

VOLUME II

0100-0114 - I&C Transmitters
0116-0124 - I&C Transmitters
0130-0133 - I&C Transmitters
0140-0145 - I&C Transmitters
0148-0172 - I&C Transmitters
0175-0182 - I&C Transmitters
0185-0207 - I&C Transmitters
0209-0210 - I&C Transmitters
0212-0223 - I&C Pressure Switches
0400-0425 - I&C Transmitters
0450-0486 - I&C Thermocouples
0500-0541 - Electrical
0601-0656 - Mechanical (including HVAC)
0800-1000 -

VOLUME III

1001-1251 - Mechanical (including HVAC)
1600-1631 - Radiation Monitoring
2000-2014 - NSSS - I&C
2048-2076 - NSSS - I&C
2100-2149 - NSSS - Mechanical

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	TEST	FSAR TABLE	ROSEMOUNT	SIMULT	N/A	QUALIFIED LIFE IS:
COMPONENT: FLOW TRANSMITTER			64 HOURS	3.11-2	3788;PP 21	ANEQUS		
			20 MIN		FIG.1	TEST		
PLANT NUMBER: FT AC 5030AS	TEMPERATURE	104 DEGF POST DBA	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	TEMPERATURE MAP G-134	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEQUS	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS.	120#-10MIN 55#- 8HRS 15#-56HRS	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEQUS	N/A	INSTRUMENT LOCATION: C-101A
MODEL AND SERIAL NUMBER: 1153DAH	RELATIVE HUMIDITY	20% - 90%	100% (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEQUS	N/A	GENERIC FILE: EQ-1C-1
SERVICE DESCRIPTION: CHILLED WATER FROM CHILLERS	CHEMICAL SPRAY	NONE	BORIC ACID (15000PPM) & NAOH SOL. 10.5PH@77F	N/A	ROSEMOUNT REPORT NO. 3788;PP 15	SIMULT ANEQUS	N/A	
ACCURACY SPECIFIED:	RADIATION	2.5 MRAD	44 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO. 3788;	SEQ'L TYPE	N/A	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARAGRAPH	N/A	SUPP. ANALY-SIS	YES	
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.		120 DAYS POST DBA						
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A	
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J - K, 2A-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFIED TO IEEE-323-1971								SYSTEM: CHILLED WATER
	EQ-IC-1							QDEF SHEET NO.-0100

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	QUALIFIED LIFE IS:	
COMPONENT: FLOW TRANSMITTER			64 HOURS	3.11-2	FIG. 1	TEST			
PLANT NUMBER: FT AC 5030BS	TEMPERATURE	104 DEGF POST DBA	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	TEMPERATURE MAP G-134	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS.	120#-10MIN 55#- 8HRS 15#-56HRS	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	INSTRUMENT LOCATION: C-101B	
MODEL AND SERIAL NUMBER: 1153DAH	RELATIVE HUMIDITY	20% - 90%	100% (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	GENERIC FILE: EQ-IC-1	
SERVICE DESCRIPTION: CHILLED WATER FROM CHILLERS	CHEMICAL SPRAY	NONE	BORIC ACID (15000PPM) & NAOH SOL. 10.5PH@77F	N/A	ROSEMOUNT REPORT NO. 3788;PP 15	SIMULT ANEIOUS	N/A		
ACCURACY SPECIFIED:	RADIATION	2.5 MRAD	44 MEGARAD TOTL. INTE- GRATED	RADIATION MAPS ZONE - M	ROSEMOUNT REPORT NO. 3788;	SEQ'L TYPE	N/A		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARAGRAPH	N/A	SUPP. ANALY-	YES		
LOCATION: AUX BUILDING		120 DAYS		3.11.1		SIS			
ELEVATION: +46.0 FT.		POST DBA							
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: N/A									
COORDINATES: K-L;2A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:								PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFIED TO IEEE-323-1971									CHECKER : TC 07/30/82 DATE
									SYSTEM: CHILLED WATER
									QDEF SHEET NO. -0101

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	TEST DURATION 64 HOURS 20 MIN	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A	QUALIFIED LIFE IS:
COMPONENT: FLOW TRANSMITTER								
PLANT NUMBER: FT AC 5030CS	TEMPERATURE	104 DEGF POST DBA	350F-10MIN 303F-8HRS 250F-56HRS 120F-	TEMPERATURE MAP G-134	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS.	120#-10MIN 55#-8HRS 15#-56HRS	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A	INSTRUMENT LOCATION: C-101C
MODEL AND SERIAL NUMBER: 1153DAH	RELATIVE HUMIDITY	20% - 90%	100% (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A	GENERIC FILE: EQ-IC-1
SERVICE DESCRIPTION: CHILLED WATER FROM CHILLERS	CHEMICAL SPRAY	NONE	BORIC ACID (15000PPM) & NAOH SOL. 10.5PH@77F		ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEIOUS TYPE TEST	N/A	
FUNCTION: CR INDICATOR INPUT								
ACCURACY SPECIFIED:	RADIATION	2.5 MRAD	44 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - M DWG. G-134	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALYSIS	YES	
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A	
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J - K;2A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFIED TO IEEE-323-1971								SYSTEM: CHILLED WATER
	EQ-IC-1							QDEF SHEET NO. -0102

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUAI IF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEOUS	N/A	QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER			64 HOURS	3.11-2	3788;PP 21	TEST		
PLANT NUMBER: PT AC 5011AS	TEMPERATURE	104 DEGF POST DBA	350F-10MIN 303F- 8HRS 250F-56HRS	TEMPERATURE MAP	ROSEMOUNT REPORT NO.	SIMULT ANEOUS	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	120#-10MIN 55#- 8HRS	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEOUS	N/A	INSTRUMENT LOCATION: C-101A
MODEL AND SERIAL NUMBER: 1153GA7			15#-56HRS	3.11-1	3788;PP 21	TEST		
SERVICE DESCRIPTION: CHILLED WATER TO CHILLER A	RELATIVE HUMIDITY	20%-90%	100 % (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEOUS	N/A	GENERIC FILE: EQ-1C-1
FUNCTION: CR INDICATOR INPUT	CHEMICAL SPRAY	NONE	BORIC ACID (15000PPM) &NAOH SOL. 10.5PH@77F	N/A	ROSEMOUNT REPORT NO.	SIMULT ANEOUS	N/A	
ACCURACY SPECIFIED:	RADIATION	2.5 MRAD	44 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO.	SEQ'L TYPE	N/A	
ACCURACY DEMONS.:			GRATED GAMMA DOSE	ZONE - M DWG. G-134	3788; PP 7-10	TEST		
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.	AGING	40 YEARS PLUS	NO EVALUATED	FSAR PARAGRAPH	N/A	SUPP. ANALY-	YES	
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	SIS		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-K, 2A-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFIED TO IEEE-323-1971								SYSTEM: CHILLED WATER
	EQ-1C-1							QDEF SHEET NO.-0103

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER			164 HOURS	3.11-2	FIG. 1	TEST		
PLANT NUMBER: PT AC 5011BS	TEMPERATURE	104 DEGF POST DBA	1350F-10MIN 1303F- 8HRS 1250F-56HRS	TEMPERATURE MAP	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	120#-10MIN 55#- 8HRS 15#-56HRS	G-134	FIG. 1	TEST		
MODEL AND SERIAL NUMBER: 1153GA7								INSTRUMENT LOCATION: C-101B
SERVICE DESCRIPTION: CHILLED WATER TO CHILLER B	RELATIVE HUMIDITY	20%-90%	100 % (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	GENERIC FILE: EQ-IC-1
FUNCTION: CR INDICATOR INPUT	CHEMICAL SPRAY	NONE	BORIC ACID ((15000PPM) & NAOH SOL. 10.5PH@77F)	N/A	ROSEMOUNT REPORT NO. 3788;PP 15	SIMULT ANEOUS	N/A	
ACCURACY SPECIFIED:	RADIATION	2.5 MRAD	144 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO. 3788;	SEQ'L TYPE	N/A	
ACCURACY DEMONS.:			GRATED GAMMA DOSE	ZONE - M DWG. G-134	PP 7-10	TEST		
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.	AGING	40 YEARS PLUS 120 DAYS	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY-SIS	YES	
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A	
COORDINATES:K-L;2A	INDEX FOR INCONSISTENCY:							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							
EQUIPMENT EXEMPT FROM QUALIFICATION: NO QUALIF STATUS: QUALIFIED TO IEEE-323-1971	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
	REFERENCES:							PREPARER:MR 07/30/82 DATE
	EQ-IC-1							CHECKER :TC 07/30/82 DATE
								SYSTEM:CHILLED WATER
								QDEF SHEET NO. -0104

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEOUS	N/A	QUALIFIED LIFE IS:	
COMPONENT: PRESSURE TRANSMITTER			64 HOURS	3.11-2	3788;PP 21	TYPE TEST			
PLANT NUMBER: PT AC 5011CS	TEMPERATURE	104 DEGF POST DBA	350F-10MIN 303F- 8HRS	TEMPERATURE MAP	ROSEMOUNT REPORT NO.	SIMULT ANEOUS	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	ATMOS	120#-10MIN 55#- 8HRS	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEOUS	N/A	INSTRUMENT LOCATION: C-101C	
MODEL AND SERIAL NUMBER: 1153GA7			15#-56HRS	3.11-1	3788;PP 21	TYPE TEST			
SERVICE DESCRIPTION: CHILLED WATER TO CHILLER A/B	RELATIVE HUMIDITY	20%-90%	100 % (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEOUS	N/A	GENERIC FILE: EQ-IC-1	
FUNCTION: CR INDICATOR INPUT	CHEMICAL SPRAY	NONE	BORIC ACID ((15000PPM) &NAOH SOL. 10.5PH@77F)	N/A	ROSEMOUNT REPORT NO.	SIMULT ANEOUS	N/A		
ACCURACY SPECIFIED:	RADIATION	2.5 MRAD	44 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO.	SEQ'L TYPE	N/A		
ACCURACY DEMONS.:			GRATED GAMMA DOSE	ZONE - M DWG. G-134	3788; PP 7-10	TEST			
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY-SIS	YES		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A		
COORDINATES: J-K,2A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:							PREPARER: MR 07/30/82 DATE	
QUALIF STATUS: QUALIFIED TO IEEE-323-1971								CHECKER :TC 07/30/82 DATE	
	EQ-IC-1								SYSTEM:CHILLED WATER
									QDEF SHEET NO. -0105

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	QUALIFIED LIFE IS:	
COMPONENT: PRESSURE TRANSMITTER			164 HOURS	3.11-2	FIG.1	TEST			
PLANT NUMBER: PT AC 5020AS	TEMPERATURE	1104 DEGF POST DBA	1350F-10MIN	TEMPERATURE MAP G 134	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	11 ATMOS	120#-10MIN	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A		
MODEL AND SERIAL NUMBER: 1153GA7			15#-56HRS	3.11-1	FIG.1	TEST		INSTRUMENT LOCATION: C-101A	
SERVICE DESCRIPTION: CHILLED WATER TO CHILLER A	RELATIVE HUMIDITY	120 %-90 %	100 % (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	GENERIC FILES: EQ-IC-1	
FUNCTION: CR INDICATOR INPUT	CHEMICAL SPRAY	N/A	BORIC ACID ((15000PPM) & NAOH SOL. 10.5PH@77F)	N/A	ROSEMOUNT REPORT NO. 3788;PP 15	SIMULT ANEIOUS	N/A		
ACCURACY SPECIFIED:	RADIATION	2.5 MRAU	44 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO. 3788;	SEQ'L TYPE	N/A		
ACCURACY DEMONS.:			GRATED	ZONE - M	DWG. G-134	TEST			
LOCATION: AUX BUILDING	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARA-CAPH	N/A	SUPP. ANALY-	YES		
ELEVATION: +46.0 FT.		120 DAYS POST DBA		3.11.1		SIS			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-K ;2A-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:		REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								DATE	
QUALIF STATUS: QUALIFIED TO IEEE-323-1971								CHECKER : TC 07/30/82	
								DATE	
								SYSTEM: CHILLED WATER	
								QDEF SHEET NO.-0106	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	!! 120 DAYS	!! TEST DURATION	!! FSAR TABLE	!! ROSEMOUNT REPORT NO.	!! SIMULT ANEQUOUS	!! N/A	!! QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER		!!	!! 64 HOURS	!! 3.11-2	!! 3788;PP 21	!! TYPE TEST	!!	!!
PLANT NUMBER: PT AC 5020BS	TEMPERATURE	!! 104 DEGF POST DBA	!! 350F-10MIN! 303F- 8HRS! 250F-56HRS!	TEMPERATURE MAP G 134	!! ROSEMOUNT REPORT NO.	!! SIMULT ANEQUOUS	!! N/A	!! MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	!! 1 ATMOS	!! 120#-10MIN! 55#- 8HRS! 15#-56HRS!	FSAR TABLE 3.11-1	!! ROSEMOUNT REPORT NO.	!! SIMULT ANEQUOUS	!! N/A	!! INSTRUMENT LOCATION: C-101B
MODEL AND SERIAL NUMBER: 1153GA7		!!	!!	!!	!! 3788;PP 21	!! TYPE TEST	!!	!!
SERVICE DESCRIPTION: CHILLED WATER TO CHILLER B	RELATIVE HUMIDITY	!! 20 %-90 %	!! 100 % ((STEAM))	!! FSAR TABLE	!! ROSEMOUNT REPORT NO.	!! SIMULT ANEQUOUS	!! N/A	!! GENERIC FILES: EQ-IC-1
FUNCTION: CR INDICATOR INPUT	CHEMICAL SPRAY	!! N/A	!! BORIC ACID! ((15000PPM))! &NAOH SOL!	!! N/A	!! ROSEMOUNT REPORT NO.	!! SIMULT ANEQUOUS	!! N/A	!!
ACCURACY SPECIFIED:		!!	!! 10.5PH@77F!	!!	!! 3788;PP 15	!! TYPE TEST	!!	!!
ACCURACY DEMONS.:	RADIATION	!! 2.5 MRAD	!! 44 MEGARAD! TOTL. INTE- GRATED	RADIATION MAPS ZONE - M	!! ROSEMOUNT REPORT NO.	!! SEQ'L TYPE TEST	!! N/A	!!
LOCATION: AUX BUILDING ELEVATION: 46.0 FT.	AGING	!! 40 YEARS PLUS 120 DAYS POST DBA	!! NOT EVALUATED	!! FSAR PARA- GRAPH	!! N/A	!! SUPP. ANALY- SIS	!! YES	!!
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	!! NONE	!! N/A	!! N/A	!! N/A	!! N/A	!! N/A	!!
ABOVE FLOOD LEVEL: N/A		!!	!!	!!	!!	!!	!!	!!
COORDINATES: K-L ;2A	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
ENVIRON'T IS HARSH	! (IF REQUIRED) !							! REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	! O! T! P! H! C! R! A! S!							! PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFIED TO IEEE-323-1971	! REFERENCES:							! CHECKER : TC 07/30/82 DATE
	! EQ-IC-1							! SYSTEM: CHILLED WATER
								! QDEF SHEET NO. -0107

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	N/A	QUALIFIED LIFE IS:	
COMPONENT: PRESSURE TRANSMITTER			164 HOURS	3.11-2	3788;PP 21	TEST			
			120 MIN		FIG. 1				
PLANT NUMBER: PT AC 5020CS	TEMPERATURE	104 DEGF POST DBA	135OF-10MIN	TEMPERATURE MAP	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	N/A	MAINTENANCE / REPLACEMENT SCHD:	
			125OF-56HRS	G 134	3788;PP 21	TEST			
			120F-		FIG. 1				
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	120#-10MIN	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	N/A	INSTRUMENT LOCATION: C-101C	
			55#- 8HRS	3.11-1	3788;PP 21	TEST			
			15#-56HRS		FIG. 1				
MODEL AND SERIAL NUMBER: 1153GA7								GENERIC FILES: EQ-IC-1	
	RELATIVE HUMIDITY	20 %-90 %	100 % (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	N/A		
SERVICE DESCRIPTION: CHILLED WATER TO CHILLER A/B				3.11-1	3788;PP 21	TEST			
					FIG. 1				
FUNCTION: CR INDICATOR INPUT	CHEMICAL SPRAY	N/A	BORIC ACID (15000PPM)	N/A	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	N/A		
			8NAOH SOL.		3788;PP 15	TEST			
			10.5PH@77F		PARA. 5.6				
ACCURACY SPECIFIED:	RADIATION	2.5 MRAD	44 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO.	SEQ'L TYPE	N/A		
			TOTL. INTE-GRATED	ZONE - M	3788;	TEST			
ACCURACY DEMONS.:			GAMMA DOSE	DWG. G-134	PP 7-10				
	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARA-GRAPH	N/A	SUPP. ANALY-	YES		
LOCATION: AUX BUILDING		120 DAYS		3.11.1		SIS			
ELEVATION: +46.0 FT.		POST DBA							
FLOOD LEVEL: N/A FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-K ;2A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								DATE	
QUALIF STATUS: QUALIFIED TO IEEE-323-1971								CHECKER : TC 07/30/82	
								DATE	
								SYSTEM: CHILLED WATER	
								QDEF SHEET NO. -0108	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST		QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER			164 HOURS	3.11-2				
PLANT NUMBER: PT CA6701SMA PT351A	TEMPERATURE	1269 DEGF	350F-10MIN	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	144 PSIG	120#-10MIN	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	INSTRUMENT LOCATION: C-1A
MODEL AND SERIAL NUMBER: 1153AA6	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	GENERIC FILE: EQ-IC-1
SERVICE DESCRIPTION: CONT PRES N.R. (ESFAS)								
FUNCTION: CONT. SPRAY ACTUATION	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 15	SIMULT ANEOUS TYPE TEST	N/A	
ACCURACY SPECIFIED:	RADIATION	GAMMA= 133 MRAD	44 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A	
ACCURACY DEMONS.:	BETA= 327 MRAD		GAMMA DOSE	ZONE - CC DWG. G-144				
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY-SIS	YES	
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A	
COORDINATES: SW; COL 14/15	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	O! T! P! H! C! R! A! S!							REFERENCES:
QUALIF STATUS: QUALIFIED FOR INTERIM USE	EQ-IC-1							
								REVISION NO. -01
								PREPARER: MR 07/30/82 DATE
								CHECKER : TC 07/30/82 DATE
								SYSTEM: CONT. PURGE & VACUUM RELIEF
								QDEF SHEET NO. -0109

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	CONT. PURGE & VACUUM RELIEF	! OPERATING TIME	!! 120 DAYS	! TEST DURATION	! FSAR TABLE	! ROSEMOUNT REPORT NO.	! SIMULT ANEQUOUS	! TYPE TEST	! QUALIFIED LIFE IS:
COMPONENT:	PRESSURE TRANSMITTER	!!	!!	! 64 HOURS	! 3.11-2	! 3788;PP 21	! TYPE TEST	! TEST	! MAINTENANCE / REPLACEMENT SCHD:
PLANT NUMBER:	PT CA 67015MB PT 351B	! TEMPERAT- URE	!! 269 DEGF	! 350F- 10MIN! ! 303F- 8HRS!	! LOCA/MSLB PROFILE ! TABLE 2	! ROSEMOUNT REPORT NO. ! 3788;PP 21	! SIMULT ANEQUOUS	! TYPE TEST	! N/A
MANUFACTURER:	ROSEMOUNT INCORPORATED	! PRESSURE	!! 44 PSIG	! 120#- 10MIN! ! 55#- 8HRS!	! LOCA/MSLB PROFILE ! TABLE 2	! ROSEMOUNT REPORT NO. ! 3788;PP 21	! SIMULT ANEQUOUS	! TYPE TEST	! N/A
MODEL AND SERIAL NUMBER:	1153AA6	! RELATIVE HUMIDITY	!! 100%	! 100% (STEAM)	! FSAR TABLE	! ROSEMOUNT REPORT NO.	! SIMULT ANEQUOUS	! TYPE TEST	! N/A
SERVICE DESCRIPTION:	CONT PRES N.R. (ESFAS)	! CHEMICAL SPRAY	!! 750-2150 PPM BOR AS	! BORIC ACID (15000PPM)	! FSAR TABLE	! ROSEMOUNT REPORT NO.	! SIMULT ANEQUOUS	! TYPE TEST	! N/A
FUNCTION:	CONT. SPRAY ACTUATION	! PH:5.0-9.0	!!	! 10.5PH@77F	! FSAR TABLE	! ROSEMOUNT REPORT NO.	! SIMULT ANEQUOUS	! TYPE TEST	! N/A
ACCURACY SPECIFIED:		! RADIATION	!! GAMMA= 133 MRAD	! 44 MEGARAD	! RADIATION MAPS	! ROSEMOUNT REPORT NO.	! SEQ'L TYPE	! TEST	! N/A
ACCURACY DEMONS.:		! BETA= 327 MRAD	!!	! GRATED GAMMA DOSE	! ZONE - CC DWG. G-144	! 3788; PP 7-10	! TEST	!	!
LOCATION:	CONT BUILDING	! AGING	!! 40 YEARS PLUS	! NOT EVALUATED	! FSAR PARAGRAPH	! N/A	! SUPP. ANALY-	! YES	!
ELEVATION:	+21.0 FT.	! POST DBA	!!	!	! 3.11.1	!	! SIS	!	!
FLOOD LEVEL EL:	+0.5 FEET	! SUBMER- GENCE	!! NONE	! N/A	! N/A	! N/A	! N/A	! N/A	!
ABOVE FLOOD LEVEL:	YES	!!	!!	!	!	!	!	!	!
COORDINATES:	SW;COL 15/16	! INDEX FOR INCONSISTENCY!							!
ENVIRON'T IS HARSH		! ANALYSIS IN WORKFILE (IF REQUIRED)							!
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
QUALIF STATUS: QUALIFIED FOR INTERIM USE		! O! ! T! ! P! ! H! ! C! ! R! ! A! ! S!							!
		! REFERENCES:							!
		! EQ-IC-1							!
		! REVISION NO. -01							!
		! PREPARER: MR 07/30/82							!
		! DATE							!
		! CHECKER : TC 07/30/82							!
		! DATE							!
		! SYSTEM: CONT. PURGE & VACUUM RELIEF							!
		! QDEF SHEET NO. -0110							!

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES		
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED			
SYSTEM: CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEODUS	N/A	QUALIFIED LIFE IS:		
COMPONENT: PRESSURE TRANSMITTER			164 HOURS	3.11-2	3788;PP 21	TEST				
			120 MIN		FIG. 1					
PLANT NUMBER: PT CA 6701SMC PT 351C	TEMPERATURE	269 DEGF	1350F-10MIN	LOCA/MSLB PROFILE	ROSEMOUNT REPORT NO.	SIMULT ANEODUS	N/A	MAINTENANCE / REPLACEMENT SCHD:		
			1303F- 8HRS	TABLE 2	3788;PP 21	TEST				
			1250F-56HRS		FIG. 1					
			120F-							
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	144 PSIG	120#-10MIN	LOCA/MSLB PROFILE	ROSEMOUNT REPORT NO.	SIMULT ANEODUS	N/A	INSTRUMENT LOCATION: C-1C		
			55#- 8HRS	TABLE 2	3788;PP 21	TEST				
			15#-56HRS		FIG. 1					
MODEL AND SERIAL NUMBER: 1153AA6								GENERIC FILE: EQ-IC-1		
SERVICE DESCRIPTION: CONT PRES N.R. (ESFAS)	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEODUS	N/A			
				3.11-1	3788;PP 21	TEST				
					FIG. 1					
FUNCTION: CONT. SPRAY ACTUATION	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM)	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEODUS	N/A			
			&NAOH SOL.	3.11-1	3788;PP 15	TEST				
			PH:5.0-9.0		PARA. 5.6					
ACCURACY SPECIFIED:	RADIATION	GAMMA= 133 MRAD	44 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO.	SEQ'L TYPE	N/A			
		BETA= 327 MRAD	GRATED	ZONE - CC	3788;	TEST				
ACCURACY DEMONS.:			GAMMA DOSE	DWG. G-144	PP 7-10					
	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARAGRAPH	N/A	SUPP. ANALY-	YES			
LOCATION: CONT BUILDING		120 DAYS		3.11.1		SIS				
ELEVATION: +21.0 FT.		POST DBA								
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: YES										
COORDINATES: SW:COL 16/17	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)									
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:								PREPARER: MR 07/30/82 DATE	
QUALIF STATUS: QUALIFIED FOR INTERIM USE									CHECKER : TC 07/30/82 DATE	
	EQ-IC-1									SYSTEM: CONT. PURGE & VACUUM RELIEF
										QDEF SHEET NO. -0111

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	TEST DURATION	ROSEMOUNT FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEOUS		QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER			64 HOURS 20 MIN	3.11-2	3788;PP 21 FIG.1	TYPE TEST		
PLANT NUMBER: PT CA6701SMD PT 351D	TEMPERATURE	269 DEGF	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#- 10MIN 55#- 8HRS 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	INSTRUMENT LOCATION: C-1D
MODEL AND SERIAL NUMBER: 1153AA6	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	GENERIC FILE: EQ-IC-1
SERVICE DESCRIPTION: CONT PRES N.R. (ESFAS)								
FUNCTION: CONT. SPRAY ACTUATION	CHEMICAL SPRAY	1750-2150 PPM BOR AS BORIC ACID	BORIC ACID (15000PPM) 8NADH SOL. PH: 5.0-9.0	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEOUS TYPE TEST	N/A	
ACCURACY SPECIFIED:	RADIATION	GAMMA= 133 MRAD	44 MEGARAD TOTL. INTE- GRATED	RADIATION MAPS ZONE - CC	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARAGRAPH	N/A	SUPP. ANALY- SIS	YES	
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.		120 DAYS POST DBA		3.11.1				
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A	
COORDINATES: SW;COL17/18	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							REVISION NO. -01
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:							CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFIED FOR INTERIM USE	EQ-IC-1							SYSTEM: CONT. PURGE & VACUUM RELIEF QDEF SHEET NO. -0112

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION			QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEOUS		QUALIFIED LIFE IS:	
COMPONENT:	PRESSURE TRANSMITTER			64 HOURS 20 MIN	3.11-2	3788;PP 21 FIG. 1	TEST			
PLANT NUMBER:	PT CA 6702SMA PT 352A	TEMPERATURE	269 DEGF	350F-10MIN! 303F- 8HRS! 250F-56HRS! 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG. 1	SIMULT ANEOUS TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#-10MIN! 55#- 8HRS! 15#-56HRS!	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG. 1	SIMULT ANEOUS TYPE TEST		INSTRUMENT LOCATION C-2A	
MODEL AND SERIAL NUMBER:	1153AA6	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG. 1	SIMULT ANEOUS TYPE TEST	N/A	GENERIC FILE: EQ-IC-1	
SERVICE DESCRIPTION:	CONTAINMENT PRESSURE	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM) BORIC ACID & NAOH SOL. PH: 5.0-9.0	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEOUS TYPE TEST	N/A		
ACCURACY SPECIFIED:		RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD	44 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - CC DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A		
ACCURACY DEMONS.:		AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARAGRAPH: 3.11-1	N/A	SUPP. ANALY- SIS	YES		
LOCATION:	CONT BUILDING	FLOOD LEVEL EL:	+0.5 FEET							
ELEVATION:	+21.0 FT.	ABOVE FLOOD LEVEL:	YES							
COORDINATES:	SE;COL11/12	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		REFERENCES:								PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFIED FOR INTERIM USE		EQ-IC-1								CHECKER : TC 07/30/82 DATE
										SYSTEM: CONT. PURGE & VACUUM RELIEF
										QDEF SHEET NO. -0113

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEOUS		QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER			64 HOURS 20 MIN	3.11-2	3788;PP 21 FIG.1	TYPE TEST		
PLANT NUMBER: PT CA 67025MB	TEMPERATURE	269 DEGF	1350F-10MIN 303F- 8HRS 250F-56HRS 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#-10MIN 55#- 8HRS 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST		INSTRUMENT LOCATION C-2B
MODEL AND SERIAL NUMBER: 1153AA6	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	
SERVICE DESCRIPTION: CONTAINMENT PRESSURE				3.11-1	3788;PP 21 FIG.1	TYPE TEST		GENERIC FILE: EQ-IC-1
FUNCTION: CONT. SPRAY ACUATION	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM) 8NAOH SOL. 10.5PH@77F	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEOUS TYPE TEST	N/A	
ACCURACY SPECIFIED:	RADIATION	GAMMA= 133 MRAD BETA= 327 MRAD	44 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - CC DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11-1	N/A	SUPP. ANALY- SIS	YES	
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.								
FLOOD LEVEL EL: FEET	SUBMER- GENCE	NONE	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: YES								
COORDINATES: SE;COL 11/12	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER:MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								CHECKER :TC 07/30/82 DATE
QUALIF STATUS: QUALIFIED FOR INTERIM USE								
	EQ-IC-1							SYSTEM:CONT. PURGE & VACUUM RELIEF QDEF SHEET NO. -0114

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	TEST	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER			64 HOURS 20 MIN	3.11-2	FIG.1	TEST		
PLANT NUMBER: PT CA 6702SMC	TEMPERATURE	269 DEGF	350F-10MIN 303F-8HRS 250F-56HRS 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#-10MIN 55#-8HRS 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	INSTRUMENT LOCATION C-2C
MODEL AND SERIAL NUMBER: 1153AA6	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	GENERIC FILE: EQ-IC-1
SERVICE DESCRIPTION: CONTAINMENT PRESSURE	CHEMICAL SPRAY	1750-2150 PPM BOR AS BORIC ACID & NAOH SOL. PH:5.0-9.0	BORIC ACID (15000PPM) & NAOH SOL. 10.5PH@77F	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 15	SIMULT ANEOUS	N/A	
ACCURACY SPECIFIED:	RADIATION	GAMMA= 133 MRAD BETA= 1327 MRAD	44 MEGARAD TOTL. INTE- GRADED	RADIATION MAPS ZONE - CC	ROSEMOUNT REPORT NO. 3788;	SEQ'L TYPE TEST	N/A	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11-1	N/A	SUPP. ANALY-	YES	
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A		
FLOOD LEVEL EL: +05 FEET ABOVE FLOOD LEVEL: YES								
COORDINATES: SE:COL 7/8	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFIED FOR INTERIM USE								SYSTEM: CONT. PURGE & VACUUM RELIEF
	EQ-IC-1							QDEF SHEET NO.-0116

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	QUALIFIED LIFE IS:	
COMPONENT:	PRESSURE TRANSMITTER			64 HOURS	3.11-2	FIG. 1	TEST			
PLANT NUMBER:	PT CA 6702SMD	TEMPERATURE	269 DEGF	135OF-10MIN	LOCA/MSLB	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#-10MIN	LOCA/MSLB PROFILE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	INSTRUMENT LOCATION C-2D	
MODEL AND SERIAL NUMBER:	1153AA6			15#-56HRS	TABLE 2	FIG. 1	TEST			
SERVICE DESCRIPTION:	CONTAINMENT PRESSURE	RELATIVE HUMIDITY	100%	(STEAM)	3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	GENERIC FILE: EQ-IC-1	
FUNCTION:	CONT. SPRAY ACUATION	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM)	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 15	SIMULT ANEIOUS	N/A		
ACCURACY SPECIFIED:				PH:5.0-9.0	10.5FH@77F	PARA. 5.6	TEST			
ACCURACY DEMONS.:		RADIATION	GAMMA=33 MRAD	44 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO. 3788;	SEQ'L TYPE	N/A		
LOCATION:	CONT BUILDING			BETA=	GRADED	DWG. G-144	PP 7-10			
ELEVATION:	+21.0 FT.	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARAGRAPH	N/A	SUPP. ANALY-	YES		
FLOOD LEVEL EL:	+0.5 FEET			120 DAYS POST DBA	3.11-1		SIS			
ABOVE FLOOD LEVEL:	YES	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A			
COORDINATES:	NE;COL 5	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO		REFERENCES:								PREPARER:MR 07/30/82
QUALIF STATUS: QUALIFIED FOR INTERIM USE										DATE 07/30/82
										CHECKER :TC 07/30/82
										DATE
										SYSTEM:CONT. PURGE & VACUUM RELIEF
										QDEF SHEET NO.-0117

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY	
							ANALYZED		
SYSTEM:	CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEOUS	N/A	QUALIFIED LIFE IS:
COMPONENT:	PRESSURE TRANSMITTER			64 HR. 20 MIN.	3.11.2	3788;PP 21 FIG.1	TEST		
PLANT NUMBER:	PT CA 6750AS	TEMPERATURE	269 DEGF	1350F-10MIN 1303F- 8HRS 1250F-56HRS 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#-10MIN 55#- 8HRS 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TEST	N/A	INSTRUMENT LOCATION: C-1A
MODEL AND SERIAL NUMBER:	1153AA6	RELATIVE HUMIDITY	100 %	100% (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TEST	N/A	GENERIC FILE: EQ-IC-1
SERVICE DESCRIPTION:	CONT PRESSURE								
FUNCTION:	CR INDICATOR & ALARM INPUT	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM) &NAOH SOL. 10.5PH@77F	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEOUS TEST	N/A	
ACCURACY SPECIFIED:		RADIATION	GAMMA= 133 MRAD BETA= 327 MRAD	44 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - CC DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A	
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY- SIS		
LOCATION: BUILDING ELEVATION:	CONT BUILDING +21.0 FT.								
FLOOD LEVEL EL: +0.5 FEET		SUBMER- GENCE	NONE	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: YES									
COORDINATES: SE: COL-14/15		INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH		ANALYSIS IN WCRKFILE (IF REQUIRED)							
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		OTHER EQUIPMENT THIS QDEF APPLIES TO:							
QUALIF STATUS: QUALIFIED FOR INTERIM USE		REFERENCES:							
		EQ-IC-1							REVISION NO.-01
									PREPARER: MR 07/30/82 DATE
									CHECKER : TC 07/30/82 DATE
									SYSTEM: CONT. PURGE & VACUUM RELIEF
									QDEF SHEET NO.-0118

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER			64 HR. 20 MIN.					
PLANT NUMBER: PT CA 6750BS	TEMPERATURE	269 DEGF	1350F-10MIN 1303F- 8HRS 1250F-56HRS 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#-10MIN 55#- 8HRS 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	INSTRUMENT LOCATION: C-1B
MODEL AND SERIAL NUMBER: 1153AA6	RELATIVE HUMIDITY	100 %	100% (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	GENERIC FILE: EQ-IC-1
SERVICE DESCRIPTION: CONT PRESSURE								
FUNCTION: CR INDICATOR & ALARM INPUT	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM) & NAOH SOL. PH:5.0-9.0 10.5PH@77F	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEOUS TYPE TEST	N/A	
ACCURACY SPECIFIED:	RADIATION	GAMMA= 133 MRAD BETA= 327 MRAD	144 MEGARAD TOTL. INTE- GRATED GAMMA DCSE	RADIATION MAPS ZONE - CC DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARAGRAPH	N/A	SUPP. ANALY-	YES	
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.		120 DAYS POST DBA				SIS		
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A		
COORDINATES:SE;COL-14/15	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER:MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								CHECKER :TC 07/30/82 DATE
QUALIF STATUS: QUALIFIED FOR INTERIM USE				REFERENCES:				SYSTEM:CONT. PURGE & VACUUM RELIEF QDEF SHEET NO. -0119
	EC -1							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	N/A	QUALIFIED LIFE IS:	
COMPONENT: FLOW TRANSMITTER			64 HOURS 20 MINS	3.11-2	3788;PP 21 FIG.1	TEST			
PLANT NUMBER: FT CC 5070AS	TEMPERATURE	104 DEGF POST DBA	350F-10MIN 303F- 8HRS 250F-56HRS	TEMPERATURE MAP G-134	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS.	120#-10MIN 55#- 8HRS 15#-56HRS	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A	INSTRUMENT LOCATION: C-101A	
MODEL AND SERIAL NUMBER: 1153DA5	RELATIVE HUMIDITY	120 %-90 %	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A	GENERIC FILE: EQ-IC-1	
SERVICE DESCRIPTION: HVAC CHLR OUTL TO CCCW HDR A	CHEMICAL SPRAY	NONE	BORIC ACID (15000PPM) &NAOH SOL. 10.5PH@77F	N/A	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEIOUS TYPE TEST	N/A		
ACCURACY SPECIFIED:	RADIATION	2.5 MRAD	44 MEGARAD TOTL. INTE-GRATED GAMMA DOSE	RADIATION MAPS ZONE - M DWG. G-134	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY-SIS	YES		
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-K:2A-3A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRONMENT IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:								PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFIED TO IEEE-323-1971	EQ-IC-1								CHECKER : TC 07/30/82 DATE
									SYSTEM: COMPONENT COOLING WATER QDEF SHEET NO.-0120

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
SYSTEM:	COMPONENT	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
	COOLING WATER	! OPERATING TIME	!! 120 DAYS	! TEST DURATION	! FSAR TABLE	! ROSEMOUNT REPORT NO.	! SIMULT ANEIOUS	! N/A	! QUALIFIED LIFE IS:
COMPONENT:	FLOW TRANSMITTER	!!	!!	! 64 HOURS	! 3.11-2	! 3788;PP 21	! TYPE TEST	!	!
		!!	!!	! 20 MINS	!	! FIG.1	!	!	!
PLANT NUMBER:	FT CC 5070BS	! TEMPERATURE	!! 104 DEG POST DBA	! 350F-10MIN	! 303F- 8HRS	! ROSEMOUNT REPORT NO.	! SIMULT ANEIOUS	! N/A	! MAINTENANCE / REPLACEMENT SCHD:
		!!	!!	! 250F-56HRS	! MAP	! 3788;PP 21	! TYPE TEST	!	!
		!!	!!	! 120F-	! G-134	! FIG.1	! TEST	!	!
MANUFACTURER:	ROSEMOUNT INCORPORATED	! PRESSURE	!! 1 ATM	! 120#-10MIN	! FSAR TABLE	! ROSEMOUNT REPORT NO.	! SIMULT ANEIOUS	! N/A	!
		!!	!!	! 55#- 8HRS	!	! 3788;PP 21	! TYPE TEST	!	! INSTRUMENT LOCATION: C-101B
		!!	!!	! 15#-56HRS	! 3.11-1	! FIG.1	! TEST	!	!
MODEL AND SERIAL NUMBER:	1153DA5	! RELATIVE HUMIDITY	!! 20 %-90 %	! 100% (STEAM)	! FSAR TABLE	! ROSEMOUNT REPORT NO.	! SIMULT ANEIOUS	! N/A	!
SERVICE DESCRIPTION:	HVAC CHLR OUTL TO CCCW HDR B	!!	!!	!	! 3.11-1	! 3788;PP 21	! TYPE TEST	!	! GENERIC FILE: EQ-IC-1
		!!	!!	!	!	! FIG.1	! TEST	!	!
FUNCTION:	CR INDICATOR INPUT	! CHEMICAL SPRAY	!! NONE	! BORIC ACID ((15000PPM))	! N/A	! ROSEMOUNT REPORT NO.	! SIMULT ANEIOUS	! N/A	!
		!!	!!	! 8NAOH SOL.	!	! 3788;PP 15	! TYPE TEST	!	!
		!!	!!	! 10.5PH@77F	!	! PARA. 5.6	! TEST	!	!
ACCURACY SPECIFIED:		! RADIATION	!! 2.5 MRAD	! 144 MEGARAD	! RADIATION MAPS	! ROSEMOUNT REPORT NO.	! SEQ'L TYPE	! N/A	!
		!!	!!	! TOTL. INTE- GRATED	! ZONE - M	! 3788;	! TEST	!	!
ACCURACY DEMONS.:		!!	!!	! GAMMA DOSE	! DWG. G-134	! PP 7-10	!	!	!
		! AGING	!! 40 YEARS PLUS	! NOT EVALUATED	! FSAR PARAGRAPH	! N/A	! SUPP. ANALY- SIS	! YES	!
LOCATION: AUX BUILDING		!!	!! 120 DAYS	!	! 3.11-1	!	!	!	!
ELEVATION: +46.0 FT.		!!	!! POST DBA	!	!	!	!	!	!
FLOOD LEVEL EL: N/A FEET		! SUBMER- GENCE	!! NONE	! N/A	! N/A	! N/A	! N/A	! N/A	!
ABOVE FLOOD LEVEL: N/A		!!	!!	!	!	!	!	!	!
		!!	!!	!	!	!	!	!	!
COORDINATES: K-L;2A		! INDEX FOR INCONSISTENCY!							!
		! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
ENVIRON'T IS HARSH		! (IF REQUIRED)							! REVISION NO.-01
		!							!
EQUIPMENT EXEMPT FROM QUALIFICATION:NO		O!							! PREPARER:MR 07/30/82
QUALIF STATUS:		T!							! DATE
		P!							! CHECKER :TC 07/30/82
QUALIFIED TO IEEE-323-1971		H!							! DATE
		C!							!
		R!							! SYSTEM:COMPONENT
		A!							! COOLING WATER
		S!							! QDEF SHEET NO.-0121
		EQ-IC-1							!
		REFERENCES:							!

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY		
								ANALYZED		
SYSTEM:	COMPONENT	OPERATING	!! 120 DAYS	!! TEST DURATION	!! FSAR TABLE	!! ROSEMOUNT REPORT NO.	!! SIMULT ANEOUS	!! N/A	!! QUALIFIED LIFE IS:	
COMPONENT:	FLOW TRANSMITTER	!!	!!	!! 64 HOURS	!! 3.11-2	!! 3788; PP 21	!! TYPE	!!	!!	
		!!	!!	!! 20 MINS	!!	!! FIG. 1	!! TEST	!!	!!	
PLANT NUMBER:	FT CC 5070CS	TEMPERAT-URE	!! 104 DEGF POST DBA	!! 350F-10MIN! 303F- 8HRS! 250F-56HRS!	TEMPER-ATURE MAP	!! ROSEMOUNT REPORT NO.	!! SIMULT ANEOUS	!! N/A	!! MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	!! 1 ATM	!! 120#-10MIN! 55#- 8HRS! 15#-56HRS!	!! FSAR TABLE	!! ROSEMOUNT REPORT NO.	!! SIMULT ANEOUS	!! N/A	!!	
MODEL AND SERIAL NUMBER:	1153DA5	!!	!!	!!	!! 3.11-1	!! 3788; PP 21	!! TYPE	!!	!! INSTRUMENT LOCATION: C-101C	
SERVICE DESCRIPTION:	HVAC CHLR OUTL TO CCCW HDR C	RELATIVE HUMIDITY	!! 20 %-90 %	!! 100% (STEAM)	!! FSAR TABLE	!! ROSEMOUNT REPORT NO.	!! SIMULT ANEOUS	!! N/A	!!	
FUNCTION:	CR INDICATOR INDICATOR	CHEMICAL SPRAY	!! NONE	!! BORIC ACID! ((15000PPM)! 8MAOH SOL! 10.5PH@77F!	!! N/A	!! ROSEMOUNT REPORT NO.	!! SIMULT ANEOUS	!! N/A	!!	
ACCURACY SPECIFIED:		RADIATION	!! 2.5 MRAD	!! 44 MEGARAD! TOTL. INTE-GRATED	RADIATION MAPS	!! ROSEMOUNT REPORT NO.	!! SEQ'L TYPE	!! N/A	!!	
ACCURACY DEMONS.:		AGING	!! 40 YEARS PLUS	!! NOT EVALUATED	!! FSAR PARAGRAPH	!! N/A	!! SUPP. ANALY-	!! YES	!!	
LOCATION:	AUX BUILDING	!!	!! 120 DAYS	!!	!! 3.11-1	!!	!! SIS	!!	!!	
ELEVATION:	+46.0 FT.	!!	!! POST DBA	!!	!!	!!	!!	!!	!!	
FLOOD LEVEL EL:	N/A FEET	SUBMER-GENCE	!! NONE	!! N/A	!! N/A	!! N/A	!! N/A	!! N/A	!!	
ABOVE FLOOD LEVEL:	N/A	!!	!!	!!	!!	!!	!!	!!	!!	
COORDINATES:	J-K:2A	! INDEX FOR INCONSISTENCY!							!	!
ENVIRON'T IS HARSH		! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!	! REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		! (IF REQUIRED) !							!	! PREPARER: MR 07/30/82
QUALIF STATUS: QUALIFIED TO IEEE-323-1971		O! T! P! H! C! R! A! S!							!	! DATE
		REFERENCES:							!	! CHECKER : TC 07/30/82
		EQ-IC-1							!	! DATE
									!	! SYSTEM: COMPONENT
									!	! COOLING WATER
									!	! QDEF SHEET NO. -0122

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY	
								ANALYZED	
SYSTEM:	COMPONENT	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEOUS	N/A	QUALIFIED LIFE IS:
COMPONENT:	FLOW TRANSMITTER			164 HOURS 120 MIN	3.11-2	3788;PP 21 FIG.1	TEST		
PLANT NUMBER:	FT CC 5570AS	TEMPERATURE	104 DEGF POST DBA	350F-10MIN 303F-8HRS 250F-56HRS 120F-	TEMPERATURE MAP G 137	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	120#-10MIN 55#-8HRS 15#-56HRS	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	INSTRUMENT LOCATION C-27A
MODEL AND SERIAL NUMBER:	1153DA5	RELATIVE HUMIDITY	120 %-90 %	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	GENERIC FILE: EQ-IC-1
SERVICE DESCRIPTION:	SHTDWN HT EXCH A CC WATER FLO	CHEMICAL SPRAY	NONE	BORIC ACID (15000PPM) &NADH SOL. 10.5PH@77F	N/A	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEOUS TYPE TEST	N/A	
ACCURACY SPECIFIED:		RADIATION	GAMMA= 6.7 MRAD	44 MEGARAD TUTL. INTE-GRATED GAMMA DOSE	RADIATION MAPS ZONE - T DWG. G-137	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A	
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11-1	N/A	SUPP. ANALY-SIS	YES	
LOCATION: ELEVATION:	AUX BUILDING -35.0 FT.	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A	
FLOOD LEVEL:	N/A FEET								
ABOVE FLOOD LEVEL:	N/A								
COORDINATES:	J-K;11A-12A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)		OTHER EQUIPMENT THIS QDEF APPLIES TO:					REVISION NO.-01
ENVIRON'T IS HARSH									PREPARER:MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									CHECKER :TC 07/30/82 DATE
QUALIF STATUS: QUALIFIED TO IEEE-323-1971									SYSTEM:COMPONENT COOLING WATER QDEF SHEET NO.-0123
		EQ-IC-1							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT								
COOLING WATER	OPERATING TIME	!! 120 DAYS	!! TEST DURATION	!! FSAR TABLE	!! ROSEMOUNT REPORT NO.	!! SIMULT ANEOUS	!! N/A	!! QUALIFIED LIFE IS:
COMPONENT: FLOW TRANSMITTER		!!	!! 64 HOURS 120 MIN	!! 3.11-2	!! 3788;PP 21 FIG.1	!! TYPE TEST	!!	!!
PLANT NUMBER: FT CC 5570BS	TEMPERATURE	!! 104 DEGF PGST DBA	!! 350F-10MIN 303F- 8HRS 250F-56HRS 120F-	TEMPERATURE MAP. G-137	!! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	!! SIMULT ANEOUS TYPE TEST	!! N/A	!! MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	!! 1 ATMOS	!! 120#-10MIN 55#- 8HRS 15#-56HRS	FSAR TABLE 3.11-1	!! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	!! SIMULT ANEOUS TYPE TEST	!! N/A	!! INSTRUMENT LOCATION C-27B
MODEL AND SERIAL NUMBER: 1153DA5		!!	!!	!!	!!	!!	!!	!!
SERVICE DESCRIPTION: SHTDWN HT EXCH B CC WATER FLO	RELATIVE HUMIDITY	!! 20 %-90 %	!! 100% (STEAM)	!! FSAR TABLE 3.11-1	!! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	!! SIMULT ANEOUS TYPE TEST	!! N/A	!! GENERIC FILE: EQ-IC-1
FUNCTION: CR INDICATOR INPUT	CHEMICAL SPRAY	!! NONE	!! BORIC ACID (15000PPM) & NAOH SOL. 10.5PH@77F	!! N/A	!! ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	!! SIMULT ANEOUS TYPE TEST	!! N/A	!!
ACCURACY SPECIFIED:	RADIATION	!! 6.7 MRAD	!! 44 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	!! RADIATION MAPS ZONE - T DWG. G-137	!! ROSEMOUNT REPORT NO. 3788; PP 7-10	!! SEQ'L TYPE TEST	!! N/A	!!
ACCURACY DEMONS.:		!!	!!	!!	!!	!!	!!	!!
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	AGING	!! 40 YEARS PLUS 120 DAYS POST DBA	!! NOT EVALUATED	!! FSAR PARAGRAPH 3.11-1	!! N/A	!! SUPP. ANALY- SIS	!! YES	!!
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	!! NONE	!! N/A	!! N/A	!! N/A	!! N/A	!! N/A	!!
Above FLOOD LEVEL: N/A		!!	!!	!!	!!	!!	!!	!!
COORDINATES: J-K; 10A-11A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							!!
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							!! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	REFERENCES:							!! PREPARER:MR 07/30/82 DATE
QUALIF STATUS: QUALIFIED TO IEEE-323-1971	EQ-IC-1							!! CHECKER :TC 07/30/82 DATE
								!! SYSTEM:COMPONENT COOLING WATER
								!! QDEF SHEET NO.-0124

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	COMPONENT	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEOUS	N/A	QUALIFIED LIFE IS:	
COMPONENT:	FLOW TRANSMITTER			64 HOURS 120 MIN	3.11-2	3788;PP 21 FIG.1	TEST			
PLANT NUMBER:	FT CC 7570A1S	TEMPERATURE	148 DEGF POST DBA	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	TEMP MAP G-145	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHED:	
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	120#- 10MIN 55#- 8HRS 15#-56HRS	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	INSTRUMENT LOCATION: C-11A	
MODEL AND SERIAL NUMBER:	1153DA5	RELATIVE HUMIDITY	20%-90%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	GENERIC FILE: EQ-IC-1	
SERVICE DESCRIPTION:	CONT FN CLR 3C-SA CCW OUTL	CHEMICAL SPRAY	NONE	BORIC ACID ((15000PPM)) 8NAOH SOL. 10.5PH@77F	N/A	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEOUS TYPE TEST	N/A		
FUNCTION:	CR INDICATOR INPUT									
ACCURACY SPECIFIED:		RADIATION	1.1 MRAD	44 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A		
ACCURACY DEMONS.:				GRATED GAMMA DOSE	ZONE - FF DWG. G-145					
LOCATION:	AUX BUILDING	AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY- SIS	YES		
ELEVATION:	-4.0 FT.									
FLOOD LEVEL EL:	N/A FEET	SUBMER- GENCE	N/A	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	M-N; 2A-3A	INDEX FOR INCONSISTENCY!								
ENVIRON'T IS HARSH		ANALYSIS IN WORKFILE (IF REQUIRED)								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		O! T! P! H! C! R! A! S!								REFERENCES:
QUALIF STATUS: QUALIFIED TO IEEE-323-1971		EQ-IC-1								
										REVISION NO.-01
										PREPARER: MR 07/30/82
										DATE
										CHECKER : TC 07/30/82
										DATE
										SYSTEM: COMPONENT
										COOLING WATER
										QDEF SHEET NO.-0130

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	N/A	QUALIFIED LIFE IS:
COMPONENT: FLOW TRANSMITTER			64 HOURS 120 MIN	3.11-2	3788;PP 21 FIG.1	TEST		
PLANT NUMBER: FT CC 7570A25	TEMPERATURE	148 DEGF POST DBA	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	TEMP MAP G-145	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	120#-10MIN 55#- 8HRS 15#-56HRS	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TEST	N/A	INSTRUMENT LOCATION:C-11A
MODEL AND SERIAL NUMBER: 1153DA5	RELATIVE HUMIDITY	20%-90%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TEST	N/A	GENERIC FILE: EQ-IC-1
SERVICE DESCRIPTION: CONT FN CLR 3A-SA CCW OUTL	CHEMICAL SPRAY	NONE	BORIC ACID ((15000PPM)) 8NAOH SOL. 10.5PH@77F	N/A	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEIOUS TEST	N/A	
ACCURACY SPECIFIED:	RADIATION	1.1 MRAD	44 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - FF DWG. G-145	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY-	YES	
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A	
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
COORDINATES:M-N; 2A-3A	OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS HARSH	REFERENCES:							
EQUIPMENT EXEMPT FROM QUALIFICATION:NO QUALIF STATUS: QUALIFIED TO IEEE-323-1971	EQ-IC-1							
							REVISION NO.-01	
							PREPARER:MR	07/30/82
							CHECKER :TC	07/30/82
							DATE	
							SYSTEM:COMPONENT	
							COOLING WATER	
							QDEF SHEET NO.-0131	

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY		
							ANALYZED			
SYSTEM:	COMPONENT	! OPERATING!	!!120 DAYS	!TEST	! FSAR	! ROSEMOUNT	! SIMULT	! N/A	! QUALIFIED	
	COOLING WATER	! TIME	!!	!DURATION	! TABLE	! REPORT NO.	! ANEIOUS	!	! LIFE IS:	
COMPONENT:	FLOW	! 164 HOURS	!!	! 120 MIN	! 3.11-2	! 3788;PP 21	! TYPE	!	!	
	TRANSMITTER	! 120 MIN	!!	!	!	! FIG.1	! TEST	!	!	
PLANT NUMBER:	FT CC 7570B15	! TEMPERAT- ! URE	!!148 DEGF !!POST DBA	!350F-10MIN! !303F- 8HRS!	TEMPER- ATURE	! ROSEMOUNT ! REPORT NO.	! SIMULT ! ANEIOUS	! N/A	! MAINTENANCE / ! REPLACEMENT SCHD:	
MANUFACTURER:	ROSEMOUNT INCORPORATED	! PRESSURE	!!1 ATMOS	!120#-10MIN! ! 55#- 8HRS!	FSAR TABLE	! ROSEMOUNT ! REPORT NO.	! SIMULT ! ANEIOUS	! N/A	!	
MODEL AND SERIAL NUMBER:	1153DA5	!	!!	! 15#-56HRS!	3.11-1	! 3788;PP 21	! TYPE	!	! LOCATION:C-11B	
SERVICE DESCRIPTION:	CONT FN CLR (3D SB) CCW OUTLT..	! RELATIVE ! HUMIDITY	!!20 %-90 % !!	! 100% ! (STEAM)	! FSAR ! TABLE	! ROSEMOUNT ! REPORT NO.	! SIMULT ! ANEIOUS	! N/A	! GENERIC FILE: ! EQ-IC-1	
FUNCTION:	CR INDICATOR INPUT	! CHEMICAL ! SPRAY	!!NONE !!	!BORIC ACID! !(15000PPM)!	N/A	! ROSEMOUNT ! REPORT NO.	! SIMULT ! ANEIOUS	! N/A	!	
ACCURACY SPECIFIED:		! RADIATION!	!! 1.1 MRAD	!44 MEGARAD!	RADIATION	! ROSEMOUNT	! SEQ'L	! N/A	!	
ACCURACY DEMONS.:		!	!!	!TOTL. INTE- ! GRATED	! MAPS ! ZONE - FF	! REPORT NO. ! 3788;	! TYPE ! TEST	!	!	
LOCATION:	AUX BUILDING	! AGING	!! 40 YEARS !! PLUS	! NOT ! EVALUATED	! FSAR ! PARAGRAPH	! N/A	! SUPP. ! ANALY-	! YES	!	
ELEVATION:	-4.0 FT.	!	!! 120 DAYS !! POST DBA	!	! 3.11-1	!	! SIS	!	!	
FLOOD LEVEL EL:	N/A FEET	! SUBMER- ! GENGE	!!NONE !!	! N/A	! N/A	! N/A	! N/A	! N/A	!	
ABOVE FLOOD LEVEL:	N/A	!	!!	!	!	!	!	!	!	
COORDINATES:	M-N;11A-12A	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!	!
ENVIRON'T IS HARSH		! (IF REQUIRED) !							!	! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		!							!	! PREPARER:MR 07/30/82
QUALIF STATUS:		!							!	! DATE
QUALIFIED TO IEEE-323-1971		!							!	! CHECKER :TC 07/30/82
		!							!	! DATE
		!							!	! SYSTEM:COMPONENT
		!							!	! COOLING WATER
		!							!	! QDEF SHEET NO.-0132

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
SYSTEM:	COMPONENT	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
	COOLING WATER	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEOUS	N/A	QUALIFIED LIFE IS:
COMPONENT:	FLOW TRANSMITTER			164 HOURS 120 MIN	3.11-2	3788;PP 21 FIG.1	TYPE TEST		
PLANT NUMBER:	FT CC 7570B2S	TEMPERATURE	148 DEGF POST DBA	1350F-10MIN 1303F- 8HRS 1250F-56HRS 120F-	TEMPER- ATURE MAP G-145	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHO:
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	120#-10MIN 55#- 8HRS 15#-56HRS	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	LOCATION:C-11B
MODEL AND SERIAL NUMBER:	1153DA5	RELATIVE HUMIDITY	20 %-90 %	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	GENERIC FILE: EQ-IC-1
SERVICE DESCRIPTION:	CONT FN CLR (3B SB) CCW OUTLT..	CHEMICAL SPRAY	NONE	BORIC ACID (15000PPM) &NAOH SOL. 10.5PH@77F	N/A	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEOUS TYPE TEST	N/A	
ACCURACY SPECIFIED:		RADIATION	1.1 MRAD	144 MEGARAD TQTL. INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - FF DWG. G-145	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A	
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11-1	N/A	SUPP. ANALY- SIS	YES	
LOCATION:	AUX BUILDING	SUBMER- GENCE	NONE	N/A	N/A	N/A	N/A	N/A	
ELEVATION:	-4.0 FT.								
FLOOD LEVEL EL:	N/A FEET								
ABOVE FLOOD LEVEL:	N/A								
COORDINATES:	M-N;11A-12A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: (IF REQUIRED) !							
ENVIRON'T IS HARSH									REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARER:MR 07/30/82 DATE
QUALIF STATUS: QUALIFIED TO IEEE-323-1971									CHECKER :TC 07/30/82 DATE
									SYSTEM:COMPONENT COOLING WATER
									QDEF SHEET NO.-0133

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT	OPERATING	!!	!!	!!	!!	!!	!!	!!
COOLING WATER	TIME	!!	!!	!!	!!	!!	!!	!!
COMPONENT: PRESSURE TRANSMITTER	!!	!!	!!	!!	!!	!!	!!	!!
PLANT NUMBER: PT CC 5060AS	TEMPERATURE	!!	!!	!!	!!	!!	!!	!!
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	!!	!!	!!	!!	!!	!!	!!
MODEL AND SERIAL NUMBER: 1153GA7	!!	!!	!!	!!	!!	!!	!!	!!
SERVICE DESCRIPTION: CCW SUPPLY HDR A&B OUTLT PRESS	RELATIVE HUMIDITY	!!	!!	!!	!!	!!	!!	!!
FUNCTION: CR INDICATOR INPUT	CHEMICAL SPRAY	!!	!!	!!	!!	!!	!!	!!
ACCURACY SPECIFIED:	RADIATION	!!	!!	!!	!!	!!	!!	!!
ACCURACY DEMONS.:	AGING	!!	!!	!!	!!	!!	!!	!!
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.	!!	!!	!!	!!	!!	!!	!!	!!
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	!!	!!	!!	!!	!!	!!	!!
ABOVE FLOOD LEVEL: N/A	!!	!!	!!	!!	!!	!!	!!	!!
COORDINATES: J-K;2A-3A	INDEX FOR INCONSISTENCY!							!!
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!!
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	(IF REQUIRED) !							!!
QUALIF STATUS: QUALIFIED TO IEEE-323-1971	O! T! P! H! C! R! A! S!							!!
	REFERENCES:							!!
	EQ-IC-1							!!
	REVISION NO.-01							!!
	PREPARER:MR 07/30/82							!!
	DATE							!!
	CHECKER :TC 07/30/82							!!
	DATE							!!
	SYSTEM:COMPONENT							!!
	COOLING WATER							!!
	QDEF SHEET NO.-0140							!!

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY		
							ANALYZED			
SYSTEM:	COMPONENT	OPERATING	!!	!!	TEST	FSAR	ROSEMOUNT	SIMULT	N/A	QUALIFIED
	COOLING WATER	TIME	!!	!!	DURATION	TABLE	REPORT NO.	ANEQUS		LIFE IS:
COMPONENT:	PRESSURE		!!	!!	64 HOURS	3.11-2	3788;PP 21	TYPE		
	TRANSMITTER		!!	!!	20 MIN		FIG.1	TEST		
PLANT NUMBER:	PT CC 5060BS	TEMPERAT-URE	!!	!!	104 DEGF	TEMP MAP	ROSEMOUNT	SIMULT	N/A	MAINTENANCE / REPLACEMENT SCHD:
			!!	!!	POST-DBA	G-134	REPORT NO.	ANEQUS		
			!!	!!	1250F-56HRS		3788;PP 21	TYPE		
			!!	!!	120F-		FIG.1	TEST		
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	!!	!!	120#-10MIN	FSAR TABLE	ROSEMOUNT	SIMULT	N/A	
			!!	!!	1 ATMOS	3.11-1	REPORT NO.	ANEQUS		INSTRUMENT
			!!	!!	15#-56HRS		3788;PP 21	TYPE		LOCATION: C*01B
			!!	!!			FIG.1	TEST		GENERIC FILE:
MODEL AND SERIAL NUMBER:	1153GA7	RELATIVE HUMIDITY	!!	!!	20-90%	FSAR	ROSEMOUNT	SIMULT	N/A	EQ-IC-1
			!!	!!	100%	TABLE	REPORT NO.	ANEQUS		
SERVICE DESCRIPTION:	CCW SUPPLY HDR A&B OUTLT PRESS		!!	!!	(STEAM)	3.11-1	3788;PP 21	TYPE		
			!!	!!			FIG.1	TEST		
FUNCTION:	CR INDICATOR INPUT	CHEMICAL SPRAY	!!	!!	NONE	FSAR	ROSEMOUNT	SIMULT	N/A	
			!!	!!	10.5PH@77F	N/A	REPORT NO.	ANEQUS		
			!!	!!	10.5PH@77F		3788;PP 15	TYPE		
			!!	!!			PARA. 5.6	TEST		
ACCURACY SPECIFIED:		RADIATION	!!	!!	2.5 MRAD	RADIATION	ROSEMOUNT	SEQ'L	N/A	
			!!	!!	144 MEGARAD	MAPS	REPORT NO.	TYPE		
			!!	!!	TOTL. INTE-	ZONE - M	3788;	TEST		
			!!	!!	GRATED	DWG. G-134	PP 7-10			
ACCURACY DEMONS.:		AGING	!!	!!	40 YEARS	FSAR	N/A	SUPP.	YES	
			!!	!!	PLUS	PARAGRAPH		ANALY-		
LOCATION:	AUX BUILDING		!!	!!	120 DAYS	3.11.1		SIS		
ELEVATION:	+46.0 FT.		!!	!!	POST DBA					
FLOOD LEVEL:	EL N/A FEET	SUBMER- GENCE	!!	!!	N/A	N/A	N/A	N/A	N/A	
ABOVE FLOOD LEVEL:	N/A		!!	!!						
COORDINATES:	K-L;2A-3A	INDEX FOR INCONSISTENCY!								
ENVIRON'T IS HARSH		ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO		(IF REQUIRED)								PREPARER:MR 07/30/82
QUALIF STATUS:										DATE
QUALIFIED TO IEEE-323-1971										CHECKER :TC 07/30/82
										DATE
										SYSTEM:COMPONENT
										COOLING WATER
										QDEF SHEET NO.-0141

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	COMPONENT	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEOUS	N/A	QUALIFIED LIFE IS:
COMPONENT:	PRESSURE TRANSMITTER			64 HOURS 120 MIN	3.11-2	3788;PP 21 FIG.1	TEST		
PLANT NUMBER:	PT CC 5060CS	TEMPERATURE	104 DEG F POST-DBA	350F-10MIN 303F-8HRS 250F-56HRS 120F-	TEMP MAP G-134	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	120#-10MIN 55#-8HRS 15#-56HRS	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	INSTRUMENT LOCATION: C-101C GENERIC FILE: EQ-IC-1
MODEL AND SERIAL NUMBER:	1153GA7	RELATIVE HUMIDITY	20-90%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	
SERVICE DESCRIPTION:	CCW SUPPLY HDR A&B OUTLT PRESS	CHEMICAL SPRAY	NONE	BORIC ACID (15000PPM) 8NAOH SOL. 10.5PH@77F	N/A	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEOUS TYPE TEST	N/A	
ACCURACY SPECIFIED:		RADIATION	2.5 MRAD	44 MEGARAD	RADIATION MAPS ZONE - M	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A	
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY- SIS	YES	
LOCATION:	AUX BUILDING	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A	
ELEVATION:	+46.0 FT.	INDEX FOR INCONSISTENCY!							
FLOOD LEVEL EL:	N/A FEET	ANALYSIS IN WORKFILE (IF REQUIRED)							
ABOVE FLOOD LEVEL:	N/A	OTHER EQUIPMENT THIS QDEF APPLIES TO:							
COORDINATES:	J-K;2A-3A	REFERENCES:							
ENVIRON'T IS HARSH		EQ-IC-1							
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		O! T! P! H! C! R! A! S!							
QUALIF STATUS: QUALIFIED TO IEEE-323-1971		REFERENCES:							
		REVISION NO.-01							
		PREPARER: MR 07/30/82							
		DATE							
		CHECKER : TC 07/30/82							
		DATE							
		SYSTEM: COMPONENT							
		COOLING WATER							
		QDEF SHEET NO.-0142							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: COMPONENT	COOLING WATER	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEQUUS	QUALIFIED LIFE IS:	
COMPONENT:	PRESSURE TRANSMITTER			164 HOURS	3.11-2	3788;PP 21	TYPE TEST		
PLANT NUMBER:	PT CC 507OAS	TEMPERATURE	1104 DEGF POST DBA	135OF-10MIN 1303F- 8HRS	TEMPERATURE MAP	ROSEMOUNT REPORT NO.	SIMULT ANEQUUS	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	120#-10MIN 55#- 8HRS	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEQUUS		
MODEL AND SERIAL NUMBER:	1153DA7			15#-56HRS	3.11-1	3788;PP 21	TYPE TEST	INSTRUMENT LOCATION: C101A GENERIC FILE:	
SERVICE DESCRIPTION:	CCW FROM CHILLER A	RELATIVE HUMIDITY	120 %-90 %	100% (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEQUUS		
FUNCTION:	CR INDICATOR INPUT	CHEMICAL SPRAY	NONE	BORIC ACID (15000PPM)	N/A	ROSEMOUNT REPORT NO.	SIMULT ANEQUUS		
ACCURACY SPECIFIED:		RADIATION	2.5 MRAD	44 MEGARAD TOTL. INTE-	RADIATION MAPS	ROSEMOUNT REPORT NO.	SEQ'L TYPE	N/A	
ACCURACY DEMONS.:				GRATED GAMMA DOSE	ZONE - M DWG. G-134	3788; PP 7-10	TEST		
LOCATION: ELEVATION:	AUX BUILDING +46 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH	N/A	SUPP. ANALY-SIS	YES	
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A	
ABOVE FLOOD LEVEL:	N/A								
COORDINATES:	J-K, 2A-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE	
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO							CHECKER : TC 07/30/82 DATE	
QUALIF STATUS:	QUALIFIED TO IEEE-323-1971								
		EQ-IC-1			REFERENCES:			SYSTEM: COMPONENT COOLING WATER QDEF SHEET NO. -0143	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES		
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED			
SYSTEM: COMPONENT	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	N/A	QUALIFIED LIFE IS:		
COMPONENT: PRESSURE TRANSMITTER			64 HOURS	3.11-2	3788;PP 21	TEST				
			20 MIN		FIG.1					
PLANT NUMBER: PT CC 5070BS	TEMPERATURE	104 DEGF POST DBA	350F-10MIN 303F- 8HRS 250F-56HRS	TEMPERATURE MAP	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	MAINTENANCE / REPLACEMENT SCHD:		
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1 ATMDS	120#-10MIN 55#- 8HRS 15#-56HRS	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	INSTRUMENT LOCATION:C-101B		
MODEL AND SERIAL NUMBER: 1153DA7					FIG.1	TEST		GENERIC FILE:		
SERVICE DESCRIPTION: CCW FROM CHILLER B	RELATIVE HUMIDITY	20 %-90 %	100% (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A			
FUNCTION: CR INDICATOR INPUT	CHEMICAL SPRAY	NONE	BORIC ACID (15000PPM) &NAOH SOL. 10.5PH@77F	N/A	ROSEMOUNT REPORT NO. 3788;PP 15	SIMULT ANEIOUS	N/A			
ACCURACY SPECIFIED:	RADIATION	2.5 M RADS	44 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO. 3788;	SEQ'L TYPE	N/A			
ACCURACY DEMONS.:			GRATED GAMMA DOSE	ZONE - M DWG. G-134	PP 7-10	TEST				
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH	N/A 3.11.1	SUPP. ANALY-	YES			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: N/A										
COORDINATES:K-L;2A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)									
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	REFERENCES:								PREPARER:MR 07/30/82 DATE	
QUALIF STATUS: QUALIFIED TO IEEE-323-1971	EQ-IC-1									CHECKER :TC 07/30/82 DATE
										SYSTEM:COMPONENT COOLING WATER
										QDEF SHEET NO.-0144

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY	
								ANALYZED	
SYSTEM:	COMPONENT	OPERATING	!!	!!	!!	!!	!!	!!	!!
	COOLING WATER	TIME	!! 120 DAYS	!!	!!	!!	!!	!!	!!
COMPONENT:	PRESSURE TRANSMITTER		!!	!!	!!	!!	!!	!!	!!
			!!	!!	!!	!!	!!	!!	!!
PLANT NUMBER:	PT CC 5070CS	TEMPERATURE	!! 104 DEG POST DBA	!!	!!	!!	!!	!!	!!
			!!	!!	!!	!!	!!	!!	!!
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	!! 1 ATMOS	!!	!!	!!	!!	!!	!!
			!!	!!	!!	!!	!!	!!	!!
MODEL AND SERIAL NUMBER:	1153DA7	RELATIVE HUMIDITY	!! 120 %-90 %	!!	!!	!!	!!	!!	!!
			!!	!!	!!	!!	!!	!!	!!
SERVICE DESCRIPTION:	CCW FROM CHILLER C	CHEMICAL SPRAY	!! NONE	!!	!!	!!	!!	!!	!!
			!!	!!	!!	!!	!!	!!	!!
ACCURACY SPECIFIED:		RADIATION	!! 2.5 M RADS	!!	!!	!!	!!	!!	!!
			!!	!!	!!	!!	!!	!!	!!
ACCURACY DEMONS.:		AGING	!! 40 YEARS PLUS 120 DAYS POST DBA	!!	!!	!!	!!	!!	!!
			!!	!!	!!	!!	!!	!!	!!
LOCATION: AUX BUILDING ELEVATION:	+46 FT.	SUBMERGENCE	!! NONE	!!	!!	!!	!!	!!	!!
			!!	!!	!!	!!	!!	!!	!!
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL:	N/A		!!	!!	!!	!!	!!	!!	!!
			!!	!!	!!	!!	!!	!!	!!
COORDINATES: J-K, 2A-3A		INDEX FOR INCONSISTENCY							
ENVIRON'T IS HARSH		ANALYSIS IN WORKFILE (IF REQUIRED)							
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		OTHER EQUIPMENT THIS QDEF APPLIES TO:							
QUALIF STATUS: QUALIFIED TO IEEE-323-1971		REFERENCES:							
		EQ-IC-1							
		REVISION NO.-01							
		PREPARER: MR 07/30/82							
		DATE							
		CHECKER : TC 07/30/82							
		DATE							
		SYSTEM: COMPONENT							
		COOLING WATER							
		QDEF SHEET NO.-0145							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONDENSATE	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	QUALIFIED LIFE IS:	
COMPONENT: LEVEL TRANSMITTER			164 HOURS	3.11-2	FIG. 1	TEST			
PLANT NUMBER: LT CD 9013AS	TEMPERATURE	104 DEGF POST-DBA	1350F-10MIN 1303F- 8HRS 1250F-56HRS 120F-	TEMPERATURE MAP G137	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	120#-10MIN 55#- 8HRS 15#-56HRS	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	INSTRUMENT LOCATION:C-35A	
MODEL AND SERIAL NUMBER: 1153DA5	RELATIVE HUMIDITY	20%-90%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A		
SERVICE DESCRIPTION: CONDS STRG POOL					FIG. 1	TEST			
FUNCTION: CR INDICATOR, ALARM & INTLK	CHEMICAL SPRAY	NONE	BORIC ACID (15000PPM) & NAOH SOL. 10.5PH@77F	N/A	ROSEMOUNT REPORT NO. 3788;PP 15	SIMULT ANEIOUS	N/A		
ACCURACY SPECIFIED:	RADIATION	800 OORAD	44 MEGARAD	RADIATION MAPS ZONE - C	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE	N/A		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY-	YES		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.						SIS			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-K:5A-6A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRONMENT IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:							PREPARER: MR 07/30/82	
QUALIF STATUS: QUALIFIED TO IEEE-323-1971	EQ-IC-1							CHECKER : TC 07/30/82	
								DATE	
								SYSTEM: CONDENSATE	
								QDEF SHEET NO.-0148	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONDENSATE	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	QUALIFIED LIFE IS:
COMPONENT: LEVEL TRANSMITTER			64 HOURS 120 MIN	3.11-2	FIG. 1	TEST		
PLANT NUMBER: LT CD 9013BS	TEMPERATURE	104 DEGF POST-DBA	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	TEMPERA- TURE MAP G137	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	120#-10MIN 55#- 8HRS 15#-56HRS	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	INSTRUMENT LOCATION: C-35B
MODEL AND SERIAL NUMBER: 1153DA5	RELATIVE HUMIDITY	20%-90%	100% (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	GENERIC FILE: EQ-IC-1
SERVICE DESCRIPTION: CONDS STRG POOL	CHEMICAL SPRAY	NONE	BORIC ACID (15000PPM) 8NAOH SOL. 10.5PH@77F	N/A	ROSEMOUNT REPORT NO. 3788;PP 15	SIMULT ANEOUS	N/A	
ACCURACY SPECIFIED:	RADIATION	1800,000RAD	44 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO. 3788;	SEQ'L TYPE	N/A	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY- SIS	YES	
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	SUBMER- GENCE	NONE	N/A	N/A	N/A	N/A		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-K;5A-6A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								PREPARER: MR 07/30/82
QUALIF STATUS: QUALIFIED TO IEEE-323-1971								DATE
				REFERENCES:				CHECKER : TC 07/30/82
								DATE
								SYSTEM: CONDENSATE
								QDEF SHEET NO. -0149

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	CONTAINMENT SPRAY	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEODUS	N/A	QUALIFIED LIFE IS:
COMPONENT:	PRESSURE TRANSMITTER			164 HOURS	3.11-2	3788;PP 21	TYPE TEST		
PLANT NUMBER:	PT CS 7111AS	TEMPERATURE	115 DEGF	350F-10MIN	TEMP MAP	ROSEMOUNT REPORT NO.	SIMULT ANEODUS	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	1 ATM	120#-10MIN	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEODUS	N/A	INSTRUMENT LOCATION: C-26A
MODEL AND SERIAL NUMBER:	1153GA8			55#- 8HRS	3.11-1	3788;PP 21	TYPE TEST		
SERVICE DESCRIPTION:	CONT'NMT SPRAY PUMP A DISCH.	RELATIVE HUMIDITY	120%-90%	100% (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEODUS	N/A	GENERIC FILE: EQ-IC-1
FUNCTION:	CR INDICATOR & ALARM INPUT	CHEMICAL SPRAY	NONE	BORIC ACID ((15000PPM))	N/A	ROSEMOUNT REPORT NO.	SIMULT ANEODUS	N/A	
ACCURACY SPECIFIED:		RADIATION	4.2 MRAD	144 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO.	SEQ'L TYPE	YES	
ACCURACY DEMONS.:				GRATED GAMMA DOSE	ZONE - U DWG. G-137	3788; PP 7-10	TEST		
LOCATION:	AUX BUILDING	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARAGRAPH	N/A	SUPP. ANALY- SIS	N/A	
ELEVATION:	-15.0 FT.		120 DAYS POST DBA		3.11-1				
FLOOD LEVEL EL:	N/A FEET	SUBMER- GENCE	NONE	N/A	N/A	N/A	N/A	N/A	
ABOVE FLOOD LEVEL:	N/A								
COORDINATES:	J-K; 9A-10A<	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH		ANALYSIS IN WORKFILE (IF REQUIRED)							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		OTHER EQUIPMENT THIS QDEF APPLIES TO:							PREPARER: MR 07/30/82
QUALIF STATUS: QUALIFIED TO IEEE-323-1971		REFERENCES:							DATE 07/30/82
		EQ-IC-1							CHECKER : TC 07/30/82
									DATE
									SYSTEM: CONTAINMENT SPRAY
									QDEF SHEET NO.-0150

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTAINMENT SPRAY	OPERATING TIME	!! 120 DAYS	!! TEST DURATION	!! FSAR TABLE	!! ROSEMOUNT REPORT NO.	!! SIMULT ANEOUS	!! N/A	!! QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER		!!	!! 164 HOURS	!! 3.11-2	!! 3788;PP 21	!! TEST	!!	!!
		!!	!! 120 MIN	!!	!! FIG. 1	!!	!!	!!
PLANT NUMBER: PT CS 7111BS	TEMPERATURE	!! 115 DEG F POST-DBA	!! 350F-10MIN 303F- 8HRS 250F-56HRS	!! TEMP MAP G-137	!! ROSEMOUNT REPORT NO.	!! SIMULT ANEOUS	!! N/A	!! MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	!! 1 ATM	!! 120#- 10MIN 55#- 8HRS 15#-56HRS	!! FSAR TABLE 3.11-1	!! ROSEMOUNT REPORT NO.	!! SIMULT ANEOUS	!! N/A	!! INSTRUMENT LOCATION: C-26B
MODEL AND SERIAL NUMBER: 1153GA8		!!	!!	!!	!! FIG. 1	!! TEST	!!	!!
SERVICE DESCRIPTION: CONT'NMT SPRAY PUMP B DISCH.	RELATIVE HUMIDITY	!! 20%-90%	!! 100% (STEAM)	!! FSAR TABLE 3.11-1	!! ROSEMOUNT REPORT NO.	!! SIMULT ANEOUS	!! N/A	!! GENERIC FILE: EQ-IC-1
FUNCTION: CR INDICATOR & ALARM INPUT	CHEMICAL SPRAY	!! NONE	!! BORIC ACID ((15000PPM)) 8NAOH SOL. 10.5PH@77F	!! N/A	!! ROSEMOUNT REPORT NO.	!! SIMULT ANEOUS	!! N/A	!!
ACCURACY SPECIFIED:	RADIATION	!! 4.2 MRAD	!! 44 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	!! RADIATION MAPS ZONE - U DWG. G-137	!! ROSEMOUNT REPORT NO.	!! SEQ'L TYPE TEST	!! YES	!!
ACCURACY DEMONS.:		!!	!!	!!	!! 3788; PP 7-10	!!	!!	!!
LOCATION: AUX BUILDING ELEVATION: -15.0 FT.	AGING	!! 40 YEARS PLUS 120 DAYS POST DBA	!! NOT EVALUATED	!! FSAR PARAGRAPH 3.11-1	!! N/A	!! SUPP. ANALY- SIS	!! N/A	!!
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	!! NONE	!! N/A	!! N/A	!! N/A	!! N/A	!! N/A	!!
COORDINATES: K-L; 9A-10A<	INDEX FOR INCONSISTENCY:			ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFIED TO IEEE-323-1971								CHECKER : TC 07/30/82 DATE
					REFERENCES:			SYSTEM: CONTAINMENT SPRAY
								QDEF SHEET NO. -0151

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTAINMENT SPRAY	! OPERATING TIME	!! 120 DAYS	! TEST DURATION	! FSAR TABLE	! ROSEMOUNT	! SIMULT	! ANEIOUS	! QUALIFIED LIFE IS:
COMPONENT: FLOW TRANSMITTER	! TIME	!!	! 64 HOURS	! 3.11-2	! 3788;PP 21	! TYPE	! TEST	!
	! 120 MIN	!!	!	! G-137	! FIG. 1	! TEST	!	!
PLANT NUMBER: FT CS 7122AS	! TEMPERATURE	!! 104 DEGF	! 350F-10MIN	! TEMPERATURE	! ROSEMOUNT	! SIMULT	! N/A	! MAINTENANCE / REPLACEMENT SCHD:
	! POST-DBA	!!	! 303F- 8HRS	! ATURE	! REPORT NO.	! ANEIOUS	!	!
	!!	!!	! 250F-56HRS	! MAPS	! 3788;PP 21	! TYPE	!	!
	!!	!!	! 120F-	! G-137	! FIG. 1	! TEST	!	!
MANUFACTURER: ROSEMOUNT INCORPORATED	! PRESSURE	!! 1 ATMOS	! 120#-10MIN	! FSAR TABLE	! ROSEMOUNT	! SIMULT	! N/A	!
	!!	!!	! 55#- 8HRS	! 3.11-1	! REPORT NO.	! ANEIOUS	!	! INSTRUMENT
	!!	!!	! 15#-56HRS	!	! 3788;PP 21	! TYPE	!	! LOCATION C-35A
MODEL AND SERIAL NUMBER: 1153DA5	!!	!!	!	!	! FIG. 1	! TEST	!	! GENERIC FILE: EQ-IC-1
SERVICE DESCRIPTION: CONT SPRAY HDA A FLOW	! RELATIVE HUMIDITY	!! 20 %-90 %	!	! FSAR TABLE	! ROSEMOUNT	! SIMULT	! N/A	!
	!!	!!	! 100% (STEAM)	! 3.11-1	! REPORT NO.	! ANEIOUS	!	!
	!!	!!	!	!	! 3788;PP 21	! TYPE	!	!
	!!	!!	!	!	! FIG. 1	! TEST	!	!
FUNCTION: CR INDICATOR & ALARM INPUT	! CHEMICAL SPRAY	!! NONE	! BORIC ACID	! NOT APPLICABLE	! ROSEMOUNT	! SIMULT	! N/A	!
	!!	!!	! (15000PPM)	!	! REPORT NO.	! ANEIOUS	!	!
	!!	!!	! &NAOH SOL.	!	! 3788;PP 15	! TYPE	!	!
	!!	!!	! 10.5PH@77F	!	! PARA. 5.6	! TEST	!	!
ACCURACY SPECIFIED:	! RADIATION	!! 800,000	! 44 MEGARAD	! RADIATION	! ROSEMOUNT	! SEQ'L	! N/A	!
	!!	!!	! TOTL. INTE-	! MAPS	! REPORT NO.	! TYPE	!	!
	!!	!!	! GRATED	! ZONE - C	! 3788;	! TEST	!	!
ACCURACY DEMONS.:	!!	!!	! GAMMA DOSE	! DWG. G-137	! PP 7-10	!	!	!
LOCATION: AUX BUILDING	! AGING	!! 40 YEARS	! NOT EVALUATED	! FSAR PARAGFAPH	! N/A	! SUPP.	! YES	!
ELEVATION: -35.0 FT.	!!	!! PLUS	!	! 3.11.1	!	! ANALY-	!	!
	!!	!! 120 DAYS	!	!	!	! SIS	!	!
	!!	!! POST DBA	!	!	!	!	!	!
FLOOD LEVEL EL: N/A FEET	! SUBMERGENCE	!! NONE	! N/A	! N/A	! N/A	! N/A	! N/A	!
ABOVE FLOOD LEVEL: N/A	!!	!!	!	!	!	!	!	!
	!!	!!	!	!	!	!	!	!
COORDINATES: J-K;5A-6A	! INDEX FOR INCONSISTENCY!							!
ENVIRONMENT IS HARSH	! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	! (IF REQUIRED) !							!
QUALIF STATUS: QUALIFIED TO IEEE-323-1971	!							! REVISION NO.-01
	!							! PREPARER:MR 07/30/82
	!							! DATE
	!							! CHECKER :TC 07/30/82
	!							! DATE
	!							! SYSTEM: CONTAINMENT
	!							! SPRAY
	!							! QDEF SHEET NO.-0152
	EQ-IC-1		A!	REFERENCES:				
			S!					

QUALIFICATION DATA EVALUATION FORM

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTAINMENT SPRAY	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE 3.11-2	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS		QUALIFIED LIFE IS:
COMPONENT: FLOW TRANSMITTER			64 HOURS 120 MIN		FIG.1	TEST		
PLANT NUMBER: FT CS 7122BS	TEMPERATURE	115 DEGF POST-DBA	350F-10MIN 303F- 8HRS 1250F-56HRS	TEMPERATURE MAPS	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	120#-10MIN 55#- 8HRS 15#-56HRS	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	INSTRUMENT LOCATION C-26B
MODEL AND SERIAL NUMBER: 1153DA5					FIG.1	TEST		GENERIC FILE: EQ-IC-1
SERVICE DESCRIPTION: CONT SPRAY HDR B FLOW	RELATIVE HUMIDITY	120 %-90 %	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	
FUNCTION: CR INDICATOR & ALARM INPUT	CHEMICAL SPRAY	NONE	BORIC ACID ((15000PPM) 8NAOH SOL. 10.5PH@77F)	NOT APPLICABLE	ROSEMOUNT REPORT NO. 3788;PP 15	SIMULT ANEIOUS	N/A	
ACCURACY SPECIFIED:	RADIATION	800,000 RAD	44 MEGARAD TOTL. INTE- GRATED	RADIATION MAPS ZONE - C	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE	N/A	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY-	YES	
LOCATION: AUX BUILDING ELEVATION: -15.0 FT.		120 DAYS POST DBA				SIS		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A	
COORDINATES: K-L; 9A-10A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -C1
ENVIRONMENT IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFIED TO IEEE-323-1971				REFERENCES:				SYSTEM: CONTAINMENT SPRAY
	EQ-IC-1							QDEF SHEET NO. -0153

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: EMERG DIESEL GENERATOR	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS		QUALIFIED LIFE IS:
COMPONENT: LEVEL TRANSMITTER			64 HOURS 20 MIN.	3.11-2	3788;PP 21 FIG.1	TEST		
PLANT NUMBER: LT EG 6903AS	TEMPERATURE	102 DEG (OUTDOORS)	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	FSAR TABLE 3-11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	120#-10MIN 55#- 8HRS 15#-56HRS	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TEST	N/A	
MODEL AND SERIAL NUMBER: 1153DA4	RELATIVE HUMIDITY	100%	(STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TEST	N/A	
SERVICE DESCRIPTION: DIESEL OILR FD TK A LVL	CHEMICAL SPRAY	NONE	BORIC ACID (15000PPM) &NAOH SOL. 10.5PH@77F	N/A	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEIOUS TEST	N/A	
ACCURACY SPECIFIED:	RADIATION	10,000 RAD	44 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - A DWG. G-134	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY- SIS	YES	
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A	
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A								
COORDINATES: H-J; 1A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:							PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFIED TO IEEE-323-1971	EQ-IC-1							CHECKER :TC 07/30/82 DATE
								SYSTEM: EMERG DIESEL GENERATOR
								QDEF SHEET NO. -0154

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: EMERG DIESEL GENERATOR	OPERATING TIME	!! 120 DAYS	!! TEST DURATION	!! FSAR TABLE	!! ROSEMOUNT REPORT NO.	!! SIMULT ANEIOUS	!!	!! QUALIFIED LIFE IS:
COMPONENT: LEVEL TRANSMITTER		!!	!! 64 HOURS 120 MIN.	!! 3.11-2	!! 3788;PP 21 FIG.1	!! TYPE TEST	!!	!!
PLANT NUMBER: LT EG 6903BS	TEMPERATURE	!! 102 DEG (OUTDOORS)	!! 350F-10MIN 303F-8HRS 250F-56HRS 120F-	!! FSAR TABLE 3-11-1	!! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	!! SIMULT ANEIOUS TYPE TEST	!! N/A	!! MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	!! 1 ATMOS	!! 120#-10MIN 55#-8HRS 15#-56HRS	!! FSAR TABLE 3.11-1	!! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	!! SIMULT ANEIOUS TYPE TEST	!! N/A	!!
MODEL AND SERIAL NUM. SR: 1153DA4	RELATIVE HUMIDITY	!! 100 %	!! 100% (STEAM)	!! FSAR TABLE 3.11-1	!! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	!! SIMULT ANEIOUS TYPE TEST	!! N/A	!!
SERVICE DESCRIPTION: DIESEL OILR FD TK B LVL	CHEMICAL SPRAY	!! NONE	!! BORIC ACID ((15000PPM)) &NAOH SOL. 10.5PH@77F	!! N/A	!! ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	!! SIMULT ANEIOUS TYPE TEST	!! N/A	!!
ACCURACY SPECIFIED:	RADIATION	!! 10,000 RAD	!! 44 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	!! RADIATION MAPS ZONE - A DWG. G-134	!! ROSEMOUNT REPORT NO. 3788; PP 7-10	!! SEQ'L TYPE TEST	!! N/A	!!
ACCURACY DEMONS.:	AGING	!! 40 YEARS PLUS 120 DAYS POST DBA	!! NOT EVALUATED	!! FSAR PARAGRAPH 3.11.1	!! N/A	!! SUPP. ANALY- SIS	!! YES	!!
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.	SUBMER- GENCE	!! NONE	!! N/A	!! N/A	!! N/A	!! N/A	!! N/A	!!
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A		!!	!!	!!	!!	!!	!!	!!
COORDINATES: H-J; 1A-2A	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: ! (IF REQUIRED) !						!	!
ENVIRON'T IS HARSH								! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								! PREPARER: MR 07/30/82
QUALIF STATUS: QUALIFIED TO IEEE-323-1971								! DATE
								! CHECKER : TC 07/30/82
								! DATE
								! SYSTEM: EMERG DIESEL
								! GENERATOR
								! QDEF SHEET NO.-0155

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: FEEDWATER	OPERATING TIME	30 MIN.	TEST DURATION 64 HOURS	FSAR TABLE 3.11-2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TEST	----	QUALIFIED LIFE IS:	
COMPONENT: LEVEL TRANSMITTER			1MIN						
PLANT NUMBER: LT FW 1113A (LT 1113A)	TEMPERATURE	269 DEGF	135OF-10MIN 1303F- 8HRS 125OF-56HRS 1120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TEST	N/A	MAINTENANCE / REPLACEMENT SCHE.	
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#- 10MIN 55#- 8HRS 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TEST	N/A	INSTRUMENT LOCATION: C-1A	
MODEL AND SERIAL NUMBER: 1153DA4	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TEST	NA		
SERVICE DESCRIPTION: STM GEN DOWN-COMER LEVEL									
FUNCTION: INPUT TO EFAS & STEAM DUMP	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM) 8NAOH SOL. 110.5PH@77F	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEOUS TEST	NA	GENERAL FILE: EQ-IC-1	
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD	144 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - CC DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	NA		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 30 MIN. POST DBA	NOT EVALUATED	FSAR PARAGRAHP 3.11-1	N/A	SUPP. ANALY- SIS	YES		
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.									
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMER- GENCE	NONE	N/A	N/A	N/A	N/A	N/A		
COORDINATES: S/W COL 14/15	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO.-01
ENVIRON'T IS HARSH									PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									CHECKER :TC 07/30/82 DATE
QUALIF STATUS: QUALIFIED FOR INTERIM USE									SYSTEM: FEEDWATER
	EQ-IC-1	REFERENCES:							QDEF SHEET NO.-0156

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: FEEDWATER	OPERATING TIME	30 MIN.	TEST DURATION 64 HOURS 20 MIN	FSAR TABLE 3.11-2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST		QUALIFIED LIFE IS:
COMPONENT: LEVEL TRANSMITTER								
PLANT NUMBER: LT FW 1113B (LT 1113B)	TEMPERATURE	269 DEGF	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#-10MIN 55#- 8HRS 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	INSTRUMENT LOCATION:C-1B
MODEL AND SERIAL NUMBER: 1153DA4	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	NA	
SERVICE DESCRIPTION: STM GEN DOWN-COMER LEVEL	CHEMICAL SPRAY	1750-2150 PPM BOR AS BORIC ACID PH:5.0-9.0	BORIC ACID (15000PPM) NAOH SOL. 10.5PH@77F	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEOUS TYPE TEST	NA	GENERIC FILE: EQ-IC-1
ACCURACY SPECIFIED:	RADIATION	GAMMA: 33 MRAD BETA: 327 MRAD	44 MEGARAD TOTL. INTENS. GRATED GAMMA DOSE	RADIATION MAPS ZONE - CC DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	NA	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 30 MIN. POST DBA	NOT EVALUATED	FSAR PARAGRAHP 3.11-1	N/A	SUPP. ANALY-	YES	
LOCATION: COMT BUILDING ELEVATION: +21.0 FT.	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A	
FLOOD LEVEL EL: +0.5 FEET								
ABOVE FLOOD LEVEL: YES								
COORDINATES: SW;COL 14/15	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER:MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								CHECKER :TC 07/30/82 DATE
QUALIF STATUS: QUALIFIED FOR INTERIM USE								SYSTEM:FEEDWATER
	EQ-IC-1							QDEF SHEET NO.-0157

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: FEEDWATER	OPERATING TIME	30 MIN.	TEST DURATION 64 HOURS 20 MIN	FSAR TABLE 3.11-2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	----	QUALIFIED LIFE IS:	
COMPONENT: LEVEL TRANSMITTER									
PLANT NUMBER: LT FW 1113C (LT 1113C)	TEMPERATURE	269 DEG F	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHED:	
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#-10MIN 55#- 8HRS 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A	INSTRUMENT LOCATION: C-1C	
MODEL AND SERIAL NUMBER: 1153DA4	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	NA		
SERVICE DESCRIPTION: STM GEN DOWN-COMER LEVEL	CHEMICAL SPRAY	1750-2150 PPM BOR AS BORIC ACID & NAOH SOL PH:5.0-9.0	BORIC ACID ((15000PPM) & NAOH SOL 10.5PH@77F	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEIOUS TYPE TEST	NA	GENERIC FILE: EQ-IC-1	
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD	44 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - CC DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	NA		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 30 MIN. POST DBA	NOT EVALUATED	FSAR PARAGRAHP 3.11-1	N/A	SUPP. ANALY- SIS	YES		
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A		
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES									
COORDINATES: SW; COL 15/16	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:								PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFIED FOR INTERIM USE	EQ-IC-1								CHECKER : TC 07/30/82 DATE
									SYSTEM: FEEDWATER
									QDEF SHEET NO.-0158

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES		
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED			
SYSTEM: FEEDWATER	OPERATING TIME	30 MIN.	TEST DURATION 64 HOURS 20 MIN	FSAR TABLE 3.11-2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	----	QUALIFIED LIFE IS:		
COMPONENT: LEVEL TRANSMITTER										
PLANT NUMBER: LT FW 1113D	TEMPERATURE	269 DEGF	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:		
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#-10MIN 55#- 8HRS 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	INSTRUMENT LOCATION:C-1D CABINET(S)		
MODEL AND SERIAL NUMBER: 1153DA4	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	NA			
SERVICE DESCRIPTION: STM GEN DOWN-COME 2 LEVEL										
FUNCTION: INFL TO EFAS & STEAM DUMP	CHEMICAL SPRAY	1750-2150 PPM BOR AS BORIC ACID &NAOH SOL PH:5.0-9.0	BORIC ACID (15000PPM) &NAOH SOL 10.5PH@77F	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEOUS TYPE TEST	NA	GENERIC FILE: EQ-IC-1		
ACCURACY SPECIFIED:	RADIATION	GAMMA: 33 MRAD BETA: 327 MRAD	44 MEGARAD TOTL.INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - CC DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	NA			
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 30 MIN. POST DBA	NOT EVALUATED	FSAR PARAGRAHP 3.11-	N/A	SUPP. ANALY- SIS	YES			
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.										
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMER- GENCE	NONE	N/A	N/A	N/A	N/A	N/A			
COORDINATES:SW: COL 17/18	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)									
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION:NO QUALIF STATUS: QUALIFIED FOR INTERIM USE	REFERENCES:								PREPARER:MR 07/30/82 DATE CHECKER :TC 07/30/82 DATE	
	EQ-IC-1									SYSTEM:FEEDWATER
										QDEF SHEET NO.-0159

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: FEEDWATER	OPERATING TIME	30 MIN.	TEST DURATION 64 HOURS 20 MIN	FSAR TABLE 3.11-2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: LEVEL TRANSMITTER								
PLANT NUMBER: LT FW 1123A	TEMPERATURE	269 DEG F	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#-10MIN 55#- 8HRS 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	INSTRUMENT LOCATION: C-2A
MODEL AND SERIAL NUMBER: 1153DA4	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	NA	
SERVICE DESCRIPTION: STM GEN DOWN-COMER LEVEL								
FUNCTION: INPUT TO EFAS & STEAM DUMP	CHEMICAL SPRAY	1750-2150 PPM BDR AS	BORIC ACID (15000PPM) & NAOH SOL. PH:5.0-9.0	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEOUS TYPE TEST	NA	GENERIC FILE: EQ-IC-1
ACCURACY SPECIFIED:	RADIATION	GAMMA: 33 MRAD BETA: 327 MRAD	44 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - CC DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	NA	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 30 MIN. POST DBA	NOT EVALUATED	FSAR PARAGRAHP 3.11-1	N/A	SUPP. ANALY- SIS	YES	
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.								
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A	
ABOVE FLOOD LEVEL: YES								
COORDINATES: SE; COL 11/12	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:							PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFIED FOR INTERIM USE	EQ-IC-1							CHECKER : TC 07/30/82 DATE
								SYSTEM: FEEDWATER
								QDEF SHEET NO. -0160

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: FEEDWATER	! OPERATING TIME	!! 30 MIN.	! TEST DURATION 64 HOURS 20 MIN	! FSAR TABLE 3.11-2	! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	! SIMULT ANEIOUS TYPE TEST	! ----	! QUALIFIED LIFE IS:
COMPONENT: LEVEL TRANSMITTER	! TEMPERATURE	!! 269 DEG	! 135OF-10MIN! 1303F- 8HRS! 125OF-56HRS! 120F-	! LOCA/MSLB PROFILE TABLE 2	! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	! SIMULT ANEIOUS TYPE TEST	! N/A	! MAINTENANCE / REPLACEMENT SCHD:
PLANT NUMBER: LT FW 1123B	! PRESSURE	!! 44 PSIG	! 120#-10MIN! 55#- 8HRS! 15#-56HRS	! LOCA/MSLB PROFILE TABLE 2	! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	! SIMULT ANEIOUS TYPE TEST	! N/A	! INSTRUMENT LOCATION: C-2B
MANUFACTURER: ROSEMOUNT INCORPORATED	! RELATIVE HUMIDITY	!! 100%	! 100% (STEAM)	! FSAR TABLE 3.11-1	! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	! SIMULT ANEIOUS TYPE TEST	! NA	!
MODEL AND SERIAL NUMBER: 1153DA4	! CHEMICAL SPRAY	!! 1750-2150 PPM BOR AS	! BORIC ACID ((15000PPM) & NAOH SOL. 10.5PH@77F!	! FSAR TABLE 3.11-1	! ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	! SIMULT ANEIOUS TYPE TEST	! NA	! GENERAL FILE: EQ-IC-1
SERVICE DESCRIPTION: STM GEN DOWN-COMER LEVEL	! RADIATION	!! GAMMA= 33 MRAD BETA= 327 MRAD	! 144 MEGARAD! TOTL. INTE- GRATED GAMMA DOSE!	! RADIATION MAPS ZONE - CC DWG. G-144!	! ROSEMOUNT REPORT NO. 3788; PP 7-10	! SIMULT ANEIOUS TYPE TEST	! NA	!
FUNCTION: INPUT TO EFAS & STEAM DUMP	! AGING	!! 40 YEARS PLUS 30 MIN. POST DBA	! NOT EVALUATED	! FSAR PARAGRAHP 3.11-1	! N/A	! SUPP. ANALY- SIS	! YES	!
ACCURACY SPECIFIED:	! SUBMER- GENCE	!! NONE	! N/A	! N/A	! N/A	! N/A	! N/A	!
ACCURACY DEMONS.:	! LOCATION: CONT BUILDING ELEVATION: +21.0 FT.	!! 30 MIN. POST DBA	!	!	!	!	!	!
FLOOD LEVEL EL: +0.5 FEET	! ABOVE FLOOD LEVEL: YES	!!	!	!	!	!	!	!
COORDINATES: SE: COL 8/9	! INDEX FOR INCONSISTENCY!							!
ENVIRON'T IS HARSH	! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	! (IF REQUIRED) !							! REVISION NO.-01
QUALIF STATUS: QUALIFIED FOR INTERIM USE	! O ! T ! P ! H ! C ! R ! A ! S !							! PREPARER: MR 07/30/82 DATE
	! REFERENCES:							! CHECKER : TC 07/30/82 DATE
	! EQ-IC-1							! SYSTEM: FEEDWATER
	!							! QDEF SHEET NO.-0161

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: FEEDWATER	OPERATING TIME	30 MIN.	TEST DURATION 64 HOURS 20 MIN	FSAR TABLE 3.11-2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: LEVEL TRANSMITTER								
PLANT NUMBER: LT FW 1123C	TEMPERATURE	269 DEGF	1350F-10MIN 1303F- 8HRS 1250F-56HRS 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#-10MIN 55#- 8HRS 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	INSTRUMENT LOCATION: C-2C
MODEL AND SERIAL NUMBER: 1153DA4	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	NA	
SERVICE DESCRIPTION: STM GEN DOWN-COMER LEVEL								
FUNCTION: INPUT TO EFAS & STEAM DUMP	CHEMICAL SPRAY	1750-2150 PPM BOR AS BORIC ACID & NAOH SOL. PH:5.0-9.0	BORIC ACID ((15000PPM) & NAOH SOL. 10.5PH@77F)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEOUS TYPE TEST	NA	GENERIC FILE: EQ-IC-1
ACCURACY SPECIFIED:	RADIATION	GAMMA: 33 MRAD BETA: 327 MRAD	44 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - CC DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	NA	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 30 MIN. POST DBA	NOT EVALUATED	FSAR PARAGRAHP 3.11-1	N/A	SUPP. ANALY- SIS	YES	
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.								
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A	
COORDINATES: SE; COL 7/8	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFIED FOR INTERIM USE				REFERENCES:				SYSTEM: FEEDWATER
	EQ-IC-1							QDEF SHEET NO.-0162

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: FEEDWATER	OPERATING TIME	30 MIN.	TEST DURATION 64 HOURS 20 MIN	FSAR TABLE 3.11-2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: LEVEL TRANSMITTER								
PLANT NUMBER: LT FW 1123D	TEMPERATURE	269 DEG F	350F-10MIN 303F-8HRS 250F-56HRS 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#-10MIN 55#-8HRS 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A	INSTRUMENT LOCATION: C-2D
MODEL AND SERIAL NUMBER: 1153DA4	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	NA	
SERVICE DESCRIPTION: STM GEN DOWN-COMER LEVEL	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM) 8NAOH SOL 10.5PH@77F	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEIOUS TYPE TEST	NA	GENERIC FILE: EQ-IC-1
ACCURACY SPECIFIED:	RADIATION	GAMMA: 33 MRAD BETA: 327 MRAD	44 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - CC DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	NA	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 30 MIN. POST DBA	NOT EVALUATED	FSAR PARAGRAHP 3.11-1	N/A	SUPP. ANALY- SIS	YES	
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A	
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES								
COORDINATES: NE; COL 5/6	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:							PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFIED FOR INTERIM USE	EQ-IC-1							CHECKER : TC 07/30/82 DATE
								SYSTEM: FEEDWATER
								QDEF SHEET NO.-0163

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	METHOD	TENCY ANALYZED	
SYSTEM: FEEDWATER	OPERATING TIME	120 DAYS	TEST	FSAR TABLE 3.11-2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	QUALIFIED LIFE IS:
COMPONENT: LEVEL TRANSMITTER	TEMPERATURE	150 DEG F POST-DBA	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	TEMP MAP G-137	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	MAINTENANCE / REPLACEMENT SCHD:
PLANT NUMBER: FT FW 8330AS	PRESSURE	1 ATMOS	120#-10MIN 55#- 8HRS 15#-56HRS	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	INSTRUMENT LOCATION: C-39
MANUFACTURER: ROSEMOUNT INCORPORATED	RELATIVE HUMIDITY	20-90%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	GENERIC FILE: EQ-IC-1
MODEL AND SERIAL NUMBER: 1153DA5	CHEMICAL SPRAY	NONE	BORIC ACID ((15000PPM) &NAOH SOL. 10.5PH@77F)	N/A	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEIOUS TYPE TEST	
SERVICE DESCRIPTION: EMERG. FW TO SG1 FLOW	RADIATION	10,000 RAD	44 MEGARAD	RADIATION MAPS ZONE - A	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A
FUNCTION: INPUT INDICATOR	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY- SIS	YES
ACCURACY SPECIFIED:	LOCATION: AUX BUILDING	120 DAYS POST DBA					
ACCURACY DEMONS.:	ELEVATION: -35.0 FT.						
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A
ABOVE FLOOD LEVEL: N/A							
COORDINATES: L-K;4A-5A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)		OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO							PREPARER:MR 07/30/82 DATE
QUALIF STATUS: QUALIFIED TO IEEE-323-1971							CHECKER :TC 07/30/82 DATE
							SYSTEM:FEEDWATER
							QDEF SHEET NO.-0164

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: FEEDWATER	! OPERATING TIME	!! 120 DAYS	! TEST DURATION	! FSAR TABLE	! ROSEMOUNT REPORT NO.	! SIMULT ANEODUS	! N/A	! QUALIFIED LIFE IS:
COMPONENT: FLOW TRANSMITTER	!	!!	! 164 HOURS	! 3.11-2	! 3788;PP 21	! TYPE TEST	!	!
PLANT NUMBER: FT FW 833OBS	! TEMPERATURE	!! 104 DEG POST-DBA	! 350F-10MIN	! TEMP MAP	! ROSEMOUNT REPORT NO.	! SIMULT ANEODUS	! N/A	! MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	! PRESSURE	!! 1 ATMOS	! 120#-10MIN	! FSAR TABLE	! ROSEMOUNT REPORT NO.	! SIMULT ANEODUS	! N/A	! INSTRUMENT(S) LOCATION: C-35B
MODEL AND SERIAL NUMBER: 1153DA5	! RELATIVE HUMIDITY	!! 20-90%	! 100% (STEAM)	! FSAR TABLE	! ROSEMOUNT REPORT NO.	! SIMULT ANEODUS	! N/A	! GENERIC FILE: EQ-IC-1
SERVICE DESCRIPTION: EMERG. FW TO SG2 FLOW	! CHEMICAL SPRAY	!! NONE	! BORIC ACID ((15000PPM) & NAOH SOL. 10.5PH@77F)	! N/A	! ROSEMOUNT REPORT NO.	! SIMULT ANEODUS	! N/A	!
FUNCTION: INPUT INDICATOR	! RADIAT	!! 800 OORAD	! 144 MEGARAD	! RADIATION MAPS	! ROSEMOUNT REPORT NO.	! SEQ'L TYPE	! N/A	!
ACCURACY SPECIFIED:	! AGING	!! 40 YEARS PLUS	! NOT EVALUATED	! FSAR PARAGRAPH	! N/A	! SUPP. ANALY-	! YES	!
ACCURACY DEMONS.:	! SUBMERGENCE	!! NONE	! N/A	! N/A	! N/A	! N/A	! N/A	!
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	! INDEX FOR INCONSISTENCY	! ANALYSIS IN WORKFILE (IF REQUIRED)	! OTHER EQUIPMENT THIS QDEF APPLIES TO:	! REFERENCES:	!	!	!	! REVISION NO.-01
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	! EQUIPMENT EXEMPT FROM QUALIFICATION: NO	! QUALIF STATUS: QUALIFIED TO IEEE-323-1971	! EQ-IC-1	!	!	!	!	! PREPARER: MR 07/30/82 DATE
								! CHECKER : TC 07/30/82 DATE
								! SYSTEM: FEEDWATER
								! QDEF SHEET NO.-0165

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: FEEDWATER	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	QUALIFIED LIFE IS:	
COMPONENT: PRESSURE TRANSMITTER			164 HOURS	3.11-2	FIG.1	TEST			
PLANT NUMBER: PT FW 8322AS	TEMPERATURE	104 DEGF POST-DBA	350F-10MIN 303F- 8HRS 250F-56HRS	TEMP MAP G-137	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	120#-10MIN 55#- 8HRS	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	INSTRUMENT LOCATION: C-35A	
MODEL AND SERIAL NUMBER: 1153GA9			15#-56HRS	3.11-1	FIG.1	TEST			
SERVICE DESCRIPTION: EFB A DISCH PRES	RELATIVE HUMIDITY	20-90%	100% (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A		
FUNCTION: CR INDICATOR INPUT	CHEMICAL SPRAY	NONE	BORIC ACID (15000PPM) &NAOH SOL. 10.5PH@77F	N/A	ROSEMOUNT REPORT NO. 3788;PP 15	SIMULT ANEOUS	N/A	GENERIC FILE: EQ-IC-1	
ACCURACY SPECIFIED:	RADIATION	800,000 RAD	44 MEGARAD TOTL. INT-GRATED	RADIATION MAPS ZONE - C	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE	N/A		
ACCURACY DEMONS.:			GAMMA DOSE	DWG. G-134					
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY-	YES		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	/A			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-K;5A-6A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	REFERENCES:								PREPARER:MR 07/30/82 DATE
QUALIF STATUS: QUALIFIED TO IEEE-323-1971	EQ-IC-1								CHECKER :TC 07/30/82 DATE
									SYSTEM:FEEDWATER
									QDEF SHEET NO. -0166

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: FEEDWATER	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	N/A	QUALIFIED LIFE IS:	
COMPONENT: PRESSURE TRANSMITTER			64 HOURS	3.11-2	3788;PP 21	TEST			
			120 MINS.		FIG.1				
PLANT NUMBER: PT FW 8322BS	TEMPERATURE	104 DEGF	350F-10MIN	TEMP MAP	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	N/A	MAINTENANCE / REPLACEMENT SCHD:	
		POST-DBA	250F-56HRS	G-137	3788;PP 21	TEST			
			120F-		FIG.1				
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	120#-10MIN	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	N/A	INSTRUMENT LOCATION: C-35B	
			55#- 8HRS	3.11-1	3788;PP 21	TEST			
MODEL AND SERIAL NUMBER: 1153GA9			15#-56HRS		FIG.1				
SERVICE DESCRIPTION: EFB B DISCH PRES	RELATIVE HUMIDITY	20-90%	100% (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	N/A		
				3.11-1	3788;PP 21	TEST			
					FIG.1				
FUNCTION: CR INDICATOR INPUT	CHEMICAL SPRAY	NONE	BORIC ACID (15000PPM)	N/A	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	N/A	GENERIC FILE: EQ-IC-1	
			8NAOH SOL.		3788;PP 15	TEST			
			10.5PH@77F		PARA. 5.6				
ACCURACY SPECIFIED:	RADIATION	800,000 RAD	44 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO.	SEQ'L TYPE	N/A		
			TOTL. INTE-GRATED	ZONE - C	3788;	TEST			
ACCURACY DEMONS.:			GAMMA DOSE	DWG. G-137	PP 7-10				
	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARAGRAPH	N/A	SUPP. ANALY-	YES		
LOCATION: AUX BUILDING		120 DAYS		3.11.1		SIS			
ELEVATION: -35.0 FT.		POST DBA							
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	/A			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-K;5A-6A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	REFERENCES:								PREPARER:MR 07/30/82
QUALIF STATUS: QUALIFIED TO IEEE-323-1971									DATE
									CHECKER :TC 07/30/82
									DATE
									SYSTEM:FEEDWATER
									QDEF SHEET NO.-0167

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION			QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY	ANALYZED	
SYSTEM: FEEDWATER	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO. 3788; PP 21 FIG. 1	SIMULT ANEOUS TYPE TEST	N/A	QUALIFIED LIFE IS:	
COMPONENT: PRESSURE TRANSMITTER			64 HOURS	3.11-2					
PLANT NUMBER: PT FW83225	TEMPERATURE	130 DEGF POST DBA	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	TEMP MAP G-137	ROSEMOUNT REPORT NO. 3788; PP 21 FIG. 1	SIMULT ANEOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	120#- 10MIN 55#- 8HRS 15#-56HRS	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788; PP 21 FIG. 1	SIMULT ANEOUS TYPE TEST	N/A	INSTRUMENT LOCATION: C-38	
MODEL AND SERIAL NUMBER: 1153GA9	RELATIVE HUMIDITY	20-90%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788; PP 21 FIG. 1	SIMULT ANEOUS TYPE TEST	N/A	GENERIC FILE: EQ-IC-1	
SERVICE DESCRIPTION: EFP A/B DISCH PRESSURE	CHEMICAL SPRAY	NONE	BORIC ACID (15000PPM) & NAOH SOL. 10.5PH@77F	N/A	ROSEMOUNT REPORT NO. 3788; PP 15 PARA. 5.6	SIMULT ANEOUS TYPE TEST	N/A		
ACCURACY SPECIFIED:	RADIATION	10,000 RAD	44 MEGARAD	RADIATION MAPS ZONE - A	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY- SIS	YES		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	INDEX FOR INCONSISTENCY!								
COORDINATES: L-K;3A-4A	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:					
ENVIRON'T IS HARSH								REVISION NO. -01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: MR 07/30/82 DATE	
QUALIF STATUS: QUALIFIED TO ILL-E-323-1971				REFERENCES:				CHECKER : TC 07/30/82 DATE	
	EQ-IC-1							SYSTEM: FEEDWATER	
								QDEF SHEET NO. -0168	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	! OPERATING TIME	!! 120 DAYS	! TEST DURATION	! FSAR TABLE	! ROSEMOUNT REPORT NO.	! SIMULT ANEOUS	! N/A	! QUALIFIED LIFE IS:
COMPONENT: DIFFER.PRESS. TRANSMITTER	! !	!!	! 64 HOURS 120 MIN.	! 3.11-2	! 3788;PP 21 FIG.1	! TYPE TEST	!	!
PLANT NUMBER: DPT HV5051AS	! TEMPRAT-URE	!! 104 DEGF POST-DBA	! 135OF-10MIN! 303F- 8HRS! 25OF-56HRS! 120F-	! TEMP MAP G-134	! ROSEMOUNT REPORT NO.	! SIMULT ANEOUS	! N/A	! MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	! PRESSURE	!! 1 ATMOS	! 120#-10MIN! 55#- 8HRS! 15#-56HRS!	! FSAR TABLE 3.11-1	! ROSEMOUNT REPORT NO.	! SIMULT ANEOUS	! N/A	! GENERIC FILE: EQ-IC-1
MODEL AND SERIAL NUMBER: 1153DA3	! HUMIDITY	!! 20%-90%	! 100% ((STEAM))	! FSAR TABLE	! ROSEMOUNT REPORT NO.	! SIMULT ANEOUS	! N/A	!
SERVICE DESCRIPTION: SHIELD BUILD TR VENTIL SYS A DP	! !	!!	! !	! 3.11-1	! 3788;PP 21 FIG.1	! TYPE TEST	!	!
FUNCTION: CR RECORDER,ALR INTERLOCK INPUT	! CHEMICAL SPRAY	!! NONE	! BORIC AOID ((15000PPM)) &NAOH SOL. 10.5PH@77F!	! N/A	! ROSEMOUNT REPORT NO.	! SIMULT ANEOUS	! N/A	!
ACCURACY SPECIFIED:	! RADIATION	!! 2.5 MRAD	! 44 MEGARAD! TOTL.INTE-GRATED! GAMMA DOSE!	! RADIATION MAPS ZONE - M DWG. G-134!	! ROSEMOUNT REPORT NO.	! SEQ'L TYPE TEST	! N/A	!
ACCURACY DEMONS.:	! AGING	!! 40 YEARS PLUS 120 DAYS POST DBA	! NOT EVALUATED	! FSAR PARAGRAPH 3.11.1	! N/A	! SUPP. ANALY-SIS	! YES	!
LOCATION: AUX BUILDING ELEVATION: +46 FT.	! SUBMER-GENCE	!! NONE	! N/A	! N/A CABLE	! N/A	! N/A	! N/A	!
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	! !	!!	! !	! !	! !	! !	! !	!
COORDINATES: L-K; 3A-4A	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
ENVIRON'T IS HARSH	! (IF REQUIRED)							! REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	! O! T! P!							! PREPARER:MR 07/30/82 DATE
QUALIF STATUS: QUALIFIED TO IEEE-323-1971	! H! R! A! S!							! CHECKER :TC 07/30/82 DATE
	! EQ-IC-1							! SYSTEM:H & V EQUIP. ROOM VENTIL'TN
	! S!							! QDEF SHEET NO. -0169

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	TEST	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21 FIG. 1	SIMULT ANEOUS	N/A	QUALIFIED LIFE IS:
COMPONENT: DIFFER.PRESS. TRANSMITTER			64 HOURS	3.11-2		TYPE TEST		
PLANT NUMBER: DPT HV5051BS	TEMPERATURE	104 DEGF POST-DBA	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	TEMP MAP G-134	ROSEMOUNT REPORT NO. 3788;PP 21 FIG. 1	SIMULT ANEOUS	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	120#-10MIN 55#- 8HRS 15#-56HRS	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG. 1	SIMULT ANEOUS	N/A	GENERIC FILE: EQ-IC-1
MODEL AND SERIAL NUMBER: 1153DA3	RELATIVE HUMIDITY	20%-90%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG. 1	SIMULT ANEOUS	N/A	
SERVICE DESCRIPTION: SHIELD BUILD TR VENTIL SYS B DP								
FUNCTION: CR RECORDER, ALR INTERLOCK INPUT	CHEMICAL SPRAY	NONE	BORIC ACID (15000PPM) & NAOH SOL. 10.5PH@77F	N/A	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEOUS	N/A	
ACCURACY SPECIFIED:	RADIATION	2.5 MRAD	44 MEGARAD	RADIATION MAPS ZONE - M	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY-SIS	YES	
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A	
COORDINATES: L-K; 7A-8A	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NJ								REVISION NO. -01
QUALIF STATUS: QUALIFIED TO IEEE-323-1971								PREPARER: MR 07/30/82 DATE
								CHECKER : TC 07/30/82 DATE
								SYSTEM: H & V EQUIP. ROOM VENTIL'TN
								QDEF SHEET NO. -0170

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	TEST DURAT ION 64 HRS	FSAR TABLE 3.11-2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A	QUALIFIED LIFE IS:	
COMPONENT: DIFFER.PRESS. TRANSMITTER									
PLANT NUMBER: DPT HV5054AS	TEMPERATURE	135 DEG F POST DBA	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	TEMPERATURE MAP G144	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	120#-10MIN 55#- 8HRS 15#-56HRS	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A	INSTRUMENT LOCATION: C-3A	
MODEL AND SERIAL NUMBER: 1153DA3	RELATIVE HUMIDITY	20%-90%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A	GENERIC FILE: EQ-IC-1	
SERVICE DESCRIPTION: SHLP.BLDG.VENT SYS A ANN TO AM	CHEMICAL SPRAY	NONE	BORIC ACID (15000PPM) 8NAOH SOL. 10.5PH@77F	N/A	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEIOUS TYPE TEST	N/A		
ACCURACY SPECIFIED:	RADIATION	190 RAD	44 MEGARAD TOTL.INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - EE DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARA- GRAPH 3.11.1	N/A	SUPP. ANALY- SIS	YES		
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.	SUBMER- GENCE	NONE	N/A	N/A	N/A	N/A	N/A		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A									
COORDINATES: M-L;4A-5A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01	
ENVIRON'T IS HARSH								PREPARER:MR 07/30/82 DATE	
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								CHECKER :TC 07/30/82 DATE	
QUALIF STATUS: QUALIFIED TO IEEE-323-1971	REFERENCES:							SYSTEM:H & V EQUIP. ROOM VENTIL'TN	
	EQ-IC-1								QDEF SHEET NO.-0171

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION			QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	TEST DURATION 64 HRS	FSAR TABLE 3.11-2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A	QUALIFIED LIFE IS:	
COMPONENT: DIFFER.PRESS. TRANSMITTER			20 MIN						
PLANT NUMBER: DPT HV5054BS	TEMPERATURE	104 DEG F POST DBA	350F-10MIN 303F-8HRS 250F-56HRS 120F-	TEMPERATURE MAP DWG.G-144	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHED:	
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	120#-10MIN 55#-8HRS 15#-56HRS	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A	INSTRUMENT LOCATION: C-3B GENERIC FILE: EQ-IC-1	
MODEL AND SERIAL NUMBER: 1153DA3	RELATIVE HUMIDITY	20%-90%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A		
SERVICE DESCRIPTION: SHLP.BLDG.VENT SYS A ANN TO AM	CHEMICAL SPRAY	NONE	BORIC ACID (15000PPM) & NAOH SOL. 10.5PH@77F	N/A	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEIOUS TYPE TEST	N/A		
ACCURACY SPECIFIED:	RADIATION	190 RAD	44 MEGARAD TOTL.INTE-GRATED GAMMA DOSE	RADIATION MAPS ZONE - EE	ROSEMOUNT REPORT NO. 3788; PP 7-10 DWG. G-144	SEQ'L TYPE TEST	N/A		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARA-GRAPH 3.11.1	N/A	SUPP. ANALY-SIS	YES		
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A									
COORDINATES: M:9A-10A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:					
ENVIRON'T IS HARSH								REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								PREPARER:MR 07/30/82 DATE	
QUALIF STATUS: QUALIFIED TO IEEE-323-1971					REFERENCES:			CHECKER :TC 07/30/82 DATE	
	EQ-IC-1							SYSTEM:H & V EQUIP. ROOM VENTIL'TN QDEF SHEET NO.-0172	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES		
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.					
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	TEST DURATION 64 HOURS	FSAR TABLE 3.11-2	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEODUS TYPE TEST	N/A	QUALIFIED LIFE IS:		
COMPONENT: DIFF. PRESS. TRANSMITTER			MIN		FIG.1					
PLANT NUMBER: DPT HV 5153AS	TEMPERATURE	269 DEGF	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEODUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:		
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#-10MIN 55#- 8HRS 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEODUS TYPE TEST	N/A			
MODEL AND SERIAL NUMBER: 1153DA3	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEODUS TYPE TEST	N/A			
SERVICE DESCRIPTION: CONT FAN CLR AH-1 (3C-SA)					FIG.1			GENERIC FILE: EQ-IC-1		
FUNCTION: RECORDER, INPUT	CHEMICAL SPRAY	1750-2500 PPM BOR AS	BORIC ACID (15000PPM) &NAOH SOL. PH:5.0-9.0	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 15	SIMULT ANEODUS TYPE TEST	N/A			
ACCURACY SPECIFIED:	RADIATION	GAMMA= 133 MRAD BETA= 1327 MRAD	44 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - CC DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A			
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY- SIS	YES			
LOCATION: CONT. BUILDING ELEVATION: +2.0 FT.										
FLOOD LEVEL EL: +0.5 FEET	SUBMER- GENCE	NONE	N/A	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: YES										
COORDINATES: NW; COL 23	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO.-01	
ENVIRON'T IS HARSH									PREPARER: MR 07/30/82 DATE	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									CHECKER : TC 07/30/82 DATE	
QUALIF STATUS: QUALIFIED FOR INTERIM USE									SYSTEM: H & V EQUIP. ROOM VENTIL'TN	
	EQ-IC-1									QDEF SHEET NO.-0175

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION			QUALIFIC.	INCONSIS-	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY	ANALYZED	
SYSTEM:	H & V EQUIP. ROOM VENTIL'TN	! OPERATING TIME	!! 120 DAYS	! TEST DURATION	! FSAR TABLE 3.11-2	! ROSEMOUNT REPORT NO. 3788;PP 21	! SIMULT ANEOUS	! N/A	! QUALIFIED LIFE IS:	
COMPONENT:	DIFFER.PRESS. TRANSMITTER	!	!!	! 64 HOURS	!	! FIG.1	! TEST	!	!	
PLANT NUMBER:	DPT HV 5153BS	! TEMPERATURE	!! 269DEGF	! 350F-10MIN	! LOCA/MSLB PROFILE	! ROSEMOUNT REPORT NO. 3788;PP 21	! SIMULT ANEOUS	! N/A	! MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ROSEMOUNT INCORPORATED	! PRESSURE	!! 144 PSIG	! 120#-10MIN	! LOCA/MSLB PROFILE	! ROSEMOUNT REPORT NO. 3788;PP 21	! SIMULT ANEOUS	! N/A	! GENERIC FILE: EQ-IC-1	
MODEL AND SERIAL NUMBER:	1153DA3	!	!!	! 15#-56HRS	! TABLE 2	! FIG.1	! TEST	!	!	
SERVICE DESCRIPTION:	CONT FAN CLR AH-1 (3D-SB)	! RELATIVE HUMIDITY	!! 100%	! 100% (STEAM)	! FSAR TABLE 3.11.1	! ROSEMOUNT REPORT NO. 3788;PP 21	! SIMULT ANEOUS	! N/A	!	
FUNCTION:	CR RECORDER INPUT	! CHEMICAL SPRAY	!! 1750-2500 PPM BOR AS	! BORIC ACID (15000PPM)	! FSAR TABLE 3.11-1	! ROSEMOUNT REPORT NO. 3788;PP 15	! SIMULT ANEOUS	! N/A	!	
ACCURACY SPECIFIED:		!	!! PH:5.0-9.0	! 10.5PH@77F	!	! PARA. 5.6	! TEST	!	!	
ACCURACY DEMONS.:		! RADIATION	!! GAMMA= 33 MRAD	! 44 MEGARAD	! RADIATION MAPS	! ROSEMOUNT REPORT NO. 3788;	! SEQ'L TYPE	! N/A	!	
LOCATION:	CONT. BUILDING	!	!! BETA= 327 MRAD	! GRATED	! ZONE - CC	! DWG. G-145	! PP 7-10	!	!	
ELEVATION:	+25.0 FT.	! AGING	!! 40 YEARS PLUS	! NOT EVALUATED	! FASP PARAGRAPH	! N/A	! SUPP. ANALY-	! YES	!	
FLOOD LEVEL EL:	+0.5 FEET	!	!! 120 DAYS POST DBA	!	! 3.11-1	!	! SIS	!	!	
ABOVE FLOOD LEVEL:	YES	! SUBMERGENCE	!! NONE	! N/A	! N/A	! N/A	! N/A	! N/A	!	
COORDINATES:	NW; CCL 23	! INDEX FOR INCONSISTENCY!								!
ENVIRON'T IS HARSH		! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:								!
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO	! (IF REQUIRED)								!
QUALIF STATUS:	QUALIFIED FOR INTERIM USE	O! T! P! H! C! R! A! S!								!
		REFERENCES:								!
		EQ-IC-1								!
		REVISION NO.-01								!
		PREPARER: MR 07/30/82								!
		DATE								!
		CHECKER : TC 07/30/82								!
		DATE								!
		SYSTEM: H & V EQUIP.								!
		ROOM VENTIL'TN								!
		QDEF SHEET NO.-0176								!

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	QUALIFIED LIFE IS:
COMPONENT: DIFFER.PRESS. TRANSMITTER		164 HOURS	20 MINS	3.11-2	FIG.1	TEST		
PLANT NUMBER: DPT HV 5158AS	TEMPERATURE	269 DEGF	350F-10MIN	LOCA/MSLB PROFILE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	144 PSIG	120#-10MIN	LOCA/MSLB PROFILE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	INSTRUMENT LOCATION:
MODEL AND SERIAL NUMBER: 1153DA3			55#-8HRS	TABLE 2	FIG.1	TEST		GENERIC FILE: EQ-IC-1
SERVICE DESCRIPTION: CONT FAN CLR AH-1 (3A-SA)	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	
FUNCTION: CR RECORDER	CHEMICAL SPRAY	1750-2500 PPM BDR AS	BORIC ACID ((15000PPM) & NAOH SOL.	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 15	SIMULT ANEOUS	N/A	
ACCURACY SPECIFIED:		PH:5.0-9.0	10.5PH@77F		PARA. 5.6	TEST		
ACCURACY DEMONS.:	RADIATION	GAMMA= 133 MRAD	44 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO. 3788;	SEQ'L TYPE	N/A	
		BETA= 1327 MRAD	GAMMA DOSE	ZONE - CC DWG. G-144	PP 7-10	TEST		
	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARAGRAPH 3.11-1	N/A	SUPP. ANALY-	YES	
LOCATION: CONT BUILDING ELEVATION: +25.0 FT.		120 DAYS POST DBA				SIS		
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A	
ABOVE FLOOD LEVEL: YES								
COORDINATES: NOR-WES;COL	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								REVISION NO.-01
QUALIF STATUS: QUALIFIED FOR INTERIM USE								PREPARER:MR 07/30/82 DATE
								CHECKER :TC 07/30/82 DATE
								SYSTEM:H & V EQUIP. ROOM VENTIL'TN
								QDEF SHEET NO.-0177

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	TEST	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEQUEUS		QUALIFIED LIFE IS:	
COMPONENT:	DIFFER. PRESS. TRANSMITTER		164 HOURS	120 MIN		FIG. 1	TEST			
PLANT NUMBER:	DPT HV 5158BS	TEMPERATURE	269 DEGF	1350F-10MIN	LOCA/MSLB PROFILE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEQUEUS	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#-10MIN	LOCA/MSLB PROFILE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEQUEUS	N/A	INSTRUMENT LOCATION:	
MODEL AND SERIAL NUMBER:	1153DA3	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEQUEUS	N/A	EQ-IC-1	
SERVICE DESCRIPTION:	CONT FAN CLR AH-1 (3B-SB)					FIG. 1	TEST			
FUNCTION:	CR RECORDER INPUT	CHEMICAL SPRAY	1750-2500 PPM BOR AS	BORIC ACID ((15000PPM) &NAOH SOL.	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 15	SIMULT ANEQUEUS	N/A		
ACCURACY SPECIFIED:			PH:5.0-9.0	10.5PH@77F		PARA. 5.6	TEST			
ACCURACY DEMONS.:		RADIATION	GAMMA= 133 MRAD	144 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TEST	N/A		
LOCATION:	CONT. BUILDING ELEVATION: +6.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY- SIS	YES		
FLOOD LEVEL EL:	+0.5 FEET	SUBMER- GENCE	NONE	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL:	YES									
COORDINATES:	NOR-EAST;COL3	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
ENVIRON'T IS HARSH									PREPARER:MR 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION:NO									DATE	
QUALIF STATUS: QUALIFIED FOR INTERIM USE					REFERENCES:				CHECKER :TC 07/30/82	
									DATE	
									SYSTEM:H & V EQUIP. ROOM VENTIL'TN	
									QDEF SHEET NO.-0178	

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION			QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEOUS	N/A	QUALIFIED LIFE IS:	
COMPONENT:	DIFFER. PRESS. TRANSMITTER			164 HOURS 120 MIN	3.11-2	3788;PP 21 FIG.1	TYPE TEST			
PLANT NUMBER:	DPT HV 5257AS	TEMPERATURE	104 DEG F POST-DBA	350F-10MIN 1303F- 8HRS 250F-56HRS 120F-	TEMPERATURE MAP	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	1ATMOS	120#-10MIN 55#- 8HRS 15#-56HRS	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	GENERIC FILE: EQ-IC-1	
MODEL AND SERIAL NUMBER:	1153DA3	RELATIVE HUMIDITY	20%-90%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A		
SERVICE DESCRIPTION:	CONT. VENT. AREA SYS. FLT. TR	CHEMICAL SPRAY	NONE	BORIC ACID (15000PPM) &NAOH SOL. 10.5PH@77F	NOT APPLIED	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEOUS TYPE TEST	N/A		
ACCURACY SPECIFIED:		RADIATION	2.5 MRAD	44 MEGARAD TOTL. INTE-GRATED GAMMA DOSE	RADIATION MAPS ZONE - M DWG. G-134	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A		
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARRAGRAPH 3.11.1	N/A	SUPP. ANALY- SIS	YES		
LOCATION:	AUX BUILDING	SUBMER- GENCE						XXXX		
ELEVATION:	+50.0 FT.									
FLOOD LEVEL EL:	N/A FEET									
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	K;6A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE OTHER EQUIPMENT THIS QDEF APPLIES TO: (IF REQUIRED)								REVISION NO.-01
ENVIRON'T IS HARSH										
EQUIPMENT EXEMPT FROM QUALIFICATION:NO									PREPARER:MR 07/30/82 DATE	
QUALIF STATUS:									CHECKER :TC 07/30/82 DATE	
QUALIFIED TO IEEE-323-1971									SYSTEM:H & V EQUIP. ROOM VENTIL'TN	
									QDEF SHEET NO.-0179	

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEQUOUS		QUALIFIED LIFE IS:	
COMPONENT:	DIFFER.PRESS. TRANSMITTER			164 HOURS	3.11-2	FIG.1	TEST			
PLANT NUMBER:	DPT HV 5257BS HV	TEMPERATURE	104 DEGF	1350F-10MIN	TEMPERATURE MAP	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEQUOUS	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	1ATM	120#-10MIN	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEQUOUS	N/A	GENERIC FILE: EQ-IC-1	
MODEL AND SERIAL NUMBER:	1153DA3			15#-56HRS	3.11-1	FIG.1	TEST			
SERVICE DESCRIPTION:	CONT.VENT.AR SY FLT.TRN B PRES	RELATIVE HUMIDITY	20%-90%	100% (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEQUOUS	N/A		
FUNCTION:	INPUT RECORDER INTERLOCK,ALARM	CHEMICAL SPRAY	NONE	BORIC ACID ((15000PPM) & NaOH SOL. 10.5PH@77F)	NOT APPLIED CABLE	ROSEMOUNT REPORT NO. 3788;PP 15	SIMULT ANEQUOUS	N/A		
ACCURACY SPECIFIED:		RADIATION	2.5 MRAD	144 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TEST	N/A		
ACCURACY DEMONS.:				GAMMA DOSE	DWG. G-134					
LOCATION:	AUX BUILDING	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARAGRAPH	N/A	SUPP. ANALY-	YES		
ELEVATION:	+50.0 FT.		120 DAYS POST DBA		3.11.1		SIS			
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	K:6A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO		REFERENCES:								PREPARER:MR 07/30/82
QUALIF STATUS: QUALIFIED TO IEEE-323-1971										CHECKER :TC 07/30/82
										DATE
										SYSTEM:H & V EQUIP. ROOM VENTIL'TN
										QDEF SHEET NO.-0180

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	QUALIFIED LIFE IS:	
COMPONENT: DIFFER.PRESS. TRANSMITTER			64 HOURS 120 MIN	3.11-2					
PLANT NUMBER: DPT HV 525BAS	TEMPERATURE	135 DEG POST-DBA	135OF-10MIN 1303F- 8HRS 125OF-56HRS 120F-	TEMPERATURE MAP G 144	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	120#-10MIN 55#- 8HRS 15#-56HRS	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	INSTRUMENT LOCATION:C-3A	
MODEL AND SERIAL NUMBER: 1153DA3	RELATIVE HUMIDITY	20%-90%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	GENERIC FILE: EQ-IC-1	
SERVICE DESCRIPTION: CONT.AMB DIFF PRES									
FUNCTION: CR ALARM & INTERLOCK INPUT	CHEMICAL SPRAY	NONE	BORIC ACID (15000PPM) & NAOH SOL. 10.5PH@77F	NOT APPLICABLE	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEOUS TYPE TEST	N/A		
ACCURACY SPECIFIED:	RADIATION	190 RAD	44 MEGARAD	RADIATION MAPS ZONE - EE	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A		
ACCURACY DEMONS.:									
LOCATION: AUX BUILDING ELEVATION: +21.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALYSIS	YES		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A		
COORDINATES:L-M, 4A-5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:							PREPARER:MR 07/30/82 DATE	
QUALIF STATUS: QUALIFIED TO IEEE-323-1971	EQ-IC-1								CHECKER :TC 07/30/82 DATE
									SYSTEM:H & V EQUIP. ROOM VENTIL'TN QDEF SHEET NO.-0181

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION			QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEODUS	N/A	QUALIFIED LIFE IS:	
COMPONENT:	DIFFER. PRESS. TRANSMITTER			64 HOURS 20 MIN	3.11-2	3788;PP 21 FIG.1	TEST			
PLANT NUMBER:	DPT HV 5258BS	TEMPERATURE	104 DEGF POST-DBA	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	TEMP MAP G-144	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEODUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	120#-10MIN 55#- 8HRS 15#-56HRS	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEODUS TYPE TEST	N/A	INSTRUMENT LOCATION:C-3B	
MODEL AND SERIAL NUMBER:	1153DA3	RELATIVE HUMIDITY	20%-90%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEODUS TYPE TEST	N/A	GENERIC FILE. EQ-IC-1	
SERVICE DESCRIPTION:	CONT AMBIENT DIFF PRESSURE									
FUNCTION:	CR ALARM & INTERLOCK INPUT	CHEMICAL SPRAY	NONE	BORIC ACID (15000PPM) 8NAOH SOL. 10.5PH@77F	N/A	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEODUS TYPE TEST	N/A		
ACCURACY SPECIFIED:		RADIATION	190 RAD	44 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - EE DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A		
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY- SIS	YES		
LOCATION:	AUX BUILDING									
ELEVATION:	+21.0 FT.									
FLOOD LEVEL EL:	N/A FEET	SUBMER- GENCE	N/A	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	M:9A-10A	INDEX FOR INCONSISTENCY!								
ENVIRON'T IS MILD		ANALYSIS IN WORKFILE (IF REQUIRED)								
EQUIPMENT EXEMPT FROM QUALIFICATION:NO		OTHER EQUIPMENT THIS QDEF APPLIES TO:								
QUALIF STATUS: QUALIFIED TO IEEE-323-1971		REFERENCES:								
		EQ-IC-1							REVISION NO -01	
									PREPARER:MR 07/30/82 DATE	
									CHECKER :TC 07/30/82 DATE	
									SYSTEM:H & V EQUIP. ROOM VENTIL'TN	
									QDEF SHEET NO. -0182	

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY	
							ANALYZED		
SYSTEM:	H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	!! 120 DAYS	! TEST DURATION	! FSAR TABLE	! ROSEMOUNT REPORT NO.	! SIMULT ANEIOUS	! N/A	! QUALIFIED LIFE IS:
COMPONENT:	PRESUPE TRANSMITTER		!!	! 64 HOURS 120 MIN	! 3.11-2	! 3788;PP 21 FIG.1	! TEST		
PLANT NUMBER:	PT MS 8340S	TEMPERATURE	!! 130 DEGF POST-DBA	! 350F-10MIN! 303F- 8HRS! 250F-56HRS! 120F-	! TEMPERATURE MAP	! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	! SIMULT ANEIOUS	! N/A	! MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	!! 1 ATMOS	! 120#-10MIN! 55#- 8HRS! 15#-56HRS!	! FSAR TABLE 3.11-1	! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	! SIMULT ANEIOUS	! N/A	! INSTRUMENT LOCATION:C-38
MODEL AND SERIAL NUMBER:	1153GA9	RELATIVE HUMIDITY	!! 20%-90%	! 100% (STEAM)	! FSAR TABLE 3.11-1	! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	! SIMULT ANEIOUS	! N/A	! GENERIC FILE: EQ-IC-1
SERVICE DESCRIPTION:	MS TO EMEK'S. SG FW PUMP TURBINE		!!						
FUNCTION:	CR INDICATOR INPUT	CHEMICAL SPRAY	!! NONE	! BORIC ACID! ((15000PPM)! 8NAOH SOL.!	! NOT APPL- ICABLE	! ROSEMOUNT REPORT NO. 3788;PP 15	! SIMULT ANEIOUS	! N/A	
ACCURACY SPECIFIED:			!!	! 10.5PH@77F!		! PARA. 5.6	! TEST		
ACCURACY DEMONS.:		RADIATION	!! 10000 RAD	! 44 MEGARAD! TOTL. INTE- GRATED	! RADIATION MAPS ZONE - A	! ROSEMOUNT REPORT NO. 3788; PP 7-10	! SEQ'L TYPE	! N/A	
LOCATION:	AUX BUILDING	AGING	!! 40 YEARS PLUS	! NOT EVALUATED	! FSAR PARAGRAPH 3.11.1	! N/A	! SUPP. ANALY-	! YES	
ELEVATION:	-35.0 FT.		!! 120 DAYS POST DBA				! SIF		
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	!! NONE	! N/A	! N/A	! N/A	! N/A	! N/A	
ABOVE FLOOD LEVEL:	N/A		!!						
COORDINATES:	K-L; 3A-4A	! INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH		! ANALYSIS IN WORKFILE (IF REQUIRED)							! REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO	! OTHER EQUIPMENT THIS QDEF APPLIES TO:							! PREPARER:MR 07/30/82
QUALIF STATUS:	QUALIFIED TO IEEE-323-1971	! REFERENCES:							! CHECKER :TC 07/30/82
		! EQ-IC-1							! DATE
									! SYSTEM:H & V EQUIP. ROOM VENTIL'TN
									! QDEF SHEET NO. -0185

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION			QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
SYSTEM:	MAIN STEAM	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
COMPONENT:	FLOW TRANSMITTER	OPERATING TIME	120 DAYS	TEST DURATION 164 HOURS 120 MIN	FSAR TABLE 3.11-2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEODUS TYPE TEST	N/A	QUALIFIED LIFE IS:	
PLANT NUMBER:	FT MS 0300AS	TEMPERATURE	269 DEGF	135OF-10MIN 1303F- 8HRS 125OF-56HRS 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEODUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	44PSIG	120#-10MIN 55#- 8HRS 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEODUS TYPE TEST	N/A	INSTRUMENT LOCATION: C-1A	
MODEL AND SERIAL NUMBER:	1153DA5	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEODUS TYPE TEST	N/A	GENERIC FILE: EQ-IC-1	
SERVICE DESCRIPTION:	MN STM FLOW FROM SG1	CHEMICAL SPRAY	1750-2500 PPM BOR AS	BORIC ACID (15000PPM) 8NADH SOL. 10.5PH@77F	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEODUS TYPE TEST	N/A	NON CLASS 1E DEVICE	
FUNCTION:	CR INDICATOR INDICATOR	RADIATION	GAMMA= 133 M RADS BETA= 330 M RADS	44 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - DWG. G-	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A	R.G. 1.97 CLASS 2 CATEGORY	
ACCURACY SPECIFIED:		AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY- SIS	YES		
ACCURACY DEMONS.:		SUBMER- GENCE	NONE	N/A	N/A	N/A	N/A	N/A		
LOCATION:	CONT BUILDING	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ELEVATION:	+21.0 FT.	OTHER EQUIPMENT THIS QDEF APPLIES TO:								
FLOOD LEVEL EL:	+0.5 FEET	O! T! P! H! C! R! A! S!								
ABOVE FLOOD LEVEL:	YES	REFERENCES:								
COORDINATES:	SW COL14-15	EQ-IC-1								
ENVIRON'T IS HARSH		REVISION NO.-01								
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		PREPARER: MR 07/30/82 DATE								
QUALIF STATUS: QUALIFIED FOR INTERIM USE		CHECKER : TC 07/30/82 DATE								
		SYSTEM: MAIN STEAM								
		QDEF SHEET NO.-0186								

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: MAIN STEAM	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE 3.11-2	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	QUALIFIED LIFE IS:
COMPONENT: FLOW TRANSMITTER			164 HOURS		FIG. 1	TEST		
PLANT NUMBER: FT MS 0300A5	TEMPERATURE	269 DEGF	350F-10MIN	LOCA/MSLB PROFILE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED			120#- 8HRS	TABLE 2	FIG. 1	TEST		
MODEL AND SERIAL NUMBER: 1153DA5	PRESSURE	144PSIG	120#- 10MIN	LOCA/MSLB PROFILE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	INSTRUMENT LOCATION: C-1A
SERVICE DESCRIPTION: MN STM FLOW FROM SG1	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	EQ-IC-1 NON CLASS 1E DEVICE R.G. 1.97 CLASS 2 CATEGORY
FUNCTION: CR INDICATOR INDICATOR	CHEMICAL SPRAY	1750-2500 PPM BOR AS	BORIC ACID (15000PPM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 15	SIMULT ANEOUS	N/A	
ACCURACY SPECIFIED:			PH: 5.0-9.0		PARA. 5.6	TEST		
ACCURACY DEMONS.:	RADIATION	GAMMA= 33 M RADS	44 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TEST	N/A	
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY-SIS	YES	
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A	
ABOVE FLOOD LEVEL: YES								
COORDINATES: SW COL14-15	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS HARSH	(IF REQUIRED)							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: MR 07/30/82
QUALIF STATUS: QUALIFIED FOR INTERIM USE								DATE
	REFERENCES:							CHECKER :TC 07/30/82
	EQ-IC-1							DATE
								SYSTEM: MAIN STEAM
								QDEF SHEET NO.-0186

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		* QUALIFIC. METHOD	* INCONSIS- TENCY ANALYZED	* NOTES		
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.					
SYSTEM: MAIN STEAM	! OPERATING TIME	!! 120 DAYS	! TEST DURATION	! FSAR TABLE 3.11-2	! ROSEMOUNT REPORT NO. 3788;PP 21	! SIMULT ANEIOUS	! N/A	! QUALIFIED LIFE IS:		
COMPONENT: FLOW TRANSMITTER	! !	! !	! 64 HOURS 120 MIN	! !	! FIG. 1	! TEST	! !	! !		
PLANT NUMBER: FT MS 0300BS	! TEMPERAT- URE	!! 269 DEGF	! 350F-10MIN! 303F- 8HRS! 250F-56HRS!	! LOCA/MSLB PROFILE TABLE 2	! ROSEMOUNT REPORT NO. 3788;PP 21	! SIMULT ANEIOUS	! N/A	! MAINTENANCE / REPLACEMENT SCHD:		
MANUFACTURER: ROSEMOUNT INCORPORATED	! PRESSURE	!! 44PSIG	! 120#-10MIN! 55#- 8HRS! 15#-56HRS!	! LOCA/MSLB PROFILE TABLE 2	! ROSEMOUNT REPORT NO. 3788;PP 21	! SIMULT ANEIOUS	! N/A	! INSTRUMENT LOCATION: C-2B		
MODEL AND SERIAL NUMBER: 1153DA5	! !	! !	! !	! !	! FIG. 1	! TEST	! !	! GENERIC FILE: EQ-IC-1		
SERVICE DESCRIPTION: MN STM FLOW FROM SG2	! RELATIVE HUMIDITY	!! 100%	! 100% (STEAM)	! FSAR TABLE 3.11-1	! ROSEMOUNT REPORT NO. 3788;PP 21	! SIMULT ANEIOUS	! N/A	! NON CLASS 1E DEVICE		
FUNCTION: CR INDICATOR INDICATOR	! CHEMICAL SPRAY	!! 1750-2500 PPM BOR AS	! BORIC ACID (15000PPM) & NAOH SOL. !	! FSAR TABLE 3.11-1	! ROSEMOUNT REPORT NO. 3788;PP 15	! SIMULT ANEIOUS	! N/A	! R.G. 1.97 CLASS 2 VARIABLE		
ACCURACY SPECIFIED: ACCURACY DEMONS.:	! RADIATION	!! GAMMA= 133 M RADS ! BETA= 330 M RADS	! 44 MEGARAD! TOTL. INTE- GRATED ! GAMMA DOSE!	! RADIATION MAPS ZONE - DWG. G-	! ROSEMOUNT REPORT NO. 3788; PP 7-10	! SEQ'L TYPE TEST	! N/A	! !		
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.	! AGING	!! 40 YEARS PLUS 120 DAYS POST DBA	! NOT EVALUATED	! FSAR PARAGRAPH 3.11.1	! N/A	! SUPP. ANALY- SIS	! YES	! !		
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	! SUBMER- GENCE	!! NONE	! N/A	! N/A	! N/A	! N/A	! N/A	! !		
COORDINATES: SE COL 8-9	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:						! !	! !	! !	
ENVIRON'T IS HARSH	! (IF REQUIRED)						! !	! !	! REVISION NO. -01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	! O! ! T! ! P! ! H! ! C! ! R! ! A! ! S!						! !	! !	! PREPARER: MR 07/30/82 DATE	
QUALIF STATUS: QUALIFIED FOR INTERIM USE	! EQ-IC-1	! REFERENCES:						! !	! !	! CHECKER : TC 07/30/82 DATE
								! SYSTEM: MAIN STEAM	! QDEF SHEET NO. -0187	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: MAIN STEAM	OPERATING TIME	REAC PROT: 30 MIN.	TEST DURATION:	FSAR TABLE	ROSEMOUNT	SIMULT ANEQUEUS	N/A	QUALIFIED LIFE IS:	
COMPONENT: PRESSURE TRANSMITTER		POST ACDNT: 64 HR	MON: 36 HR & 20 MIN.	3.11-2	3788;PP 21	TYPE TEST			
PLANT NUMBER: PT MS 1023A	TEMPERATURE	350F-10MIN	LOCA/MSLB	ROSEMOUNT	SIMULT ANEQUEUS	N/A		MAINTENANCE / REPI 'CEMENT SCHD:	
		269 DEGF	303F- 8HRS	PROFILE	REPORT NO.	TYPE			
			250F-56HRS	TABLE 2	3788;PP 21	TEST			
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	120#-10MIN	LOCA/MSLB	ROSEMOUNT	SIMULT ANEQUEUS	N/A			
		44 PSIG	55#- 8HRS	PROFILE	REPORT NO.	TYPE		INSTRUMENT	
			15#-56HRS	TABLE 2	3788;PP 21	TEST		LOCATION:C-2A	
MODEL AND SERIAL NUMBER: 1153GA9				FIG.1	TEST			GENERIC FILE: EQ-IC-1	
SERVICE DESCRIPTION: STM GEN 2 PRESSURE	RELATIVE HUMIDITY	100 %	100% (STEAM)	3.11-1	3788;PP 21	TYPE TEST			
					FIG.1				
FUNCTION: PPS & PAC SYSTEM INPUT	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM)	FSAR TABLE	ROSEMOUNT	SIMULT ANEQUEUS	N/A		
			8NAOH SOL.	3.11-1	3788;PP 15	TYPE			
		PH:5.0-9.0	10.5PH@77F		PARA. 5.6	TEST			
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRADS	44 MEGARAD	RADIATION	ROSEMOUNT	SEQ'L	N/A		
		BETA= 327 MRADS	TOTL. INTE- GRATED	MAPS	REPORT NO.	TYPE			
			GAMMA DOSE	ZONE - CC	3788	TEST			
ACCURACY DEMONS.:			DWG. G-144	PP 7-10					
	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARAGRAPH	N/A	SUPP. ANALY- SIS	YES		
LOCATION: CONT BUILDING		36 HOURS		3.11.1					
ELEVATION: +21 FT.		POST DBA							
FLOOD LEVEL EL: +0.5 FEET	SUBMER- GENCE	NONE	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: YES									
COORDINATES:N-E COL 11/12	INDEX FOR INCONSISTENCY!								
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								REVISION NO.-01	
QUALIF STATUS: QUALIFIED FOR INTERIM USE								PREPARER:MR 07/30/82	
								DATE	
								CHECKER :TC 07/30/82	
								DATE	
								SYSTEM:MAIN STEAM	
	EQ-IC-1								QDEF SHEET NO.-0188

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: MAIN STEAM	! OPERATING TIME	!! REAC PROT: 30 MIN.;	! TEST DURATION:	! FSAR TABLE	! ROSEMOUNT REPORT NO.	! SIMULT ANEOUS	! N/A	! QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER	! POST ACDNT	!! MON: 36 HR	! 64 HR. & 20 MIN.	! 3.11-2	! 3788;PP 21 FIG.1	! TEST	!	!
PLANT NUMBER: PT MS 1023B	! TEMPERATURE	!! 269 DEGF	! 135OF-10MIN; 1303F- 8HRS; 125OF-56HRS; 120F-	! LOCA/MSLB PROFILE TABLE 2	! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	! SIMULT ANEOUS	! N/A	! MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	! PRESSURE	!! 44 PSIG	! 120#-10MIN; 55#- 8HRS; 15#-56HRS	! LOCA/MSLB PROFILE TABLE 2	! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	! SIMULT ANEOUS	! N/A	! INSTRUMENT LOCATION:C-2B
MODEL AND SERIAL NUMBER: 1153GA9	! HUMIDITY	!! 100 %	! 100% (STEAM)	! FSAR TABLE	! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	! SIMULT ANEOUS	! N/A	! GENERIC FILE: EQ-IC-1
SERVICE DESCRIPTION: STM GEN 2 PRESSURE	! CHEMICAL SPRAY	!! 1750-2150 PPM BOR AS	! BORIC ACID (15000PPM); &NAOH SOL.; 10.5PH@77F	! FSAR TABLE	! ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	! SIMULT ANEOUS	! N/A	!
ACCURACY SPECIFIED:	! RADIATION	!! GAMMA= 33 MRADS	! 44 MEGARAD; TOTL. INTE- GRATED	! RADIATION MAPS	! ROSEMOUNT REPORT NG. 3788;	! SEQ'L TYPE	! N/A	!
ACCURACY DEMONS.:	! AGING	!! 40 YEARS PLUS	! NOT EVALUATED	! FSAR PARAGRAPH	! N/A	! SUPP. ANALY-	! YES	!
LOCATION: CONT BUILDING	! ELEVATION: +21.0 FT.	!! 36 HOURS POST DBA	!	! 3.11.1	!	! SIS	!	!
FLOOD LEVEL EL: +0.5 FEET	! SUBMERGENCE	!! NONE	! N/A	! N/A	! N/A	! N/A	! N/A	!
ABOVE FLOOD LEVEL: YES	!	!!	!	!	!	!	!	!
COORDINATES: S-E; COL 11/12	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			! OTHER EQUIPMENT THIS QDEF APPLIES TO:			!	!
ENVIRON'T IS HARSH	!	!	!	!	!	!	!	! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	!	!	!	!	!	!	!	! PREPARER: MR 07/30/82
QUALIF STATUS: QUALIFIED FOR INTERIM USE	!	!	!	!	!	!	!	! DATE
	!	!	!	!	!	!	!	! CHECKER : TC 07/30/82
	!	!	!	!	!	!	!	! DATE
	!	!	!	!	!	!	!	! SYSTEM: MAIN STEAM
	!	!	!	!	!	!	!	!
	!	!	!	!	!	!	!	! QDEF SHEET NO.-0189

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	MAIN STEAM	OPERATING TIME	REAC PROT: 30 MIN.;	TEST DURATION: 64 HR. & 20 MIN.	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21 FIG. 1	SIMULT ANEODUS TEST	N/A	QUALIFIED LIFE IS:	
COMPONENT:	PRESSURE TRANSMITTER				3.11-2					
PLANT NUMBER:	PT MS 1023C	TEMPERATURE	269 DEGF	350F-10MIN; 303F- 8HRS; 250F-56HRS; 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG. 1	SIMULT ANEODUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#-10MIN; 55#- 8HRS; 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG. 1	SIMULT ANEODUS TYPE TEST	N/A	LOCATION: C-2C	
MODEL AND SERIAL NUMBER:	1153GA9	RELATIVE HUMIDITY	100 %	100% (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21 FIG. 1	SIMULT ANEODUS TYPE TEST	N/A	GENERIC FILE: EQ-IC-1	
SERVICE DESCRIPTION:	STM GEN 2 PRESSURE				3.11-1					
FUNCTION:	PPS & PAC SYSTEM INPUT	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (1500PPM) & NAOH SOL. PH:5.0-9.0	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEODUS TYPE TEST	N/A		
ACCURACY SPECIFIED:		RADIATION	GAMMA= 133 MRADS	44 MEGARAD; TOTL. INTE- GRATED	RADIATION MAPS ZONE - CC	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A		
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 36 HOURS	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY- SIS	YES		
LOCATION:	CONT BUILDING ELEVATION: +21.0 FT.									
FLOOD LEVEL:	EL: +0.5 FEET	SUBMER- GENCE	NONE	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL:	YES									
COORDINATES:	S-E; COL 7-8	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO	REFERENCES:								PREPARER: MR 07/30/82 DATE
QUALIF STATUS:	QUALIFIED FOR INTERIM USE									CHECKER : TC 07/30/82 DATE
										SYSTEM: MAIN STEAM
										QDEF SHEET NO. -0190

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: MAIN STEAM	OPERATING TIME	REAC PROT: 30 MIN.	TEST DURATION: 64 HR.	FSAR TABLE 3.11-2	ROSEMOUNT REPORT NO. 3788; PP 21	SIMULT ANEOUS	N/A	QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER		POST ACDNT MON: 36 HR	8 20 MIN.		FIG. 1	TEST		
PLANT NUMBER: PT MS 1023D	TEMPERATURE	269 DEGF	350F-10MIN 303F-8HRS 250F-56HRS 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788; PP 21	SIMULT ANEOUS	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#-10MIN 55#-8HRS 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788; PP 21	SIMULT ANEOUS	N/A	LOCATION: C-2D
MODEL AND SERIAL NUMBER: 1153GA9	RELATIVE HUMIDITY	100 %	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788; PP 21	SIMULT ANEOUS	N/A	GENERIC FILE: EQ-IC-1
SERVICE DESCRIPTION: STM GEN 2 PRESSURE					FIG. 1	TEST		
FUNCTION: PPS & PAC SYSTEM INPUT	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM) & NAOH SOL.	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788; PP 15	SIMULT ANEOUS	N/A	
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRADS BETA= 327 MRADS	44 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - CC DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L	N/A	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 36 HOURS	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY- SIS	YES	
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.								
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMER- GENCE	NONE	N/A	N/A	N/A	N/A	N/A	
COORDINATES: N-E; COL 5/6	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:							PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFIED FOR INTERIM USE								CHECKER : TC 07/30/82 DATE
	EQ-IC-1							SYSTEM: MAIN STEAM
								QDEF SHEET NO. -0191

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: REACTOR COOLANT	OPERATING TIME	30 MIN.	TEST DURATION 64 HOURS 2C MIN	FSAR TABLE 3.11-2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULTANEOUS TEST	N/A	QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER								
PLANT NUMBER: PT RC 0101A (PT 101A)	TEMPERATURE	269 DEG F	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULTANEOUS TEST	N/A	MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#-10MIN 55#- 8HRS 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULTANEOUS TEST	N/A	INSTRUMENT LOCATION: C-1A
MODEL AND SERIAL NUMBER: 1153GA9	RELATIVE HUMIDITY	100%	(STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULTANEOUS TEST	N/A	GENERIC FILE: EQ-IC-2
SERVICE DESCRIPTION: PRESSURIZER PRESSURE								
FUNCTION: INPUT TO RPS & SIAS	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM) &NAOH SOL. 10.5PH@77F	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULTANEOUS TEST	N/A	
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 M RADS BETA= 327 M RADS	44 MEGARAD TOTL. INTEGRATED GRATED GAMMA DOSE	RADIATION MAPS ZONE - CC DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQUAL TYPE TEST	N/A	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 30 MIN. POST DBA	NOT EVALUATED	FSAR PARAGRAPH PIT 3.11.1	N/A	SUPP. ANALYSIS	YES	
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.								
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	N/A	N/A	
ABOVE FLOOD LEVEL: YES								
COORDINATES: S-W; COL. 14-15	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFIED FOR INTERIM USE								CHECKER : TC 07/30/82 DATE
	EQ-IC-1			REFERENCES:				SYSTEM: REACTOR COOLANT QDEF SHEET NO. -0192

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: REACTOR COOLANT	OPERATING TIME	30 MIN.	TEST DURATION 64 HOURS 20 MIN.	FSAR TABLE 3.11-2	ROSEMOUNT REPORT NO. 3788; PP 21 FIG. 1	SIMULT ANEQUEUS TYPE TEST	N/A	QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER								
PLANT NUMBER: PT RC 0101B (PT 101B)	TEMPERATURE	269 DEGF	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788; PP 21 FIG. 1	SIMULT ANEQUEUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#-10MIN 55#- 8HRS 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788; PP 21 FIG. 1	SIMULT ANEQUEUS TYPE TEST	N/A	INSTRUMENT LOCATION: C-1B GENERIC FILE: EQ-IC-2
MODEL AND SERIAL NUMBER: 1153GA9	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788; PP 21 FIG. 1	SIMULT ANEQUEUS TYPE TEST	N/A	
SERVICE DESCRIPTION: PRESSURIZER PRESSURE								
FUNCTION: INPUT TO RPS & SIAS	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM) & NAOH SOL. 10.5PH@77F	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788; PP 15 PARA. 5.6	SIMULT ANEQUEUS TYPE TEST	N/A	
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 M RADS BETA= 327 M RADS	44 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - CC DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 30 MIN. POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY- SIS	YES	
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.								
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMER- GENCE	NONE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	N/A	N/A	
COORDINATES: S-W; COL. 15-16	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH							REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO							PREPARER: MR 07/30/82 DATE	
QUALIF STATUS: QUALIFIED FOR INTERIM USE							CHECKER : TC 07/30/82 DATE	
	REFERENCES:						SYSTEM: REACTOR COOLANT	
	EQ-IC-1						QDEF SHEET NO.-0193	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: REACTOR COOLANT	OPERATING TIME	30 MIN.	TEST DURATION 64 HOURS	FSAR TABLE 3.11-2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG. 1	SIMULT ANEOUS TEST	N/A	QUALIFIED LIFE IS:	
COMPONENT: PRESSURE TRANSMITTER	TEMPERATURE	269 DEG F	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG. 1	SIMULT ANEOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:	
PLANT NUMBER: PT RC 0101C (PT 101C)	PRESSURE	44 PSIG	120#-10MIN 55#- 8HRS 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG. 1	SIMULT ANEOUS TYPE TEST	N/A	INSTRUMENT LOCATION: C-1C	
MANUFACTURER: ROSEMOUNT INCORPORATED	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG. 1	SIMULT ANEOUS TYPE TEST	N/A	GENERRIC FILE: EQ-IC-2	
MODEL AND SERIAL NUMBER: 1153GA9	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM) &NAOH SOL. PH:5.0-9.0	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEOUS TYPE TEST	N/A		
SERVICE DESCRIPTION: PRESSURIZER PRESSURE	RADIATION	GAMMA= 133 M RADS BETA= 1327 M RADS	44 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - CC DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A		
FUNCTION: INPUT TO RPS & SIAS	AGING	40 YEARS PLUS 30 MIN. POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY- SIS	YES		
ACCURACY SPECIFIED:	SUBMER- GENCE	NONE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	N/A	N/A		
ACCURACY DEMONS.:	INDEX FOR INCONSISTENCY	ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.	ENVIRUN'T IS HARSH	O! T! P! H! C! R! A! S!						REFERENCES:	REVISION NO. -01
FLOOD LEVEL EL: +0.5 FEET	EQUIPMENT EXEMPT FROM QUALIFICATION:NO								PREPARER:MR 07/30/82 DATE
ABOVE FLOOD LEVEL: YES	QUALIF STATUS: QUALIFIED FOR INTERIM USE								CHECKER :TC 07/30/82 DATE
									SYSTEM: REACTOR COOLANT
									QDEF SHEET NO. -0194

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: REACTOR COOLANT	OPERATING TIME	30 MIN.	TEST DURATION 64 HOURS 20 MIN	FSAR TABLE 3.11-2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A	QUALIFIED LIFE IS:	
COMPONENT: PRESSURE TRANSMITTER									
PLANT NUMBER: PT RC 0101D (PT 101D)	TEMPERATURE	269 DEGF	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#-10MIN 55#- 8HRS 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A	INSTRUMENT LOCATION: C-1D	
MODEL AND SERIAL NUMBER: 1153GA9	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEIOUS TYPE TEST	N/A	GENERIC FILE: EQ-IC-2	
SERVICE DESCRIPTION: PRESSURIZER PRESSURE	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM) 8NAOH SOL. 10.5PH@77F	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEIOUS TYPE TEST	N/A		
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 M RADS BETA= 327 M RADS	144 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - CC DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 30 MIN. POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY- SIS	YES		
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.	SUBMER- GENCE	NONE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	N/A	N/A		
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES									
COORDINATES: S-W; COL. 17-18	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:								PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFIED FOR INTERIM USE	EQ-IC-1								CHECKER : TC 07/30/82 DATE
									SYSTEM: REACTOR COOLANT
									QDEF SHEET NO. -0195

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER			164 HOURS		FIG.1	TEST		
PLANT NUMBER: PT RC 102A (PT 102A)	TEMPERATURE	269 DEGF	1350F-10MIN	LOCA/MSLB PROFILE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#-10MIN	LOCA/MSLB PROFILE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	INSTRUMENT(S) LOCATION: C-1A
MODEL AND SERIAL NUMBER: 1153GA9			15#-56HRS	TABL R 2	FIG.1	TEST		GENERIC FILE: EQ-IC-2
SERVICE DESCRIPTION: PRESSURIZER PRESSURE	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE 3.11.1	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEIOUS	N/A	
FUNCTION: DEC.TO CONT,SIS O2R ESTABL.SDC	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID ((15000PPM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 15	SIMULT ANEIOUS	N/A	
ACCURACY SPECIFIED:			PH:5.0-9.0		PARA. 5.6	TEST		
ACCURACY DEMONS.:	RADIATION	GAMMA= 33 M RADS	44 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO. 3788;	SEQ'L TYPE	N/A	
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.		BETA= 327 M RADS	GRATED	ZONE - CC	PP 7-10	TEST		
FLOOD LEVEL EL: +0.5 FEET	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY-	YES	
ABOVE FLOOD LEVEL: YES		POST DBA				SIS		
	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A	
COORDINATES: S/W: COL 14/15	INDEX FOR INCONSISTENCY!			OTHER EQUIPMENT THIS QDEF APPLIES TO:			REVISION NO.-01	
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)						PREPARER: MR 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO							DATE	
QUALIF STATUS: QUALIFIED FOR INTERIM USE				REFERENCES:			CHECKER :TC 07/30/82	
							DATE	
	EQ-IC-1						SYSTEM: REACTOR	
							COOLANT	
							QDEF SHEET NO.-0196	

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	REACTOR COOLANT	! OPERATING TIME	!! 120 DAYS	! TEST DURATION	! FSAR TABLE 3.11-1	! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	! SIMULT ANEOUS TYPE TEST	! N/A	! QUALIFIED LIFE IS:	
COMPONENT:	PRESSURE TRANSMITTER	!	!!	! 64 HOURS	!	!	!	!	!	
PLANT NUMBER:	PT RC 102B (PT 102B)	! TEMPERATURE	!! 269 DEGF	! 350F-10MIN	! LOCA/MSLB PROFILE TABLE 2	! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	! SIMULT ANEOUS TYPE TEST	! N/A	! MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ROSEMOUNT INCORPORATED	! PRESSURE	!! 144 PSIG	! 120#-10MIN	! LOCA/MSLB PROFILE TABLR 2	! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	! SIMULT ANEOUS TYPE TEST	! N/A	! INSTRUMENT(S) LOCATION: C-1B	
MODEL AND SERIAL NUMBER:	1153GA9	! RELATIVE HUMIDITY	!! 100%	! 100% (STEAM)	! FSAR TABLE 3.11.1	! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	! SIMULT ANEOUS TYPE TEST	! N/A	! GENERIC FILE: EQ-IC-2	
SERVICE DESCRIPTION:	PRESSURIZER PRESSURE	!	!!	!	!	!	!	!	!	
FUNCTION:	DEC.TO CONT.SIS O2R ESTABL.SDC	! CHEMICAL SPRAY	!! 1750-2150 PPM BOR AS	! BORIC ACID (15000PPM) & NAOH SOL.	! FSAR TABLE 3.11-1	! ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	! SIMULT ANEOUS TYPE TEST	! N/A	!	
ACCURACY SPECIFIED:		! RADIATION	!! GAMMA= 133 M RADS	! 44 MEGARAD	! RADIATION MAPS	! ROSEMOUNT REPORT NO. 3788; PP 7-10	! SEQ'L TYPE TEST	! N/A	!	
ACCURACY DEMONS.:		!	!! BETA= 327 M RADS	! GRATED GAMMA DOSE	! ZONE - CC DWG. G-144	!	!	!	!	
LOCATION:	CONT BUILDING	! AGING	!! 40 YEARS PLUS	! NOT EVALUATED	! FSAR PARAGRAPH 3.11.1	! N/A	! SUPP. ANALY- SIS	! YES	!	
ELEVATION:	+21.0 FT.	!	!! 120 DAYS POST DBA	!	!	!	!	!	!	
FLOOD LEVEL EL:	+0.5 FEET	! SUBMERGENCE	!! NONE	! N/A	! N/A	! N/A	! N/A	! N/A	!	
ABOVE FLOOD LEVEL:	YES	!	!!	!	!	!	!	!	!	
COORDINATES:	S/W:COL 15/16	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							!	!
ENVIRON'T IS HARSH		! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!	! REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO	!							!	! PREPARER: MR 07/30/82
QUALIF STATUS:	QUALIFIED FOR INTERIM USE	! REFERENCES:							!	! CHECKER : TC 07/30/82
		! EQ-IC-1	!	!	!	!	!	!	! SYSTEM: REACTOR COOLANT	
		!	!	!	!	!	!	!	! QDEF SHEET NO. -0197	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEODUS	N/A	QUALIFIED LIFE IS:	
COMPONENT: PRESSURE TRANSMITTER		120 MIN	164 HOURS	120 MIN	FIG. 1	TEST			
PLANT NUMBER: PT RC 102C (PT 102C)	TEMPERATURE	1269 DEGF	1350F-10MIN	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEODUS	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	144 PSIG	120#-10MIN	LOCA/MSLB PROFILE TABLR 2	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEODUS	N/A	INSTRUMENT(S) LOCATION: C-1C	
MODEL AND SERIAL NUMBER: 1153GA9			15#-56HRS	FIG. 1	FIG. 1	TEST		GENERIC FILE: EQ-IC-2	
SERVICE DESCRIPTION: PRESSURIZER PRESSURE	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE 3.11.1	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEODUS	N/A		
FUNCTION: DEC.TO CONT.SIS O2R ESTABL.SDC	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 15	SIMULT ANEODUS	N/A		
ACCURACY SPECIFIED:		PH:5.0-9.0	10.5PH@77F		PARA. 5.6	TEST			
ACCURACY DEMONS.:	RADIATION	GAMMA= 33 M RADS	44 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO. 3788;	SEQ'L TYPE	N/A		
		BETA= 327 M RADS	GRATED GAMMA DOSE	ZONE - CC DWG. G-144	PP 7-10	TEST			
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY-	YES		
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: YES									
COORDINATES: S/W; COL 16/17	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:								PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFIED FOR INTERIM USE	EQ-IC-1								CHECKER :TC 07/30/82 DATE
									SYSTEM: REACTOR COOLANT
									QDEF SHEET NO.-0198

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY		
							ANALYZED			
SYSTEM:	REACTOR COOLANT	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	QUALIFIED LIFE IS:	
COMPONENT:	PRESSURE TRANSMITTER			64 HOURS 120 MIN						
PLANT NUMBER:	PT RC 102D (PT 102D)	TEMPERATURE	269 DEGF	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	144 PSIG	120#-10MIN 55#- 8HRS 15#-56HRS	LOCA/MSLB PROFILE TABLR 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	INSTRUMENT(S) LOCATION: C-1D	
MODEL AND SERIAL NUMBER:	1153GA9								GENERIC FILE: EQ-IC-2	
SERVICE DESCRIPTION:	PRESSURIZER PRESSURE	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE 3.11.1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A		
FUNCTION:	DEC.TO CONT.SIS O2R ESTABL.SDC	CHEMICAL SPRAY	1750-2150 PPM BDR AS	BORIC ACID (15000PPM) &NAOH SOL. 10.5PH@77F	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEOUS TYPE TEST	N/A		
ACCURACY SPECIFIED:		RADIATION	GAMMA= 33 M RADS BETA= 327 M RADS	44 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - CC DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A		
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY- SIS	YES		
LOCATION:	CONT BUILDING									
ELEVATION:	+21.0 FT.									
FLOOD LEVEL EL:	+0.5 FEET	SUBMER- GENCE	NONE	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL:	YES									
COORDINATES:	S/W:COL 17/18	INDEX FOR INCONSISTENCY!								
ENVIRON'T IS HARSH		ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		OTHER EQUIPMENT THIS QDEF APPLIES TO:								PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFIED FOR INTERIM USE		REFERENCES:								CHECKER : TC 07/30/82 DATE
		EQ-IC-1							SYSTEM: REACTOR COOLANT	
									QDEF SHEET NO. -0199	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	N/A	QUALIFIED LIFE IS:	
COMPONENT: PRESSURE TRANSMITTER		64 HOURS	120 MIN	3.11-2	3788;PP 21 FIG.1	TEST			
PLANT NUMBER: PT RC 0103 (PT 103)	TEMPERATURE	269 DEGF	350F-10MIN	LOCA/MSLB PROFILE	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	N/A	MAINTENANCE / REPLACEMENT SCHO:	
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#-10MIN	LOCA/MSLB PROFILE	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	XXXX	INSTRUMENT(S) LOCATION: C-IA	
MODEL AND SERIAL NUMBER: 1153GA9			15#-56HRS	TABLE 2	3788;PP 21 FIG.1	TEST		GENERIC FILE: EQ-IC-2	
SERVICE DESCRIPTION: PRESSURIZER PRESSURE	RELATIVE HUMIDITY	100 %	100 % (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	N/A		
FUNCTION: RCS SUBCOOLING & SDC INITIATION	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM)	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	N/A		
ACCURACY SPECIFIED:		BORIC ACID PH:5.0-9.0	&NAOH SOL. 10.5PH@77F	3.11-1	3788;PP 15 PARA. 5.6	TEST			
ACCURACY DEMONS.:	RADIATION	GAMMA= 33 MRAD	44 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO.	SEQ'L TYPE	N/A		
LOCATION: CONT/W BUILDING ELEVATION: +21.0 FT.		BETA= 327 MRAD	GRATED GAMMA DOSE	ZONE - CC DWG. G-144	3788; PP 7-10	TEST			
FLOOD LEVEL EL: +0.5 FEET	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARAGRAPH	N/A	SUPP. ANALY-	YES		
ABOVE FLOOD LEVEL: YES		120 DAYS POST DBA		3.11.1		SIS			
	SUBMERGENCE	NONE	N/A	N/A	N/A		N/A		
COORDINATES: S COL 14/15	INDEX FOR INCONSISTENCY!								
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	OTHER EQUIPMENT THIS QDEF APPLIES TO:								PREPARER: M J7/30/82
QUALIF STATUS: QUALIFIED FOR INTERIM USE	REFERENCES:								DATE
	EQ-IC-1							CHECKER : TC 07/30/82	
								DATE	
								SYSTEM: REACTOR COOLANT	
								QDEF SHEET NO. -0200	

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	REACTOR COOLANT	OPERATING TIME	120 DAYS	TEST DURATION 64 HR	FSAR TABLE 3.11-2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TEST	N/A	QUALIFIED LIFE IS:
COMPONENT:	PRESSURE TRANSMITTER			120 MIN.					
PLANT NUMBER:	PT RC 0105 (PT 105)	TEMPERATURE	269 DEGF.	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG.	120#-10MIN 55#- 8HRS 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	INSTRUMENT(S) LOCATION: C-1C
MODEL AND SERIAL NUMBER:	1153GA9	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	GENERIC FILE: EQ-IC-2
SERVICE DESCRIPTION:	PRESSURIZER PRESSURE								
FUNCTION:	RCS SUBCOOLING & SDC INITIATION	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM) & NaOH SOL. PH:5.0-9.0	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEOUS TYPE TEST	N/A	
ACCURACY SPECIFIED:		RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD	44 MEGARAD TOTL. INTEGRATED GAMMA DOSE	RADIATION MAPS ZONE - CC DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A	
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS POST DBA	NOT EVALUATED	FSAR PARA-GRAPH. 3.11-1	N/A	SUPP. ANALY- SIS	YES	
LOCATION:	CONT'S BUILDING								
ELEVATION:	+21.0 FT.								
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A	
ABOVE FLOOD LEVEL:	YES								
COORDINATES:	W;COL 16/17	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE OTHER EQUIPMENT THIS QDEF APPLIES TO: (IF REQUIRED)							
ENVIRONMENT IS HARSH:									REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO								PREPARER: MR 07/30/82 DATE
QUALIF STATUS:	QUALIFIED FOR INTERIM USE				REFERENCES:				CHECKER : TC 07/30/82 DATE
		EQ-IC-1							SYSTEM: REACTOR COOLANT
									QDEF SHEET NO. -0201

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: REACTOR COOLANT	OPERATING TIME	36 HR. POST	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEOUS	N/A	QUALIFIED LIFE IS:
COMPONENT: LEVEL TRANSMITTER	ACCIDENT MONITORING	164 HOURS	20 MINS	3.11-2	3788;PP 21	TYPE TEST		
PLANT NUMBER: LT RC 0110X LT 110X	TEMPERATURE	269 DEGF	350F-10MIN	LOCA/MSLB PROFILE	ROSEMOUNT REPORT NO.	SIMULT ANEOUS	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	144 PSIG	120#-10MIN	LOCA/MSLB PROFILE	ROSEMOUNT REPORT NO.	SIMULT ANEOUS	N/A	INSTRUMENT(S) LOCATION: C-1A
MODEL AND SERIAL NUMBER: 1153HA5			15#-56HRS	TABLE 2	3788;PP 21	TYPE TEST		GENERIC FILE: EQ-IC-2
SERVICE DESCRIPTION: PRESSURIZER LEVEL	RELATIVE HUMIDITY	100 %	100 % (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEOUS	N/A	
FUNCTION: MONITOR&ADJUST RCS INVENTORY	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM)	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEOUS	N/A	
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD	44 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO.	SEQ'L TYPE	N/A	
ACCURACY DEMONS.:		BETA= 327 MRAD	GRATED GAMMA DOSE	ZONE - CC DWG. G-144	3788; PP 7-10	TEST		
LOCATION: CONT BUILDING ELEVATION: <+21. FT.	AGING	40 YEARS PLUS	NOT EVALUATED	FSAR PARAGRAPH	N/A	SUPP. ANALY-	YES	
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A	
ABOVE FLOOD LEVEL: YES								
COORDINATES: S-W; COL 14/1	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	QUALIF STATUS: QUALIFIED FOR INTERIM USE							REFERENCES:
	EQ-IC-1							REVISION NO.-01
								PREPARER: MR 07/30/82
								DATE
								CHECKER : TC 07/30/82
								DATE
								SYSTEM: REACTOR
								COOLANT
								QDEF SHEET NO.-0202

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	REACTOR COOLANT	OPERATING TIME	36 HR. POST	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEOUS	N/A	QUALIFIED LIFE IS:	
COMPONENT:	LEVEL TRANSMITTER	ACCIDENT MONITORING	64 HOURS 20 MIN		3.11-2	3788;PP 21 FIG.1	TEST			
PLANT NUMBER:	LT RC 0110Y LT 110Y	TEMPERATURE	269 DEGF	350F-10MIN 303F- 8HRS 250F-56HRS 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	120#-10MIN 55#- 8HRS 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A	INSTRUMENT(S) LOCATION: C-1B GENERIC FILE: EQ-IC-2	
MODEL AND SERIAL NUMBER:	1153HA5	RELATIVE HUMIDITY	100 %	100 % (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	SIMULT ANEOUS TYPE TEST	N/A		
SERVICE DESCRIPTION:	PRESSURIZER LEVEL	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM) &NAOH SOL. PH:5.0-9.0	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	SIMULT ANEOUS TYPE TEST	N/A		
ACCURACY SPECIFIED:		RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD	44 MEGARAD TOTL. INTE- GRATED GAMMA DOSE	RADIATION MAPS ZONE - CC DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A		
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 36 HOURS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	N/A	SUPP. ANALY- SIS	YES		
LOCATION:	CONT BUILDING	FLOOD LEVEL EL:	+0.5 FEET							
ELEVATION:	+21.0 FT.	ABOVE FLOOD LEVEL:	YES							
COORDINATES:	S-W;COL 15/16	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		REFERENCES:								PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFIED FOR INTERIM USE		EQ-IC-1							CHECKER : TC 07/30/82 DATE	
									SYSTEM: REACTOR COOLANT QDEF SHEET NO. -0203	

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	SAFETY INJECTION	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO	TYPE TEST	N/A	QUALIFIED LIFE IS:	
COMPONENT:	LEVEL TRANSMITTER			64 HOURS	3.11-2	117415				
PLANT NUMBER:	LT SI 0305A (LT 305A)	TEMPERATURE	115 DEG	350F-10MIN	TEMPERATURE	ROSEMOUNT REPORT NO.	TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	1ATM	120#-10MIN	FSAR TABLE	ROSEMOUNT REPORT NO.	TYPE TEST	N/A		
MODEL AND SERIAL NUMBER:	1152DP5A22PB	HUMIDITY	20%-90%	55#-8HRS	3.11-1	117415 SEC	TYPE TEST	N/A	INSTRUMENT LOCATION: C-26A	
SERVICE DESCRIPTION:	REF WTR STORAGE TK LVL			15#-56HRS		5.5 P9-P10			GENERIC FILE: EQ-CEIC-12	
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	NONE	N/A	NOT APPLICABLE	N/A	TYPE TEST	N/A	NOTE- (2) DRY-10 MIN. SATURATED STM- 1HR SATURATED STM- 7HR SATURATED STM-42HR	
ACCURACY SPECIFIED:		RADIATION	4.2 MRAD	5 MRADS	RADIATION MAPS	ROSEMOUNT REPORT NO.	TYPE TEST	N/A		
ACCURACY DEMONS.:					ZONE - U	117415 SEC				
LOCATION:	AUX BUILDING	AGING	140 YEARS	NONE	PARAGRAPH	NONE	SUPP. ANALYSIS	YES		
ELEVATION:	-15.0 FT.		120 DAYS		3.11.1					
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	J-K;9A-10A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		REFERENCES:								PREPARER: MR 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED										CHECKER :TC 07/30/82 DATE
										SYSTEM: SAFETY INJECTION
										QDEF SHEET NO.-0204

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	SAFETY INJECTION	OPERATING TIME	120 DAYS	10-50 BY TEST	FSAR TABLE	ROSEMOUNT REPORT NO 117415	TYPE TEST	N/A	QUALIFIED LIFE IS:	
COMPONENT:	LEVEL TRANSMITTER				3.11-2	117415				
PLANT NUMBER:	LT SI 0305B (LT 305B)	TEMPERATURE	115 DEGF POST DBA	135OF-10MIN 1316F- 1HR 1303F- 7HRS 1230F-42HRS	TEMPERATURE MAP	ROSEMOUNT REPORT NO. 117415 SEC 5.5 P9-P10	TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	1ATM	N/A	FSAR TABLE	N/A	TYPE TEST	N/A		
MODEL AND SERIAL NUMBER:	1152DP5A22PB	RELATIVE HUMIDITY	20%-90%	SEE NOTE (2)	FSAR TABLE	ROSEMOUNT REPORT NO. 117415 SEC 5.5 P9-P11	TYPE TEST	N/A	INSTRUMENT LOCATION: C- GENERIC FILE: EQ-CEIC-12	
SERVICE DESCRIPTION:	REF WTR STORAGE TK LVL				3.11-1	117415 SEC 5.5 P9-P11			NOTE - (2) DRY-10 MIN.	
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	NONE	N/A	NOT APPLICABLE	N/A	TYPE TEST	N/A	SATURATED STM- 1HR SATURATED STM- 7HR SATURATED STM-42HR	
ACCURACY SPECIFIED:		RADIATION	4.2 MRAD	5 MRADS	RADIATION MAPS	ROSEMOUNT REPORT NO. 117415 SEC 5.3 P5-P6	TYPE TEST	N/A		
ACCURACY DEMONS.:					ZONE - U DWG. G-137					
LOCATION:	AUX BUILDING	AGING	140 YRS.	NONE	FSAR PARAGRAPH	NONE	SUPP. ANALY- SIS	YES		
ELEVATION:	-35.0 FT.		+ 120 DAYS POST DBA		3.11.1					
FLOOD LEVEL EL:	N/A FEET	SUBMER- GENCE	NONE	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	J-K:8A-9A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		REFERENCES:								PREPARER: MR 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED										CHECKER : TC 07/30/82 DATE
										SYSTEM: SAFETY INJECTION
										QDEF SHEET NO. -0205

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	ANALYZED			
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	10-50 HRS BY TEST	FSAR TABLE 3.11-2	ROSEMOUNT REPORT NO 117415	TYPE TEST	N/A	QUALIFIED LIFE IS:	
COMPONENT: LEVEL TRANSMITTER									
PLANT NUMBER: LT SI 0305C (LT 305C)	TEMPERATURE	115 DEG F POST DBA	1350F-10MIN 1316F-1HR 1303F-7HRS 1230F-42HRS	TEMPERATURE MAP G137	ROSEMOUNT REPORT NO. 117415 SEC 5.5 P9-P10	TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHED:	
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1ATM	N/A	FSAR TABLE 3.11-1	N/A	TYPE TEST	N/A		
MODEL AND SERIAL NUMBER: 1152DP5A22PB	RELATIVE HUMIDITY	20%-90%	SEE NOTE (2)	FSAR TABLE 3.11-1	N/A	TYPE TEST	N/A	INSTRUMENT LOCATION: C-40	
SERVICE DESCRIPTION: REF WTR STORAGE TK LVL	CHEMICAL SPRAY	NONE	N/A	NOT APPLICABLE	N/A	TYPE TEST	N/A	GENERIC FILE: EQ-CEIC-12	
FUNCTION: PROCESS ANALOG CONTROL INPUT								NOTE- (2) DRY-10 MIN. SATURATED STM- 1HR SATURATED STM- 7HR SATURATED STM-42HR	
ACCURACY SPECIFIED:	RADIATION	4.2 MRAD	5 MRADS	RADIATION MAPS ZONE - U DWG. G-137	ROSEMOUNT REPORT NO. 117415 SEC 5.3 P5-P6	TYPE TEST	N/A		
ACCURACY DEMONS.:	AGING	140 YRS. + 120 DAYS POST DBA	NONE	FSAR PARAGRAPH 3.11-1	NONE	SUPP. ANALYSIS	YES		
LOCATION: AUX BUILDING ELEVATION: -15.0 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: N/A									
COORDINATES: L-K; 9A-10A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
ENVIRON'T IS HARSH									PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									CHECKER : TC 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED								REFERENCES:	
									SYSTEM: SAFETY INJECTION
									QDEF SHEET NO.-0206

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	10-50 BY TEST	FSAR TABLE	ROSEMOUNT REPORT NO.	TYPE TEST	N/A	QUALIFIED LIFE IS:	
COMPONENT: LEVEL TRANSMITTER				3.11-2	117415				
PLANT NUMBER: LT SI 0305D (LT 305D)	TEMPERATURE	115 D/GF POST 78A	350F-10MIN 316F-1HR 303F-7HRS 230F-42HRS	TEMPERATURE MAP	ROSEMOUNT REPORT NO.	TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHED:	
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1ATM		FSAR TABLE	ROSEMOUNT REPORT NO.	TYPE TEST	N/A		
MODEL AND SERIAL NUMBER: 1152DP5A22	RELATIVE HUMIDITY	20%-90%	SEE NOTE (2)	FSAR TABLE	ROSEMOUNT REPORT NO.	TYPE TEST	N/A	INSTRUMENT LOCATION: C-40	
SERVICE DESCRIPTION: REF WTR STORAGE TK LVL				3.11-1	117415 SEC			GENERIC FILE: EQ-CEIC-12	
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	NONE	N/A	NOT APPLICABLE	N/A	TYPE TEST	N/A	NOTE - (2) DRY-10 MIN. SATURATED STM- 1HR SATURATED STM- 7HR SATURATED STM-42HR	
ACCURACY SPECIFIED:	RADIATION	100,000 RAD	5 MRADS	RADIATION MAPS	ROSEMOUNT REPORT NO.	TYPE TEST	N/A		
ACCURACY DEMONS.:	AGING	140 YRS. + 120 DAYS POST DBA	NONE	FSAR PARAGRAPH	NONE	SUPP. ANALYSIS	YES		
LOCATION: AUX BUILDING ELEVATION: -14.0 FT.				3.11-1					
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: L-K; 9A-10A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:		REVISION NO. -01
ENVIRON'T IS HARSH									PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									CHECKER: TC 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED							REFERENCES:		SYSTEM: SAFETY INJECTION
									QDEF SHEET NO.-0207

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION			QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY	ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	10-50 HRS BY TEST	FSAR TABLE	ROSEMOUNT REPORT NO.	TYPE TEST	N/A	QUALIFIED LIFE IS:	
COMPONENT: PRESSURE TRANSMITTER				3.11-2	N117415				
PLANT NUMBER: PT SI 0303X (PT 303X)	TEMPERATURE	104 DEGF	1350F-10MIN 1316F-1 HR 1303F-7 HRS 1230F-42HRS	TEMPERATURE MAP G137	ROSEMOUNT RPT 117415	TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	N/A	FSAR TABLE	N/A	TYPE TEST	N/A	INSTRUMENT LOCATION: C-27A	
MODEL AND SERIAL NUMBER: 1152GP8A22PB				3.11-1				GENERIC FILE: EQ-IC-2	
SERVICE DESCRIPTION: SHUTDOWN COOLING HX A INLET	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE	ROSEMOUNT RPT 117415	TYPE TEST	N/A		
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	N/A	BORIC ACID ((15000PPM) & NAOH SOL. 10.5% @ 77F)	NOT APPLIED CABLE	N/A	TYPE TEST	N/A		
ACCURACY SPECIFIED:	RADIATION	6.7 MRAD	44 MEGARAD	RADIATION MAPS	ROSEMOUNT R: N117415	TYPE TEST	N/A		
ACCURACY DEMONS.:			GRATED GAMMA DOSE	ZONE - T DWG. G-137	SEC. 5.3 P5-P6				
LOCATION: AUX BUILDING ELEVATION: -35 FT.	AGING	40 YRS. + 120 DAYS POST DBA	NOT EVALUATED	PARAGRAPH 3.11-1	NONE	SUPP. ANALY-SIS	YES		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A			
COORDINATES: K-J, 11A-12A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01	
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								DATE	
QUALIF STATUS: UNQUALIFIED	REFERENCES:							CHECKER : TC 07/30/82	
								DATE	
								SYSTEM: SAFETY INJECTION	
								QDEF SHEET NO. -0209	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	TYPE TEST	N/A	QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER			64 HOURS	3.11-2	117415			
PLANT NUMBER: PT SI 0303Y (PT 303Y)	TEMPERATURE	104 DEGF	350F-10MIN	TEMPERATURE MAP	ROSEMOUNT RPT 117415	TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	1 ATMOS	120#-10MIN	FSAR TABLE	N/A	TYPE TEST	N/A	
MODEL AND SERIAL NUMBER: 1152GP8A22PB			55#-8HRS	3.11-1				INSTRUMENT LOCATION: C-27B
SERVICE DESCRIPTION: SHUTDOWN COOLIN HX B INLET	RELATIVE HUMIDITY	100%	100% (STEAM)	3.11-1	ROSEMOUNT RPT 117415	TYPE TEST	N/A	GENERIC FILE: EQ-IC-2
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	N/A	BORIC ACID ((15000PPM) & NAOH SOL.	NOT APPLIED CABLE	N/A	TYPE TEST	N/A	
ACCURACY SPECIFIED:	RADIATION	6.7 MRAD	44 MEGARAD	RADIATION MAPS	ROSEMOUNT R: N117415	TYPE TEST	N/A	
ACCURACY DEMONS.:			GRATED GAMMA DOSE	ZONE - T DWG. G-137	SEC. 5.3 P5-P6			
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	AGING	140 YRS. + 120 DAYS	NOT EVALUATED	PARAGRAPH 3.11-1	NONE	SUPP. ANALY-SIS	YES	
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-K; 10A-11A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: MR 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED								CHECKER : TC 07/30/82 DATE
				REFERENCES:				SYSTEM: SAFETY INJECTION
								QDEF SHEET NO. -0210

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY	ANALYZED
SYSTEM:	SAFETY INJECTION	OPERATING TIME	120 DAYS	TEST DURATION	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	N/A	QUALIFIED LIFE IS:
COMPONENT:	PRESSURE TRANSMITTER			164 HOURS	3.11-2	3788;PP 21	TYPE		
				120 MIN		FIG.1	TEST		
PLANT NUMBER:	PT SI 0390AS	TEMPERATURE	269 DEGF	350F-10MIN	LOCA/MSLB PROFILE	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	N/A	MAINTENANCE / REPLACEMENT SCHD:
				303F- 8HRS	TABLE 2	3788;PP 21	TYPE		
				1250F-56HRS		FIG.1	TEST		
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	144 PSIG	120#-10MIN	LOCA/MSLB PROFILE	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	N/A	INSTRUMENT LOCATION: C-2A
				55#- 8HRS	TABLE 2	3788;PP 21	TYPE		
				15#-56HRS		FIG.1	TEST		
MODEL AND SERIAL NUMBER:	1153GA9	RELATIVE HUMIDITY	100 %	100 % (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	N/A	GENERIC FILE: EQ-IC-1
SERVICE DESCRIPTION:	HPSI 7.5MPS HDR				3.11-1	3788;PP 21	TYPE		
						FIG.1	TEST		
FUNCTION:	CR INJECTION	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM)	FSAR TABLE	ROSEMOUNT REPORT NO.	SIMULT ANEIOUS	N/A	
				8NAOH SOL.	3.11-1	3788;PP 15	TYPE		
				PH:5.0-9.0	10.5PH@77F	PARA. 5.6	TEST		
ACCURACY SPECIFIED:		RADIATION	GAMMA= 33 MRAD	44 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO.	SEQ'L TYPE	N/A	
			BETA= 327 MRAD	GRATED	ZONE - CC	3788; PP 7-10	TEST		
ACCURACY DEMONS.:		AGING	40 YEARS	NOT EVALUATED	FSAR PARAGRAPH	N/A	SUPP. ANALY-	YES	
			120 DAYS				SIS		
LOCATION: CONT BUILDING			POST DBA		3.11-1				
ELEVATION: +21.0 FT.									
FLOOD LEVEL EL: +0.5 FEET		SUBMERGENCE	NONE	N/A	N/A	N/A		N/A	
ABOVE FLOOD LEVEL: YES									
COORDINATES: S-E; COL 11-12		INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE! OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS HARSH									REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARER: MR 07/30/82
QUALIF STATUS: QUALIFIED FOR INTERIM USE									DATE
									CHECKER : TC 07/30/82
									DATE
									SYSTEM: SAFETY INJECTION
									QDEF SHEET NO.-0212

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	SAFETY INJECTION	! OPERATING TIME	!!120 DAYS	! TEST DURATION	! FSAR TABLE	! ROSEMOUNT REPORT NO.	! SIMULT ANEOUS	! N/A	! QUALIFIED LIFE IS:
COMPONENT:	PRESSURE TRANSMITTER	! !!	!!	! 64 HOURS 120 MIN	! 3.11-2	! 3788;PP 21 FIG.1	! TYPE TEST	!	!
PLANT NUMBER:	PT SI 0390BS	! TEMPERATURE	!!269 DEGF	! 350F-10MIN 303F- 8HRS	! LOCA/MSLB PROFILE	! ROSEMOUNT REPORT NO.	! SIMULT ANEOUS	! N/A	! MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	ROSEMOUNT INCORPORATED	! PRESSURE	!!44 PSIG	! 120#-10MIN 55#- 8HRS	! LOCA/MSLB PROFILE	! ROSEMOUNT REPORT NO.	! SIMULT ANEOUS	! N/A	!
MODEL AND SERIAL NUMBER:	1153GA9	! !!	!!	! 15#-56HRS 120F-	! TABLE 2	! 3788;PP 21 FIG.1	! TYPE TEST	!	! INSTRUMENT LOCATION:C-1B
SERVICE DESCRIPTION:	HPSI PUMPS HDR B PRESS	! RELATIVE HUMIDITY	!!100 %	! 100 % (STEAM)	! FSAR TABLE	! ROSEMOUNT REPORT NO.	! SIMULT ANEOUS	! N/A	! GENERIC FILE: EQ-IC-1
FUNCTION:	CR INDICATOR INPUT	! CHEMICAL SPRAY	!!1750-2150 PPM BOR AS	! BORIC ACID (15000PPM)	! FSAR TABLE	! ROSEMOUNT REPORT NO.	! SIMULT ANEOUS	! N/A	!
ACCURACY SPECIFIED:		! !!BORIC ACID PH:5.0-9.0	!!	! &NAOH SOL. 10.5PH@77F	! 3.11-1	! 3788;PP 15 PARA. 5.6	! TYPE TEST	!	!
ACCURACY DEMONS.:		! RADIATION	!!GAMMA= 33 MRAD	! 44 MEGARAD TOTL. INTE- GRATED	! RADIATION MAPS	! ROSEMOUNT REPORT NO.	! SEQ'L TYPE	! N/A	!
LOCATION:	CONT BUILDING	! AGING	!!40 YEARS	! NOT EVALUATED	! FSAR PARAGRAPH	! N/A	! SUPP. ANALY-	! YES	!
ELEVATION:	+21.0 FT.	! !!+ 120 DAYS POST DBA	!!	!	! 3.11-1	!	! SIS	!	!
FLOOD LEVEL EL:	+0.5 FEET	! SUBMER- GENCE	!!NONE	! N/A	! N/A	! N/A	!	! N/A	!
ABOVE FLOOD LEVEL:	YES	! !!	!!	!	!	!	!	!	!
COORDINATES:	;COL 15-16	! INDEX FOR INCONSISTENCY!							!
ENVIRON'T IS HARSH		! ANALYSIS IN WORKFILE (IF REQUIRED)							!
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
QUALIF STATUS: QUALIFIED FOR INTERIM USE		!							! REVISION NO.-01
		! O!							! PREPARER:MR 07/30/82
		! T!							! DATE
		! P!							! CHECKER :TC 07/30/82
		! H! REFERENCES:							! DATE
		! C!							!
		! R!							! SYSTEM:SAFETY
		! A!							! INJECTION
		! S!							! QDEF SHEET NO.-0213

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES		
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED			
SYSTEM: MAIN STEAM	OPERATING TIME	REAC PROT: 30 MIN.	TEST DURATION: 64 HOURS	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	QUALIFIED LIFE IS:		
COMPONENT: PRESSURE TRANSMITTER		POST ACNT: 36 HR	20 MIN		FIG. 1	TEST				
PLANT NUMBER: PT MS 1013A	TEMPERATURE	269 DEG	350F-10MIN; 303F-8HRS; 250F-56HRS; 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	MAINTENANCE / REPLACEMENT SCHO:		
MANUFACTURER: ROSEMOUNT	PRESSURE	44 PSIG	120#-10MIN; 55#-8HRS; 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A	LOCATED IN INSTRUMENT CABINET C-1A		
MODEL AND SERIAL NUMBER: 1153GA9	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 21	SIMULT ANEOUS	N/A			
SERVICE DESCRIPTION: STEAM GEN. 1 PRESSURE					FIG. 1	TEST				
FUNCTION: INITIATE&MONITOR STEAM DUMP	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM)	FSAR TABLE	ROSEMOUNT REPORT NO. 3788;PP 15	SIMULT ANEOUS	N/A			
		BORIC ACID PH: 5.0-9.0	&NADH SOL. 10.5PH@77F		PARA. 5.6	TEST				
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD	44 MEGARAD	RADIATION MAPS	ROSEMOUNT REPORT NO. 3788;	SEQ'L TYPE	N/A			
ACCURACY DEMONS.:	BETA= 327 MRAD		GAMMA DOSE	ZONE - CC DWG. G-144	PP 7-10	TEST				
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.	AGING	40 YEARS PLUS	NONE	FSAR PARAGRAPH	NONE	SUPP. ANALY-	YES			
		36 HOURS POST DBA		3.11.1		SIS				
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	N/A	FSAR QUESTION	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: YES				211.8						
COORDINATES: S-W: COL 14-15	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)									
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:								PREPARER: MR 07/30/82 DATE	
QUALIF STATUS: QUALIFIED FOR INTERIM USE	EQ-IC-1									CHECKER : TC 07/30/82 DATE
										SYSTEM: MAIN STEAM
										QDEF SHEET NO.-0214

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: MAIN STEAM	OPERATING TIME	REAC PROT: 30 MIN.	TEST DURATION	FSAR TABLE	ROSEMOUNT	SIMULT	N/A	QUALIFIED LIFE 'S:
COMPONENT: PRESSURE TRANSMITTER	POST ACDNT	64 HOURS	20 MIN	3.11-2	3788;PP 21	TYPE		
PLANT NUMBER: PT MS 1013B	TEMPERATURE	269 DEGF	350F-10MIN	LOCA/MSLB	ROSEMOUNT	SIMULT	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT	PRESSURE	44 PSIG	120#-10MIN	LOCA/MSLB	ROSEMOUNT	SIMULT	N/A	
MODEL AND SERIAL NUMBER: 1153GA9			55#- 8HRS	PROFILE	REPORT NO.	ANEIOUS		LOCATED IN INSTRUMENT CABINET C-1B
SERVICE DESCRIPTION: STEAM GEN.1 PRESSURE	RELATIVE HUMIDITY	100%	15#-56HRS	TABLE 2	3788;PP 21	TYPE		
FUNCTION: INITATE&MONITOR STEAM DUMP	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM)	FSAR TABLE	ROSEMOUNT	SIMULT	N/A	
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD	TOTL. INTEG	RADIATION	ROSEMOUNT	SEQ'L	N/A	
ACCURACY DEMONS.:	BETA=	327 MRAD	GAMMA DOSE	ZONE - CC	3788; PP 7-10	TEST		
LOCATION: CONT BUILDING	AGING	40 YEARS PLUS	NONE	FSAR PARAGRAPH	NONE	SUPP. ANALY-	YES	
ELEVATION: +21.0 FT.		36 HOURS		3.11.1		SIS		
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	N/A	FSAR QUESTION	N/A	N/A	N/A	
ABOVE FLOOD LEVEL: YES				211.8				
COORDINATES: S-W: COL 15-16	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	O!							REVISION NO. -01
QUALIF STATUS: QUALIFIED FOR INTERIM USE	T!							PREPARER: MR 07/30/82
	P!							DATE
	H!							CHECKER :TC 07/30/82
	C!							DATE
	R!							SYSTEM: MAIN STEAM
	A!							
	S!							QDEF SHEET NO. -0215
	EQ-IC-1							
	REFERENCES:							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: MAIN STEAM	OPERATING TIME	REAC PROT: 30 MIN.; POST ACDNT	TEST DURATION: 64 HOURS	FSAR TABLE 3.11-2	ROSEMOUNT REPORT NO. 3788; PP 21 FIG. 1	SIMULT ANEIOUS TYPE TEST	N/A	QUALIFIED LIFE IS:	
COMPONENT: PRESSURE TRANSMITTER	TEMPERATURE	269 DEG F	1250F-10MIN; 303F- 8HRS; 1250F-56HRS; 120F-	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788; PP 21 FIG. 1	SIMULT ANEIOUS TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:	
PLANT NUMBER: PT MS 1013C	PRESSURE	44 PSIG	120#-10MIN; 55#- 8HRS; 15#-56HRS	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REPORT NO. 3788; PP 21 FIG. 1	SIMULT ANEIOUS TYPE TEST	N/A	LOCATED IN INSTRUMENT CABINET C-1C	
MANUFACTURER: ROSEMOUNT	RELATIVE HUMIDITY	100%	100% (STEAM)	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788; PP 21 FIG. 1	SIMULT ANEIOUS TYPE TEST	N/A		
MODEL AND SERIAL NUMBER: 1153GA9	CHEMICAL SPRAY	1750-2150 PPM BOR AS	BORIC ACID (15000PPM); &NAOH SOL.; 10.5PH@77F	FSAR TABLE 3.11-1	ROSEMOUNT REPORT NO. 3788; PP 15 PARA. 5.6	SIMULT ANEIOUS TYPE TEST	N/A		
SERVICE DESCRIPTION: STEAM GEN. 1 PRESSURE	RADIATION	GAMMA= 33 MRAD; BETA= 327 MRAD	44 MEGARAD; TOTL. INTEG; GAMMA DOSE	RADIATION MAPS ZONE - CC DWG. G-144	ROSEMOUNT REPORT NO. 3788; PP 7-10	SEQ'L TYPE TEST	N/A		
FUNCTION: INITIATE&MONITOR STEAM DUMP	AGING	40 YEARS PLUS	NONE	FSAR PARAGRAPH 3.11.1	NONE	SUPP. ANALY-SIS	YES		
ACCURACY SPECIFIED:	SUBMER-GENCE	NONE	N/A	FSAR QUESTION 211.8	N/A	N/A	N/A		
ACCURACY DEMONS.:	INDEX FOR INCONSISTENCY:	ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
LOCATION: CONT BUILDING	COORDINATES: S-W: COL 16/17							REVISION NO.-01	
ELEVATION: +21.0 FT.	ENVIRON'T IS HARSH							PREPARER: MR 07/30/82	
FLOOD LEVEL EL: +0.5 FEET	EQUIPMENT EXEMPT FROM QUALIFICATION: NO							DATE	
ABOVE FLOOD LEVEL: YES	QUALIF STATUS: QUALIFIED FOR INTERIM USE							CHECKER : TC 07/30/82	
								DATE	
								SYSTEM: MAIN STEAM	
								QDEF SHEET NO.-0216	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: MAIN STEAM	! OPERATING TIME	!! REAC PROT: 30 MIN. !!	! TEST DURATION	! FSAR TABLE	! ROSEMOUNT REPORT NO.	! SIMULT ANEIOUS	! N/A	! QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER	! POST ACDNT	!! MON: 36 HR !!	! 64 HOURS 20 MIN.	! 3.11-2	! 3788;PP 21 FIG.1	! TYPE TEST	!	!
PLANT NUMBER: PT MS 1013D	! TEMPERATURE	!! 269 DEGF !!	! 135OF-10MIN 303F- 8HRS 250F-56HRS 120F-	! LOCA/MSLB PROFILE TABLE 2	! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	! SIMULT ANEIOUS TYPE TEST	! N/A	! MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT	! PRESSURE	!! 44 PSIG !!	! 120#-10MIN 55#- 8HRS 15#-56HRS	! LOCA/MSLB PROFILE TABLE 2	! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	! SIMULT ANEIOUS TYPE TEST	! N/A	! LOCATED IN INSTRUMENT CABINET C-ID
MODEL AND SERIAL NUMBER: 1153GA9	! RELATIVE HUMIDITY	!! 100% !!	! 100% (STEAM)	! FSAR TABLE	! ROSEMOUNT REPORT NO. 3788;PP 21 FIG.1	! SIMULT ANEIOUS TYPE TEST	! N/A	!
SERVICE DESCRIPTION: STEAM GEN. 1 PRESSURE	! CHEMICAL SPRAY	!! 1750-2150 PPM BOR AS !!	! BORIC ACID (15000PPM) & NAOH SOL. 10.5PH@77F	! FSAR TABLE	! ROSEMOUNT REPORT NO. 3788;PP 15 PARA. 5.6	! SIMULT ANEIOUS TYPE TEST	! N/A	!
ACCURACY SPECIFIED:	! RADIATION	!! GAMMA= 33 MRAD !!	! 144 MEGARAD TOTL. INTEG GAMMA DOSE	! RADIATION MAPS ZONE - CC	! ROSEMOUNT REPORT NO. 3788; PP 7-10	! SEQ'L TYPE TEST	! N/A	!
ACCURACY DEMONS.:	! AGING	!! 40 YEARS PLUS !!	! NONE	! FSAR PARAGRAPH	! NONE	! SUPP. ANALY-	! YES	!
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.	! 36 HOURS	!! POST DBA !!	!	! 3.11.1	!	! SIS	!	!
FLOOD LEVEL EL: +0.5 FEET	! SUBMERGENCE	!! NONE !!	! N/A	! FSAR QUESTION	! N/A	! N/A	! N/A	!
ABOVE FLOOD LEVEL: YES	!	!	!	! 211.8	!	!	!	!
COORDINATES: S-W: COL 17-18	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			! OTHER EQUIPMENT THIS QDEF APPLIES TO:			!	!
ENVIRON'T IS HARSH	!	!	!	!	!	!	!	! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	!	!	!	!	!	!	!	! PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFIED FOR INTERIM USE	!	!	!	!	!	!	!	! CHECKER : TC 07/30/82 DATE
	!	!	!	!	!	!	!	! SYSTEM: MAIN STEAM
	!	!	!	!	!	!	!	! QDEF SHEET NO.-0217

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	10-50 HRS BY TEST	FSAR TABLE	ROSEMOUNT REPORT NO. P117415	TYPE TEST	N/A	QUALIFIED LIFE IS:
COMPONENT: FLOW TRANSMITTER				3.11-2				
PLANT NUMBER: FT-SI 0311 FT 311	TEMPERATURE	150 DEGF	1350F-10MIN 1316F-1 HR 1303F-7 HRS 1230F-42HRS	TEMP MAP G-137	ROSEMOUNT RPT 117415 SEC.5.5 P9-P10	TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT	PRESSURE	1 ATMOS		FSAR TABLE		TYPE TEST	N/A	
MODEL AND SERIAL NUMBER: 1152HP6A22PB				3.11-1				(1)LOCATED IN INSTRUMENT CABINET C-39
SERVICE DESCRIPTION: HPSI HEADER 1A FLOW	RELATIVE HUMIDITY	20%-90%	SEE NOTE (2)	FSAR TABLE	ROSEMOUNT RPT117415 SEC.5.5 P9-P11	TYPE TEST	N/A	(2)DRY -10 MIN SATUR. STEAM-1 HR. SATUR. STEAM-7 HRS. SATUR. STEAM-42HRS.
FUNCTION: MONITOR HPSI COLD LEG FLOW	CHEMICAL SPRAY	NONE				TYPE TEST	N/A	NON CLASS IE DEVICE R.G. 1.97 CLASS 2 GENERIC FILE: EQ-IC-2
ACCURACY SPECIFIED:	RADIATION	10,000 RAD	5 M RADS	RADIATION MAPS	ROSEMOUNT R: N117415 SEC.5.3	TYPE TEST	N/A	
ACCURACY DEMONS.:				ZONE DWG. G-	P5-P6			
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	AGING	40 YEARS + 120 DAYS	NONE	FSAR PARAGRAPH	NONE	SUPP ANALY-SIS	YES	
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	N/A	FSAR QUESTION	N/A	N/A	N/A	
ABOVE FLOOD LEVEL: N/A				211.8				
COORDINATES: L-K;4A-5A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS:								PREPARER: MR 07/30/82 DATE
				REFERENCES:				CHECKER : TC 07/30/82 DATE
								SYSTEM: SAFETY INJECTION
								QDEF SHEET NO.-0218

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	0-50 HRS BY TEST	FSAR TABLE	ROSEMOUNT REPORT NO.	TYPE TEST	N/A	QUALIFIED LIFE IS:	
COMPONENT: FLOW TRANSMITTER				3.11-2	117415				
PLANT NUMBER: FT-SI 0321 FT 321	TEMPERATURE	130 DEGF	350F-10MIN	TEMP MAP	ROSEMOUNT RPT 117415	TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ROSEMOUNT	PRESSURE	1 ATMOS	303F-7 HRS	FSAR TABLE	N/A	TYPE TEST	N/A	(1) LOCATED IN INSTRUMENT CABINET C-38	
MODEL AND SERIAL NUMBER: 1152HP6A22PB	RELATIVE HUMIDITY	20%-90%	SEE NOTE (2)	FSAR TABLE	ROSEMOUNT R: 117415	TYPE TEST	N/A	(2) DRY - 10 MIN SATUR. STEAM-1 HR.	
SERVICE DESCRIPTION: HPSI HEADER B FLOW	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	TYPE TEST	N/A	SATUR. STEAM-7 HRS. SATUR. STEAM-42HRS. NON CLASS IG DEVICE R.G. 1.97 CLASS 2 VARIABLE	
FUNCTION: MONITOR HPSI COLD LEG FLOW								GENERIC FILE: EQ-IC-2	
ACCURACY SPECIFIED:	RADIATION	10,000 RAD	5 M RADS	RADIATION MAPS	ROSEMOUNT R: N117415	TYPE TEST	N/A		
ACCURACY DEMONSTRATED:				ZONE - DWG. G-	SEC. 5.3 P5-P6				
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	AGING	140 YEARS	NONE	FSAR PARAGRAPH	NONE	SUPP ANALY-	YES		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	N/A	FSAR QUESTION	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: N/A				211.8					
COORDINATES: L-K; 3A-4A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:		REVISION NO. -01
ENVIRONMENT IS HARSH								PREPARER: MR 07/30/82 DATE	
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER: TC 07/30/82 DATE	
QUALIFICATION STATUS:					REFERENCES:			SYSTEM: SAFETY INJECTION	
								QDEF SHEET NO. -0219	

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	SAFETY INJECTION	OPERATING TIME	120 DAYS	10-50 HRS BY TEST	FSAR TABLE	ROSEMOUNT REPORT NO. 117415	TYPE TEST	N/A	QUALIFIED LIFE IS:
COMPONENT:	FLOW TRANSMITTER				3.11-2	117415			
PLANT NUMBER:	FT-SI 0331 FT 331	TEMPERATURE	115 DEG F POST DBA	350F-10MIN 316F-1 HR 303F-7 HRS 230F-42HRS	TEMP MAP G-137	ROSEMOUNT RPT 117415 SEC.5.5 P9-P10	TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	ROSEMOUNT	PRESSURE	ATMOS	N/A	FSAR TABLE	N/A	TYPE TEST	N/A	(1)LOCATED IN INSTRUMENT CABINET C-23
MODEL AND SERIAL NUMBER:	1152HP6A22PB	RELATIVE HUMIDITY	20%-90%	SEE NOTE (2)	FSAR TABLE	ROSEMOUNT RPT 117415 SEC.5.5 P9-P10	TYPE TEST	N/A	(2) DRY -10 MIN SATUR. STEAM-1 HR. SATUR. STEAM-7 HRS. SATUR. STEAM-42HRS. NON CLASS IE DEVICE R.G. 1.97 CLASS 2 VARIABLE
SERVICE DESCRIPTION:	HPSI HEADER 2A FLOW	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	TYPE TEST	N/A	GENERIC FILE: EQ-IC-2
FUNCTION:	MONITOR HPSI COLD LEG FLOW								
ACCURACY SPECIFIED:		RADIATION	4.2 M RADS	5 M RADS	RADIATION MAPS	ROSEMOUNT R: N117415 SEC.5.3 P5-P6	TYPE TEST	N/A	
ACCURACY DEMONS.:					DWG. G-				
LOCATION:	AUX BUILDING	AGING	40 YEARS + 120 DAYS POST DBA	NONE	FSAR PARAGRAPH 3.11-1	NONE	SUPP ANALY- SIS	YES	
ELEVATION:	-15.0 FT.								
FLOOD LEVEL EL:	N/A FEET	SUBMER- GENCE	NONE	N/A	FSAR QUESTION 211.8	N/A	N/A	N/A	
ABOVE FLOOD LEVEL:	N/A								
COORDINATES:	L-K; 10A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
ENVIRON'T IS HARSH									
EQUIPMENT EXEMPT FROM QUALIFICATION:									PREPARER: MR 07/30/82 DATE
QUALIF STATUS:					REFERENCES:				CHECKER :TC 07/30/82 DATE
									SYSTEM: SAFETY INJECTION
									QDEF SHEET NO.-0220

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	D	
SYSTEM: SAFETY INJECTION	! OPERATING TIME	!! 120 DAYS	! 0-50 HRS ! ! BY TEST	! FSAR ! ! TABLE	! ROSEMOUNT ! ! REPORT	! TYPE ! ! TEST	! N/A !	! QUALIFIED ! ! LIFE IS:
COMPONENT: FLOW TRANSMITTER	!	!!	!	! 3.11-2 !	! N117415 !	!	!	!
PLANT NUMBER: FT-SI 0341 FT 341	! TEMPERAT- URE	!! 115 DEG	! 350F-10MIN ! ! 316F-1 HR !	! TEMP ! ! MAP !	! ROSEMOUNT ! ! RPTN117415 !	! TYPE ! ! TEST	! N/A !	! MAINTENANCE / ! ! REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT	! PRESSURE	!! 1 ATMOS	!	! FSAR ! ! TABLE	!	! TYPE ! ! TEST	! N/A !	!
MODEL AND SERIAL NUMBER: 1152HP6A22PB	!	!!	!	! 3.11-1 !	!	!	!	! (1)LOCATED IN ! ! INSTRUMENT CABINET ! ! C-26
SERVICE DESCRIPTION: HPSI HEADER 2B FLOW	! RELATIVE HUMIDITY	!! 20%-90%	! SEE NOTE ! ! (2)	! FSAR ! ! TABLE	! ROSEMOUNT ! ! RPT117415 !	! TYPE ! ! TEST	! N/A !	! (2) DRY -10 MIN ! ! SATUR. STEAM-1 HR. ! ! SATUR. STEAM-7 HRS. ! ! SATUR. STEAM-42HRS. !
FUNCTION: MONITOR HPSI COLD LEG FLOW	! CHEMICAL SPRAY	!! NONE	!	! N/A !	! N/A !	! TYPE ! ! TEST	! N/A !	! NON CLASS IE ! ! DEVICE R.G. 1.97 ! ! CLASS 2 VARIABLE !
ACCURACY SPECIFIED:	! RADIATION	!! 4.2 M RADS	!	! RADIATION ! ! MAPS	! ROSEMOUNT ! ! R: N117415 !	! TYPE ! ! TEST	! N/A !	! GENERIC FILE: ! ! EQ-IC-2
ACCURACY DEMONS.:	!	!!	!	! ZONE - ! ! DWG. G-	! SEC.5.3 ! ! P5-P6 !	!	!	!
LOCATION: AUX BUILDING ELEVATION: -15.0 FT.	! AGING	!! 40 YEARS	!	! FSAR ! ! PARAGRAPH	!	! SUPP ! ! ANALY-	! YES !	!
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	! SUBMER- GENCE	!! NONE	!	! FSAR ! ! QUESTION	!	! N/A !	!	!
COORDINATES: L:9A-10A	! INDEX FOR INCONSISTENCY: !							!
ENVIRON'T IS HARSH	! ANALYSIS IN WORKFILE !							!
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS:	! (IF REQUIRED) !							!
	! OTHER EQUIPMENT THIS QDEF APPLIES TO: !							!
	! REFERENCES: !							!
	! REVISION NO. -01 !							!
	! PREPARER: MR 07/30/82 !							!
	! DATE !							!
	! CHECKER : TC 07/30/82 !							!
	! DATE !							!
	! SYSTEM: SAFETY !							!
	! INJECTION !							!
	! QDEF SHEET NO. -0221 !							!

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TF JCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS		FSAR TABLE 3.11-2	FOXBORO TEST NO. T3-1013 TE-1068	TYPE TEST	N/A	QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER								
PLANT NUMBER: PT RC 0104 PT - 104	TEMPERATURE	269 DEGF		LOCA/MSLB PROFILE TABLE 2	FOXBORO TEST NO. T3-1013 TE-1068	TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: FOXBORO	PRESSURE	44 PSIG		LOCA/MSLB PROFILE TABLE 2	FOXBORO TEST NO. T3-1013 TE-1068	TYPE TEST	N/A	LOCATED IN INSTRUMENT CABINET C-1B
MODEL AND SERIAL NUMBER: E11GM	RELATIVE HUMIDITY	100%		FSAR TABLE 3.11-1	FOXBORO TEST NO. T3-1013 TE-1068	TYPE TEST	N/A	
SERVICE DESCRIPTION: PRESSURIZER PRESS. (LOW RNG)								
FUNCTION: INPUT SDCS	CHEMICAL SPRAY	1750-2500 PPM BORON AS BORIC ACID PH5-9		FSAR TABLE 3.11-1	FOXBORO TEST NO. T3-1013 TE-1068	TYPE TEST	N/A	
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD		RADIATION MAPS ZONE - CC DWG. G-144	FOXBORO TEST NO. T3-1013 TE-1068	TYPE TEST	N/A	
ACCURACY DEMONS.:	AGING	40 YEARS + 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	NONE	SUPP- ANALY- SIS	YES	
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.								
FLOOD LEVEL EL: +0.0 FEET	SUBMERGENCE	NONE	N/A	FSAR QUESTION 211.B	N/A	N/A	N/A	
ABOVE FLOOD LEVEL: YES								
COORDINATES: S-W; COL 15-16	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: NOT QUALIFIED REPLACEMENT PURCHASED				REFERENCES:				SYSTEM: REACTOR COOLANT QDEF SHEET NO. -0222

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	REACTOR COOLANT	OPERATING TIME	120 DAYS		FSAR TABLE 3.11-2	FOXBORO TEST NO. T3-1013 TE-1068	TYPE TEST	N/A	QUALIFIED LIFE IS:
COMPONENT:	PRESSURE TRANSMITTER								
PLANT NUMBER:	PT RC 0106 PT - 106	TEMPERATURE	269 DEGF		LOCA/MSLB PROFILE TABLE 2	FOXBORO TEST NO. T3-1013 TE-1068	TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	FOXBORO	PRESSURE	44 PSIG		LOCA/MSLB PROFILE TABLE 2	FOXBORO TEST NO. T3-1013 TE-1068	TYPE TEST	N/A	LOCATED IN INSTRUMENT CABINET C-10
MODEL AND SERIAL NUMBER:	E11GM	RELATIVE HUMIDITY	100%		FSAR TABLE 3.11-1	FOXBORO TEST NO. T3-1013 TE-1068	TYPE TEST	N/A	
SERVICE DESCRIPTION:	PRESSURIZER PRESS.								
FUNCTION:	INPUT SDCS	CHEMICAL SPRAY	1750-2500 PPM BORON AS BORIC ACID PH5-9		FSAR TABLE 3.11-1	FOXBORO TEST NO. T3-1013 TE-1068	TYPE TEST	N/A	
ACCURACY SPECIFIED:		RADIATION	GAMMA= 153 MRAD BETA= 1327 MRAD		RADIATION MAPS ZONE - CC DWG. G-144	FOXBORO TEST NO. T3-1013 TE-1068	TYPE TEST	N/A	
ACCURACY DEMONS.:		AGING	140 YEARS + 120 DAYS POST DBA	NOT EVALUATED	FSAR PARAGRAPH 3.11.1	NONE	SUPP- ANALY- SIS	YES	
LOCATION:	CONT BUILDING								
ELEVATION:	+21.0 FT.								
FLOOD LEVEL EL:	FEET	SUBMER- GENCE	NONE	N/A	FSAR QUESTION 211.8	N/A	N/A	N/A	
ABOVE FLOOD LEVEL:									
COORDINATES:	S-W; COL 17-18	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH									REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARER: MR 07/30/82 DATE
QUALIF STATUS:									CHECKER : TC 07/30/82 DATE
NOT QUALIFIED									
REPLACEMENT PURCHASED									SYSTEM: REACTOR COOLANT
									QDEF SHEET NO.-0223

REFERENCES:

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE	QUALIF'N TESTING IN	SEQ. TYPE TEST		QUALIFIED LIFE IS:	
COMPONENT: FLOW INDICATOR SWITCH			PROGRESS	3.11-2	PROGRESS				
PLANT NUMBER: FIS AC 5030AS	TEMPERATURE	104 DEG F	QUALIF'N TESTING IN	TEMPERATURE MAP	QUALIF'N TESTING IN	SIM. TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ITT BARTON	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN	FSAR TABLE	QUALIF'N TESTING IN	SIM. TYPE TEST		GENERIC FILE: EQ-IC-3	
MODEL AND SERIAL NUMBER: MODEL 580-1	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN	FSAR TABLE	QUALIF'N TESTING IN	SIM. TYPE TEST		INSTRUMENT LOCATION: C101A	
SERVICE DESCRIPTION: CHILLED WATER FROM CHILLER A	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A			
FUNCTION: INTERLOCK & ALARM	RADIATION	2.5 MEGARADS	QUALIF'N TESTING IN	RADIATION MAPS	QUALIF'N TESTING IN	SEQ. TYPE TEST			
ACCURACY SPECIFIED:	AGING	40 YEARS PLUS	QUALIF'N TESTING IN	FSAR PARAGRAPH	QUALIF'N TESTING IN	SEQ. TYPE TEST			
ACCURACY DEMONS.:		120 DAYS POST DBA	PROGRESS	3.11.1	PROGRESS				
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.	SUBMERGENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	N/A			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A			PROGRESS		PROGRESS				
COORDINATES: J-K ; 2A-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO. -01
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS									SYSTEM: CHILLED WATER
									QDEF SHEET NO. -0400

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST		QUALIFIED LIFE IS:
COMPONENT: FLOW INDICATOR SWITCH			PROGRESS		PROGRESS			
PLANT NUMBER: FIS AC 5030BS	TEMPERATURE	104 DEGF	QUALIF'N TESTING IN	TEMPERATURE MAP G-134	QUALIF'N TESTING IN	SIM. TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SIM. TYPE TEST		GENERIC FILE: EQ-IC-3
MODEL AND SERIAL NUMBER: MODEL 580-1	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SIM. TYPE TEST		INSTRUMENT LOCATION: C101B
SERVICE DESCRIPTION: CHILLED WATER FROM CHILLER B			PROGRESS		PROGRESS			
FUNCTION: INTERLOCK & ALARM	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	2.5 MEGARADS	QUALIF'N TESTING IN	RADIATION MAPS ZONE - M DWG. G-134	QUALIF'N TESTING IN	SEQ. TYPE TEST		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
LOCATION: AUX BUILDING								
ELEVATION: +46.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	N/A		
ABOVE FLOOD LEVEL: N/A			PROGRESS		PROGRESS			
COORDINATES: K-L ; 2A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS				REFERENCES:				SYSTEM: CHILLED WATER
								QDEF SHEET NO.-0401

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST		QUALIFIED LIFE IS:
COMPONENT: FLOW INDICATOR SWITCH			PROGRESS		PROGRESS			
PLANT NUMBER: FIS AC 5070AS.	TEMPERATURE	104 DEGF	QUALIF'N TESTING IN	TEMPERATURE MAP G-134	QUALIF'N TESTING IN	SIM. TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SIM. TYPE TEST		GENERIC FILE: EQ-IC-3
MODEL AND SERIAL NUMBER: MODEL 580-1	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SIM. TYPE TEST		INSTRUMENT LOCATION: C101A
SERVICE DESCRIPTION: HVAC CHLR A OUT TO CCW RET HD A			PROGRESS		PROGRESS			
FUNCTION: INTERLOCK & ALARM	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	2.5 MEGARADS	QUALIF'N TESTING IN	RADIATION MAPS ZONE - M DWG. G-134	QUALIF'N TESTING IN	SEQ. TYPE TEST		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.	SUBMERGENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	N/A		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A			PROGRESS		PROGRESS			
COORDINATES: J-K ; 2A-3A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS				REFERENCES:				SYSTEM: CHILLED WATER
								QDEF SHEET NO. -0403

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST		QUALIFIED LIFE IS:
COMPONENT: FLOW INDICATOR SWITCH			PROGRESS		PROGRESS			
PLANT NUMBER: FIS AC 5070BS.	TEMPERATURE	104 DEGF	QUALIF'N TESTING IN	TEMPERATURE MAP G-134	QUALIF'N TESTING IN	SIM. TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SIM. TYPE TEST		GENERIC FILE: EQ-IC-3
MODEL AND SERIAL NUMBER: MODEL 580-1	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SIM. TYPE TEST		INSTRUMENT LOCATION: C101B
SERVICE DESCRIPTION: HVAC CHLR B OUT TO CCW RET HD B			PROGRESS		PROGRESS			
FUNCTION: INTERLOCK & ALARM	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	2.5 MEGARADS	QUALIF'N TESTING IN	RADIATION MAPS ZONE - M DWG. G-134	QUALIF'N TESTING IN	SEQ. TYPE TEST		
ACCURACY DEMONS.:			PROGRESS		PROGRESS			
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	N/A		
COORDINATES: K-L ; 2A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS				REFERENCES:				CHECKER : TC 07/30/82 DATE
								SYSTEM: CHILLED WATER
								QDEF SHEET NO.-0404

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE	QUALIF'N TESTING IN	SEQ. TYPE TEST		QUALIFIED LIFE IS:
COMPONENT: FLOW INDICATOR SWITCH			PROGRESS	3.11-2	PROGRESS			
PLANT NUMBER: FIS AC 5070CS.	TEMPERATURE	104 DEGF	QUALIF'N TESTING IN	TEMPERATURE MAP	QUALIF'N TESTING IN	SIM. TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN	FSAR TABLE	QUALIF'N TESTING IN	SIM. TYPE TEST		GENERIC FILE: EQ-IC-3
MODEL AND SERIAL NUMBER: MODEL 580-1	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN	FSAR TABLE	QUALIF'N TESTING IN	SIM. TYPE TEST		INSTRUMENT LOCATION: C101C
SERVICE DESCRIPTION: HVAC CHLR C OUT TO CCW RET HD C			PROGRESS		PROGRESS			
FUNCTION: INTERLOCK & ALARM	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	2.5 MEGARADS	QUALIF'N TESTING IN	RADIATION MAPS	QUALIF'N TESTING IN	SEQ. TYPE TEST		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS	QUALIF'N TESTING IN	FSAR PARAGRAPH	QUALIF'N TESTING IN	SEQ. TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.		120 DAYS POST DBA	PROGRESS	3.11.1	PROGRESS			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	N/A		
ABOVE FLOOD LEVEL: N/A			PROGRESS		PROGRESS			
COORDINATES: J-K ; 2A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS				REFERENCES:				SYSTEM: CHILLED WATER
								QDEF SHEET NO.-0405

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST		QUALIFIED LIFE IS:
COMPONENT: FLOW INDICATOR SWITCH			PROGRESS		PROGRESS			
PLANT NUMBER: FIS CC 5770A15	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN	LOCA/MSLB PROFILE	QUALIF'N TESTING IN	SIM. TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	144 PSIG.	QUALIF'N TESTING IN	LOCA/MSLB PROFILE	QUALIF'N TESTING IN	SIM. TYPE TEST		GENERIC FILE: EQ-IC-3
MODEL AND SERIAL NUMBER: MODEL 580-0	RELATIVE HUMIDITY	100%	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SIM. TYPE TEST		
SERVICE DESCRIPTION: RC PMP 1A COOLR CCW OUTLET FLOW			PROGRESS		PROGRESS			
FUNCTION: SAFETY ANN ALARM	CHEMICAL SPRAY	1750-2150 PPM BOR AS BORIC ACID PH:5.0-9.0	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE - CC DWG. G-145	QUALIF'N TESTING IN	SEQ. TYPE TEST		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
LOCATION: CONT BUILDING ELEVATION: -4.0 FT.			PROGRESS		PROGRESS			
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: NO	SUBMERGENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	N/A		
COORDINATES: COL17-18:20'W	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS				REFERENCES:				SYSTEM: COMPONENT COOLING WATER QDEF SHEET NO.-0406

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	COMPONENT	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT:	FLOW INDICATOR SWITCH			PROGRESS		PROGRESS			
PLANT NUMBER:	FIS CC 5770A2S	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN	LOCA/MSLB PROFILE	QUALIF'N TESTING IN	SIM. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	ITT BARTON	PRESSURE	144 PSIG.	QUALIF'N TESTING IN	LOCA/MSLB PROFILE	QUALIF'N TESTING IN	SIM. TYPE TEST	----	GENERIC FILE: EQ-IC-3
MODEL AND SERIAL NUMBER:	MODEL 580-0	RELATIVE HUMIDITY	100%	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SIM. TYPE TEST	----	
SERVICE DESCRIPTION:	RC PMP 1A COOLR CCW OUTLET FLOW			PROGRESS		PROGRESS			
FUNCTION:	SAFETY ANN ALARM	CHEMICAL SPRAY	1750-2150 PPM BOR AS BORIC ACID PH:5.0-9.0	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	N/A	N/A		
ACCURACY SPECIFIED:		RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE - CC DWG. G-145	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
LOCATION:	CONT BUILDING								
ELEVATION:	-4.0 FT.								
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	N/A	----	
ABOVE FLOOD LEVEL:	NO			PROGRESS		PROGRESS			
COORDINATES:	COL 17-18; 20'W	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH									
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS					REFERENCES:				CHECKER : TC 07/30/82 DATE
									SYSTEM: COMPONENT COOLING WATER
									QDEF SHEET NO.-0407

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: FLOW INDICATOR SWITCH			PROGRESS		PROGRESS			
PLANT NUMBER: FIS CC 5770B15	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN	LOCA/MSLB PROFILE	QUALIF'N TESTING IN	SIM. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	44 PSIG.	QUALIF'N TESTING IN	LOCA/MSLB PROFILE	QUALIF'N TESTING IN	SIM. TYPE TEST	----	GENERIC FILE: EQ-IC-3
MODEL AND SERIAL NUMBER: MODEL 580-0	RELATIVE HUMIDITY	100%	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SIM. TYPE TEST	----	
SERVICE DESCRIPTION: RC PMP 1B COOLR CCW OUTLET FLOW			PROGRESS		PROGRFSS			
FUNCTION: SAFETY ANN ALARM	CHEMICAL SPRAY	1750-2150 PPM BOR AS BORIC ACID PH:5.0-9.0	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE - CC DWG. G-145	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
LOCATION: CONT BUILDING ELEVATION: 4.0 FT.			PROGRESS		PROGRESS			
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: NO	SUBMERGENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	N/A	----	
COORDINATES: COL21;20'W	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS				REFERENCES:				SYSTEM: COMPONENT COOLING WATER QDEF SHEET NO. -0408

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT	COOLING WATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	QUALIFIED LIFE IS:
COMPONENT: FLOW INDICATOR SWITCH				PROGRESS		PROGRESS		
PLANT NUMBER: FIS CC 5770B2S	TEMPERATURE	269 DEGF		QUALIF'N TESTING IN	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN	SIM. TYPE TEST	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	144 PSIG.		QUALIF'N TESTING IN	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN	SIM. TYPE TEST	GENERIC FILE: EQ-IC-3
MODEL AND SERIAL NUMBER: MODEL 580-0	RELATIVE HUMIDITY	100%		QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SIM. TYPE TEST	
SERVICE DESCRIPTION: RC PMP 1B COOLR CCW OUTLET FLOW				PROGRESS		PROGRESS		
FUNCTION: SAFETY ANN ALARM	CHEMICAL SPRAY	1750-2150 PPM BOR AS BORBIC ACID PH: 5.0-9.0		QUALIF'N TESTING IN	FSAR TABLE 3.11-1	N/A	N/A	
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD		QUALIF'N TESTING IN	RADIATION MAPS ZONE - CC DWG. G-145	QUALIF'N TESTING IN	SEQ. TYPE TEST	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA		QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST	
LOCATION: CONT BUILDING ELEVATION: -4.0 FT.				PROGRESS		PROGRESS		
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A		QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	SEQ. TYPE TEST	
ABOVE FLOOD LEVEL: NO				PROGRESS		PROGRESS		
COORDINATES: COL 21: '20'W	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
ENVIRON'T IS HARSH								
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS					REFERENCES:			CHECKER: MR 07/30/82 DATE
								SYSTEM: COMPONENT COOLING WATER QDEF SHEET NO.-0409

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	----	QUALIFIED LIFE IS:
COMPONENT: FLOW INDICATOR SWITCH			IN PROGRESS	3.11-2	IN PROGRESS	TEST		
PLANT NUMBER: FIS CC 5770C15	TEMPERATURE	269 DEGF	QUALIF'N TESTING	LOCA/MSLB PROFILE	QUALIF'N TESTING	SIM. TYPE	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	44 PSIG.	QUALIF'N TESTING	LOCA/MSLB PROFILE	QUALIF'N TESTING	SIM. TYPE	----	GENERIC FILE: EQ-IC-3
MODEL AND SERIAL NUMBER: MODEL 580-0	RELATIVE HUMIDITY	100%	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SIM. TYPE	----	
SERVICE DESCRIPTION: RC PMP 2A COOLR CCW OUTLET FLOW			IN PROGRESS	3.11-1	IN PROGRESS	TEST		
FUNCTION: SAFETY ANN ALARM	CHEMICAL SPRAY	1750-2150 PPM BOR AS BORIC ACID	QUALIF'N TESTING	FSAR TABLE	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD	QUALIF'N TESTING	RADIATION MAPS	QUALIF'N TESTING	SEQ. TYPE	----	
ACCURACY DEMONS.:		BETA= 327 MRAD	IN PROGRESS	ZONE - CC DWG. G-145	IN PROGRESS	TEST		
LOCATION: CONT BUILDING	AGING	40 YEARS PLUS	QUALIF'N TESTING	FSAR PARAGRAPH	QUALIF'N TESTING	SEQ. TYPE	----	
ELEVATION: -4.0 FT.		120 DAYS POST DBA	IN PROGRESS	3.11.1	IN PROGRESS	TEST		
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	QUALIF'N TESTING	N/A	QUALIF'N TESTING	N/A		
ABOVE FLOOD LEVEL: NO			IN PROGRESS		IN PROGRESS			
COORDINATES: COL5-6; '20'E	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:							PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS								CHECKER :TC 07/30/82 DATE
								SYSTEM: COMPONENT COOLING WATER
								QDEF SHEET NO.-0410

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
SYSTEM:	COMPONENT	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
	COOLING WATER	! OPERATING TIME	!! 120 DAYS	! QUALIF'N TESTING	! FSAR TABLE	! QUALIF'N TESTING	! SEQ. TYPE	! ----	! QUALIFIED LIFE IS:
COMPONENT:	FLOW INDICATOR SWITCH	! !!	! !!	! IN PROGRESS	! 3.11-2	! IN PROGRESS	! TEST	! !	! !
PLANT NUMBER:	FIS CC 5770C25	! TEMPERAT- URE	!! 269 DEGF	! QUALIF'N TESTING	! LOCA/MSLB PROFILE	! QUALIF'N TESTING	! SIM. TYPE	! ----	! MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	ITT BARTON	! PRESSURE	!! 44 PSIG.	! QUALIF'N TESTING	! LOCA/MSLB PROFILE	! QUALIF'N TESTING	! SIM. TYPE	! ----	! GENERIC FILE: EQ-IC-3
MODEL AND SERIAL NUMBER:	MODEL 580-0	! RELATIVE HUMIDITY	!! 100%	! QUALIF'N TESTING	! FSAR TABLE	! QUALIF'N TESTING	! SIM. TYPE	! ----	! !
SERVICE DESCRIPTION:	RC PMP 2A COOLR CCW OUTLET FLOW	! !!	! !!	! IN PROGRESS	! 3.11-1	! IN PROGRESS	! TEST	! !	! !
FUNCTION:	SAFETY ANN ALARM	! CHEMICAL SPRAY	!! 1750-2150 PPM BOR AS BORIC ACID PH:5.0-9.0	! QUALIF'N TESTING	! FSAR TABLE	! N/A	! N/A	! !	! !
ACCURACY SPECIFIED:		! RADIATION	!! GAMMA= 33 MRAD	! QUALIF'N TESTING	! RADIATION MAPS	! QUALIF'N TESTING	! SEQ. TYPE	! ----	! !
ACCURACY DEMONS.:		! !! BETA=	!! 327 MRAD	! IN PROGRESS	! ZONE - CC DWG. G-145	! IN PROGRESS	! TEST	! !	! !
LOCATION:	CONT BUILDING	! AGING	!! 40 YEARS PLUS	! QUALIF'N TESTING	! FSAR PARAGRAPH	! QUALIF'N TESTING	! SEQ. TYPE	! ----	! !
ELEVATION:	-4.0 FT.	! !!	!! 120 DAYS POST DBA	! IN PROGRESS	! 3.11.1	! IN PROGRESS	! TEST	! !	! !
FLOOD LEVEL EL:	+0.5 FEET	! SUBMER- GENCE	!! N/A	! QUALIF'N TESTING	! N/A	! QUALIF'N TESTING	! N/A	! ----	! !
ABOVE FLOOD LEVEL:	NO	! !!	! !!	! IN PROGRESS	! !	! IN PROGRESS	! !	! !	! !
COORDINATES:	COL5-6; '20'E	! INDEX FOR INCONSISTENCY!			! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:			! !	! !
ENVIRON'T IS HARSH		! (IF REQUIRED)			! !			! !	! REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		! O!			! !			! !	! PREPARER: MR 07/30/82
QUALIF STATUS:		! T!			! !			! !	! DATE
QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS		! P!			! !			! !	! CHECKER : TC 07/30/82
		! H!			! !			! !	! DATE
		! C!			! !			! !	! SYSTEM: COMPONENT
		! R!			! !			! !	! COOLING WATER
		! A!			! !			! !	! QDEF SHEET NO. -0411
		! S!			! !			! !	

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	----	QUALIFIED LIFE IS:
COMPONENT:	FLOW INDICATOR SWITCH			IN PROGRESS	3.11-2	IN PROGRESS	TEST		
PLANT NUMBER:	FIS CC 5770D1S	TEMPERATURE	269 DEG F	QUALIF'N TESTING	LOCA/MSLB PROFILE	QUALIF'N TESTING	SIM. TYPE	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	ITT BARTON	PRESSURE	144 PSIG.	QUALIF'N TESTING	LOCA/MSLB PROFILE	QUALIF'N TESTING	SIM. TYPE	----	GENERIC FILE: EQ-IC-3
MODEL AND SERIAL NUMBER:	MODEL 580-O	RELATIVE HUMIDITY	100%	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SIM. TYPE	----	
SERVICE DESCRIPTION:	RC PMP 2B COOLR CCW OUTLET FLOW			IN PROGRESS	3.11-1	IN PROGRESS	TEST		
FUNCTION:	SAFETY ANN ALARM	CHEMICAL SPRAY	1750-2150 PPM BOR AS	QUALIF'N TESTING	FSAR TABLE	N/A	N/A		
ACCURACY SPECIFIED:		RADIATION	GAMMA= 33 MRAD	QUALIF'N TESTING	RADIATION MAPS	QUALIF'N TESTING	SEQ. TYPE	----	
ACCURACY DEMONS.:			BETA= 327 MRAD	IN PROGRESS	ZONE - CC DWG. G-145	IN PROGRESS	TEST		
LOCATION:	CONT BUILDING	AGING	40 YEARS PLUS	QUALIF'N TESTING	FSAR PARAGRAPH	QUALIF'N TESTING	SEQ. TYPE	----	
ELEVATION:	-4.0 FT.		120 DAYS POST DBA	IN PROGRESS	3.11.1	IN PROGRESS	TEST		
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	N/A	QUALIF'N TESTING	N/A	QUALIF'N TESTING	N/A	----	
ABOVE FLOOD LEVEL:	NO			IN PROGRESS		IN PROGRESS			
COORDINATES:	COL9-10; '20'E	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS	HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO	REFERENCES:							PREPARER: MR 07/30/82 DATE
QUALIF STATUS:	QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS								CHECKER : TC 07/30/82 DATE
									SYSTEM: COMPONENT COOLING WATER
									QDEF SHEET NO. -0412

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	----	QUALIFIED LIFE IS:	
COMPONENT: FLOW INDICATOR SWITCH			IN PROGRESS	3.11-2	IN PROGRESS	TEST			
PLANT NUMBER: FIS CC 5770D25	TEMPERATURE	269 DEGF	QUALIF'N TESTING	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING	SIM. TYPE	----	MAINTENANCE / REPLACEMENT SCHED:	
MANUFACTURER: ITT BARTON	PRESSURE	44 PSIG.	QUALIF'N TESTING	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING	SIM. TYPE	----	GENERIC FILE: EQ-IC-3	
MODEL AND SERIAL NUMBER: MODEL 580-0	RELATIVE HUMIDITY	100%	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SIM. TYPE	----		
SERVICE DESCRIPTION: RC PMP 2B COOLR CCW OUTLET FLOW			IN PROGRESS	3.11-1	IN PROGRESS	TEST			
FUNCTION: SAFETY ANN ALARM	CHEMICAL SPRAY	1750-2150 PPM BOR AS	QUALIF'N TESTING	FSAR TABLE	N/A	N/A			
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD	QUALIF'N TESTING	RADIATION MAPS	QUALIF'N TESTING	SEQ. TYPE	----		
ACCURACY DEMONS.:		BETA= 327 MRAD	IN PROGRESS	ZONE - CC DWG. G-145	IN PROGRESS	TEST			
LOCATION: CONT BUILDING	AGING	40 YEARS PLUS	QUALIF'N TESTING	FSAR PARAGRAPH	QUALIF'N TESTING	SEQ. TYPE	----		
ELEVATION: -4.0 FT.		120 DAYS POST DBA	IN PROGRESS	3.11.1	IN PROGRESS	TEST			
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	QUALIF'N TESTING	N/A	QUALIF'N TESTING	N/A	----		
ABOVE FLOOD LEVEL: NO			IN PROGRESS		IN PROGRESS				
COORDINATES: COL9-10; '20'E	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO. -01
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								PREPARER: MR 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:								DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS									CHECKER : TC 07/30/82
									DATE
									SYSTEM: COMPONENT
									COOLING WATER
									QDEF SHEET NO. -0413

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: FEEDWATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	----	QUALIFIED LIFE IS:
COMPONENT: FLOW INDICATOR SWITCH			IN PROGRESS	3.11-2	IN PROGRESS	TEST		
PLANT NUMBER: FIS FW 8330 AS	TEMPERATURE	150 DEGF	QUALIF'N TESTING	TEMP MAP G-137	QUALIF'N TESTING	SIM. TYPE	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	1 ATMOS.	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SIM. TYPE	----	GENERIC FILE: EQ-IC-3
MODEL AND SERIAL NUMBER: MODEL 580-1	RELATIVE HUMIDITY	20%-90%	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SIM. TYPE	----	INSTRUMENT LOCATION: C39
SERVICE DESCRIPTION: EMERG FW TO SG1 SAFETY ANN.....			IN PROGRESS	3.11-1	IN PROGRESS	TEST		
FUNCTION: SAFETY ANN INTERLOCK	CHEMICAL SPRAY	N/A	N/A	FSAR TABLE	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	10,000 RAD	QUALIF'N TESTING	RADIATION MAPS	QUALIF'N TESTING	SEQ. TYPE	----	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS	QUALIF'N TESTING	FSAR PARAGRAPH	QUALIF'N TESTING	SEQ. TYPE	----	
LOCATION: AUX BUILDING		120 DAYS POST DBA	IN PROGRESS	3.11.1	IN PROGRESS	TEST		
ELEVATION: -35.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	QUALIF'N TESTING	N/A	QUALIF'N TESTING	N/A		
ABOVE FLOOD LEVEL: NO			IN PROGRESS		IN PROGRESS			
COORDINATES: K-L; 4A-5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH			O!					PREPARER: MR 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION: NO			T!					DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS			P!	REFERENCES:				CHECKER :TC 07/30/82
			H!					DATE
			C!					
			R!					SYSTEM: FEEDWATER
			A!					
			S!					QDEF SHEET NO. -0414

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: FEEDWATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: FLOW INDICATOR SWITCH			PROGRESS	PROGRESS	PROGRESS			
PLANT NUMBER: FIS FW 8330 BS	TEMPERATURE	150 DEGF	QUALIF'N TESTING IN	TEMP MAP G-137	QUALIF'N TESTING IN	SIM. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SIM. TYPE TEST	----	GENERIC FILE: EQ-IC-3
MODEL AND SERIAL NUMBER: MODEL 580-1	RELATIVE HUMIDITY	20%-90%	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SIM. TYPE TEST	----	
SERVICE DESCRIPTION: EMERG FW TO SG2 SAFETY ANN			PROGRESS	PROGRESS	PROGRESS			
FUNCTION: SAFETY ANN INTERLOCK	CHEMICAL SPRAY	N/A	N/A	FSAR TABLE 3.11-1	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	10000 RAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE - A DWG. G-137	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
LOCATION: AUX BUILDING			PROGRESS	PROGRESS	PROGRESS			
ELEVATION: -35.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	N/A	----	
ABOVE FLOOD LEVEL: NO			PROGRESS	PROGRESS	PROGRESS			
COORDINATES: K-L; 5A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE! (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS				REFERENCES:				CHECKER : TC 07/30/82
								DATE
								SYSTEM: FEEDWATER
								QDEF SHEET NO.-0415

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: FEEDWATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: FLOW INDICATOR SWITCH								
PLANT NUMBER: FIS FW 8331A5	TEMPERATURE	104 DEGF	QUALIF'N TESTING IN PROGRESS	TEMP MAP G-137	QUALIF'N TESTING IN PROGRESS	SIM. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SIM. TYPE TEST	----	GENERIC FILE: EQ-IC-3
MODEL AND SERIAL NUMBER: MODEL 580-1	RELATIVE HUMIDITY	20%-90%	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SIM. TYPE TEST	----	
SERVICE DESCRIPTION: EMERG FW TO SG2 SAFETY ANN								
FUNCTION: SAFETY ANN INTERLOCK	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	800000 RAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE - C DWG. G-137	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: NO	SUBMERGENCE	N/A	QUALIF'N TESTING IN PROGRESS	N/A	QUALIF'N TESTING IN PROGRESS	N/A		
COORDINATES: J-K; 5A-6A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:			REVISION NO.-01	
ENVIRON'T IS HARSH								
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS				REFERENCES:				
								PREPARER: MR 07/30/82 DATE
								CHECKER : TC 07/30/82 DATE
								SYSTEM: FEEDWATER
								QDEF SHEET NO.-0416

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: FEEDWATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: FLOW INDICATOR SWITCH				3.11-2				
PLANT NUMBER: FIS FW 8331BS	TEMPERATURE	104 DEGF	QUALIF'N TESTING IN PROGRESS	TEMP MAP G-137	QUALIF'N TESTING IN PROGRESS	SIM. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN PROGRESS	FSAR TABLE	QUALIF'N TESTING IN PROGRESS	SIM. TYPE TEST	----	GENERIC FILE: EQ-IC-3
MODEL AND SERIAL NUMBER: MODEL 580-1	RELATIVE HUMIDITY	20%-90%	QUALIF'N TESTING IN PROGRESS	FSAR TABLE	QUALIF'N TESTING IN PROGRESS	SIM. TYPE TEST	----	
SERVICE DESCRIPTION: EMERG FW TO SG1 SAFETY ANN				3.11-1				
FUNCTION: SAFETY ANN INTERLOCK	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	800000 RAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
LOCATION: AUX BUILDING		120 DAYS POST DBA		3.11.1				
ELEVATION: -35.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	QUALIF'N TESTING IN PROGRESS	N/A	QUALIF'N TESTING IN PROGRESS	N/A		
ABOVE FLOOD LEVEL: NO								
COORDINATES: K-L; 4A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	REFERENCES:							PREPARER:MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS								CHECKER :TC 07/30/82 DATE
								SYSTEM:FEEDWATER
								QDEF SHEET NO.-0417

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	! OPERATING	!!	! QUALIF'N	! FSAR TABLE	! QUALIF'N	! SEQ.	! ----	! QUALIFIED	
	! TIME	!! 120 DAYS	! TESTING	!	! TESTING	! TYPE	!	! LIFE IS:	
COMPONENT: FLOW INDICATOR SWITCH	! !	!!	! IN	! 3.11-2	! IN	! TEST	!	!	
	! !	!!	! PROGRESS	!	! PROGRESS	!	!	!	
PLANT NUMBER: DPIS HV5051AS	! TEMPERAT-	!!	! QUALIF'N	! TEMP MAP	! QUALIF'N	! SIM.	! ----	! MAINTENANCE /	
	! URE	!! 104 DEGF	! TESTING	! G-134	! TESTING	! TYPE	!	! REPLACEMENT SCHD:	
	! !	!!	! IN	!	! IN	! TEST	!	!	
	! !	!!	! PROGRESS	!	! PROGRESS	!	!	!	
MANUFACTURER: ITT BARTON	! PRESSURE	!!	! QUALIF'N	! FSAR TABLE	! QUALIF'N	! SIM.	! ----	!	
	! !	!!! ATMOS.	! TESTING	!	! TESTING	! TYPE	!	! GENERIC FILE:	
	! !	!!	! IN	! 3.11	! IN	! TEST	!	! EQ-IC-3	
	! !	!!	! PROGRESS	!	! PROGRESS	!	!	!	
MODEL AND SERIAL NUMBER: MODEL 581-1	! RELATIVE	!!	! QUALIF'N	! FSAR TABLE	! QUALIF'N	! SIM.	! ----	!	
	! HUMIDITY	!! 20%-90%	! TESTING	! 3.11-1	! TESTING	! TYPE	!	!	
SERVICE DESCRIPTION: SBVS A TRAIN DIFF PRESS	! !	!!	! IN	!	! IN	! TEST	!	!	
	! !	!!	! PROGRESS	!	! PROGRESS	!	!	!	
FUNCTION: ANNUNCIATION INTERLOCK	! CHEMICAL	!!	!	!	!	!	!	!	
	! SPRAY	!! N/A	! N/A	! N/A	! N/A	! N/A	!	!	
	! !	!!	!	!	!	!	!	!	
	! !	!!	!	!	!	!	!	!	
ACCURACY SPECIFIED:	! RADIATION	!!	! QUALIF'N	! RADIATION	! QUALIF'N	! SEQ.	! ----	!	
	! !	!! 2.5 MRAD	! TESTING	! MAPS	! TESTING	! TYPE	!	!	
	! !	!!	! IN	! ZONE - M	! IN	! TEST	!	!	
ACCURACY DEMONS.:	! !	!!	! PROGRESS	! DWG. G-134	! PROGRESS	!	!	!	
	! AGING	!! 40 YEARS	! QUALIF'N	! FSAR	! QUALIF'N	! SEQ.	! ----	!	
	! !	!! PLUS	! TESTING	! PARAGRAPH	! TESTING	!	!	!	
LOCATION: AUX BUILDING	! !	!! 120 DAYS	! IN	!	! IN	!	!	!	
ELEVATION: +46.0 FT.	! !	!! POST DBA	! PROGRESS	! 3.11.1	! PROGRESS	!	!	!	
	! !	!!	!	!	!	!	!	!	
FLOOD LEVEL EL: N/A FEET	! SUBMER-	!!	! QUALIF'N	!	! QUALIF'N	!	! ----	!	
	! GENGE	!! N/A	! TESTING	! N/A	! TESTING	! N/A	!	!	
	! !	!!	! IN	!	! IN	!	!	!	
ABOVE FLOOD LEVEL: NO	! !	!!	! PROGRESS	!	! PROGRESS	!	!	!	
COORDINATES: K-L; 6A-7A	! INDEX FOR INCONSISTENCY!							!	!
	! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!	!
	! (IF REQUIRED) !							!	!
ENVIRON'T IS HARSH	!							!	! REVISION NO. -01
	!							!	!
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	!							!	! PREPARER: MR 07/30/82
QUALIF STATUS:	!							!	! DATE
QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS	!							!	! CHECKER :TC 07/30/82
	!							!	! DATE
	!							!	!
	!							!	! SYSTEM: H & V EQUIP.
	!							!	! ROOM VENTIL'TN
	!							!	! QDEF SHEET NO. -0418

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	----	QUALIFIED LIFE IS:
COMPONENT: FLOW INDICATOR SWITCH			IN PROGRESS	3.11-2	IN PROGRESS	TEST		
PLANT NUMBER: DPIS HV5051BS	TEMPERATURE	104 DEGF	QUALIF'N TESTING	TEMP MAP G-134	QUALIF'N TESTING	SIM. TYPE	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	1 ATMOS.	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SIM. TYPE	----	GENERIC FILE: EQ-IC-3
MODEL AND SERIAL NUMBER: MODEL 581-1	RELATIVE HUMIDITY	20%-90%	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SIM. TYPE	----	
SERVICE DESCRIPTION: SBVS B TRAIN DIFF PRESS			IN PROGRESS	3.11-1	IN PROGRESS	TEST		
FUNCTION: ANNUNCIATION INTERLOCK	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	2.5 MRAD	QUALIF'N TESTING	RADIATION MAPS	QUALIF'N TESTING	SEQ. TYPE	----	
ACCURACY DEMONS.:			IN PROGRESS	ZONE - M DWG. G-134	IN PROGRESS	TEST		
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING	FSAR PARAGRAPH	QUALIF'N TESTING	SEQ.	----	
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: NO	SUBMERGENCE	N/A	QUALIF'N TESTING	N/A	QUALIF'N TESTING	N/A	----	
COORDINATES: K-L; 3A-4A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH							REVISION NO. -01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO							PREPARER: MR 07/30/82 DATE	
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS							CHECKER :TC 07/30/82 DATE	
	REFERENCES:						SYSTEM: H & V EQUIP. ROOM VENTIL'TN QDEF SHEET NO. -0419	

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:	
COMPONENT:	FLOW INDICATOR SWITCH			PROGRESS		PROGRESS				
PLANT NUMBER:	DPIS HV5220AS	TEMPERATURE	135F	QUALIF'N TESTING IN	TEMP MAP G-144	QUALIF'N TESTING IN	SIM. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ITT BARTON	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN	FSAR TABLE	QUALIF'N TESTING IN	SIM. TYPE TEST	----	GENERIC FILE: EQ-IC-3	
MODEL AND SERIAL NUMBER:	MODEL 581-1	RELATIVE HUMIDITY	20%-90%	QUALIF'N TESTING IN	FSAR TABLE	QUALIF'N TESTING IN	SIM. TYPE TEST	----	INSTRUMENT LOCATION: C3A	
SERVICE DESCRIPTION:	CONT-ANNULUS DIFF PRESS			PROGRESS		PROGRESS				
FUNCTION:	ANNUNCIATION INTERLOCK	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A			
ACCURACY SPECIFIED:		RADIATION	190 RADS	QUALIF'N TESTING IN	RADIATION MAPS ZONE - EE	QUALIF'N TESTING IN	SEQ. TYPE TEST	----		
ACCURACY DEMONS.:				PROGRESS	DWG. G-144	PROGRESS				
LOCATION:	AUX BUILDING	AGING	40 YEARS PLUS	QUALIF'N TESTING IN	FSAR PARAGRAPH	QUALIF'N TESTING IN	SEQ.	----		
ELEVATION:	+21.0 FT.		120 DAYS POST DBA	PROGRESS	3.11.1	PROGRESS				
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	N/A	----		
ABOVE FLOOD LEVEL:				PROGRESS		PROGRESS				
COORDINATES:	M-L: 4A-5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:		REVISION NO. -01
ENVIRON'T IS HARSH										PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO										CHECKER: TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS								REFERENCES:		SYSTEM: H & V EQUIP. ROOM VENTIL'TN QDEF SHEET NO. -0420

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: FLOW INDICATOR SWITCH			PROGRESS		PROGRESS			
PLANT NUMBER: DPIS HV5220BS	TEMPERATURE	104 DEGF	QUALIF'N TESTING IN	TEMP MAP G-144	QUALIF'N TESTING IN	SIM. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: ITT BARTON	PRESSURE	ATMOS.	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SIM. TYPE TEST	----	GENERIC FILE: EQ-IC-3
MODEL AND SERIAL NUMBER: MODEL 581-1	RELATIVE HUMIDITY	20%-90%	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SIM. TYPE TEST	----	INSTRUMENT LOCATION: C3B
SERVICE DESCRIPTION: CONT-ANNULUS DIFF PRESS	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED	RADIATION	190 RADS	QUALIF'N TESTING IN	RADIATION MAPS ZONE - EE DWG. G-144	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ.	----	
LOCATION: AJX BUILDING ELEVATION: +21.0 FT.	SUBMERGENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	N/A		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL:			PROGRESS		PROGRESS			
COORDINATES: M; 9A-10A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRONMENT IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:							PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS								CHECKER: TC 07/30/82 DATE
								SYSTEM: H & V EQUIP. ROOM VENTIL'TN
								QDEF SHEET NO. -0421

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	----	QUALIFIED LIFE IS:
COMPONENT: FLOW INDICATOR SWITCH			IN PROGRESS	3.11-2	IN PROGRESS	TEST		
PLANT NUMBER: DPIS HV5221AS	TEMPERATURE	135 DEGF	QUALIF'N TESTING	TEMP MAP G-144	QUALIF'N TESTING	SIM. TYPE	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	1 ATMOS.	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SIM. TYPE	----	GENERIC FILE: EQ-IC-3
MODEL AND SERIAL NUMBER: MODEL 581-1	RELATIVE HUMIDITY	20%-90%	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SIM. TYPE	----	INSTRUMENT LOCATION: C3A
SERVICE DESCRIPTION: CONT-ANNULUS DIFF PRESS			IN PROGRESS	3.11-1	IN PROGRESS	TEST		
FUNCTION: ANNUNCIATION INTERLOCK	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A	----	
ACCURACY SPECIFIED:	RADIATION	190 RADS	QUALIF'N TESTING	RADIATION MAPS	QUALIF'N TESTING	SEQ. TYPE	----	
ACCURACY DEMONS.:			IN PROGRESS	ZONE - EE DWG. G-144	IN PROGRESS	TEST		
LOCATION: AUX BUILDING ELEVATION: +21.0 FT.	AGING	40 YEARS PLUS	QUALIF'N TESTING	FSAR PARAGRAPH	QUALIF'N TESTING	SEQ.	----	
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL:	SUBMERGENCE	N/A	QUALIF'N TESTING	3.11.1	QUALIF'N TESTING	N/A	----	
COORDINATES: M-L; 4A-5A	! INDEX FOR INCONSISTENCY!							
ENVIRONMENT IS HARSH	! ANALYSIS IN WORKFILE (IF REQUIRED)							! OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								! REVISION NO. -01
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS								! PREPARER: MR 07/30/82 DATE
								! CHECKER: TC 07/30/82 DATE
								! SYSTEM: H & V EQUIP. ROOM VENTIL'TN
								! QDEF SHEET NO. -0422

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	----	QUALIFIED LIFE IS:
COMPONENT: FLOW INDICATOR SWITCH			IN PROGRESS	3.11-2	IN PROGRESS	TEST		
PLANT NUMBER: DPIS HV5221BS	TEMPERATURE	104 DEGF	QUALIF'N TESTING	TEMP MAP G-144	QUALIF'N TESTING	SIM. TYPE	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	1 ATMOS.	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SIM. TYPE	----	GENERIC FILE: EQ-IC-3
MODEL AND SERIAL NUMBER: MODEL 581-1	RELATIVE HUMIDITY	20%-90%	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SIM. TYPE	----	INSTRUMENT LOCATION: C3B
SERVICE DESCRIPTION: CONT-ANNULUS DIFF PRESS			IN PROGRESS	3.11-1	IN PROGRESS	TEST		
FUNCTION: ANNUNCIATION INTERLOCK	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A	----	
ACCURACY SPECIFIED:	RADIATION	190 RADS	QUALIF'N TESTING	RADIATION MAPS	QUALIF'N TESTING	SEQ. TYPE	----	
ACCURACY DEMONS.:			IN PROGRESS	ZONE - EE DWG. G-144	IN PROGRESS	TEST		
LOCATION: AUX BUILDING ELEVATION: +21.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING	FSAR PARAGRAPH	QUALIF'N TESTING	SEQ.	----	
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL:	SUBMERGENCE	N/A	QUALIF'N TESTING	N/A	QUALIF'N TESTING	N/A	----	
COORDINATES: M; 9A-10A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS				REFERENCES:				SYSTEM: H & V EQUIP. ROOM VENTIL'TN QDEF SHEET NO. -0423

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION			QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	!!	FSAR TABLE	!!	SEQ.	----	QUALIFIED LIFE IS:	
COMPONENT: FLOW INDICATOR SWITCH			!!	3.11-2	!!	TEST			
PLANT NUMBER: DPIS HV5257AS	TEMPERATURE	104 DEGF	!!	TEMP MAP G-134	!!	SIM. TYPE	----	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ITT BARTON	PRESSURE	1 ATMOS.	!!	FSAR TABLE	!!	SIM. TYPE	----	GENERIC FILE: EQ-IC-3	
MODEL AND SERIAL NUMBER: MODEL 581-1	RELATIVE HUMIDITY	20% 90%	!!	3.11-1	!!	TEST			
SERVICE DESCRIPTION: CVAS FLTR TRN B DIFF PRESSURE			!!		!!	TEST			
FUNCTION: INTERLOCK	CHEMICAL SPRAY	N/A	!!	N/A	!!	N/A			
ACCURACY SPECIFIED:	RADIATION	2.5 MRAD	!!	RADIATION MAPS	!!	SEQ. TYPE	----		
ACCURACY DEMONS.:			!!	ZONE - M DWG. G-134	!!	TEST			
LOCATION: AUX BUILDING ELEVATION: +50.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	!!	FSAR PARAGRAPH 3.11.1	!!	SEQ.	----		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: NO	SUBMERGENCE	N/A	!!	N/A	!!	N/A			
COORDINATES: J-K;6A-7A	INDEX FOR INCONSISTENCY!			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01	
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)			REFERENCES:				PREPARER:MR 07/30/82 DATE	
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	O!							CHECKER :TC 07/30/82 DATE	
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS	T!							SYSTEM:H & V EQUIP. ROOM VENTIL'TN QDEF SHEET NO.-0424	
	P!								
	H!								
	C!								
	R!								
	A!								
	S!								

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: FLOW INDICATOR SWITCH			PROGRESS		PROGRESS			
PLANT NUMBER: DPIS HV5257BS	TEMPERATURE	104 DEGF	QUALIF'N TESTING IN	TEMP MAP G-134	QUALIF'N TESTING IN	SIM. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	ATMOS.	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SIM. TYPE TEST	----	GENERIC FILE: EQ-IC-3
MODEL AND SERIAL NUMBER: MODEL 581-1	RELATIVE HUMIDITY	20%-90%	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SIM. TYPE TEST	----	
SERVICE DESCRIPTION: CVAS FLTR TRN A DIFF PRESSURE			PROGRESS		PROGRESS			
FUNCTION: INTERLOCK	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	2.5 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE - M DWG. G-134	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:			PROGRESS		PROGRESS			
LOCATION: AUX BUILDING ELEVATION: +50.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ.	----	
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	N/A	----	
ABOVE FLOOD LEVEL: NO			PROGRESS		PROGRESS			
COORDINATES: K ;6A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	REFERENCES:							PREPARER:MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS								CHECKER :TC 07/30/82 DATE
								SYSTEM:H & V EQUIP. ROOM VENTIL'TN
								QDEF SHEET NO.-0425

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	METHOD	TENCY ANALYZED		
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	QUALIFIED LIFE IS:	
COMPONENT: DIFF. PRESSURE TRANSMITTER								
PLANT NUMBER: DPT HV 5271AS	TEMPERATURE	148 DEGF POST DBA	QUALIF'N TESTING IN PROGRESS	TEMPERATURE MAP G-145	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ITT BARTON	PRESSURE	ATMOS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: MODEL 765	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
SERVICE DESCRIPTION: RAB PIPE CHASE/AMB. DIF. PRESS								
FUNCTION: INPUT PROCESS ANALOG CONTROL	CHEMICAL SPRAY	NOT APPLICABLE - OUTSIDE CONT.	QUALIF'N TESTING IN PROGRESS	NOT APPLICABLE	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
ACCURACY SPECIFIED:	RADIATION	1.1 MRAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE -FF G - 145	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: 0.0 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	QUALIF'N TESTING IN PROGRESS	N/A	QUALIF'N TESTING IN PROGRESS	N/A		
COORDINATES: M-L; 3A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)		OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01	
ENVIRON'T IS HARSH							PREPARER: MR 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO							DATE	
QUALIF STATUS: QUALIFICATION PENDING TESTING TO IEEE-323-1974 IN PROGRESS							CHECKER :TC 07/30/82	
							DATE	
							SYSTEM: CONTROLLED	
							AREA VENTIL'N	
							QDEF SHEET NO. -0450	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION			QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE 3.11-2	QUALIF'N TESTING	SEQ. TYPE	----	QUALIFIED LIFE IS:	
COMPONENT: DIFF. PRESSURE TRANSMITTER			IN PROGRESS		IN PROGRESS	TEST			
PLANT NUMBER: DPT HV 5272AS	TEMPERATURE	148 DEGF POST DBA	QUALIF'N TESTING	TEMPERATURE MAP G-145	QUALIF'N TESTING	SEQ. TYPE	----	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ITT BARTON	PRESSURE	1 ATMOS	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE	----		
MODEL AND SERIAL NUMBER: MODEL 765	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE	----		
SERVICE DESCRIPTION: RAB PIPE PEN. AREA/AMB DIF PR			IN PROGRESS		IN PROGRESS	TEST			
FUNCTION: INPUT PROCESS ANALOG CONTROL	CHEMICAL SPRAY	NOT APPLICABLE	QUALIF'N TESTING	NOT APPLICABLE	QUALIF'N TESTING	SEQ. TYPE	----		
ACCURACY SPECIFIED:	RADIATION	1.1 MRAD	QUALIF'N TESTING	RADIATION MAPS ZONE -FF	QUALIF'N TESTING	SEQ. TYPE	----		
ACCURACY DEMONS.:			IN PROGRESS	G - 145	IN PROGRESS	TEST			
LOCATION: AUX BUILDING ELEVATION: 0.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING	SEQ. TYPE	----		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	QUALIF'N TESTING	N/A	QUALIF'N TESTING	SEQ. TYPE	----		
ABOVE FLOOD LEVEL: N/A			IN PROGRESS		IN PROGRESS	TEST			
COORDINATES: P-N: 2AZ-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:								PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS									CHECKER : TC 07/30/82 DATE
									SYSTEM: CONTROLLED AREA VENTIL'N
									QDEF SHEET NO.-0452

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION			QUALIFIC.	INCONSIS-	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE 3.11-2	QUALIF'N TESTING	SEQ. TYPE	----	QUALIFIED LIFE IS:	
COMPONENT:	DIFF. PRESSURE TRANSMITTER			IN PROGRESS		IN PROGRESS	TEST			
PLANT NUMBER:	DPT HV 5272AS	TEMPERATURE	148 DEGF POST DBA	QUALIF'N TESTING	TEMPERATURE MAP G-145	QUALIF'N TESTING	SEQ. TYPE	XXXX	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ITT BARTON	PRESSURE	1 ATMOS	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE	XXXX		
MODEL AND SERIAL NUMBER:	MODEL 765	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE	XXXX		
SERVICE DESCRIPTION:	RAB PIPE PEN. AREA/AMB DIF PR			IN PROGRESS		IN PROGRESS	TEST			
FUNCTION:	INPUT PROCESS ANALOG CONTROL	CHEMICAL SPRAY	NOT APPLICABLE	QUALIF'N TESTING	NOT APPLICABLE	QUALIF'N TESTING	SEQ. TYPE	----		
ACCURACY SPECIFIED:		RADIATION	1.1 MRAD	QUALIF'N TESTING	RADIATION MAPS ZONE -FF	QUALIF'N TESTING	SEQ. TYPE	XXXX		
ACCURACY DEMONS.:				IN PROGRESS	G - 145	IN PROGRESS	TEST			
LOCATION:	AUX BUILDING	AGING	40 YEARS PLUS	QUALIF'N TESTING	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING	SEQ. TYPE	XXXX		
ELEVATION:	0.0 FT.		120 DAYS POST DBA	IN PROGRESS		IN PROGRESS	TEST			
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/A	QUALIF'N TESTING	N/A	QUALIF'N TESTING	N/A	XXXX		
ABOVE FLOOD LEVEL:	N/A			IN PROGRESS		IN PROGRESS				
COORDINATES:	N-M; 11A-11AZ	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: ! (IF REQUIRED) !								
ENVIRON'T IS HARSH									! REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									! PREPARER: MR 07/30/82	
QUALIF STATUS:									! DATE	
QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS					REFERENCES:				! CHECKER : TC 07/30/82	
									! DATE	
									! SYSTEM: CONTROLLED	
									! AREA VENTIL'N	
									! QDEF SHEET NO.-0453	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SHUTDOWN HT EXCHGR RM A/C	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: DIFF. PRESSURE TRANSMITTER			PROGRESS		PROGRESS			
PLANT NUMBER: DPT HV 5273AS	TEMPERATURE	150 DEGF POST DBA	QUALIF'N TESTING IN	TEMPERATURE MAP	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	1 ATMOS	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
MODEL AND SERIAL NUMBER: MODEL 765	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
SERVICE DESCRIPTION: SHTDN HT EXCHGR RM AMB DIF PRES			PROGRESS		PROGRESS			
FUNCTION: INPUT PROCESS ANALOG CONTROL	CHEMICAL SPRAY	NOT APPLICABLE	QUALIF'N TESTING IN	NOT APPLICABLE	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
ACCURACY SPECIFIED:	RADIATION	1.1 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE -FF	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
ACCURACY DEMONS.:			PROGRESS	G - 145	PROGRESS			
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
FLOOD LEVEL EL: N/A FEET	SUBMLR- GENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
ABOVE FLOOD LEVEL: N/A			PROGRESS		PROGRESS			
COORDINATES: J ; 11A-12A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS				REFERENCES:				SYSTEM: SHUTDOWN HT EXCHGR RM A/C QDEF SHEET NO. -0454

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: SHUTDOWN HT EXCHGR RM A/C	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: DIFF. PRESSURE TRANSMITTER								
PLANT NUMBER: DPT HV 5273BS	TEMPERATURE	150 DEG POST DBA	QUALIF'N TESTING IN PROGRESS	TEMPERATURE MAP G-137	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	XXXX	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	1 ATMOS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	XXXX	
MODEL AND SERIAL NUMBER: MODEL 765	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	XXXX	
SERVICE DESCRIPTION: SHTDN HT EXCHGR RM AMB DIF PRES								
FUNCTION: INPUT PROCESS ANALOG CONTROL	CHEMICAL SPRAY	NOT APPLICABLE	QUALIF'N TESTING IN PROGRESS	NOT APPLICABLE	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	XXXX	
ACCURACY SPECIFIED:	RADIATION	10,000 RADS	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE - A G - 137	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	XXXX	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	XXXX	
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	QUALIF'N TESTING IN PROGRESS	N/A	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	XXXX	
COORDINATES: J-H; 10A-11A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS				REFERENCES:				CHECKER : TC 07/30/82 DATE
								SYSTEM: SHUTDOWN HT EXCHGR RM A/C QDEF SHEET NO. -0455

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:	
COMPONENT: DIFF. PRESSURE TRANSMITTER			PROGRESS		PROGRESS				
PLANT NUMBER: DPT HV 5274AS	TEMPERATURE	150 DEGF POST DBA	QUALIF'N TESTING IN	TEMPERATURE MAP G-137	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ITT BARTON	PRESSURE	ATMOS	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX		
MODEL AND SERIAL NUMBER: MODEL 765	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX		
SERVICE DESCRIPTION: RAB VLV GALLERY / AMB DIF PRESS			IN		IN	TEST			
			PROGRESS		PROGRESS				
FUNCTION: INPUT PROCESS ANALOG CONTROL	CHEMICAL SPRAY	NOT APPLICABLE	QUALIF'N TESTING IN	NOT APPLICABLE	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX		
ACCURACY SPECIFIED:	RADIATION	10000 RADS	QUALIF'N TESTING IN	RADIATION MAPS ZONE - A	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS	QUALIF'N TESTING IN	FSAR PARAGRAPH	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.		120 DAYS POST DBA	IN	3.11.1	IN	TEST			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	N/A	XXXX		
ABOVE FLOOD LEVEL: N/A			PROGRESS		PROGRESS				
COORDINATES: J-H; 9A-10A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:							PREPARER: MR 07/30/82 DATE	
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS								CHECKER :TC 07/30/82 DATE	
								SYSTEM: CONTROLLED AREA VENTIL'N	
								QDEF SHEET NO.-0456	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: DIFF. PRESSURE TRANSMITTER			PROGRESS		PROGRESS			
PLANT NUMBER: DPT HV 5274BS	TEMPERATURE	150 DEGF POST DBA	QUALIF'N TESTING IN	TEMPERATURE MAP G-137	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: ITT BARTON	PRESSURE	1 ATMOS	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
MODEL AND SERIAL NUMBER: MODEL 765			PROGRESS		PROGRESS			
SERVICE DESCRIPTION: RAB VLV GALLERY / AMB DIF PRESS	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
FUNCTION: INPUT PROCESS ANALOG CONTROL	CHEMICAL SPRAY	NOT APPLICABLE	QUALIF'N TESTING IN	NOT APPLICABLE	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
ACCURACY SPECIFIED:	RADIATION	10000 RADS	QUALIF'N TESTING IN	RADIATION MAPS ZONE - A	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
ACCURACY DEMONS.:			PROGRESS	G - 137	PROGRESS			
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
ABOVE FLOOD LEVEL: N/A			PROGRESS		PROGRESS			
COORDINATES: J-H; 9A-10A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS				REFERENCES:				CHECKER: TC 07/30/82 DATE
								SYSTEM: CONTROLLED AREA VENTIL'N
								QDEF SHEET NO. -0457

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	SFGD PUMP ROOMS AIR COND	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT:	DIFF. PRESSURE TRANSMITTER			PROGRESS		PROGRESS			
PLANT NUMBER:	DPT HV 5275AS	TEMPERATURE	150 DEGF POST DBA	QUALIF'N TESTING IN	TEMPERATURE MAP G-137	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	ITT BARTON	PRESSURE	1 ATMOS	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
MODEL AND SERIAL NUMBER:	MODEL 765	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
SERVICE DESCRIPTION:	SAFEGD PUMP RM A AMB DIF. PRESS			PROGRESS		PROGRESS			
FUNCTION:	INPUT PROCESS ANALOG CONTROL	CHEMICAL SPRAY	NOT APPLICABLE	QUALIF'N TESTING IN	NOT APPLICABLE	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
ACCURACY SPECIFIED:		RADIATION	10000 RADS	QUALIF'N TESTING IN	RADIATION MAPS ZONE - A G - 137	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
LOCATION:	AUX BUILDING								
ELEVATION:	-35.0 FT.								
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
ABOVE FLOOD LEVEL:	N/A								
COORDINATES:	J-H;6A-7A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH									
EQUIPMENT EXEMPT FROM QUALIFICATION:NO									PREPARER:MR 07/30/82 DATE
QUALIF STATUS:									CHECKER :TC 07/30/82 DATE
QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS					REFERENCES:				SYSTEM: SFGD PUMP ROOMS AIR COND QDEF SHEET NO.-0458

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: SFGD PUMP ROOMS AIR COND	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: DIFF. PRESSURE TRANSMITTER			PROGRESS		PROGRESS			
PLANT NUMBER: DPT HV 5275BS	TEMPERATURE	150 DEGF POST DBA	QUALIF'N TESTING IN	TEMPERATURE MAP G-137	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: ITT BARTON	PRESSURE	1 ATMOS	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
MODEL AND SERIAL NUMBER: MODEL 765			PROGRESS		PROGRESS			
SERVICE DESCRIPTION: SAFEGD PUMP RM A AMB DIF.PRESS	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
			PROGRESS		PROGRESS			
FUNCTION: INPUT PROCESS ANALOG CONTROL	CHEMICAL SPRAY	NOT APPLICABLE	QUALIF'N TESTING IN	NOT APPLICABLE	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
			PROGRESS		PROGRESS			
ACCURACY SPECIFIED:	RADIATION	10000 RADS	QUALIF'N TESTING IN	RADIATION MAPS ZONE - A	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
ACCURACY DEMONS.:			PROGRESS	G - 137	PROGRESS			
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	SEQ. TYPE TEST	XXXX	
ABOVE FLOOD LEVEL: N/A			PROGRESS		PROGRESS			
COORDINATES: J-H:7A-8A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	REFERENCES:							PREPARED:MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS								CHECKER :TC 07/30/82 DATE
								SYSTEM: SFGD PUMP RCOMS AIR COND
								QDEF SHEET NO.-0459

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SFGD PUMP ROOMS AIR COND	OPERATING TIME	120 DAYS	QUALIF'M TESTING	FSAR TABLE 3.11-2	QUALIF'N TESTING	SEQ. TYPE	----	QUALIFIED LIFE IS:	
COMPONENT: DIFF. PRESSURE TRANSMITTER			IN PROGRESS		IN PROGRESS	TEST			
PLANT NUMBER: DPT HV 5276AS	TEMPERATURE	150 DEGF POST DBA	QUALIF'N TESTING	TEMPERATURE MAP G-137	QUALIF'N TESTING	SEQ. TYPE		MAINTENANCE / REPLACEMENT SCHED:	
MANUFACTURER: ITT BARTON	PRESSURE	1 ATMOS	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE			
MODEL AND SERIAL NUMBER: MODEL 765	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE			
SERVICE DESCRIPTION: SAFEGD PUMP RM B AMB DIF. PRESS			IN PROGRESS		IN PROGRESS	TEST			
FUNCTION: INPUT PROCESS ANALOG CONTROL	CHEMICAL SPRAY	NOT APPLICABLE	QUALIF'N TESTING	NOT APPLICABLE	QUALIF'N TESTING	SEQ. TYPE			
ACCURACY SPECIFIED:	RADIATION	10000 RADS	QUALIF'N TESTING	RADIATION MAPS ZONE - A	QUALIF'N TESTING	SEQ. TYPE			
ACCURACY DEMONS.:			IN PROGRESS	G - 137	IN PROGRESS	TEST			
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING	SEQ. TYPE			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	QUALIF'N TESTING	N/A	QUALIF'N TESTING	N/A			
ABOVE FLOOD LEVEL: N/A			IN PROGRESS		IN PROGRESS				
COORDINATES: J-H; 6A-7A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
ENVIRON'T IS HARSH									PREPARER: MR 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS								REFERENCES:	CHECKER : TC 07/30/82
									DATE
									SYSTEM: SFGD PUMP
									ROOMS AIR COND
									QDEF SHEET NO.-0460

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SFGD PUMP ROOMS AIR COND	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: DIFF. PRESSURE TRANSMITTER			PROGRESS		PROGRESS			
PLANT NUMBER: DPT HV 5276BS	TEMPERATURE	104 DEGF POST DBA	QUALIF'N TESTING IN	TEMPERATURE MAP G-137	QUALIF'N TESTING IN	SEQ. TYPE TEST		MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: ITT BARTON	PRESSURE	ATMOS	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: MODEL 765			PROGRESS		PROGRESS			
SERVICE DESCRIPTION: SAFEGD PUMP RM B AMB DIF.PRESS	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
FUNCTION: INPUT PROCESS ANALOG CONTROL	CHEMICAL SPRAY	NOT APPLICABLE	QUALIF'N TESTING IN	NOT APPLICABLE	QUALIF'N TESTING IN	SEQ. TYPE TEST		
ACCURACY SPECIFIED:	RADIATION	10000 RADS	QUALIF'N TESTING IN	RADIATION MAPS ZONE - A G - 137	QUALIF'N TESTING IN	SEQ. TYPE TEST		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.			PROGRESS		PROGRESS			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	N/A		
ABOVE FLOOD LEVEL: N/A			PROGRESS		PROGRESS			
COORDINATES: J ; 7A-8A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS				REFERENCES:				SYSTEM: SFGD PUMP ROOMS AIR COND QDEF SHEET NO. -0461

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SWGR AREA & CABLE VAULT A/	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE 3.11-2	QUALIF'N TESTING	SEQ. TYPE	----	QUALIFIED LIFE IS:
COMPONENT: DIFF. PRESSURE TRANSMITTER			IN PROGRESS		IN PROGRESS	TEST		
PLANT NUMBER: DPT HV 5277AS	TEMPERATURE	104 DEGF	QUALIF'N TESTING	TEMPERATURE MAP G-145	QUALIF'N TESTING	SEQ. TYPE		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	1 ATMOS	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE		
MODEL AND SERIAL NUMBER: MODEL 765	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE		
SERVICE DESCRIPTION: RAB VAULT AREA AMB. DIF. PRESS			IN PROGRESS		IN PROGRESS	TEST		
FUNCTION: INPUT PROCESS ANALOG CONTROL	CHEMICAL SPRAY	NOT APPLICABLE	QUALIF'N TESTING	NOT APPLICABLE	QUALIF'N TESTING	SEQ. TYPE		
ACCURACY SPECIFIED:	RADIATION	52000 RADS	QUALIF'N TESTING	RADIATION MAPS ZONE -GG	QUALIF'N TESTING	SEQ. TYPE		
ACCURACY DEMONS.:			IN PROGRESS	G - '45	IN PROGRESS	TEST		
LOCATION: AUX BUILDING ELEVATION: -31.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING	SEQ. TYPE		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	QUALIF'N TESTING	N/A	QUALIF'N TESTING	SEQ. TYPE	N/A	
COORDINATES: N-P; 2AZ-3AZ	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRONMENT IS HARSH			O!					PREPARER: MR 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION: NO			T!					DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS			P!	REFERENCES:				CHECKER : TC 07/30/82
			H!					DATE
			C!					SYSTEM: SWGR AREA & CABLE VAULT A/
			R!					QDEF SHEET NO.-0462
			A!					
			S!					

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	SWGR AREA & CABLE VAULT A/	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE 3.11-2	QUALIF'N TESTING	SEQ. TYPE	----	QUALIFIED LIFE IS:
COMPONENT:	DIFF. PRESSURE TRANSMITTER			IN PROGRESS		IN PROGRESS	TEST		
PLANT NUMBER:	DPT HV 5277BS	TEMPERATURE	104 DEGF	QUALIF'N TESTING	TEMPERATURE MAP G-145	QUALIF'N TESTING	SEQ. TYPE		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	ITT BARTON	PRESSURE	ATMOS	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE		
MODEL AND SERIAL NUMBER:	MODEL 765	RELATIVE HUMIDITY	120% - 90%	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE		
SERVICE DESCRIPTION:	RAB VAULT AREA AMB. DIF. PRESS			IN PROGRESS		IN PROGRESS	TEST		
FUNCTION:	INPUT PROCESS ANALOG CONTROL	CHEMICAL SPRAY	NOT APPLICABLE	QUALIF'N TESTING	NOT APPLICABLE	QUALIF'N TESTING	SEQ. TYPE		
ACCURACY SPECIFIED:		RADIATION	52000 RADS	QUALIF'N TESTING	RADIATION MAPS ZONE -GG G-145	QUALIF'N TESTING	SEQ. TYPE		
ACCURACY DEMONS.:		AGING	40 YEARS PLUS	QUALIF'N TESTING	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING	SEQ. TYPE		
LOCATION:	AUX BUILDING		120 DAYS POST DBA	IN PROGRESS		IN PROGRESS	TEST		
ELEVATION:	-31.0 FT.								
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/A	QUALIF'N TESTING	N/A	QUALIF'N TESTING	N/A		
ABOVE FLOOD LEVEL:	N/A			IN PROGRESS		IN PROGRESS			
COORDINATES: M-N; 11A-11AZ		INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRONMENT IS HARSH									REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARER: MR 07/30/82 DATE
QUALIF STATUS:					REFERENCES:				CHECKER : TC 07/30/82 DATE
QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS									SYSTEM: SWGR AREA & CABLE VAULT A/ QDEF SHEET NO. -0463

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: FEEDWATER	! OPERATING TIME	!! 120 DAYS	! QUALIF'N TESTING	! FSAR TABLE 3.11-2	! QUALIF'N TESTING	! SEQ. TYPE	! ----	! QUALIFIED LIFE IS:
COMPONENT: LEVEL TRANSMITTER	!	!	! IN PROGRESS	!	! IN PROGRESS	! TEST	!	!
PLANT NUMBER: LT FW 1115AS	! TEMPERAT- URE	!! 269 DEGF	! QUALIF'N TESTING	! TEMPERA- TURE MAP	! QUALIF'N TESTING	! SEQ. TYPE	!	! MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	! PRESSURE	!! 44 PSIG	! QUALIF'N TESTING	! FSAR TABLE 3.11-1	! QUALIF'N TESTING	! SEQ. TYPE	!	!
MODEL AND SERIAL NUMBER: MODEL 764	!	!	! IN PROGRESS	!	! IN PROGRESS	! TEST	!	!
SERVICE DESCRIPTION: STM GEN 1 WIDE RANGE	! RELATIVE HUMIDITY	!! 100 %	! QUALIF'N TESTING	! FSAR TABLE 3.11-1	! QUALIF'N TESTING	! SEQ. TYPE	!	!
FUNCTION: PROCESS ANALOG ANALOG CONTROL	! CHEMICAL SPRAY	!! 1750-2150 PPM BOR AS BORIC ACID	! QUALIF'N TESTING	! FSAR TABLE 3.11-1	! QUALIF'N TESTING	! SEQ. TYPE	!	!
ACCURACY SPECIFIED: LEVEL	!	!! 5.0-9.0 PH	! IN PROGRESS	!	! IN PROGRESS	! TEST	!	!
ACCURACY DEMONS.:	! RADIATION	!! GAMMA= 33 MRAD	! QUALIF'N TESTING	! RADIATION MAPS	! QUALIF'N TESTING	! SEQ. TYPE	!	!
	!	!! BETA= 327 MRAD	! IN PROGRESS	! ZONE -CC G -144	! IN PROGRESS	! TEST	!	!
LOCATION: CONT BUILDING	! AGING	!! 40 YEARS PLUS	! QUALIF'N TESTING	! FSAR PARAGRAPH	! QUALIF'N TESTING	! SEQ. TYPE	!	!
ELEVATION: +21.0 FT.	!	!! 120 DAYS POST DBA	! IN PROGRESS	! 3.11.1	! IN PROGRESS	! TEST	!	!
FLOOD LEVEL EL: +0.5 FEET	! SUBMER- GENCE	!! N/A	! QUALIF'N TESTING	! N/A	! QUALIF'N TESTING	! N/A	!	!
ABOVE FLOOD LEVEL: YES	!	!	! IN PROGRESS	!	! IN PROGRESS	!	!	!
COORDINATES: W: COL 19	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							!
ENVIRON'T IS HARSH	! OTHER EQUIPMENT THIS QDEF APPLIES TO:							! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	! O! T! P! H! C! R! A! S!							! PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS	! REFERENCES:							! CHECKER : TC 07/30/82 DATE
								! SYSTEM: FEEDWATER
								! QDEF SHEET NO.-0464

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: FEEDWATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: LEVEL TRANSMITTER			PROGRESS		PROGRESS			
PLANT NUMBER: LT FW 1115BS	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN	TEMPERATURE MAP G-144	QUALIF'N TESTING IN	SEQ. TYPE TEST		MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: ITT BARTON	PRESSURE	44 PSIG	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: MODEL 764	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
SERVICE DESCRIPTION: STM GEN 1 WIDE RANGE			PROGRESS		PROGRESS			
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BOR AS BORBIC ACID	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
ACCURACY SPECIFIED: LEVEL		5.0-9.0 PH	PROGRESS		PROGRESS			
ACCURACY DEMONS.:	RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE -CC G -144	QUALIF'N TESTING IN	SEQ. TYPE TEST		
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	N/A		
COORDINATES: W; COL 19	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS				REFERENCES:				SYSTEM: FEEDWATER
								QDEF SHEET NO.-0465

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: FEEDWATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:	
COMPONENT: LEVEL TRANSMITTER			PROGRESS		PROGRESS				
PLANT NUMBER: LT FW 1125AS	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN	TEMPERATURE MAP G-144	QUALIF'N TESTING IN	SEQ. TYPE TEST		MAINTENANCE / REPLACEMENT SCHED:	
MANUFACTURER: ITT BARTON	PRESSURE	44 PSIG	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST			
MODEL AND SERIAL NUMBER: MODEL 764	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST			
SERVICE DESCRIPTION: STM GEN 2 WIDE RANGE			PROGRESS		PROGRESS				
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BOR AS BORIC ACID	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST			
ACCURACY SPECIFIED: LEVEL		15.0-9.0 PH	PROGRESS		PROGRESS				
ACCURACY DEMONS.:	RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE -CC G-144	QUALIF'N TESTING IN	SEQ. TYPE TEST			
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST			
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	N/A			
ABOVE FLOOD LEVEL: YES			PROGRESS		PROGRESS				
COORDINATES: E; COL 7	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	REFERENCES:								PREPARER:MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS									CHECKER :TC 07/30/82 DATE
									SYSTEM:FEEDWATER
									QDEF SHEET NO. -0466

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: FEEDWATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST		QUALIFIED LIFE IS:
COMPONENT: LEVEL TRANSMITTER			PROGRESS		PROGRESS			MAINTENANCE / REPLACEMENT SCHD:
PLANT NUMBER: LT FW 1125B5	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN	TEMPERATURE MAP G-144	QUALIF'N TESTING IN	SEQ. TYPE TEST		
MANUFACTURER: ITT PARTON	PRESSURE	44 PSIG	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: MODEL 764	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
SERVICE DESCRIPTION: STM GEN 2 WIDE RANGE			PROGRESS		PROGRESS			
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	11750-2150 PPM BOR AS BORIC ACID 5.0-9.0 PH	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
ACCURACY SPECIFIED: LEVEL	RADIATION	GAMMA= 33 MRAD BETA= 1327 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE -CC G -144	QUALIF'N TESTING IN	SEQ. TYPE TEST		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.			PROGRESS		PROGRESS			
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	N/A		
ABOVE FLOOD LEVEL: YES			PROGRESS		PROGRESS			
COORDINATES: E; COL 7	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:			REVISION NO. -01	
ENVIRON'T IS HARSH			O!				PREPARER: MR 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO			T!				DATE	
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS			P!	REFERENCES:			CHECKER : TC 07/30/82	
			H!				DATE	
			C!				SYSTEM: FEEDWATER	
			R!					
			A!					
			S!				QDEF SHEET NO. -0467	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: WASTE MANAGEMENT	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE 3.11-2	QUALIF'N TESTING	SEQ. TYPE	----	QUALIFIED LIFE IS:
COMPONENT: LEVEL TRANSMITTER			IN PROGRESS		IN PROGRESS	TEST		
PLANT NUMBER: LT WM 6705AS	TEMPERATURE	269 DEGF	QUALIF'N TESTING	TEMPERATURE MAP G-145	QUALIF'N TESTING	SEQ. TYPE		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	44 PSIG	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE		
MODEL AND SERIAL NUMBER: MODEL 764			IN PROGRESS		IN PROGRESS	TEST		
SERVICE DESCRIPTION: CONT SUMP LEVEL	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE		
			IN PROGRESS		IN PROGRESS	TEST		
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BOR ACID	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE		
		5.0-9.0 PH	IN PROGRESS		IN PROGRESS	TEST		
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD	QUALIF'N TESTING	RADIATION MAPS	QUALIF'N TESTING	SEQ. TYPE		
		BETA= 327 MRAD	IN PROGRESS	ZONE -CC G -145	IN PROGRESS	TEST		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS	QUALIF'N TESTING	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING	SEQ. TYPE		
LOCATION: CONT BUILDING		120 DAYS	IN		IN	TEST		
ELEVATION: -4.0 FT.		POST DBA	PROGRESS		PROGRESS			
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	QUALIF'N TESTING	N/A	QUALIF'N TESTING	N/A		
ABOVE FLOOD LEVEL: NO			IN PROGRESS		IN PROGRESS			
COORDINATES: E: COL12/13	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH			G					PREPARER: MR 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION: NO			T					DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS			P					CHECKER : TC 07/30/82
			H	REFERENCES:				DATE
			C					
			R					SYSTEM: WASTE
			A					MANAGEMENT
			S					QDEF SHEET NO. -0468

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	WASTE MANAGEMENT	OPERATING TIME	!! 120 DAYS	!! QUALIF'N TESTING	!! FSAR TABLE 3.11-2	!! QUALIF'N TESTING	!! SEQ. TYPE	!! ----	!! QUALIFIED LIFE IS:	
COMPONENT:	LEVEL TRANSMITTER		!!	!! IN PROGRESS		!! IN PROGRESS	!! TEST			
PLANT NUMBER:	LT WM 6705BS	TEMPERATURE	!! 269 DEGF	!! QUALIF'N TESTING	!! TEMPERATURE MAP	!! QUALIF'N TESTING	!! SEQ. TYPE		!! MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ITT BARTON	PRESSURE	!! 44 PSIG	!! QUALIF'N TESTING	!! FSAR TABLE 3.11-1	!! QUALIF'N TESTING	!! SEQ. TYPE			
MODEL AND SERIAL NUMBER:	MODEL 764	RELATIVE HUMIDITY	!! 100 %	!! QUALIF'N TESTING	!! FSAR TABLE 3.11-1	!! QUALIF'N TESTING	!! SEQ. TYPE			
SERVICE DESCRIPTION:	CONT SUMP LEVEL		!!	!! IN PROGRESS		!! IN PROGRESS	!! TEST			
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	!! 1750-2150 PPM BOR AS BORIC ACID	!! QUALIF'N TESTING	!! FSAR TABLE 3.11-1	!! QUALIF'N TESTING	!! SEQ. TYPE			
ACCURACY SPECIFIED:		RADIATION	!! GAMMA= 33 MRAD	!! QUALIF'N TESTING	!! RADIATION MAPS	!! QUALIF'N TESTING	!! SEQ. TYPE			
ACCURACY DEMONS.:			!! BETA= 327 MRAD	!! IN PROGRESS	!! ZONE -CC G -145	!! IN PROGRESS	!! TEST			
LOCATION:	CONT BUILDING	AGING	!! 40 YEARS PLUS	!! QUALIF'N TESTING	!! FSAR PARAGRAPH	!! QUALIF'N TESTING	!! SEQ. TYPE			
ELEVATION:	-4'0 FT.		!! 120 DAYS POST DBA	!! IN PROGRESS	!! 3.11.1	!! IN PROGRESS	!! TEST			
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	!! N/A	!! QUALIF'N TESTING	!! N/A	!! QUALIF'N TESTING	!! SEQ. TYPE			
ABOVE FLOOD LEVEL:	NO		!!	!! IN PROGRESS		!! IN PROGRESS	!! N/A			
COORDINATES:	E: COL12/13	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:								!! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		REFERENCES:								!! PREPARER: MR 07/30/82
QUALIF STATUS:										!! DATE
QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS										!! CHECKER : TC 07/30/82
										!! DATE
										!! SYSTEM: WASTE MANAGEMENT
										!! QDEF SHEET NO.-0469

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	-----	QUALIFIED LIFE IS:
COMPONENT:	PRESSURE TRANSMITTER			PROGRESS		PROGRESS			
PLANT NUMBER:	PT CA 6755AS	TEMPERATURE	148 DEGF	QUALIF'N TESTING IN	TEMPERATURE MAP G-145	QUALIF'N TESTING IN	SEQ. TYPE TEST		MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER:	ITT BARTON	PRESSURE	1 ATMOS	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER:	MODEL 763	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
SERVICE DESCRIPTION:	CONT ATMOSPHERE PRESSURE			PROGRESS		PROGRESS			
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2550 NOT APPLICABLE	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
ACCURACY SPECIFIED:		RADIATION	1.1 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE -FF G-145	QUALIF'N TESTING IN	SEQ. TYPE TEST		
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
LOCATION:	AUX BUILDING								
ELEVATION:	+5.0 FT.								
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	N/A		
ABOVE FLOOD LEVEL:	N/A			PROGRESS		PROGRESS			
COORDINATES:	AZ-107F PEN54	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH									
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS					REFERENCES:				CHECKER : TC 07/30/82 DATE
									SYSTEM: CONT. PURGE & VACUUM RELIEF
									QDEF SHEET NO.-0470

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	!! QUALIF'N TESTING	FSAR TABLE 3.11-2	!! QUALIF'N TESTING	SEQ. TYPE	----	QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER			!! IN !! PROGRESS		!! IN !! PROGRESS	TEST		
PLANT NUMBER: PT CA 6755BS	TEMPERATURE	148 DEGF	!! QUALIF'N TESTING	TEMPERATURE MAP	!! QUALIF'N TESTING	SEQ. TYPE		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	1 ATMOS	!! QUALIF'N TESTING	G-145	!! QUALIF'N TESTING	SEQ. TYPE		
MODEL AND SERIAL NUMBER: MODEL 763	RELATIVE HUMIDITY	20% - 90%	!! QUALIF'N TESTING	FSAR TABLE 3.11-1	!! QUALIF'N TESTING	SEQ. TYPE		
SERVICE DESCRIPTION: CONT ATMOSPHERE PRESSURE			!! IN !! PROGRESS		!! IN !! PROGRESS	TEST		
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2550 NOT APPLICABLE	!! QUALIF'N TESTING	FSAR TABLE 3.11-1	!! QUALIF'N TESTING	SEQ. TYPE		
ACCURACY SPECIFIED:	RADIATION	1.1 MRAD	!! QUALIF'N TESTING	RADIATION MAPS ZONE -FF	!! QUALIF'N TESTING	SEQ. TYPE		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS	!! QUALIF'N TESTING	FSAR PARAGRAPH 3.11.1	!! QUALIF'N TESTING	SEQ. TYPE		
LOCATION: AUX BUILDING ELEVATION: +5.0 FT.		120 DAYS POST DBA	!! IN !! PROGRESS		!! IN !! PROGRESS	TEST		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	!! QUALIF'N TESTING	N/A	!! QUALIF'N TESTING	N/A		
ABOVE FLOOD LEVEL: N/A			!! IN !! PROGRESS		!! IN !! PROGRESS			
COORDINATES: AZ-107F PEN54	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: MR 07/30/82
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS				REFERENCES:				CHECKER: TC 07/30/82
								DATE
								SYSTEM: CONT. PURGE & VACUUM RELIEF
								QDEF SHEET NO. -0471

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE 3.11-2	QUALIF'N TESTING	SEQ. TYPE		QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER			IN PROGRESS		IN PROGRESS	TEST		
PLANT NUMBER: PT RC 0106AS	TEMPERATURE	269 DEGF	QUALIF'N TESTING	TEMPERATURE MAP	QUALIF'N TESTING	SEQ. TYPE		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	44 PSIG	QUALIF'N TESTING	G-145	QUALIF'N TESTING	SEQ. TYPE		
MODEL AND SERIAL NUMBER: MODEL 763	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE		
SERVICE DESCRIPTION: REACT COOLANT HOT LEG LOOP 1			IN PROGRESS		IN PROGRESS	TEST		
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BOR AS	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE		
ACCURACY SPECIFIED:		BORIC ACID 15.0-9.0 PH	IN PROGRESS		IN PROGRESS	TEST		
ACCURACY DEMONS.:	RADIATION	GAMMA= 33 MRAD	QUALIF'N TESTING	RADIATION MAPS	QUALIF'N TESTING	SEQ. TYPE		
		BETA= 327 MRAD	IN PROGRESS	ZONE -CC G -145	IN PROGRESS	TEST		
LOCATION: CONT BUILDING	AGING	40 YEARS PLUS	QUALIF'N TESTING	FSAR PARAGRAPH	QUALIF'N TESTING	SEQ. TYPE		
ELEVATION: -1.0 FT.		120 DAYS POST DBA	IN PROGRESS	3.11.1	IN PROGRESS	TEST		
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	LATER	QUALIF'N TESTING	N/A	QUALIF'N TESTING	SEQ. TYPE		
ABOVE FLOOD LEVEL: NO			IN PROGRESS		IN PROGRESS	TEST		
COORDINATES: E; COL 7/8	!INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
ENVIRONMENT IS HARSH	! (IF REQUIRED) !							! REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	!							! PREPARER: MR 07/30/82
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS	!							! DATE
	! REFERENCES:							! CHECKER : TC 07/30/82
	!							! DATE
	!							! SYSTEM: REACTOR
	!							! COOLANT
	!							! QDEF SHEET NO. -0472

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: REACTOR COOLANT	! OPERATING TIME	!! 120 DAYS	! QUALIF'N TESTING IN	! FSAR TABLE 3.11-2	! QUALIF'N TESTING IN	! SEQ. TYPE TEST	! ----	! QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER	!	!!	! IN PROGRESS	!	! IN PROGRESS	!	!	!
PLANT NUMBER: PT RC 010685	! TEMPERATURE	!! 269 DEGF	! QUALIF'N TESTING IN	! TEMPERATURE MAP	! QUALIF'N TESTING IN	! SEQ. TYPE TEST	!	! MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	! PRESSURE	!! 44 PSIG	! QUALIF'N TESTING IN	! FSAR TABLE 3.11-1	! QUALIF'N TESTING IN	! SEQ. TYPE TEST	!	!
MODEL AND SERIAL NUMBER: MODEL 763	! RELATIVE HUMIDITY	!! 100 %	! QUALIF'N TESTING IN	! FSAR TABLE 3.11-1	! QUALIF'N TESTING IN	! SEQ. TYPE TEST	!	!
SERVICE DESCRIPTION: REACT COOLANT HOT LEG LOOP 2	!	!!	! IN PROGRESS	!	! IN PROGRESS	!	!	!
FUNCTION: PROCESS ANALOG CONTROL INPUT	! CHEMICAL SPRAY	!! 1750-2150 PPM BOR AS BORIC ACID	! QUALIF'N TESTING IN	! FSAR TABLE 3.11-1	! QUALIF'N TESTING IN	! SEQ. TYPE TEST	!	!
ACCURACY SPECIFIED:	! RADIATION	!! GAMMA= 33 MRAD	! QUALIF'N TESTING IN	! RADIATION MAPS	! QUALIF'N TESTING IN	! SEQ. TYPE TEST	!	!
ACCURACY DEMONS.:	!	!! BETA= 327 MRAD	! IN PROGRESS	! ZONE -CC G -145	! IN PROGRESS	!	!	!
LOCATION: CONT BUILDING	! AGING	!! 40 YEARS PLUS	! QUALIF'N TESTING IN	! FSAR PARAGRAPH	! QUALIF'N TESTING IN	! SEQ. TYPE TEST	!	!
ELEVATION: -1.0 FT.	!	!! 120 DAYS POST DBA	! IN PROGRESS	! 3.11.1	! IN PROGRESS	!	!	!
FLOOD LEVEL EL: +0.5 FEET	! SUBMERGENCE	!! LATER	! QUALIF'N TESTING IN	! N/A	! QUALIF'N TESTING IN	! N/A	!	!
ABOVE FLOOD LEVEL: YES	!	!!	! IN PROGRESS	!	! IN PROGRESS	!	!	!
COORDINATES: E; COL 7/8	! INDEX FOR INCONSISTENCY!			! ANALYSIS IN WORKFILE!			! OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH	! (IF REQUIRED)			!			! REVISION NO.-01	
IS IT EXEMPT FROM REGISTRATION: NO	!			!			! PREPARER: MR 07/30/82	
QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS	!			!			! DATE	
	!			! REFERENCE:			! CHECKER : TC 07/30/82	
	!			!			! DATE	
	!			!			! SYSTEM: REACTOR	
	!			!			! COOLANT	
	!			!			! QDEF SHEET NO.-0473	

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	REACTOR COOLANT	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE 3.11-2	QUALIF'N TESTING	SEQ. TYPE	QUALIFIED LIFE IS:	
COMPONENT:	PRESSURE TRANSMITTER			IN PROGRESS		IN PROGRESS	TEST		
PLANT NUMBER:	PT RC 0110 S	TEMPERATURE	269 DEGF	QUALIF'N TESTING	TEMPERATURE MAP G-143	QUALIF'N TESTING	SEQ. TYPE	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ITT BARTON	PRESSURE	44 PSIG	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE		
MODEL AND SERIAL NUMBER:	MODEL 763	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE		
SERVICE DESCRIPTION:	REACTOR VENT LINE PRES			IN PROGRESS		IN PROGRESS	TEST		
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BOR AS BORIC ACID	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE		
ACCURACY SPECIFIED:			5.0-9.0 PH	IN PROGRESS		IN PROGRESS	TEST		
ACCURACY DEMONS.:		RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD	QUALIF'N TESTING	RADIATION MAPS ZONE -CC G-143	QUALIF'N TESTING	SEQ. TYPE		
LOCATION:	CONT BUILDING	AGING	40 YEARS PLUS	QUALIF'N TESTING	FSAR PARAGRAPH	QUALIF'N TESTING	SEQ. TYPE		
ELEVATION:	+50.0 FT.		120 DAYS POST DBA	IN PROGRESS	3.11.1	IN PROGRESS	TEST		
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	N/A	QUALIF'N TESTING	N/A	QUALIF'N TESTING	N/A		
ABOVE FLOOD LEVEL:	YES			IN PROGRESS		IN PROGRESS			
COORDINATES:	S; COL 14/15	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO	REFERENCES:							PREPARER: MR 07/30/82 DATE
QUALIF STATUS:	QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS								CHECKER : TC 07/30/82 DATE
									SYSTEM: REACTOR COOLANT
									QDEF SHEET NO. -0474

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	REACTOR COOLANT	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:	
COMPONENT:	PRESSURE TRANSMITTER									
PLANT NUMBER:	PT RC 9120AS	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN PROGRESS	TEMPERATURE MAP G-143	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		MAINTENANCE / REPLACEMENT SCHED:	
MANUFACTURER:	ITT BARTON	PRESSURE	44 PSIG	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST			
MODEL AND SERIAL NUMBER:	MODEL 763	RELATIVE HUMIDITY	100%	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST			
SERVICE DESCRIPTION:	PRZR PRES WIDE RANGE RCS PRES									
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BOR AS BORIC ACID 5.0-9.0 PH	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST			
ACCURACY SPECIFIED:		RADIATION	GAMMA= 3 RAD BETA= 327 MRAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE -CC G-143	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST			
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST			
LOCATION:	CONT BUILDING									
ELEVATION:	+21.0 FT.									
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	N/A	QUALIF'N TESTING IN PROGRESS	N/A	QUALIF'N TESTING IN PROGRESS	N/A			
ABOVE FLOOD LEVEL:	YES									
COORDINATES:	S: COL 13/14	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE! (IF REQUIRED)								
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		REFERENCES:								PREPARER: MR 07/30/82 DATE
QUALIF STATUS:										CHECKER : TC 07/30/82 DATE
QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS										SYSTEM: REACTOR COOLANT
										QDEF SHEET NO. -0475

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER			PROGRESS		PROGRESS			
PLANT NUMBER: PT RC 9120BS	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN	TEMPERATURE MAP G-144	QUALIF'N TESTING IN	SEQ. TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	44 PSIG	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: MODEL 763	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
SERVICE DESCRIPTION: PRZR PRES WIDE RANGE RCS PRES			PROGRESS		PROGRESS			
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BOR AS BORIC ACID	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE -CC	QUALIF'N TESTING IN	SEQ. TYPE TEST		
ACCURACY DEMONS.:		BETA= 1327 MRAD	PROGRESS	G -144	PROGRESS			
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	N/A		
ABOVE FLOOD LEVEL: YES			PROGRESS		PROGRESS			
COORDINATES: S: COL 13/14	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS				REFERENCES:				CHECKER : TC 07/30/82 DATE
								SYSTEM: REACTOR COOLANT
								QDEF SHEET NO.-0476

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	SAFETY INJECTION	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT:	PRESSURE TRANSMITTER								
PLANT NUMBER:	LT SI 7145AS	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN PROGRESS	TEMPERATURE MAP G-145	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	ITT BARTON	PRESSURE	44 PSIG	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER:	MODEL 764	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
SERVICE DESCRIPTION:	CONT LEVEL SIS PUMP								
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BOR ACID 5.0-9.0 PH	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
ACCURACY SPECIFIED:		RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE -CC G -145	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
LOCATION:	CONT BUILDING								
ELEVATION:	-22.0 FT.								
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	N/A	QUALIF'N TESTING IN PROGRESS	N/A	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
ABOVE FLOOD LEVEL:	YES								
COORDINATES:	S; COL 12	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS HARSH									REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO									PREPARER:MR 07/30/82 DATE
QUALIF STATUS:									CHECKER :TC 07/30/82 DATE
QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS					REFERENCES:				SYSTEM:SAFETY INJECTION QDEF SHEET NO.-0477

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	! OPERATING TIME	!! 120 DAYS	! QUALIF'N TESTING	! FSAR TABLE 3.11-2	! QUALIF'N TESTING	! SEQ. TYPE	! ----	! QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER	!	!!	! IN PROGRESS	!	! IN PROGRESS	! TEST	!	!
PLANT NUMBER: LT SI 7145BS	! TEMPERATURE	!! 269 DEGF	! QUALIF'N TESTING	! TEMPERATURE MAP	! QUALIF'N TESTING	! SEQ. TYPE	!	! MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	! PRESSURE	!! 44 PSIG	! QUALIF'N TESTING	! FSAR TABLE 3.11-1	! QUALIF'N TESTING	! SEQ. TYPE	!	!
MODEL AND SERIAL NUMBER: MODEL 764	! RELATIVE HUMIDITY	!! 100 %	! QUALIF'N TESTING	! FSAR TABLE 3.11-1	! QUALIF'N TESTING	! SEQ. TYPE	!	!
SERVICE DESCRIPTION: CONT LEVEL SIS PUMP	! CHEMICAL SPRAY	!! 1750-2150 PPM BOR AS BORIC ACID	! QUALIF'N TESTING	! FSAR TABLE 3.11-1	! QUALIF'N TESTING	! SEQ. TYPE	!	!
FUNCTION: PROCESS ANALOG CONTROL INPUT	!	!! 5.0-9.0 PH	! IN PROGRESS	!	! IN PROGRESS	! TEST	!	!
ACCURACY SPECIFIED:	! RADIATION	!! GAMMA= 33 MRAD	! QUALIF'N TESTING	! RADIATION MAPS	! QUALIF'N TESTING	! SEQ. TYPE	!	!
ACCURACY DEMONS.:	!	!! BETA= 327 MRAD	! IN PROGRESS	! ZONE -CC G -145	! IN PROGRESS	! TEST	!	!
LOCATION: CONT BUILDING	! AGING	!! 40 YEARS PLUS	! QUALIF'N TESTING	! FSAR PARAGRAPH	! QUALIF'N TESTING	! SEQ. TYPE	!	!
ELEVATION: -22.0 FT.	!	!! 120 DAYS POST DBA	! IN PROGRESS	! 3.11.1	! IN PROGRESS	! TEST	!	!
FLOOD LEVEL EL: +0.5 FEET	! SUBMERGENCE	!! 40 YEARS PLUS	! QUALIF'N TESTING	! FSAR PARAGRAPH	! QUALIF'N TESTING	! SEQ. TYPE	!	!
ABOVE FLOOD LEVEL: YES	!	!! LATER	! IN PROGRESS	! N/A	! IN PROGRESS	! TEST	! N/A	!
COORDINATES: S; COL 12	! INDEX FOR INCONSISTENCY!							!
ENVIRON'T IS HARSH	! ANALYSIS IN WORKFILE (IF REQUIRED)							!
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS	! REFERENCES:							!
	! REVISION NO.-01							!
	! PREPARER: MR 07/30/82							!
	! DATE							!
	! CHECKER : TC 07/30/82							!
	! DATE							!
	! SYSTEM: SAFETY INJECTION							!
	! QDEF SHEET NO.-0478							!

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN PROGRESS	TEMPERATURE MAP G-145	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
PLANT NUMBER: DPT RC#9116SMA	PRESSURE	44 PSIG	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		.....
MANUFACTURER: ITT BARTON	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		.....
MODEL AND SERIAL NUMBER: MODEL 764	CHEMICAL SPRAY	1750-2150 PPM BOR AS BORBIC ACID	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		.....
SERVICE DESCRIPTION: STM GEN 1 REACTOR COOL DIFF PRES	RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE -CC G -145	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		.....
FUNCTION: PROCESS ANALOG CONTROL INPUT	AGING	40 YEARS PLUS	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		.....
ACCURACY SPECIFIED:	SUBMERGENCE	LATER	QUALIF'N TESTING IN PROGRESS	N/A	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		.....
ACCURACY DEMONS.:	INDEX FOR INCONSISTENCY!							
LOCATION: CONT BUILDING ELEVATION: -1.0 FT.	ANALYSIS IN WORKFILE (IF REQUIRED)		OTHER EQUIPMENT THIS QDEF APPLIES TO:					REVISION NO. -01
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	O		REFERENCES:					PREPARER: MR 07/30/82 DATE
COORDINATES: W; COL 18/19	T							CHECKER : TC 07/30/82 DATE
ENVIRON'T IS HARSH	P							SYSTEM: REACTOR COOLANT
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	H							QDEF SHEET NO. -0479
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS	C							
	R							
	A							
	S							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER			PROGRESS		PROGRESS			
PLANT NUMBER: DPT RC#9116SMB	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN	TEMPERATURE MAP G-145	QUALIF'N TESTING IN	SEQ. TYPE TEST		MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: ITT BARTON	PRESSURE	44 PSIG	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: MODEL 764			PROGRESS		PROGRESS			
SERVICE DESCRIPTION: STM GEN 1 REACTOR COOL DIFF PRES	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BOR AS BORIC ACID	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
ACCURACY SPECIFIED:		5.0-9.0 PH	PROGRESS		PROGRESS			
ACCURACY DEMONS.:	RADIATION	GAMMA= 33 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE -CC	QUALIF'N TESTING IN	SEQ. TYPE TEST		
		BETA= 327 MRAD	PROGRESS	G -145	PROGRESS			
LOCATION: CONT BUILDING	AGING	40 YEARS PLUS	QUALIF'N TESTING IN	FSAR PARAGRAPH	QUALIF'N TESTING IN	SEQ. TYPE TEST		
ELEVATION: -1.0 FT.		120 DAYS POST DBA	PROGRESS	3.11.1	PROGRESS			
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	LATER	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	N/A		
ABOVE FLOOD LEVEL: NO			PROGRESS		PROGRESS			
COORDINATES: W: COL 18/19	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:							PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS								CHECKER : TC 07/30/82 DATE
								SYSTEM: REACTOR COOLANT
								QDEF SHEET NO. -0480

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER								
PLANT NUMBER: DPT RC#9116SMC	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN PROGRESS	TEMPERATURE MAP G-145	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: ITT BARTON	PRESSURE	44 PSIG	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: MODEL 764	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
SERVICE DESCRIPTION: STM GEN 1 REACT COOL DIFF PRES								
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BOR AS BORIC ACID 5.0-9.0 PH	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE -CC G -145	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
LOCATION: CONT BUILDING ELEVATION: -1.0 FT.								
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: NOS	SUBMERGENCE	LATER	QUALIF'N TESTING IN PROGRESS	N/A	QUALIF'N TESTING IN PROGRESS	N/A		
COORDINATES: W; COL 18/13	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								PREPARER:MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS				REFERENCES:				CHECKER :TC 07/30/82 DATE
								SYSTEM:REACTOR COOLANT QDEF SHEET NO. -0481

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST		QUALIFIED LIFE IS:
COMPONENT: PRESSURE TRANSMITTER			PROGRESS		PROGRESS			
PLANT NUMBER: DPT RC#9116SMD	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN	TEMPERATURE MAP G-145	QUALIF'N TESTING IN	SEQ. TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ITT BARTON	PRESSURE	44 PSIG	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: MODEL 764	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
SERVICE DESCRIPTION: STM GEN 1 REACT COOL DIFF PRES			PROGRESS		PROGRESS			
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BOR AS BORBIC ACID	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE -CC G-145	QUALIF'N TESTING IN	SEQ. TYPE TEST		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
LOCATION: CONT BUILDING ELEVATION: -1.0 FT.			PROGRESS		PROGRESS			
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	LATER	QUALIF'N TESTING IN	N/A	QUALIF'N TESTING IN	SEQ. TYPE TEST		
ABOVE FLOOD LEVEL: NO			PROGRESS		PROGRESS			
COORDINATES: W; COL 18/19	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER: TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS				REFERENCES:				SYSTEM: REACTOR COOLANT
								QDEF SHEET NO.-0482

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	REACTOR COOLANT	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE 3.11-2	QUALIF'N TESTING	SEQ. TYPE	----	QUALIFIED LIFE IS:	
COMPONENT:	PRESSURE TRANSMITTER			IN PROGRESS		IN PROGRESS	TEST			
PLANT NUMBER:	DPT RC#9126SMA	TEMPERATURE	269 DEGF	QUALIF'N TESTING	TEMPERATURE MAP	QUALIF'N TESTING	SEQ. TYPE		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ITT BARTON	PRESSURE	44 PSIG	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE			
MODEL AND SERIAL NUMBER:	MODEL 764	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE			
SERVICE DESCRIPTION:	STM GEN 2 REACTOR COOL DIFF PRES			IN PROGRESS		IN PROGRESS	TEST			
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BORIC ACID	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE			
ACCURACY SPECIFIED:			5.0-9.0 PH	IN PROGRESS		IN PROGRESS	TEST			
ACCURACY DEMONS.:		RADIATION	GAMMA= 33 MRAD	QUALIF'N TESTING	RADIATION MAPS	QUALIF'N TESTING	SEQ. TYPE			
			BETA= 327 MRAD	IN PROGRESS	ZONE -CC G -145	IN PROGRESS	TEST			
LOCATION:	CONT BUILDING	AGING	40 YEARS PLUS	QUALIF'N TESTING	FSAR PARAGRAPH	QUALIF'N TESTING	SEQ. TYPE			
ELEVATION:	-1.0 FT.		120 DAYS POST DBA	IN PROGRESS	3.11.1	IN PROGRESS	TEST			
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	LATER	QUALIF'N TESTING	N/A	QUALIF'N TESTING	SEQ. TYPE			
ABOVE FLOOD LEVEL:	NO			IN PROGRESS		IN PROGRESS	TEST			
COORDINATES:	E; COL 7/8 9	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS	HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO	REFERENCES:								PREPARER:MR 07/30/82 DATE
QUALIF STATUS:	QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS									CHECKER :TC 07/30/82 DATE
										SYSTEM:REACTOR COOLANT
										QDEF SHEET NO. -0483

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	REACTOR COOLANT	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT:	PRESSURE TRANSMITTER								
PLANT NUMBER:	DPT RC#9136SMB	TEMPERATURE	269 DEG F	QUALIF'N TESTING IN PROGRESS	TEMPERATURE MAP G-145	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	ITT BARTON	PRESSURE	44 PSIG	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER:	MODEL 764	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
SERVICE DESCRIPTION:	STM GEN 2 REACT COOL DIFF PRES								
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BOR AS BORIC ACID	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
ACCURACY SPECIFIED:		RADIATION	GAMMA= 33 MRAD BETA= 1327 MRAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE -CC G -145	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
LOCATION:	CONT BUILDING ELEVATION: -1.0 FT.								
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	LATER	QUALIF'N TESTING IN PROGRESS	N/A	QUALIF'N TESTING IN PROGRESS	N/A		
ABOVE FLOOD LEVEL:	NO								
COORDINATES:	E; COL 7/8 9	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH									REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO								PREPARER: MR 07/30/82 DATE
QUALIF STATUS:					REFERENCES:				CHECKER : TC 07/30/82 DATE
QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS									SYSTEM REACTOR COOLANT
									QDEF SHEET NO. -0484

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	TENCY		
							ANALYZED		
SYSTEM:	REACTOR COOLANT	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE 3.11-2	QUALIF'N TESTING	SEQ. TYPE	QUALIFIED LIFE IS:	
COMPONENT:	PRESSURE TRANSMITTER			IN PROGRESS		IN PROGRESS	TEST		
PLANT NUMBER:	DPT RC#9126SMC	TEMPERATURE	269 DEGF	QUALIF'N TESTING	TEMPERATURE MAP G-145	QUALIF'N TESTING	SEQ. TYPE	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ITT BARTON	PRESSURE	44 PSIG	QUALIF'N TESTING		QUALIF'N TESTING	SEQ. TYPE		
MODEL AND SERIAL NUMBER:	MODEL 764			IN PROGRESS		IN PROGRESS	TEST		
SERVICE DESCRIPTION:	STM GEN 2 REACT COOL DIFF PRES	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE		
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BOR AC BORIC ACID	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE		
ACCURACY SPECIFIED:			5.0-9.0 PH	IN PROGRESS		IN PROGRESS	TEST		
ACCURACY DEMONS.:		RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD	QUALIF'N TESTING	RADIATION MAPS ZONE -CC G -145	QUALIF'N TESTING	SEQ. TYPE		
LOCATION:	CONT BUILDING	AGING	40 YEARS PLUS	QUALIF'N TESTING	FSAR PARAGRAPH	QUALIF'N TESTING	SEQ. TYPE		
ELEVATION:	-1.0 FT.		120 DAYS POST DBA	IN PROGRESS		IN PROGRESS	TEST		
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	LATER	QUALIF'N TESTING	N/A	QUALIF'N TESTING	SEQ. TYPE		
ABOVE FLOOD LEVEL:	NO			IN PROGRESS		IN PROGRESS	N/A		
COORDINATES:	E; COL 7/8	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							REVISION NO.-01
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:							PREPARER:MR 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO	REFERENCES:							DATE
QUALIF STATUS:									CHECKER :TC 07/30/82
QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS									DATE
									SYSTEM:REACTOR
									COOLANT
									QDEF SHEET NO.-0485

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIF. METHOD	INCONSISTENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	REACTOR COOLANT	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE 3.11-2	QUALIF'N TESTING	SEQ. TYPE	----	QUALIFIED LIFE IS:
COMPONENT:	PRESSURE TRANSMITTER			IN PROGRESS		IN PROGRESS	TEST		
PLANT NUMBER:	DPT RC#9126SMD	TEMPERATURE	269 DEGF	QUALIF'N TESTING	TEMPERATURE MAP G-145	QUALIF'N TESTING	SEQ. TYPE		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	ITT BARTON	PRESSURE	44 PSIG	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE		
MODEL AND SERIAL NUMBER:	MODEL 764	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE		
SERVICE DESCRIPTION:	STM GEN 2 REACTOR COOL DIFF PRES			IN PROGRESS		IN PROGRESS	TEST		
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BORIC ACID	QUALIF'N TESTING	FSAR TABLE 3.11-1	QUALIF'N TESTING	SEQ. TYPE		
ACCURACY SPECIFIED:		RADIATION	GAMMA= 33 MRAD	QUALIF'N TESTING	RADIATION MAPS	QUALIF'N TESTING	SEQ. TYPE		
ACCURACY DEMONS.:			BETA= 327 MRAD	IN PROGRESS	ZONE -CC G-145	IN PROGRESS	TEST		
LOCATION:	CONT BUILDING	AGING	40 YEARS PLUS	QUALIF'N TESTING	FSAR PARAGRAPH	QUALIF'N TESTING	SEQ. TYPE		
ELEVATION:	-1.0 FT.		120 DAYS POST DBA	IN PROGRESS	3.11.1	IN PROGRESS	TEST		
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	LATER	QUALIF'N TESTING	N/A	QUALIF'N TESTING	SEQ. TYPE		
ABOVE FLOOD LEVEL:	NOS			IN PROGRESS		IN PROGRESS	N/A		
COORDINATES:	E; COL 7/8 9	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH									
EQUIPMENT EXEMPT FROM QUALIFICATION:	N0								PREPARER: MR 07/30/82
QUALIF STATUS:									DATE
QUALIFICATION PENDING: TESTING TO IEEE-323-1974 IN PROGRESS					REFERENCES:				CHECKER: TC 07/30/82
									DATE
									SYSTEM: REACTOR
									COOLANT
									QDEF SHEET NO. -0486

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:	
COMPONENT:	THERMOCOUPLE									
PLANT NUMBER:	TE HV 5250AS	TEMPERATURE	104 DEGF	QUALIF'N TESTING IN PROGRESS	TEMPERATURE MAP G-134	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	WEED INSTRUMENT COMPANY	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8	
MODEL AND SERIAL NUMBER:	IS-T../E4B250G-(L)AS	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----		
SERVICE DESCRIPTION:	CVAS FLTR TRN A INLET AIR TEMP									
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A			
ACCURACY SPECIFIED:		RADIATION	2.5 MEGARADS	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE - M DWG. G-134	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----		
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----		
LOCATION:	AUX BUILDING									
ELEVATION:	+56.5 FT.									
FLOOD LEVEL EL:	.... FEET	SUBMERGENCE	NOT APPLICABLE	QUALIF'N TESTING IN PROGRESS	NOT APPLICABLE	QUALIF'N TESTING IN PROGRESS	.....	----	
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	J-K ; 6A-7A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO: TE HV 5250BS								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO		REFERENCES:								PREPARER:MR 07/30/82 DATE
QUALIF STATUS:										CHECKER :TC 07/30/82 DATE
QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS										SYSTEM:CONTROLLED AREA VENTIL'N
										QDEF SHEET NO.-0500

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	!! 120 DAYS	!! QUALIF'N TESTING	FSAR TABLE	!! QUALIF'N TESTING	SEQ TYPE	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE		!!	!! IN PROGRESS	3.11-2	!! IN PROGRESS	TEST	!	
PLANT NUMBER: TE HV 5255AS	TEMPERATURE	!! 104 DEGF	!! QUALIF'N TESTING	TEMPERATURE MAP	!! QUALIF'N TESTING	SEQ. TYPE	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	!! 1 ATMOS.	!! QUALIF'N TESTING	FSAR TABLE	!! QUALIF'N TESTING	SEQ. TYPE	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-T../E4B250G-(L)AS		!!	!! IN PROGRESS	3.11-1	!! IN PROGRESS	TEST	!	
SERVICE DESCRIPTION: CVAS FLTR TRN A INLET AIR TEMP	RELATIVE HUMIDITY	!! 20% - 90%	!! QUALIF'N TESTING	FSAR TABLE	!! QUALIF'N TESTING	SEQ. TYPE	----	
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	!! NONE	!! N/A	N/A	!! N/A	TEST	!	
ACCURACY SPECIFIED:	RADIATION	!! 2.5 MEGARADS	!! QUALIF'N TESTING	RADIATION MAPS	!! QUALIF'N TESTING	SEQ. TYPE	----	
ACCURACY DEMONS.:		!!	!! IN PROGRESS	ZONE - M DWG. G-134	!! IN PROGRESS	TEST	!	
LOCATION: AUX BUILDING	AGING	!! 40 YEARS PLUS	!! QUALIF'N TESTING	FSAR PARAGRAPH	!! QUALIF'N TESTING	SEQ. TYPE	----	
ELEVATION: +46'0 FT.		!! 120 DAYS POST DBA	!! IN PROGRESS	3.11.1	!! IN PROGRESS	TEST	!	
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	!! NOT APPLICABLE	!! QUALIF'N TESTING	NOT APPLICABLE	!! QUALIF'N TESTING	.....	----
ABOVE FLOOD LEVEL: N/A		!!	!! IN PROGRESS		!! IN PROGRESS	.....	!
COORDINATES: J-K : 6A-7A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH				TE HV 5255BS				REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO			O!					PREPARER:MR 07/30/82
QUALIF STATUS:			T!					DATE
QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS			P!	REFERENCES:				CHECKER :TC 07/30/82
			H!					DATE
			C!					SYSTEM:CONTROLLED
			R!					AREA VENTIL'N
			A!					QDEF SHEET NO.-0501
			S!					

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: MAIN STEAM	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE								
PLANT NUMBER: TE MS 83455	TEMPERATURE	150 DEGF	QUALIF'N TESTING IN PROGRESS	TEMPERATURE MAP G-137	QUALIF'N TESTING IN PROGRESS	EQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-TO3/E4B250G-(L)AS	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
SERVICE DESCRIPTION: MS TO EFP TURB.								
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	800000 RAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE - C DWG. G-137	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:								
LOCATION: AUX BUILDING	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
ELEVATION: -28'0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	N/A	N/A	N/A		----	
ABOVE FLOOD LEVEL: N/A								
COORDINATES: K-L ; 4A-5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS				REFERENCES:				SYSTEM: MAIN STEAM
								QDEF SHEET NO. -0502

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE			PROGRESS		PROGRESS			
PLANT NUMBER: TE HV 5100AS	TEMPERATURE	104 DEG F	QUALIF'N TESTING IN	TEMPERATURE MAP G-134	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-T13/E4B250U-(L)A	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
SERVICE DESCRIPTION: RAB HVAC EQUIP. RM TEMP.			PROGRESS		PROGRESS			
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	2.5 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE - M DWG. G-134	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
LOCATION: AUX BUILDING ELEVATION: +54.0 FT.	SUBMERGENCE	N/A	N/A	N/A	N/A			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A								
COORDINATES: K ; 1A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH							TE HV 5100 BS.....	
EQUIPMENT EXEMPT FROM QUALIFICATION:NO							PREPARER:MR 07/30/82 DATE	
QUALIF STATUS: QUALIFICATIONS PENDING: TESTING TO IEEE 323-1974 IN PROGRESS							CHECKER :TC 07/30/82 DATE	
							SYSTEM:H & V EQUIP. ROOM VENTIL'TN	
							QDEF SHEET NO.-0503	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE								
PLANT NUMBER: TE HV 5101AS	TEMPERATURE	104 DEGF	QUALIF'N TESTING IN PROGRESS	TEMPERATURE MAP G-134	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-T13/E4B250U-(L)A	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
SERVICE DESCRIPTION: RAB HVAC EQUIP. RM TEMP.								
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	2.5 MRAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE - M DWG. G-134	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
LOCATION: AUX BUILDING ELEVATION: +54.0 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A		----	
COORDINATES: K : 3A	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			! OTHER EQUIPMENT THIS QDEF APPLIES TO: TE HV 5101 BS.				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER:MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								CHECKER :TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS				REFERENCES:				SYSTEM:H & V EQUIP. ROOM VENTIL'TN QDEF SHEET NO.-0504

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE								
PLANT NUMBER: TE HV 5102AS	TEMPERATURE	104 DEGF	QUALIF'N TESTING IN PROGRESS	TEMPERATURE MAP G-134	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-T13/E4B250U-(L)A	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
SERVICE DESCRIPTION: RAB HVAC EQUIP. RM TEMP.								
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	2.5 MRAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE M DWG. G-134	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:								
LOCATION: AUX BUILDING ELEVATION: +54'0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A		----	
COORDINATES: K ; 5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	TE HV 5102 BS							PREP'ER: MR 07/30/82
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS	REFERENCES:							DATE 07/30/82
								DATE
								SYSTEM: H & V EQUIP. ROOM VENTIL'TN
								QDEF SHEET NO. -0505

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION			QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:	
COMPONENT:	THERMOCOUPLE			PROGRESS		PROGRESS				
PLANT NUMBER:	TE HV 5103AS	TEMPERATURE	104 DEGF	QUALIF'N TESTING IN	TEMPERATURE MAP G-134	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	WEED INSTRUMENT COMPANY	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8	
MODEL AND SERIAL NUMBER:	IS-T13/E4B250U-(L)A	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----		
SERVICE DESCRIPTION:	RAB HVAC EQUIP. RM TEMP.			PROGRESS		PROGRESS				
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A			
ACCURACY SPECIFIED:		RADIATION	2.5 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE - M DWG. G-134	QUALIF'N TESTING IN	SEQ. TYPE TEST	----		
ACCURACY DEMONS.:		AGING	40 YEARS PLUS	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----		
LOCATION: ELEVATION:	AUX BUILDING +54'0 FT.		120 DAYS POST DBA	PROGRESS		PROGRESS				
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/A	N/A	N/A	N/A				
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	K ; 7A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO: TE HV 5103 BS.								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		REFERENCES:								PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TI IEEE 323-1974 IN PROGRESS										CHECKER : TC 07/30/82 DATE
										SYSTEM: H & V EQUIP. ROOM VENTIL'TN
										QDEF SHEET NO.-0506

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: CONTAINMENT COOLING	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFF IS:
COMPONENT: THERMOCOUPLE			PROGRESS		PROGRESS			
PLANT NUMBER: TE HV 5150.1AS	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	44 PSIG	QUALIF'N TESTING IN	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-T13/E4B250U-(L)A	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
SERVICE DESCRIPTION: CONT FN CL AH-1 3C-SA AIR IN			PROGRESS		PROGRESS			
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BORON (BOR.ACID)	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	N/A		
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE -CC	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:		BETA= 327 MRAD	PROGRESS	DWG. G-144	PROGRESS			
LOCATION: CONT BUILDING ELEVATION: +27.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NOT APPLICABLE	QUALIF'N TESTING IN	NOT APPLICABLE	QUALIF'N TESTING IN		----	
ABOVE FLOOD LEVEL: YES			PROGRESS		PROGRESS			
COORDINATES: COL 22:48'W.	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:							PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS								CHECKER : TC 07/30/82 DATE
								SYSTEM: CONTAINMENT COOLING
								QDEF SHEET NO. -0507

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	CONTAINMENT COOLING	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:	
COMPONENT:	THERMOCOUPLE									
PLANT NUMBER:	TE HV 5150.1BS	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN PROGRESS	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	WEED INSTRUMENT COMPANY	PRESSURE	44 PSIG	QUALIF'N TESTING IN PROGRESS	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8	
MODEL AND SERIAL NUMBER:	IS-T13/E4B250U-(L)A	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----		
SERVICE DESCRIPTION:	CONT FN CL AH-1 3D-SB AIR IN									
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BORON (BOR. ACID) 5.0-9.0 PH	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----		
ACCURACY SPECIFIED:		RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE -CC DWG. G-145	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----		
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----		
LOCATION:	CONT BUILDING									
ELEVATION:	+3.0 FT.									
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	NOT APPLICABLE	QUALIF'N TESTING IN PROGRESS	NOT APPLICABLE	QUALIF'N TESTING IN PROGRESS		----		
ABOVE FLOOD LEVEL:	YES									
COORDINATES:	COL 23:46'W.	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
ENVIRON'T IS HARSH		O! T! P! H! C! R! A! S!								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO										CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS										SYSTEM: CONTAINMENT COOLING QDEF SHEET NO.-0508

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENC / ANALYZED	
SYSTEM: CONTAINMENT COOLING	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE			PROGRESS		PROGRESS			
PLANT NUMBER: TE HV 5150.2AS	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WLED INSTRUMENT COMPANY	PRESSURE	44 PSIG	QUALIF'N TESTING IN	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-T13/E4B250U-(L)A	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
SERVICE DESCRIPTION: CONT FN CL AH-1 3C-SA AIR IN			PROGRESS		PROGRESS			
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BORON (BOR.ACID)	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE -CC	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:		BETA= 3.7 MRAD	PROGRESS	DWG. G-144	PROGRESS			
LOCATION: CONT BUILDING ELEVATION: +27.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NOT APPLICABLE	QUALIF'N TESTING IN	NOT APPLICABLE	QUALIF'N TESTING IN		----	
ABOVE FLOOD LEVEL: YES			PROGRESS		PROGRESS			
COORDINATES: COL 23:46'W.	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS				REFERENCES:				SYSTEM: CONTAINMENT COOLING
								QDEF SHEET NO. -0509

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	CONTAINMENT COOLING	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT:	THERMOCOUPLE								
PLANT NUMBER:	TE HV 5150.2BS	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN PROGRESS	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	WEED INSTRUMENT COMPANY	PRESSURE	44 PSIG	QUALIF'N TESTING IN PROGRESS	LOCA/MSLB PRCFILE TABLE 2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER:	IS-T13/E4B250U-(L)A	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
SERVICE DESCRIPTION:	CONT FN CL AH-1 3C-SA AIR IN								
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BORON (BOR. ACID)	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
ACCURACY SPECIFIED:		RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE -CC DWG. G-145	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
LOCATION: CONT BUILDING ELEVATION:	+3.0 FT.								
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL:	YES	SUBMERGENCE	NOT APPLICABLE	QUALIF'N TESTING IN PROGRESS	NOT APPLICABLE	QUALIF'N TESTING IN PROGRESS	.....	----
COORDINATES: COL 23:48'W.		INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE! OTHER EQUIPMENT THIS QDEF APPLIES TO: (IF REQUIRED)							REVISION NO.-01
ENVIRON'T IS HARSH									PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENING: TESTING TO 323-1974 IN PR		REFERENCES:							SYSTEM: CONTAINMENT COOLING
									QDEF SHEET NO.-0510

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTAINMENT COOLING	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE			PROGRESS		PROGRESS			
PLANT NUMBER: TE HV 5152AS	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	44 PSIG	QUALIF'N TESTING IN	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-TO7/E4B250G-(L)AS	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
SERVICE DESCRIPTION: CONT FN CL AH-1 3C-SA AIR OUT			PROGRESS		PROGRESS			
FUNCTION: PRCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BORON (BOR.ACID)	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
ACCURACY SPECIFIED:		5.0-9.0 PH	PROGRESS		PROGRESS			
ACCURACY DEMONS.:	RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE -CC DWG. G-144	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
LOCATION: CONT BUILDING ELEVATION: +34.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NOT APPLICABLE	QUALIF'N TESTING IN	NOT APPLICABLE	QUALIF'N TESTING IN	.....	----
ABCVE FLOOD LEVEL: YES			PROGRESS		PROGRESS	.....	
COORDINATES: COL 23:46'W.	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	O! T! P! H! C! R! A! S!							PREPARER:MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS	REFERENCES:							CHECKER :TC 07/30/82 DATE
								SYSTEM:CONTAINMENT COOLING
								QDEF SHEET NO.-0511

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTAINMENT COOLING	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TEST	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE			PROGRESS		PROGRESS			
PLANT NUMBER: TE HV 5152BS	TEMPERATURE	269 DEG F	QUALIF'N TESTING IN	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN	SEQ. TEST	----	MAINTENANCE / REPLACEMENT SCHO:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	44 PSIG	QUALIF'N TESTING IN	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN	SEQ. TEST	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-T07/E4B250G-(L)AS	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TEST	----	
SERVICE DESCRIPTION: CONT FN CL AH-1 3D-SB AIR OUT			PROGRESS		PROGRESS			
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BORON (BOR.ACID)	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TEST	----	
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE -CC	QUALIF'N TESTING IN	SEQ. TEST	----	
ACCURACY DEMONS.:		BETA= 327 MRAD	PROGRESS	DWG. G-145	PROGRESS			
LOCATION: CONT BUILDING ELEVATION: +9'-9 FT.	AGING	40 YEARS PLUS	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TEST	----	
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NOT APPLICABLE	QUALIF'N TESTING IN	NOT APPLICABLE	QUALIF'N TESTING IN			
ABOVE FLOOD LEVEL: YES			PROGRESS		PROGRESS			
COORDINATES: COL 23:46'W.	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS				REFERENCES:				CHECKER : TC 07/30/82 DATE
								SYSTEM: CONTAINMENT COOLING
								QDEF SHEET NO. 0512

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHCD	TENCY ANALYZED		
SYSTEM:	CONTAINMENT COOLING	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:	
COMPONENT:	THERMOCOUPLE			PROGRESS		PROGRESS				
PLANT NUMBER:	TE HV 5155.1AS	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHED:	
MANUFACTURER:	WEED INSTRUMENT COMPANY	PRESSURE	44 PSIG	QUALIF'N TESTING IN	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8	
MODEL AND SERIAL NUMBER:	IS-T13/E4B250U-(L)A	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----		
SERVICE DESCRIPTION:	CONT FN CL AH-1 3A-SA AIR IN			PROGRESS		PROGRESS				
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BORON (BOR.ACID)	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----		
ACCURACY SPECIFIED:		RADIATION	GAMMA= 33 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE -CC	QUALIF'N TESTING IN	SEQ. TYPE TEST	----		
ACCURACY DEMONS.:			BETA= 327 MRAD	PROGRESS	DWG. G-144	PROGRESS				
LOCATION:	CONT BUILDING	AGING	40 YEARS PLUS	QUALIF'N TESTING IN	FSAR PARAGRAPH	QUALIF'N TESTING IN	SEQ. TYPE TEST	----		
ELEVATION:	+27.0 FT.		120 DAYS POST DBA	PROGRESS	3.11.1	PROGRESS				
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	NOT APPLICABLE	QUALIF'N TESTING IN	NOT APPLICABLE	QUALIF'N TESTING IN	.....	----	
ABOVE FLOOD LEVEL:	YES			PROGRESS		PROGRESS				
COORDINATES:	COL 3:48'E.	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.- 0
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		REFERENCES:								PREPARER: 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS										CHECKER: 07/30/82 DATE
										SYSTEM: CONTAINMENT COOLING
										QDEF SHEET NO.-0513

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: CONTAINMENT COOLING	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE			IN PROGRESS	3.11-2	IN PROGRESS	TEST		
PLANT NUMBER: TE HV 5155.1BS	TEMPERATURE	269 DEG F	QUALIF'N TESTING	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING	SEQ. TYPE	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	44 PSIG	QUALIF'N TESTING	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING	SEQ. TYPE	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-T13/E4B250U-(L)A	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	----	
SERVICE DESCRIPTION: CONT FN CL AH-1 3B-SB AIR IN			IN PROGRESS		IN PROGRESS	TEST		
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BORON (BOR.ACID)	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	----	
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD	QUALIF'N TESTING	RADIATION MAPS	QUALIF'N TESTING	SEQ. TYPE	----	
ACCURACY DEMONS.:		BETA= 327 MRAD	IN PROGRESS	ZONE -CC DWG. G-145	IN PROGRESS	TEST		
LOCATION: CONT BUILDING ELEVATION: +3.0 FT.	AGING	40 YEARS PLUS	QUALIF'N TESTING	FSAR PARAGRAPH	QUALIF'N TESTING	SEQ. TYPE	----	
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NOT APPLICABLE	QUALIF'N TESTING	NOT APPLICABLE	QUALIF'N TESTING	.....	----
ABOVE FLOOD LEVEL: YES			IN PROGRESS		IN PROGRESS	.....	
COORDINATES: COL 2:48'E.	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS								CHECKER : TC 07/30/82
	REFERENCES:							DATE
								SYSTEM: CONTAINMENT COOLING
								QDEF SHEET / 0514

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTAINMENT COOLING	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE			IN PROGRESS	3.11-2	IN PROGRESS	TEST		
PLANT NUMBER: TE HV 5155.2AS	TEMPERATURE	269 DEG F	QUALIF'N TESTING	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING	SEQ. TYPE	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	44 PSIG	QUALIF'N TESTING	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING	SEQ. TYPE	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-T13/E4B250U-(L)A	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	----	
SERVICE DESCRIPTION: CONT FN CL AH-1 3A-SA AIR IN			IN PROGRESS		IN PROGRESS	TEST		
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BORON (BOR.ACID)	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	----	
ACCURACY SPECIFIED:		15.0-9.0 PH	IN PROGRESS	3.11-1	IN PROGRESS	TEST		
ACCURACY DEMONS.:	RADIATION	GAMMA= 33 MRAD	QUALIF'N TESTING	RADIATION MAPS	QUALIF'N TESTING	SEQ. TYPE	----	
		BETA= 327 MRAD	IN PROGRESS	ZONE -CC DWG. G-144	IN PROGRESS	TEST		
LOCATION: CONT BUILDING	AGING	40 YEARS PLUS	QUALIF'N TESTING	FSAR PARAGRAPH	QUALIF'N TESTING	SEQ. TYPE	----	
ELEVATION: +27.0 FT.		120 DAYS POST DBA	IN PROGRESS	3.11.1	IN PROGRESS	TEST		
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NOT APPLICABLE	QUALIF'N TESTING	NOT APPLICABLE	QUALIF'N TESTING	.....	----
ABOVE FLOOD LEVEL: YES			IN PROGRESS		IN PROGRESS	.....	
COORDINATES: COL 4:46'E.	! INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	! ANALYSIS IN WORKFILE (IF REQUIRED)							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	! OTHER EQUIPMENT THIS QDEF APPLIES TO:							PREPARER:MR 07/30/82
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS	! REFERENCES:							DATE
	! SYSTEM: CONTAINMENT COOLING							CHECKER :TC 07/30/82
	! QDEF SHEET NO.-0515							DATE

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTAINMENT COOLING	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE			PROGRESS		PROGRESS			
PLANT NUMBER: TE HV 5155.2BS	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	44 PSIG	QUALIF'N TESTING IN	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-T13/E4B250U-(L)A	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
SERVICE DESCRIPTION: CONT FN CL AH-1 3B-SB AIR IN			PROGRESS		PROGRESS			
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BORON (BOR.ACID)	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE -CC	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:		BETA= 327 MRAD	PROGRESS	DWG. G-145	PROGRESS			
LOCATION: CONT BUILDING ELEVATION: +3.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NOT APPLICABLE	QUALIF'N TESTING IN	NOT APPLICABLE	QUALIF'N TESTING IN	.....	----
ABOVE FLOOD LEVEL: YES			PROGRESS		PROGRESS	.....	
COORDINATES: COL 2:48'E.	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH							REVISION NO.- 0	
EQUIPMENT EXEMPT FROM QUALIFICATION:NO							PREPARER: ... 07/30/82 DATE	
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS							CHECKER : ... 07/30/82 DATE	
	REFERENCES:						SYSTEM: CONTAINMENT COOLING	
							QDEF SHEET NO.-0516	

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION			QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	CONTAINMENT COOLING	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	----	QUALIFIED LIFE IS:	
COMPONENT:	THERMOCOUPLE			IN PROGRESS	3.11-2	IN PROGRESS	TEST			
PLANT NUMBER:	TE HV 5157AS	TEMPERATURE	269 DEGF	QUALIF'N TESTING	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING	SEQ. TYPE	----	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	WEED INSTRUMENT COMPANY	PRESSURE	44 PSIG	QUALIF'N TESTING	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING	SEQ. TYPE	----	GENERIC FILE: EQ-IC-8	
MODEL AND SERIAL NUMBER:	IS-T07/E4B250G-(L)AS	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	----		
SERVICE DESCRIPTION:	CONT FN CL AH-1 3A-SA AIR OUT			IN PROGRESS		IN PROGRESS	TEST			
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BORON (BOR.ACID)	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	----		
ACCURACY SPECIFIED:			5.0-9.0 PH	IN PROGRESS	3.11-1	IN PROGRESS	TEST			
ACCURACY DEMONS.:		RADIATION	GAMMA= 33 MRAD	QUALIF'N TESTING	RADIATION MAPS	QUALIF'N TESTING	SEQ. TYPE	----		
			BETA= 327 MRAD	IN PROGRESS	ZONE -CC DWG. G-144	IN PROGRESS	TEST			
LOCATION:	CONT BUILDING	AGING	40 YEARS PLUS	QUALIF'N TESTING	FSAR PARAGRAPH	QUALIF'N TESTING	SEQ. TYPE	----		
ELEVATION:	+34.0 FT.		120 DAYS POST DBA	IN PROGRESS	3.11.1	IN PROGRESS	TEST			
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	NOT APPLICABLE	QUALIF'N TESTING	NOT APPLICABLE	QUALIF'N TESTING	----			
ABOVE FLOOD LEVEL:	YES			IN PROGRESS		IN PROGRESS				
COORDINATES: COL 3:46'E.		INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01	
ENVIRON'T IS HARSH										
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARER: MR 07/30/82 DATE	
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS					REFERENCES:				CHECKER : TC 07/30/82 DATE	
									SYSTEM: CONTAINMENT COOLING	
									QDEF SHEET NO.-0517	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTAINMENT COOLING	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE			PROGRESS	PROGRESS	PROGRESS			
PLANT NUMBER: TE HV 5157BS	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	44 PSIG	QUALIF'N TESTING IN	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-TO7/E4B250G-(L)AS	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
SERVICE DESCRIPTION: CONT FN CL AH-1 3B-SB AIR OUT			PROGRESS	PROGRESS	PROGRESS			
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750-2150 PPM BORON (BOR.ACID)	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE -CC	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:		BETA= 327 MRAD	PROGRESS	DWG. G-145	PROGRESS			
LOCATION: CONT BUILDING ELEVATION: +9'-9 FT.	AGING	40 YEARS PLUS 120 DAYS	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NOT APPLICABLE	QUALIF'N TESTING IN	NOT APPLICABLE	QUALIF'N TESTING IN		----	
ABOVE FLOOD LEVEL: YES			PROGRESS	PROGRESS	PROGRESS			
COORDINATES: COL 3:46'E.	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS				REFERENCES:				SYSTEM: CONTAINMENT COOLING QDEF SHEET NO.-0518

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SHIELD BLDG. VENTILAT'N	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE			PROGRESS		PROGRESS			
PLANT NUMBER: TE HV 5048AS	TEMPERATURE	104 DEGF	QUALIF'N TESTING IN	TEMPERATURE MAP G-134	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-T07/E4B250G-(L)AS	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
SERVICE DESCRIPTION: SHIELD BLD VENT SYS A AIR OUTLT			PROGRESS		PROGRESS			
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	2.5 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE - M DWG. G-134	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
LOCATION: AUX BUILDING ELEVATION: +46'0 FT.			PROGRESS		PROGRESS			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A			
COORDINATES: K-L : 2A-3A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS				REFERENCES:				CHECKER : TC 07/30/82
								DATE
								SYSTEM: SHIELD BLDG. VENTILAT'N
								QDEF SHEET NO.-0519

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: SHIELD BLDG. VENTILAT'N	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE								
PLANT NUMBER: TE HV 5048BS	TEMPERATURE	104 DEGF	QUALIF'N TESTING IN PROGRESS	TEMPERATURE MAP G-134	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-T07/E4B250G-PLUS	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
SERVICE DESCRIPTION: SHIELD BLD VENT SYS B AIR OUTLT								
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	2.5 MRAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE - M DWG. G-134	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
LOCATION: AUX BUILDING ELEVATION: +46'0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: N/A								
COORDINATES: K-L ; 6A-7A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS				REFERENCES:				SYSTEM: SHIELD BLDG. VENTILAT'N QDEF SHEET NO.-0520

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHRGING PUMPS ROOM AIR COND.	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE								
PLANT NUMBER: TE HV 5054AS	TEMPERATURE	104 DEGF	QUALIF'N TESTING IN PROGRESS	TEMPERATURE MAP G-137	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-T13/E4B250G-(L)A	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
SERVICE DESCRIPTION: SHIELD BLD VENT SYS A INLET AIR								
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	2.5 MRAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE - M DWG. G-137	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
LOCATION: AUX BUILDING ELEVATION: +52'0 FT.								
FLOOD LEVEL EL: FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A			
COORDINATES: K-L: 3A-4A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE! OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
ENVIRON'T IS HARSH	TE HV 5024BS							PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	O! T! P! H! C! R! A! S!							CHECKER: TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS	REFERENCES:							SYSTEM: CHRGING PUMPS ROOM AIR COND. QDEF SHEET NO.-0521

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION			QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	SHIELD BLDG. VENTILAT'N	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:	
COMPONENT:	THERMOCOUPLE									
PLANT NUMBER:	TE HV 5024AS	TEMPERATURE	104 DEG F	QUALIF'N TESTING IN PROGRESS	TEMPERATURE MAP G-137	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	WEED INSTRUMENT COMPANY	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8	
MODEL AND SERIAL NUMBER:	IS-T13/E4B250G-(L)A	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----		
SERVICE DESCRIPTION:	CHARGING PMP RM A TEMP									
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A			
ACCURACY SPECIFIED:		RADIATION	8.9 M RAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE - S DWG. G-137	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----		
ACCURACY DEMONS.:										
LOCATION:	AUX BUILDING	AGING	40 YEARS PLUS	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----		
ELEVATION:	-27.0 FT.		120 DAYS POST DBA							
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/A	N/A	N/A	N/A		----		
ABOVE FLOOD LEVEL:	N/A									
COORDINATES: J ; 1A		! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:					
ENVIRON'T IS HARSH					TE HV5024BS				REVISION NO. -01	
EQUIPMENT EXEMPT FROM QUALIFICATION:NO					O! T!				PREPARER:MR 07/30/84 DATE	
QUALIF STATUS:					P! H! REFERENCES:				CHECKER :TC 07/30/82 DATE	
.....					C!					
.....					R!				SYSTEM:SHIELD BLDG. VENTILAT'N	
.....					A!				QDEF SHEET NO. -0522	
.....					S!					

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	AUX FW PUMP, ROOMS AIR COND	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT:	THERMOCOUPLE								
PLANT NUMBER:	TE HV 5025AS	TEMPERATURE	104 DEGF	QUALIF'N TESTING IN PROGRESS	TEMPERATURE MAP G-137	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	WEED INSTRUMENT COMPANY	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER:	IS-T13/E4B250G-(L)A	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
SERVICE DESCRIPTION:	EMER FW PMP RM A TEMP								
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:		RADIATION	80 000 RAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE - C DWG. G-137	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
LOCATION:	AUX BUILDING	SUBMERGENCE	N/A	N/A	N/A	N/A			
ELEVATION:	-27.0 FT.								
FLOOD LEVEL EL:	N/A. FEET								
ABOVE FLOOD LEVEL:	N/A								
COORDINATES:	J-K ; 6A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH									PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									CHECKER : TC 07/30/82 DATE
QUALIF STATUS:					REFERENCES: TE HV 5025 BS				SYSTEM: AUX FW PUMP, ROOMS AIR COND
									QDEF SHEET NO.-0523

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SHUTDOWN HT EXCHGR RM A/C	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE	TEMPERATURE	104 DEGF	QUALIF'N TESTING IN PROGRESS	TEMPERATURE MAP	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
PLANT NUMBER: TE HV 5010AS	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN PROGRESS	G-137	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8
MANUFACTURER: WEED INSTRUMENT COMPANY	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN PROGRESS	FSAR TABLE	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
MODEL AND SERIAL NUMBER: IS-T13/E4B250G-(L)A	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
SERVICE DESCRIPTION: SHTD HT EXCH A RM TEMP	RADIATION	6.7 M RAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE - T	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
FUNCTION: PROCESS ANALOG CONTROL INPUT	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
ACCURACY SPECIFIED:	SUBMERGENCE	N/A	N/A	N/A	N/A			
ACCURACY DEMONS.:	INDEX FOR INCONSISTENCY!							
LOCATION: AUX BUILDING	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ELEVATION: -27.0 FT.				TE HV 5010BS.....				PREPARER:MR 07/30/82 DATE
FLOOD LEVEL EL: N/A. FEET								CHECKER :TC 07/30/82 DATE
ABOVE FLOOD LEVEL: N/A				REFERENCES:				SYSTEM:SHUTDOWN HT EXCHGR RM A/C
COORDINATES: K : 11A								QDEF SHEET NO.-0524
ENVIRON'T IS HARSH								
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE. 323-1974 IN PROGRESS								

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION			QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
SYSTEM:	COMPONENT:	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SFGD PUMP ROOMS AIR COND		OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:	
TE HV 5005BS		TEMPERATURE	104 DEG F	QUALIF'N TESTING IN PROGRESS	TEMPERATURE MAP G-137	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:	
WEED INSTRUMENT COMPANY		PRESSURE	1 ATMOS.	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8	
IS-T13/E4B250G-(L)A		RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----		
SAVEGUARD PMP RM		CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A			
PROCESS ANALOG CONTROL INPUT		RADIATION	4.2 M RAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE - U DWG. G-137	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----		
AGING			40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----		
AUX BUILDING ELEVATION: -27.0 FT.		SUBMERGENCE	N/A	N/A	N/A	N/A				
! INDEX FOR INCONSISTENCY!										
COORDINATES: K ; 6A-7A	! ANALYSIS IN WORKFILE (IF REQUIRED)			! OTHER EQUIPMENT THIS QDEF APPLIES TO:				! REVISION NO.-01		
ENVIRON'T IS HARSH	O!			!				! PREPARER:MR 07/30/82 DATE		
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	T!			!				! CHECKER :TC 07/30/82 DATE		
QUALIF STATUS:	H!			REFERENCES:				!		
QUALIFICATION PENDING: TESTING TO IEEE. 323-1974 IN PROGRESS	C!			!				! SYSTEM:SFGD PUMP ROOMS AIR COND		
	R!			!				! QDEF SHEET NO.-0525		
	A!			!						
	S!			!						

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHRGING PUMPS ROOM AIR COND.	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE								
PLANT NUMBER: TE HV 5002AS	TEMPERATURE	115 DEGF	QUALIF'N TESTING IN PROGRESS	TEMPERATURE MAP G-137	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-T13/E4B250G-(L)A	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
SERVICE DESCRIPTION: CHRG PMP RM A/B								
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	80 M RAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE -G DWG. G-137	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:								
LOCATION: AUX BUILDING ELEVATION: -27.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
FLOOD LEVEL EL: N/A. FEET	SUBMERGENCE	N/A	N/A	N/A	N/A		----	
ABOVE FLOOD LEVEL: N/A								
COORDINATES: G ; 2A-3A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH				TE HV 5002BS				PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE. 323-1974 IN PROGRESS				REFERENCES:				SYSTEM: CHRGING PUMPS ROOM AIR COND. QDEF SHEET NO. -0526

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION			QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SFGD PUMP ROOMS AIR COND	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	----	QUALIFIED LIFE IS:	
COMPONENT: THERMOCOUPLE			IN PROGRESS	3.11-1	IN PROGRESS	TEST			
PLANT NUMBER: TE HV 5003AS	TEMPERATURE	104 DEGF	QUALIF'N TESTING	TEMPERATURE MAP	QUALIF'N TESTING	SEQ. TYPE	----	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	1 ATMOS.	QUALIF'N TESTING	G-137	PROGRESS	TEST			
MODEL AND SERIAL NUMBER: IS-T13/E4B250G-(L)A	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	----	GENERIC FILE: EQ-IC-8	
SERVICE DESCRIPTION: SAFEGUARD PMP RM A			IN PROGRESS	3.11-1	IN PROGRESS	TEST			
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A			
ACCURACY SPECIFIED:	RADIATION	4.2 MRAD	QUALIF'N TESTING	RADIATION MAPS	QUALIF'N TESTING	SEQ. TYPE	----		
ACCURACY DEMONS.:			IN PROGRESS	ZONE -U DWG. G-137	IN PROGRESS	TEST			
LOCATION: AUX BUILDING ELEVATION: -27.0 FT.	AGING	40 YEARS PLUS	QUALIF'N TESTING	FSAR PARAGRAPH	QUALIF'N TESTING	SEQ. TYPE	----		
FLOOD LEVEL EL: N/A. FEET	SUBMERGENCE	N/A	N/A	3.11.1	PROGRESS	TEST			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: K ; 8A-9A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:								
ENVIRON'T IS HARSH				TE HV 5003BS, TE HV 5003 CS, TE HV 5003 DS				REVISION NO. -01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: MR 07/30/82 DATE	
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE. 323-1974 IN PROGRESS				REFERENCES:				CHECKER : TC 07/30/82 DATE	
								SYSTEM: SFGD PUMP ROOMS AIR COND	
								QDEF SHEET NO. -0527	

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES		
SYSTEM: COMPONENT	COOLING WATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	QUALIFIED LIFE IS:	
COMPONENT: THERMOCOUPLE									
PLANT NUMBER: TE CC 7560A15		TEMPERATURE	269 DEGF	QUALIF'N TESTING IN PROGRESS	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: WEED INSTRUMENT COMPANY		PRESSURE	44 PSIG	QUALIF'N TESTING IN PROGRESS	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	GENERIC FILE: EQ-IC-8	
MODEL AND SERIAL NUMBER: IS-T04		RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
SERVICE DESCRIPTION: CONT FN CLR 3C-SA INLET									
FUNCTION: PROCESS ANALOG CONTROL INPUT		CHEMICAL SPRAY	1750 2150 PPM BORON (BOR. ACID)	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	N/A		
ACCURACY SPECIFIED:		RADIATION	GAMMA= 33 MRAD BETA= 327 MARD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE -CC DWG. G-144	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
ACCURACY DEMONS.:		AGING	40 YEARS PLUS	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
LOCATION: CONT BUILDING									
ELEVATION: +37.0 FT.									
FLOOD LEVEL EL: +0.5 FEET		SUBMERGENCE	NOT APPLICABLE	QUALIF'N TESTING IN PROGRESS	NCT APPLICABLE	QUALIF'N TESTING IN PROGRESS	.....	
ABOVE FLOOD LEVEL: YES									
COORDINATES: COL 23;48'W.		! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ! OTHER EQUIPMENT THIS QDEF APPLIES TO: !						REVISION NO. -01	
ENVIRON'T IS HARSH		O! !						PREPARER: MR 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		T! !						DATE	
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS		P! !						CHECKER : TC 07/30/82	
		H! REFERENCES: !						DATE	
		C! !						SYSTEM: COMPONENT	
		R! !						COOLING WATER	
		A! !						QDEF SHEET NO. -0528	
		S! !							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE								
PLANT NUMBER: TE CC 7560A2S	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN PROGRESS	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	44 PSIG	QUALIF'N TESTING IN PROGRESS	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-TO4	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
SERVICE DESCRIPTION: CONT FN CLR 3A-SA CCW INLET								
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750 2150 PPM BORDN (BOR.ACID)	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	N/A		
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE -CC DWG. G-144	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
LOCATION: CONT BUILDING								
ELEVATION: +37.0 FT.								
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NOT APPLICABLE	QUALIF'N TESTING IN PROGRESS	NOT APPLICABLE	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
ABOVE FLOOD LEVEL: YES								
COORDINATES: COL 2,,48'E.	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								PREPARER:MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS				REFERENCES:				CHECKER :TC 07/30/82 DATE
								SYSTEM:COMPONENT COOLING WATER QDEF SHEET NO.-0529

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT	OPERATING	!!	!!	!!	!!	!!	!!	!!
COOLING WATER	TIME	!! 120 DAYS	!!	!!	!!	!!	!!	!!
COMPONENT: THERMOCOUPLE		!!	!!	!!	!!	!!	!!	!!
		!!	!!	!!	!!	!!	!!	!!
PLANT NUMBER: TE CC 7560B1S	TEMPERATURE	!! 269 DEG F	!!	!!	!!	!!	!!	!!
		!!	!!	!!	!!	!!	!!	!!
		!!	!!	!!	!!	!!	!!	!!
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	!! 44 PSIG	!!	!!	!!	!!	!!	!!
		!!	!!	!!	!!	!!	!!	!!
		!!	!!	!!	!!	!!	!!	!!
MODEL AND SERIAL NUMBER: IS-T04	RELATIVE HUMIDITY	!! 100 %	!!	!!	!!	!!	!!	!!
		!!	!!	!!	!!	!!	!!	!!
SERVICE DESCRIPTION: CONT FN CLR 3D SB CCW INLET		!!	!!	!!	!!	!!	!!	!!
		!!	!!	!!	!!	!!	!!	!!
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	!! 1750 2150 PPM BORON (BOR. ACID)	!!	!!	!!	!!	!!	!!
		!! 15.0-9.0PH	!!	!!	!!	!!	!!	!!
		!!	!!	!!	!!	!!	!!	!!
ACCURACY SPECIFIED:	RADIATION	!! GAMMA= 33 MRAD	!!	!!	!!	!!	!!	!!
		!! BETA= 327 MRAD	!!	!!	!!	!!	!!	!!
		!!	!!	!!	!!	!!	!!	!!
ACCURACY DEMONS.:	AGING	!! 40 YEARS PLUS	!!	!!	!!	!!	!!	!!
		!! 120 DAYS POST DBA	!!	!!	!!	!!	!!	!!
		!!	!!	!!	!!	!!	!!	!!
LOCATION: CONT BUILDING ELEVATION: +15.0 FT.		!!	!!	!!	!!	!!	!!	!!
		!!	!!	!!	!!	!!	!!	!!
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	!! NOT APPLICABLE	!!	!!	!!	!!	!!	!!
		!!	!!	!!	!!	!!	!!	!!
		!!	!!	!!	!!	!!	!!	!!
ABOVE FLOOD LEVEL: YES		!!	!!	!!	!!	!!	!!	!!
		!!	!!	!!	!!	!!	!!	!!
COORDINATES: COL 23,48'E.	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							!!
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							!!
	O!							!!
	T!							!!
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	P!							!!
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS	H! REFERENCES:							!!
	C!							!!
	R!							!!
	A!							!!
	S!							!!

REVISION NO. -01
PREPARER: MR 07/30/82
DATE
CHECKER: TC 07/30/82
DATE
SYSTEM: COMPONENT
COOLING WATER
QDEF SHEET NO. -0530

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE								
PLANT NUMBER: TE CC 7560B2S	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN PROGRESS	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	44 PSIG	QUALIF'N TESTING IN PROGRESS	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-TO4	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
SERVICE DESCRIPTION: CONT FN CLR 3B-SB CCW INLET								
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750 2150 PPM BORON (BOR. ACID) 5.0-9.0PH	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	N/A		
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD BETA= 327 MRAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE -CC DWG. G-145	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
LOCATION: CONT BUILDING ELEVATION: +15.0 FT.								
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NOT APPLICABLE	QUALIF'N TESTING IN PROGRESS	NOT APPLICABLE	QUALIF'N TESTING IN PROGRESS	.....	----
ABOVE FLOOD LEVEL: YES								
COORDINATES: COL 3, 48'E.	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS				REFERENCES:				SYSTEM: COMPONENT COOLING WATER QDEF SHEET NO. -0531

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST		QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE			PROGRESS		PROGRESS			
PLANT NUMBER: TE CC 7570 A15	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN	SEQ. TYPE TEST		MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	44 PSIG	QUALIF'N TESTING IN	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN	SEQ. TYPE TEST		GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-T04	RELATIVE HUMIDITY	100 %	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
SERVICE DESCRIPTION: CONT FN CLR 3C-SA CCW OUTLET			PROGRESS		PROGRESS			
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750 2150 PPM BORON (BOR. ACID)	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	N/A		
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE -CC	QUALIF'N TESTING IN	SEQ. TYPE TEST		
ACCURACY DEMONS.:		BETA= 327 MRAD	PROGRESS	DWG. G-145	PROGRESS			
LOCATION: CONT BUILDING ELEVATION: +37.0 FT.	AGING	40 YEARS PLUS	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST		
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NOT APPLICABLE	QUALIF'N TESTING IN	NOT APPLICABLE	QUALIF'N TESTING IN			
ABOVE FLOOD LEVEL: YES			PROGRESS		PROGRESS			
COORDINATES: COL 23;48'E.	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:			REVISION NO. -01	
ENVIRON'T IS HARSH							PREPARER: MR 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO							DATE	
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS				REFERENCES:			CHECKER : TC 07/30/82	
							DATE	
							SYSTEM: COMPONENT	
							COOLING WATER	
							QDEF SHEET NO.-0532	

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	COMPONENT	OPERATING		QUALIF'N	FSAR TABLE	QUALIF'N	SEQ.	----	QUALIFIED
	COOLING WATER	TIME	120 DAYS	TESTING		TESTING	TYPE		LIFE IS:
COMPONENT:	THERMOCOUPLE			IN	3.11-2	IN	TEST		
				PROGRESS		PROGRESS			
PLANT NUMBER:	TE CC 7570A25	TEMPERAT- URE	269 DEGF	QUALIF'N TESTING	LOCA/MSLB PROFILE	QUALIF'N TESTING	SEQ. TYPE	----	MAINTENANCE / REPLACEMENT SCHD:
				IN	TABLE 2	IN	TEST		
				PROGRESS		PROGRESS			
MANUFACTURER:	WEED INSTRUMENT COMPANY	PRESSURE	44 PSIG	QUALIF'N TESTING	LOCA/MSLB PROFILE	QUALIF'N TESTING	SEQ. TYPE	----	GENERIC FILE: EQ-IC-8
				IN	TABLE 2	IN	TEST		
				PROGRESS		PROGRESS			
MODEL AND SERIAL NUMBER:	IS-TO4	RELATIVE HUMIDITY	100%	QUALIF'N	FSAR TABLE	QUALIF'N	SEQ.	----	
SERVICE DESCRIPTION:	CONT FN CLR 3A- SA-CCW OUTLET			IN		IN	TEST		
				PROGRESS		PROGRESS			
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750 2150 PPMN BORON (BOR.ACID)	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	N/A		
				IN	3.11-1	IN			
				PROGRESS		PROGRESS			
ACCURACY SPECIFIED:		RADIATION	GAMMA= 33 MRAD	TESTING	MAPS	TESTING	TYPE		
			BETA= 327 MRAD	IN	ZONE -CC	IN	TEST		
ACCURACY DEMONS.:				PROGRESS	DWG. G-145	PROGRESS			
		AGING	40 YEARS PLUS	QUALIF'N TESTING	FSAR PARAGRAPH	QUALIF'N TESTING	SEQ. TYPE	----	
LOCATION: CONT BUILDING			120 DAYS	IN		IN	TEST		
ELEVATION: +37.0 FT.			POST DBA	PROGRESS	3.11.1	PROGRESS			
FLOOD LEVEL EL: +0.5 FEET		SUBMER- GENCE	NOT APPLICABLE	QUALIF'N TESTING	NOT APPLICABLE	QUALIF'N TESTING	.....	----
				IN		IN	.....	
ABOVE FLOOD LEVEL: YES				PROGRESS		PROGRESS	.....	
COORDINATES: COL 3:48'E.		INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
ENVIRON'T IS HARSH									
EQUIPMENT EXEMPT FROM QUALIFICATION:NO									PREPARER:MR 07/30/82 DATE
QUALIF STATUS:									CHECKER :TC 07/30/82 DATE
QUALIFICATION PEND- ING: TESTING TO IEEE 323-1974 IN PROGRESS					REFERENCES:				SYSTEM:COMPONENT COOLING WATER QDEF SHEET NO.-0533

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE								
PLANT NUMBER: TE CC 7570B1S	TEMPERATURE	269 DEGF	QUALIF'N TESTING IN PROGRESS	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	44 PSIG	QUALIF'N TESTING IN PROGRESS	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-TO4	RELATIVE HUMIDITY	100%	QUALIF'N IN PROGRESS	FSAR TABLE	QUALIF'N	SEQ.	----	
SERVICE DESCRIPTION: CONT FN CLR 3D SB CCW OUTLT			IN PROGRESS	3.11-1	IN PROGRESS	TEST		
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750 2150 PPM BORDON (BDR.ACID) 15.0-9.0PH	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	N/A		
ACCURACY SPECIFIED:	RADIATION	GAMMA= 33 MRAD BETA= 3.27 MRAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE -CC DWG. G-145	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
LOCATION: CONT BUILDING ELEVATION: +15.0 FT.								
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NOT APPLICABLE	QUALIF'N TESTING IN PROGRESS	NOT APPLICABLE	QUALIF'N TESTING IN PROGRESS		----	
ABOVE FLOOD LEVEL: YES								
COORDINATES: COL 23:48'W.	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS ODEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER: TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS				REFERENCES:				SYSTEM: COMPONENT COOLING WATER ODEF SHEET NO.-0534

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	COMPONENT	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	----	QUALIFIED LIFE IS:
COMPONENT:	THERMOCOUPLE			IN PROGRESS	3.11-2	IN PROGRESS	TEST		
PLANT NUMBER:	TE CC 7570B2S	TEMPERATURE	269 DEG F	QUALIF'N TESTING	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING	SEQ. TYPE	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	WEED INSTRUMENT COMPANY	PRESSURE	44 PSIG	QUALIF'N TESTING	LOCA/MSLB PROFILE TABLE 2	QUALIF'N TESTING	SEQ. TYPE	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER:	IS-TO4	RELATIVE HUMIDITY	100%	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	----	
SERVICE DESCRIPTION:	CONT FN CLR 3B-SB CCW OULT			IN PROGRESS	3.11-1	IN PROGRESS	TEST		
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	1750 2150 PPM BORON (BOR.ACID)	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	N/A		
ACCURACY SPECIFIED:			5.0-9.0PH	IN PROGRESS	3.11-1	IN PROGRESS			
ACCURACY DEMONS.:		RADIATION	GAMMA= 33 MRAD	QUALIF'N TESTING	RADIATION MAPS	QUALIF'N TESTING	SEQ. TYPE	----	
			BETA= 327 MRAD	IN PROGRESS	ZONE -CC DWG. G-145	IN PROGRESS	TEST		
LOCATION:	CONT BUILDING	AGING	40 YEARS PLUS	QUALIF'N TESTING	FSAR PARAGRAPH	QUALIF'N TESTING	SEQ. TYPE	----	
ELEVATION:	+15.0 FT.		120 DAYS POST DBA	IN PROGRESS	3.11.1	IN PROGRESS	TEST		
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	NOT APPLICABLE	QUALIF'N TESTING	NOT APPLICABLE	QUALIF'N TESTING		----	
ABOVE FLOOD LEVEL:	YES			IN PROGRESS		IN PROGRESS			
COORDINATES:	COL 23;48'E.	! INDEX FOR INCONSISTENCY!							
ENVIRONMENT IS HARSH		! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		! (IF REQUIRED) !							! REVISION NO. -01
QUALIFICATION STATUS:		O !							! PREPARER: M? 07/30/82
QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS		T !							! DATE
		P !							! CHECKER : TC 07/30/82
		H !							! DATE
		C !							
		R !							! SYSTEM: COMPONENT
		A !							! COOLING WATER
		S !							! QDEF SHEET NO. -0535

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	TENCY		
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	QUALIFIED LIFE IS:	
COMPONENT: THERMOCOUPLE			IN PROGRESS	3.11-1	IN PROGRESS	TEST		
PLANT NUMBER: TE AC 5010AS	TEMPERATURE	104 DEG	QUALIF'N TESTING	TEMPERATURE MAP	QUALIF'N TESTING	SEQ. TYPE	MAINTENANCE / REPLACEMENT SCHED:	
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	1 ATMOS.	QUALIF'N TESTING	G-134	IN PROGRESS	TEST		
MODEL AND SERIAL NUMBER: IS-T104E4B250G-(L)AS	RELATIVE HUMIDITY	120% - 90%	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	GENERIC FILE: EQ-IC-8	
SERVICE DESCRIPTION: CHLRD WTR TO CHLR A			IN PROGRESS		IN PROGRESS	TEST		
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	2.5 M RAD	QUALIF'N TESTING	RADIATION MAPS	QUALIF'N TESTING	SEQ. TYPE		
ACCURACY DEMONS.:			IN PROGRESS	ZONE -M DWG. G-134	IN PROGRESS	TEST		
LOCATION: AUX BUILDING	AGING	40 YEARS PLUS	QUALIF'N TESTING	FSAR PARAGRAPH	QUALIF'N TESTING	SEQ. TYPE		
ELEVATION: +46.0 FT.		120 DAYS POST DBA	IN PROGRESS	3.11.1	IN PROGRESS	TEST		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: N/A								
COORDINATES: K ; 2A-3A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							REVISION NO.-01
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							PREPARER: MR 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	TE AC 5010BS TE AC 5010CS							CHECKER : TC 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE. 323-1974 IN PROGRESS	REFERENCES:							SYSTEM: CHILLED WATER
								QDEF SHEET NO.-0536

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE			PROGRESS		PROGRESS			
PLANT NUMBER: TE AC 5022AS	TEMPERATURE	104 DEGF	QUALIF'N TESTING IN	TEMPERATURE MAP G-134	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-T10E4250G (L)AS	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
SERVICE DESCRIPTION: CHILLRD WTR FROM CHILLER A			PROGRESS		PROGRESS			
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	2.5 M RAD	QUALIF'N TESTING IN	RADIATION MAPS ZONE -M DWG. G-134	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:			PROGRESS		PROGRESS			
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A			
COORDINATE: K ; 2A-3A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO: TE AC 5022BS TE AC 5022CS							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	O) T) P) H) C) R) A) S)							PREPARER:MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS	REFERENCES:							CHECKER :TC 07/30/82 DATE
								SYSTEM:CHILLED WATER
								QDEF SHEET NO.-0537

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE								
PLANT NUMBER: TE CC 5062AS	TEMPERATURE	104 DEGF	QUALIF'N TESTING IN PROGRESS	TEMPERATURE MAP G-134	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-T04E4B250G (L)AS	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
SERVICE DESCRIPTION: CC WTR TO CHLR A								
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	2.5 M RAD	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE -M DWG. G-134	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
LOCATION: AUX BUILDING ELEVATION: +51.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: N/A								
COORDINATES: K,L ; 1A-2A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH							TE AC 50620BS, TE AC 5062CS	
EQUIPMENT EXEMPT FROM QUALIFICATION:NO							PREPARER:MR 07/30/82 DATE	
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE. 323-1974 IN PROGRESS							CHECKER :TC 07/30/82 DATE	
	REFERENCES:						SYSTEM:COMPONENT COOLING WATER QDEF SHEET NO.-0538	

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	QUALIFIED LIFE IS:	
COMPONENT:	THERMOCOUPLE			IN PROGRESS	3.11-1	IN PROGRESS	TEST		
PLANT NUMBER:	TE CC 5070AS	TEMPERATURE	104 DEGF	QUALIF'N TESTING	TEMPERATURE MAP	QUALIF'N TESTING	SEQ. TYPE	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	WEED INSTRUMENT COMPANY	PRESSURE	1 ATMOS.	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE	GENERIC FILE: EQ-IC-8	
MODEL AND SERIAL NUMBER:	IS-T04E4B250G (L)AS	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING	FSAR TABLE	QUALIF'N TESTING	SEQ. TYPE		
SERVICE DESCRIPTION:	CC WTR FROM CHLR A			IN PROGRESS		IN PROGRESS	TEST		
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:		RADIATION	2.5 MRAD	QUALIF'N TESTING	RADIATION MAPS	QUALIF'N TESTING	SEQ. TYPE		
ACCURACY DEMONS.:				IN PROGRESS	ZONE -M DWG. G-134	IN PROGRESS	TEST		
LOCATION:	AUX BUILDING	AGING	40 YEARS PLUS	QUALIF'N TESTING	FSAR PARAGRAPH	QUALIF'N TESTING	SEQ. TYPE		
ELEVATION:	+51'0 FT.		120 DAYS POST DBA	IN PROGRESS	3.11.1	IN PROGRESS	TEST		
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL:	N/A								
COORDINATES: K-L ; 1A-2A		INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH		ANALYSIS IN WORKFILE (IF REQUIRED)							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		OTHER EQUIPMENT THIS QDEF APPLIES TO:							PREPARER: 07/30/82
QUALIF STATUS:		TE CC 50700BS, TE CC 5070CS							DATE
QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS		REFERENCES:							CHECKER : 07/30/82
		D							DATE
		T							SYSTEM: COMPONENT
		P							COOLING WATER
		H							QDEF SHEET NO. -0539
		C							
		R							
		A							
		S							

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	SAFETY INJECTION	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT:	THERMOCOUPLE								
PLANT NUMBER:	TE SI 7116AS	TEMPERATURE	104 DEGF	QUALIF'N TESTING IN PROGRESS	TEMPERATURE MAP G-137	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER:	WEED INSTRUMENT COMPANY	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	GENERIC FILE: EQ-1C-8
MODEL AND SERIAL NUMBER:	IS T../E4B250G-(L)45	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
SERVICE DESCRIPTION:	HI & LO SI PMP A SUCTION								
FUNCTION:	PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:		RADIATION	4.2 MEGARADS	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE - U DWG. G-137	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN PROGRESS	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST	----	
LOCATION:	AUX BUILDING								
ELEVATION:	-35' FT.								
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	NOT APPLICABLE	QUALIF'N TESTING IN PROGRESS	NOT APPLICABLE	QUALIF'N TESTING IN PROGRESS	.....	----
ABOVE FLOOD LEVEL:	N/A								
COORDINATES:	J-K ; 7A-8A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH					TE HV 5250BS				REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARER: MR 07/30/82 DATE
QUALIF STATUS:					REFERENCES:				CHECKER : TC 07/30/82 DATE
QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS									SYSTEM: SAFETY INJECTION
									QDEF SHEET NO.-0540

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN	FSAR TABLE 3.11-2	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	QUALIFIED LIFE IS:
COMPONENT: THERMOCOUPLE			PROGRESS		PROGRESS			
PLANT NUMBER: TE SI 7116BS	TEMPERATURE	104 DEGF	QUALIF'N TESTING IN	TEMPERATURE MAP G-137	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WEED INSTRUMENT COMPANY	PRESSURE	1 ATMOS.	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	GENERIC FILE: EQ-IC-8
MODEL AND SERIAL NUMBER: IS-T.../E4B25CG-(L)AS	RELATIVE HUMIDITY	20% - 90%	QUALIF'N TESTING IN	FSAR TABLE 3.11-1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
SERVICE DESCRIPTION: HI & LO SI PMP B SUCTION			PROGRESS		PROGRESS			
FUNCTION: PROCESS ANALOG CONTROL INPUT	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	4.2 MEGARADS	QUALIF'N TESTING IN	RADIATION MAPS ZONE - U DWG. G-137	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	QUALIF'N TESTING IN	FSAR PARAGRAPH 3.11.1	QUALIF'N TESTING IN	SEQ. TYPE TEST	----	
LOCATION: AUX BUILDING								
ELEVATION: -35'0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NOT APPLICABLE	QUALIF'N TESTING IN	NOT APPLICABLE	QUALIF'N TESTING IN	.....	----
ABOVE FLOOD LEVEL: N/A			PROGRESS		PROGRESS	.....	
COORDINATES: K-L ; 7A-8A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: MR 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TI IEEE 323-1974 IN PROGRESS				REFERENCES:				CHECKER : TC 07/30/82 DATE
								SYSTEM: SAFETY INJECTION
								QDEF SHEET NO. -0541

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:									
	OPERATING TIME	120 DAYS	130 DAYS	FSAR TABLE	PG 4 OF NQRN-1	SEQ. TYPE		QUALIFIED LIFE IS:	
COMPONENT:	600V PWR CABLE 600V CON CABLE			3.11-2		TEST		40YR+130DAY	
PLANT NUMBER:	D25-01,D25-02, D25-03,D25-04.	TEMPERATURE	414 DEGF	345 DEGF	LOCA/MSLB PROFILE TABLE 1	LOCA PROF CURVE OF OKONITE	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	OKONITE	PRESSURE	44 PSIG	112 PSIG	LOCA/MSLB PROFILE TABLE 1	LOCA PROF CURVE OF OKONITE	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER:	ETHYLENE PROP. RUBBER INSUL.	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	PG 5 OF NQRN-1	SEQ. TYPE TEST		GENERIC FILE EQ-EE-1
SERVICE DESCRIPTION:	POWER & CONTROL								
FUNCTION:	POWER CONTROL TO 1E EQUIPT	CHEMICAL SPRAY	BORON(BOR. ACID)5.0 - 9.0PH:1750 2150 PPM	3000PPM BOR. ACID BUFRD TO PH= 10.5	FSAR TABLE	PG 2 OF NQRN-1	SEQ. TYPE TEST		
ACCURACY SPECIFIED:	N/A	RADIATION	33 M RADS (GAMMA)	225 MRAD (GAMMA)	RADIATION	APP 1 OF	TYPE TEST +	YES	
ACCURACY DEMONS.:	N/A		327 M RAD (BETA)		ZONE -CC G - 144	REP NO. NQRN-1	ENGR. ANAL.		
LOCATION:	CONT BUILDING	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH	APP 2 PGS. 788	SEQ. TYPE		
ELEVATION:	VAR. FT.		120 DAYS	130 DAYS	3.11.1	OF NQRN-1	TEST		
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL:	YES								
COORDINATES:	VARIOUS	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE OTHER EQUIPMENT THIS QDEF APPLIES TO: (IF REQUIRED)							
ENVIRON'T IS HARSH			D25-05,D25-06,D25-07,D25-08,D25-09,D50-01,D50-03 D50-04, D50-06, D50-07, D50-08,D82-01						REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:		ANALYSIS EE3							PREPARER:AD 07/30/82 DATE
QUALIF STATUS:	QUALIFIED				REFERENCES:	(1) QUALIFICATION OF OKONITE ETHYLENE PROPLYENE RUBBER INSULATION NO. NQRN-1			CHECKER :RV 07/30/82 DATE
		ANALYSIS EE2							SYSTEM:
									QDEF SHEET NO. -0601

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALI	METHOD	TENCY ANALYZED		
SYSTEM:								QUALIFIED	
COMPONENT: FOR	OPERATING TIME							LIFE IS:	
PLANT NUMBER: RESERVED	TEMPERATURE							MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: FUTURE USE	PRESSURE								
	RELATIVE HUMIDITY								
DESCRIPTION:									
FUNCTION:	CHEMICAL SPRAY								
ACCURACY SPECIFIED:	RADIATION								
ACCURACY DEMONS.:									
LOCATION: BUILDING	AGING								
ELEVATION: FT.									
FLOOD LEVEL EL: FEET	SUBMERGENCE								
ABOVE FLOOD LEVEL:									
COORDINATES:	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:		REVISION NO.-
ENVIRON'T IS								PREPARER: 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION:								DATE	
QUALIF STATUS:								CHECKER: 07/30/82	
								DATE	
								SYSTEM:	
								QDEF SHEET NO.-0602	

QUALIFICATION DATA EVALUATION FORM

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE	LOCA PROFILE IN REPORT	05/28/80	SEQ. TYPE TEST	YES	QUALIFIED LIFE IS: 40YR+120DAY
COMPONENT: CLASS 1E THERMOCOUPLE CABLE				3.11-2					
PLANT NUMBER: D71-01	TEMPERATURE	414 DEGF	346 DEGF	LOCA/MSLB PROFILE TABLE 1	LOCA PROFILE IN REPORT	05/28/80	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROCKBESTOS	PRESSURE	144 PSIG	113 PSIG	LOCA/MSLB PROFILE TABLE 1	LOCA PROFILE IN REPORT	05/28/80	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: FLAME RETARDANT XLPE INSULATION	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	LOCA PROFILE IN REPORT	05/28/80	SEQ. TYPE TEST		
SERVICE DESCRIPTION: THERMOCOUPLE CABLE									GENERIC FILE: EQ-EE-3
FUNCTION: INSTRUMENTATION	CHEMICAL SPRAY	BORON(BOR. ACID)5.0 - 9.0PH: 1750	3000PPM BOR. ACID PH=9.5@	FSAR TABLE	LOCA PROFILE IN REPORT	05/28/80	SEQ. TYPE TEST		
ACCURACY SPECIFIED: N/A	RADIATION	33 MRAD (GAMMA)	200 MRAD (GAMMA)	RADIATION MAPS	PAGES 10 & 11 OF REPORT	05/28/80	SEQ. TYPE ENGR. ANAL.	YES	
ACCURACY DEMONS.: N/A		327 RAD (BETA)		ZONE -CC G-144					
LOCATION: CONT BUILDING ELEVATION: +0.5 FT.	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH	PAGES 8 & 9 OF REPORT	05/28/80	SEQ. TYPE TEST		
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	+0.5 FT	DEMONSTRATED ACCEPTABILITY	FSAR QUESTION	PAGE 5 OF REPORT	05/28/80	SEQ. TYPE TEST		
ABOVE FLOOD LEVEL: NO				211.8					
COORDINATES: VARIOUS	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO.-01
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								PREPARER: AD 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	ANALYSIS EE1	O!							CHECKER :RV 07/30/82 DATE
	ANALYSIS EE3	T!							
		P!							
		H!		REFERENCES: QUALIFICATION OF FIREWALL III CLASS 1E CABLES, R1, 05/28/80					
	ANALYSIS EE2	R!							SYSTEM:
		A!							
		S!							QDEF SHEET NO.-0603

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:								
COMPONENT: CLASS 1E CABLE TERMNTN INSULTN	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE 3.11-2	FIGURE 4 PAGE 6 OF 58442-1	SEQ. TYPE TEST	YES	QUALIFIED LIFE IS: 40YR+120DAY
PLANT NUMBER: N/A	TEMPERATURE	414 DEGF	385 DEGF	LOCA/MSLB PROFILE TABLE 1	FIGURE 4 PAGE 6 OF 58442-1	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: RAYCHEM	PRESSURE	44 PSIG	66 PSIG	LOCA/MSLB PROFILE TABLE 1	FIGURE 4 PG 6 OF 58442-1	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: WCSF-N SPLICE - CR LNK POLY INS	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	FIGURE 4 PG. 6 OF 58442-1	SEQ. TYPE TEST		
SERVICE DESCRIPTION: TERMINATION INSULATION	CHEMICAL SPRAY	BORON(BOR. ACID)5.0 - 9.0PH: 1750 2150 PPM	6200PPM BOR.50PPM HYDRAZINE PH= 10.5	FSAR TABLE 3.11-1	PG 7 OF 58442-1	SEQ. TYPE TEST		
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS (GAMMA)	290 M RADS (GAMMA)	RADIATION MAPS ZONE -CC	PAGE A-1 OF 58442-1	TYPE TEST + ENGR. ANAL.	YES	GENERIC FILE: EQ-EE-4
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH 3.11.1	SEE REF (2) - FIGURE 6.2	SEQ. TYPE TEST		
LOCATION: CONT BUILDING ELEVATION: VAR. FT.	SUBMERGENCE	+ 0.5 FT	DEMONSTRATED ACCEPTABILITY	FSAR QUESTION 211.8	TABLE 1 OF REF (3)	SEQ. TYPE TEST		
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: NO	INDEX FOR INCONSISTENCY!							
COORDINATES: VARIOUS ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	ANALYSIS EE1	O!		REFERENCES: (1)RAYCHEM TEST REPORT (# 58442-1)				PREPARER:AD 07/30/82 DATE
	ANALYSIS EE2	T!		(2)RAYCHEM REPORT EDR-2002				CHECKER :RV 07/30/82 DATE
	ANALYSIS EE3	R!		(3)RAYCHEM SPEC. RT-1502				SYSTEM:
		A!						QDEF SHEET NO. -0604
		S!						

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	OPERATING TIME	120 DAYS	100 DAYS	FSAR TABLE	FIG 182 PG 2-682-7	SEQ. TYPE	YES	QUALIFIED LIFE IS: 40YR+120DAY
COMPONENT: CLASS 1E CABLE				3.11-2	OF REF. 1; & REF. 2	TEST		
PLANT NUMBER: D50-01, D50-03, D50-04, D50-05	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE	FIG 182 PG 2-682-7	SEQ. TYPE	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: SAMUEL MOORE, INC.	PRESSURE	144 PSIG	105 PSIG	LOCA/MSLB PROFILE	FIG 182 PG 2-682-7	SEQ. TYPE		
MODEL AND SERIAL NUMBER: ETHYLENE PROP. RUBBER INSULT.	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	FIG 182 PG 2-682-7	SEQ. TYPE		
SERVICE DESCRIPTION: SHIELDED CABLE				3.11-1	2-682-7	TEST		
FUNCTION: CONTROL, INSTRUMENTATION, COMM	CHEMICAL SPRAY	BORON(BOR) ACID 5.0 - 19.0PH: 1750	3000PPM BOR. ACID BUFRD TO PH= 10.5	FSAR TABLE	PG 2-40 OF REF. 1	SEQ. TYPE		GENERIC FILE: EQ-EE-5
ACCURACY SPECIFIED: N/A	RADIATION	133 MRAD (GAMMA)	200 M. RAD (GAMMA)	RADIATION MAPS	PG 5-1 OF REF. 1	TYPE TEST +	YES	
ACCURACY DEMONS.: N/A		327 M RAD (BETA)		ZONE -CC G - 144		ENGR. ANAL.		
LOCATION: CONT BUILDING ELEVATION: VAR. FT.	AGING	40 YEARS PLUS 120 DAYS	40 YEARS PLUS 120 DAYS	FSAR PARAGRAPH	PG 2-1, 2-2 OF REF. 1	SEQ. TYPE		
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A		
COORDINATES: VARIOUS	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE OTHER EQUIPMENT THIS QDEF APPLIES TO: (IF REQUIRED)							
ENVIRON'T IS HARSH	D50-07 THRU D50-12, D83-01 THRU D83-08, D84-01, 02, D84-03, D88-01, D71-01, D72-01, D99-05 THRU D99-12, D99-14 THUR D99-17, D99-32, 33, 34, 37, 40, 44, 45, 47							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE1						PREPARER: AD	07/30/82
QUALIF STATUS: QUALIFIED	ANALYSIS EE3	REFERENCES: 1) ISOMEDIX REPORT DATED 6/78 2) ISOMEDIX LETTER DATED 09/78					CHECKER: RV	07/30/82
	ANALYSIS EE2						SYSTEM:	
							QDEF SHEET NO. -0605	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	OPERATING TIME	120 DAYS	130 DAYS	FSAR TABLE	FIG 2 OF REFERENCE REPORT	SEQ. TYPE TEST		QUALIFIED LIFE IS: 40YR+130DAY	
COMPONENT: CLASS 1E-FIELD SPLICES				3.11-2					
PLANT NUMBER: N/A	TEMPERATURE	1414 DEGF	1346 DEGF	LOCA/MSLB FILE TABLE 1	FIG 2 OF REFERENCE REPORT	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: OKONITE	PRESSURE	144 PSIG	1113 PSIG	LOCA/MSLB PROFILE TABLE 1	FIG 2 OF REFERENCE REPORT	SEQ. TYPE TEST			
MODEL AND SERIAL NUMBER: T-95 INSL TAPE-NO 35 JCTN TPE	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	FIG 2 OF REFERENCE REPORT	SEQ. TYPE TEST			
SERVICE DESCRIPTION: INSULATING & JACKETING TAPE				3.11-1				GENERIC FILE: EQ-EE-6	
FUNCTION: FIELD SPLICES	CHEMICAL SPRAY	BORON(BOR. ACID)5.0 - 19.0PH; 1750 12150 PPM	2000PPM BOR. ACID BUFRD TO PH=10.5	FSAR TABLE	FIG 2 OF REFERENCE REPORT	SEQ. TYPE TEST			
ACCURACY SPECIFIED: N/A	RADIATION	133 M RAD (GAMMA)	200 M. RAD (GAMMA)	RADIATION MAPS ZONE-CC G-144	PAGE 3 OF REFERENCE REPORT	TYPE TEST + ENGR. ANAL.	YES		
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 120 DAYS	40 YEARS PLUS 130 DAYS	FSAR PARAGRAPH	PAGE 2 OF REFERENCE REPORT	SEQ. TYPE TEST			
LOCATION: CONT BUILDING ELEVATION: VAR. FT.				3.11.1					
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: NO	SUBMERGENCE	+ 0.5 FT	DEMONSTRATED ACCEPTABILITY	FSAR QUESTION 211.8	SECTION II OF REFERENCE REPORT	SEQ. TYPE TEST			
COORDINATES: VARIOUS ENVIRON'T IS HARSH	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	ANALYSIS EE3			REFERENCES: OKONITE REP: AGING, RADATION & LOCA TESTING; OKOGUARD ETH-LENE ETC. RUB. INS. CABLES & FIELD SPLICE MATERIALS FOR NUCLEAR POWER GENERATING				PREPARER: AD 07/30/82 DATE CHECKER :RV 07/30/82 DATE	
	ANALYSIS EE2							SYSTEM: QDEF SHEET NO.-0606	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:								
COMPONENT: 5KV&600V POWER CABLE	OPERATING TIME	20 DAYS	30 DAYS	FSAR TABLE 3.11-2	FIG 2 PG 3-5 OF FC 4350-3	SEQ. TYPE TEST	YES	QUALIFIED LIFE IS: 40YR+120DAY
PLANT NUMBER: D15-01,D15-02 D25-02,D25-03	TEMPERATURE	1414 DEGF	346 DEGF	LOCA/MSLB PROFILE TABLE 1	FIG 2 PG 3-5 OF FC 4350-3	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ANACONDA	PRESSURE	44 PSIG	113 PSIG	LOCA/MSLB PROFILE TABLE 1	FIG 2 PG 3-5 OF FC 4350-3	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: ETHYENE PROPLY. RUBBER INSUL.	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	FIG 2 PG 3-5 OF FC 4350-3	SEQ. TYPE TEST		
SERVICE DESCRIPTION: CLASS 1E CABLE	CHEMICAL SPRAY	BORON(BOR. ACID)5.0 - 9.0PH: 1750 2150 PPM	3000PPM BORON PH=10.5	FSAR TABLE 3.11-1	PG 3-2 OF FC 4350-3	SEQ. TYPE TEST		
FUNCTION: POWER	RADIATION	33 MRAD (GAMMA) 327 M RAD (BETA)	200 M.RAD (GAMMA)	RADIATION MAPS ZONE -CC G - 144	PG 3-2 OF FC 4350-3	TYPE ENGR. ANAL.	YES	GENERIC FILE: EQ-EE-7
ACCURACY SPECIFIED: N/A	AGING	40 YEARS PLUS 120 DAYS	40 YEARS PLUS 120 DAYS	FSAR PARAGRAPH 3.11.1	ATT TO FC4350-3	SEQ. TYPE TEST	YES	
LOCAT. ... CONT BUILDING ELEVATION: VAR. FT.	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A		
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES								
COORDINATES: VARIOUS	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO: D25-04, D25-06, D25-07, D25-08, D25-09, D25-05							
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	ANALYSIS EE1	O!						REVISION NO.-01
	ANALYSIS EE3	T!						PREPARER: AD 07/30/82 DATE
		P!						CHECKER :RV 07/30/82 DATE
		H!		REFERENCES: (1)FRANKLIN INSTITUTE RES.LABS REPORT FC4350-3 7/76 (2)ATTACHMENT TO F1RL REPORT DATED 5/77				SYSTEM:
	ANALYSIS EE2	R!						
		A!						
		S!						QDEF SHEET NO.-0607

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:	
COMPONENT: FOR		!!	!	!	!	!	!		
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: FUTURE	PRESSURE	!!	!	!	!	!	!		
MODEL AND SERIAL NUMBER: USE	RELATIVE HUMIDITY	!!	!	!	!	!	!		
SERVICE DESCRIPTION:		!!	!	!	!	!	!		
FUNCTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	RADIATION	!!	!	!	!	!	!		
ACCURACY DEMONS.:		!!	!	!	!	!	!		
LOCATION: BUILDING	AGING	!!	!	!	!	!	!		
ELEVATION: FT.		!!	!	!	!	!	!		
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!		
COORDINATES:	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:						!	!	
ENVIRON'T IS	(IF REQUIRED)						!	!	REVISION NO. -
EQUIPMENT EXEMPT FROM QUALIFICATION:							!	!	PREPARER: 07/30/82
QUALIF STATUS:							!	!	DATE
							!	!	CHECKER : 07/30/82
							!	!	DATE
							!	!	SYSTEM:
							!	!	QDEF SHEET NO. -0608

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:								
COMPONENT: CLASS IE COAXIAL CABLE	OPERATING TIME	120 DAYS	395 DAYS	FSAR TABLE 3.11-2	LOCA PROF. OF REF. REPORT	SEQ TYPE TEST		QUALIFIED LIFE IS: 40YR+395DAY
PLANT NUMBER: D85-01 D86-02 D89-01 D98-01	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE 1 REF.2	LOCA PROF. OF REF. REPORT	SEQ TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROCKBESTOS	PRESSURE	44 PSIG	104 PSIG	LOCA/MSLB PROFILE TABLE 1 REF.2	LOCA PROF. OF REF. REPORT	SEQ TYPE TEST		
MODEL AND SERIAL NUMBER: FR-CROSS LINK POLYETHY. INSUL.	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE 3.11-1	LOCA PROF. OF REF. REPORT	SEQ TYPE TEST		
SERVICE DESCRIPTION: COAX CABLE FOR 1E INSTRUMENTS	CHEMICAL SPRAY	BORON(BOR. ACID)5.0 - 9.0PH: 1750 2150 PPM	3000PPM BORON PH 9-11	FSAR TABLE 3.11-1	LOCA PROF. OF REF. REPORT	SEQ TYPE TEST		GENERIC FILE: EQ-EE-9
ACCURACY SPECIFIED: N/A	RADIATION	33 MRAD (GAMMA)	200 M.RAD (GAMMA)	RADIATION MAPS ZONE -CC G - 144	PG 8 REF.REPORT	TYPE TEST + ENGR. ANAL.	YES	
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH 3.11.1	PG 2 REF.REPORT	SEQ TYPE TEST		
LOCATION: CONT. BUILDING ELEVATION: VAR. FT.	SUBMERGENCE	+0.5 FT	DEMONSTRATED ACCEPTABILITY	FSAR QUESTION 211.8	P 11 OF REF.REPORT	SEQ TYPE TEST		
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: NO	INDEX FOR INCONSISTENCY							
COORDINATES: VARIOUS	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: AD 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE3			REFERENCES: 1) ROCKBESTOS REPT-QUALIF'TN OF FIREWALL III COAXIAL OF CONSTRUCTION 1/18/78				CHECKER :RV 07/30/82 DATE
QUALIF STATUS: QUALIFIED	ANALYSIS EE2							SYSTEM:
								QDEF SHEET NO.-0609

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:								
COMPONENT: 600V POWER CABLES	OPERATING TIME	120 DAYS	395 DAYS	FSAR TABLE 3.11-2	LOCA PROF. PG.4	SEQ. TYPE TEST		QUALIFIED LIFE IS: 40YR+395DAY
PLANT NUMBER: D 25-03 D 25-06	TEMPERATURE	414 DEGF	346 F	MSLB/LOCA PROFILE TABLE 1 REF.	LOCA PROF. QR-1807	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROCKBESTOS	PRESSURE	44 PSIG	113 PSIG	MSLB/LOCA PROFILE TABLE 1	LOCA PROF. QR-1807	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: FR-CROSS.LINKED POLYETHY.INSUL.	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE 3.11-1	LOCA PROF. QR-1807	SEQ. TYPE TEST		
SERVICE DESCRIPTION: 600V CABLE TO EQUIPT								
FUNCTION: POWER	CHEMICAL SPRAY	BORON(BOR. ACID)5.0 - 19.0PH: 1750	300PPM BORON PH 9-11	FSAR TABLE 3.11-1	LOCA PROF. QR-1807	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-10
ACCURACY SPECIFIED: N/A	RADIATION	33 MRAD (GAMMA)	200 M.RAD (GAMMA)	RADIATION MAPS ZONE -CC	PAGE 3 QR-1807	TYPE TEST + ENGR. ANAL.	YES	
ACCURACY DEMONS.: N/A								
LOCATION: CONT BUILDING ELEVATION: VAR. FT.	AGING	40 YEARS PLUS 120 DAYS	40 YEARS PLUS 120 DAYS	FSAR PARAGRAPH 3.11.1	PG 3 OF QR-1807	SEQ. TYPE TEST		
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: YES								
COORDINATES: VARIOUS	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE3							REVISION NO.-01
QUALIF STATUS: QUALIFIED	ANALYSIS EE2							PREPARER: AD 07/30/82 DATE
	REFERENCES: (1) ROCKBESTOS REPT-QUALIF'TN OF FIREWALL III ELECTRIC CABLE 12/28/80 QR #1807							CHECKER :RV 07/30/82 DATE
								SYSTEM:
								QDEF SHEET NO.-0610

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: RADIATION MONITORING	OPERATING TIME	1 HOUR	4 DAYS	FSAR TABLE 3.11-2	FIG 7 OF B 912	SEQ. TYPE TEST		QUALIFIED LIFE IS: 40YR+ 4 DAY
COMPONENT: 600V COAXIAL CABLE								
PLANT NUMBER: D86-01,D87-01.	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE 1 REF.2	FIG.7 OF B912	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: BIW	PRESSURE	144 PSIG	110 PSIG	LOCA/MSLB PROFILE TABLE 1	FIG.7 OF B 912	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: CROSS LINKED POLYETHY. INSUL.	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	FIG.5 OF B 912	SEQ. TYPE TEST		
SERVICE DESCRIPTION: INSTRUMENTATION								
FUNCTION: NEUTRON DETECT. PRE AMP CABLE	CHEMICAL SPRAY	BORON(BOR. ACID)5.0 - 9.0PH: 1750 -2150 PPM	2000 PPM BORON ACID! PH 8-8.5	FSAR TABLE 3.11-1	FIG.5 OF B 912	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-11
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS (GAMMA)	100 M RADS (GAMMA)	RADIATION MAPS ZONE -CC	FIG.7 OF B 912 P.6 OF REF(2)	TYPE TEST + ENGR. ANAL.	YES	
ACCURACY DEMONS.: N/A		327 M RAD (BETA)	100 MRADS (BETA)	G - 144				
LOCATION: CONT BUILDING ELEVATION: VAR. FT.	AGING	40 YEARS PLUS 1 HOUR	40 YEARS PLUS 4 DAYS	FSAR PARAGRAPH 3.11-1	SECT.4 P.5 OF B 912	SEQ. TYPE TEST		
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A		
COORDINATES: VARIOUS ENVIRON'T IS HARSH	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	ANALYSIS EE3			REFERENCES: (1) BIW REPORT # B 912 (2) BIW LETTER 1/22/82				PREPARER: AD 07/30/82 DATE CHECKER :RV 07/30/82 DATE
	ANALYSIS EE2							SYSTEM: RADIATION MONITORING QDEF SHEET NO.-0611

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:								
COMPONENT: AIRLOCK PENETRATIONS	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE 3.11-2	REF.#1 PAGE 24A	SEQ. TYPE TEST	YES	QUALIFIED LIFE IS: 40YR+120DAY
PLANT NUMBER: PEL-1;PEL-2, ESL-1;ESL-2	TEMPERATURE	414 DEGF	342 DEGF	LOCA/MSLB PROFILE TABLE 3	REF.#1 PAGE 24A	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: CONAX	PRESSURE	44 PSIG	128 PSIG	LOCA/MSLB PROFILE TABLE 3	REF.#1 PAGE 26A	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: 7019-10001-01-LVP/C/I	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE 3.11-1	REF.#1 PAGE 25	SEQ. TYPE TEST		
SERVICE DESCRIPTION: AIRLOCK PENETRATION					PARA 5.12.13	TEST		
FUNCTION: POWER TO EQUIP IN CONT	CHEMICAL SPRAY	BORON(BORIC ACID)5.0 - 9.0PH: 1750 2150 PPM	3000PPM BORON AS BORIC ACID	FSAR TABLE 3.11-1	REF.#1 PAGE 25 5.12.1.2	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-12
ACCURACY SPECIFIED: N/A	RADIATION	33M.RAD (GAMMA)	224M.RAD (GAMMA)	RADIATION MAPS ZONE -CC G - 144	REF.#1 PAGE 12 5.6.5	TYPE TEST + ENGR. ANAL.	YES	
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH 3.11-1	REF.#1 PG 13.PARA 5.6.2.3	SEQ. TYPE TEST		
LOCATION: CONT BUILDING ELEVATION: VAR. FT.								
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: YES								
COORDINATES: VARIOUS	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH	ANALYSIS EE1 O! ANALYSIS EE3 T!						REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE2 R!						PREPARER:AD 07/30/82 DATE	
QUALIF STATUS: QUALIFIED	A! S!						CHECKER :RV 07/30/82 DATE	
	REFERENCES: CONAX REPORT-QUALIFICATION RPT.FOR ELEC.PENET.ASSEM. FOR PERSONNEL AIR LOCK IPS-700,4/22/81						SYSTEM:	
							QDEF SHEET NO.-0612	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE	REF.#1	SEQ. TYPE	YES	QUALIFIED LIFE IS: 40YR+120DAY
COMPONENT: IE LVP PENETRATIONS				3.11-2	4.5.1	TEST		
PLANT NUMBER: 101	TEMPERATURE	414 DEGF	34G DEGF	LOCA/MSLB PROFILE TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE 1	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: 7320-10002-01	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF.#1	SEQ. TYPE		
SERVICE DESCRIPTION: CONTAINMENT IE ELECT PENETRAT				3.11-1	P.23,PARA. 4.5.1	TEST		
FUNCTION: 480V-1E POWER CABLES	CHEMICAL SPRAY	BORON(BOR. ACID)5.0 - 19.0PH:1750	11.2% BORIC ACID	FSAR TABLE	REF.#1	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-13
ACCURACY SPECIFIED: N/A	RADIATION	33 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS ZONE -CC	REF.# 3 APPENDIX A THRU C	TYPE TEST + ENGR. ANAL.	YES	
ACCURACY DEMONS.: N/A		327 M RAD (BETA)		G - 144				
LOCATION: CONT BUILDING ELEVATION: 41.5 FT.	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH	REF.#2 P.3&4	SEQ. YPE TEST		
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: YES								
COORDINATES: AZ 177 45	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE1	O!						REVISION NO. -01
QUALIF STATUS:	ANALYSIS EE3	T!						PREPARER: AD 07/30/82
		P!						DATE
		H!						CHECKER :RV 07/30/82
		C!						DATE
	ANALYSIS EE2	R!						SYSTEM:
		A!						
		S!						QDEF SHEET NO. -0613
					REFERENCES: (1) CONAX REPORT, IPS-379; (2) CONAX REPORT, IPS-325 (3) CONAX REPORT, IPS-152.1			

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:								
COMPONENT: INCORE THERMO-COUPLE CABLE-IE	OPERATING TIME	1 HOUR	30 DAYS	FSAR TABLE 3.11-2	LOCA PROFILE IN REFERENCED REPORT	SEQ. TYPE TEST		QUALIFIED LIFE IS: 40YR+30 DAYS
PLANT NUMBER: D74-01	TEMPERATURE	414 DEGF	346 DEGF	LOCA/MSLB PROFILE TABLE 1	LOCA PROFILE IN REFERENCED REPORT	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROCKBESTOS	PRESSURE	44 PSIG	113 PSIG	LOCA/MSLB PROFILE TABLE 1	LOCA PROFILE IN REFERENCED REPORT	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: FLAME RETARDANT XLPE INSULATION	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	LOCA PROFILE IN REFERENCED REPORT	SEQ. TYPE TEST		
SERVICE DESCRIPTION: INCORE INSTRUMENTATION								
FUNCTION: PAM	CHEMICAL SPRAY	BORON(BORIC ACID)5.0 - 9.0PH:1750 2150 PPM	3000PPM BORIC ACID PH-9.5	FSAR TABLE 3.11-1	LOCA PROFILE IN REFERENCED REPORT	SEQ. TYPE TEST		
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS (GAMMA)	200MRAD (GAMMA)	RADIATION MAPS ZONE -CC G - 144	PGS 10+11 OF REFERENCED REPORT	TYPE TEST + ENGR. ANAL.	YES	GENERIC FILE: EQ-EE-03
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 1 HOUR	40 YEARS PLUS 30 DAYS	FSAR PARAGRAPH 3.11-1	PGS 8+9 OF REFERENCED REPORT	SEQ. TYPE TEST		
LOCATION: CONT BUILDING ELEVATION: VAR. FT.								
FLOOD LEVEL EL: +46 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: YES								
COORDINATES: VARIOUS	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	ANALYSIS EE3							PREPARER:AD 07/30/82 DATE CHECKER :RV 07/30/82 DATE
	ANALYSIS EE2			REFERENCES: QUALIFICATION OF FIREWALL III CLASS IE CABLE, R1: 5/28/80				SYSTEM: QDEF SHEET NO.-0614

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:								
COMPONENT: 600V CONTROL CABLES	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE 3.11-2	FIG #2 PG.3-5 OF REPORT FC-4350-2	SEQ. TYPE TEST	YES	QUALIFIED LIFE IS: 40YR+120DAY
PLANT NUMBER: D50-01,D50-03, D50-04,D50-05	TEMPERATURE	414 DEGF	346 DEGF	LOCA/MSLB PROFILE TABLE 1 (1)	FIG.#2 PG.3-5 OF REPORT FC-4350-2	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ANACONDA	PRESSURE	44 PSIG	113 PSIG	LOCA/MSLB PROFILE TABLE 1	FIG.#2 PG.3-5 OF REPORT FC-4350-2	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: FR-EPR INSUL	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE 3.11-1	PG.3-2 OF REPORT FC-4350-2	SEQ. TYPE TEST		
SERVICE DESCRIPTION: CLASS 1E CABLE								
FUNCTION: POWER	CHEMICAL SPRAY	BORON(BORIC ACID)5.0 - 9.0PH:1750 2150 PPM	3000PPM BORON PH 10.5	FSAR TABLE 3.11-1	PG.3-2 OF REPORT FC-4350-2	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-15
ACCURACY SPECIFIED: N/A	RADIATION	33M.RAD (GAMMA) 327 M RAD (BETA)	200M.RAD (GAMMA)	RADIATION MAPS ZONE - CC G - 144	APPENDIX "C" OF REPORT FC-4350-2	TYPE TEST ENGR. ANAL.	YES	
ACCURACY DEMONS.: N/A.								
LOCATION: CONT BUILDING ELEVATION: VAR. FT.	AGING	40 YEARS PLUS 120 DAYS	40 YEARS PLUS 120 DAYS	FSAR PARAGRAPH 3.11-1	ATTACH.TO REPORT FC-4350-2	SEQ. TYPE TEST		
FLOOD LEVEL EL: 0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: YES								
COORDINATES: VARIOUS	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE1							D50-06,D50-07,D50-13,D50-14,D71-01, D72-01,D74-01
QUALIF STATUS: QUALIFIED	ANALYSIS EE3							D83-01,D83-04,D83-06,D83-07,D83-08,D83-09, D84-01
	ANALYSIS EE2							D84-03, D99-14
	REFERENCES:							(1) FRANKLIN LABS RPT FC 4350-2
								(2) ATTACH TO FC 4350-2,1/78
								SYSTEM:
								QDEF SHEET NO.-0615

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:								
COMPONENT: REACTOR VESSEL CABLE ASSEMBLY	OPERATING TIME	1 HOUR	30 DAYS	FSAR TABLE 3.11-2	FIG #1 PG 3-4 OF REF. 1	SEQ. TYPE TEST		QUALIFIED LIFE IS: 40YR+30 DAY
PLANT NUMBER: 2,3,4A,4B,6	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE 1	FIG.#1 PG.3-4 OF REF 1	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: BOSTON INSUL WIRE	PRESSURE	44 PSIG	105 PSIG	LOCA/MSLB PROFILE TABLE 1	FIG.#1 PG.3-4 OF REF 1	SEQ. TYPE TEST		(1) THE IE REACTOR VESSEL HEAD ASSEMBLIES ARE:
MODEL AND SERIAL NUMBER: SILICON RUBBER CABLE(BY BIW)	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE 3.11-1	FIG.#1 PG.3-4 OF REF. 1	SEQ. TYPE TEST		(A) REED SWITCH POSITION TRANSMITTERS (RSPT) TYPE I (B)RSPT TYPE II (C)FIXED INCORE DETECTORS (D) REACTOR CAVITY TEMPERATURE
SERVICE DESCRIPTION: CABLE ASSEM. FROM RVH TO RDP	CHEMICAL SPRAY	BORON(BOR. ACID)5.0 - 9.0PH: 1750 2150 PPM	3000PPM BORON PH 9.5- 10.5	FSAR TABLE 3.11-1	PG.5-4, PARA 5-6 REF 1	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-16
FUNCTION: AM; PAM	RADIATION	28 MRAD (GAMMA)	110 M RAD (GAMMA)	RADIATION MAPS ZONE -BB	APPENDIX "B" OF REF 1;	TYPE TEST + ENGR. ANAL.	YES	
ACCURACY SPECIFIED: N/A	RADIATION	252 MRAD (BETA)	100 M RAD (BETA)	G - 144				
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH 3.11-1	SECTION IV OF REF. 2	SEQ. TYPE TEST		
LOCATION: CONT BUILDING ELEVATION: 21 FT.	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A		
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES								
COORDINATES: VARIOUS	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO: CONNECTORS: LITTON SERIES C1R06 + C1R00							
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	ANALYSIS EE3							
	REFERENCES: 1-ISOMEDIX REPORT QPS-LPPI-1277 (D1/REV O) (2) BIW LETTER 1/22/82							
	ANALYSIS EE2							
	D! T! P! H! C! R! A! S!							
	REVISION NO.-01							
	PREPARER: AD 07/30/82 DATE							
	CHECKER :RV 07/30/82 DATE							
	SYSTEM:							
	QDEF SHEET NO.-0616							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	OPERATING TIME	120 DAYS	395 DAYS	FSAR TABLE 3.11-2	LOCA PROF. OF QR-1806 + PAGE 4	SEQ. TYPE TEST		QUALIFIED LIFE IS: 40YR+395DAY
COMPONENT: 1E-600V CONTROL CABLES								
PLANT NUMBER: D50-02, D50-06	TEMPERATURE	414 DEG F	346 F	MSLB/LOCA PROFILE TABLE 1	LOCA PROF CURVE OF QR-1806	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROCKBESTOS	PRESSURE	44 PSIG	113 PSIG	MSLB/LOCA PROFILE TABLE 1	LOCA PROF CURVE OF QR-1806	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: CROSS LINKED POLYETHY. INSUL.	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE 3.11-1	LOCA PROF CURVE OF QR-1806	SEQ. TYPE TEST		
SERVICE DESCRIPTION: 600V CONTROL								
FUNCTION: CLASS 1E CONTROL	CHEMICAL SPRAY	BORON (BORIC ACID) 5.0-19.0 PH: 175-2150 PPM	3000 PPM BORON PH-9-11	FSAR TABLE 3.11-1	LOCA PROF CURVE OF QR-1806	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-17
ACCURACY SPECIFIED: N/A	RADIATION	133 MRAD (GAMMA) 1327 M RAD (BETA)	1204 MRAD GAMMA	RADIATION MAPS ZONE-CC G-144	PGS. 9&10 OF QR-1806	TYPE TEST + ENGR. ANAL.	YES	
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 120 DAYS	40 YEARS PLUS 120 DAYS	FSAR PARAGRAPH 3.11-1	PGS. 6&7 OF REPORT QR-1806	SEQ. TYPE TEST		
LOCATION: CONT BUILDING ELEVATION: VAR FT.								
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	+0.5 FT	DEMONSTRATED ACCEPTABILITY	FSAR QUESTION 211.8	SEE REF. (2)	SEQ. TYPE TEST		
ABOVE FLOOD LEVEL: NO								
COORDINATES: VARIOUS	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: AD 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	ANALYSIS EE3			REFERENCES: (1) QUALIFICATION OF FIREWALL III CLASS 1E CABLES. REV. 8/31/81, REPT. #QR 1806 (2) ATTACHMENT TO QR 1806				CHECKER: RV 07/30/82 DATE
	ANALYSIS EE2							SYSTEM: QDEF SHEET NO.-0617

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	OPERATING TIME	120 DAYS	130 DAYS	FSAR TABLE 3.11-2	PARAGRAPH 1.4.1.6 OF NQRN-3	SEQ. TYPE TEST		QUALIFIED LIFE IS: 40YR+120DAY	
COMPONENT: CLASS 1E-5KV POWER CABLES									
PLANT NUMBER: D15-01,D15-02	TEMPERATURE	1414 DEG F	1345 F	LOCA/MSLB PROFILE TABLE 1	PARAGRAPH 1.4.1.3 OF NQRN-3	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: OKONITE	PRESSURE	144 PSIG	114 PSIG	LOCA/MSLB PROFILE TABLE 1	PARAGRAPH 1.4.1.3 OF NQRN-3	SEQ. TYPE TEST			
MODEL AND SERIAL NUMBER: ETHYLENE PROPL. RUBBER INSUL.	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	PARAGRAPH 1.4.1.3 OF NQRN-3	SEQ. TYPE TEST			
SERVICE DESCRIPTION: 5KV POWER									
FUNCTION: CLASS 1E POWER	CHEMICAL SPRAY	BORON(BOR. ACID)5.0-9.0PH: 1750	3000 PPM BORON - PH 10.5	FSAR TABLE 3.11-1	PARAGRAPH 1.4.1.3 OF NQRN-3	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-18	
ACCURACY SPECIFIED: N/A	RADIATION	33 M RAD (GAMMA)	200 - 225 M RAD GAMMA	RADIATION MAPS	APPENDIX 3 OF NQRN-3	TYPE TEST + ENGR. ANAL.	YES		
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 120 DAYS	40 YEARS PLUS 120 DAYS	FSAR PARAGRAPH 3.11-1	APPENDIX 2 OF NQRN-3	SEQ. TYPE TEST			
LOCATION: CONT. BUILDING ELEVATION: VAR. FT.									
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: YES									
COORDINATES: VARIOUS	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS EE3							REFERENCES: OKONITE REPORT NQRN-3 06/23/80	PREPARER: AD 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	ANALYSIS EE2							CHECKER :RV 07/30/82 DATE	SYSTEM:
								QDEF SHEET NO.-0618	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	OPERATING TIME	120 DAYS	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-2	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		QUALIFIED LIFE IS: 40YR+120DAY
COMPONENT: CLASS 1E CABLE SEAL ASSEMBLIES								
PLANT NUMBER: N/A	TEMPERATURE	1414 DEG F	QUALIF'N TESTING IN PROGRESS	MSLB/LOCA PROFILE TABLE 1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: BOSTON INSUL.WIRE	PRESSURE	144 PSIG	QUALIF'N TESTING IN PROGRESS	MSLB/LOCA PROFILE TABLE 1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	100%	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.1.-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		(1) THIS QDEF REPRESENTS THE WORST ENVIRONMENTAL CONDITION ANY SEAL ASSEMBLY WOULD BE EXPOSED TO. FOR THE PRECISE LOCATION +ENVIRONMENT OF EACH ASSEMBLY REFER TO THE M.E.L PART QDEF FOR THE OPT THE SEAL IS ASSOCIATED WITH. GENERIC FILE: EQ-EE-19
SERVICE DESCRIPTION: CONTAINMENT CABLE SEALS	CHEMICAL SPRAY	BORON(BOR. ACID)5.0-19.0PH: 1750 2150 PPM	QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
FUNCTION: AM & PAM	RADIATION	33 MRAD (GAMMA) 327 M RAD (BETA)	QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE-CC G-144	QUALIF'N TESTING IN PROGRESS	TYPE TEST + ENGR. ANAL.		
ACCURACY SPECIFIED: N/A	AGING	40 YEARS PLUS 120 DAYS	40 YEARS PLUS 120 DAYS	FSAR PARAGRAPH 3.11-1	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
ACCURACY DEMONS.: N/A								
LOCATION: CON'T BUILDING ELEVATION: VAR. FT.								
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: NO	SUBMERGENCE	+0.5 FT	QUALIF'N TESTING IN PROGRESS	FSAR QUESTION 211.8	QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
COORDINATES: VARIOUS ENVIRON'T IS HARSH	!INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: ! (IF REQUIRED) ! ! (1) PIGTAIL ENTRANCE SEAL ASSEMBLIES ! O! (2) TERMINAL BLOCK ENTRANCE ASSEMBLIES							! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS	! T! ! P! ! H! REFERENCES: ! C! ! R! ! A! ! S!							! PREPARER: AD 07/30/82 ! DATE ! CHECKER :RV 07/30/82 ! DATE
								! SYSTEM: ! QDEF SHEET NO.-0619

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	OPERATING TIME	120 DAYS	!QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-2	!QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		QUALIFIED LIFE IS: 40YR+120DAY
COMPONENT: REFUELING DISC. ASSEMBLIES								
PLANT NUMBER: N/A	TEMPERATURE	414 DEG F	!QUALIF'N TESTING IN PROGRESS	MSLB/LOCA PROFILE TABLE 1	!QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: BOSTON INSULATED WIRE	PRESSURE	44 PSIG	!QUALIF'N TESTING IN PROGRESS	MSLB/LCCA PROFILE TABLE 1	!QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		((1) THE FOLLOWING DISCONNECTS ARE IE: (A) RSPT TYPE I (B) RPST TYPE II (C) FIXED INCORE DETECTORS + INCORE THERMOCOUPLES (D) REACTOR LEVEL ASSEMBLIES (E) GENERIC FILE: EQ-EE-19
MODEL AND SERIAL NUMBER: LITTONCIRO68 CIROO	RELATIVE HUMIDITY	100%	!QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	!QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
SERVICE DESCRIPTION: REFUELING PANEL DISCONNECTS								
FUNCTION: AM; PAM	CHEMICAL SPRAY	BORON(BOR. ACID)5.0-19.0PH:1750 2150 PPM	!QUALIF'N TESTING IN PROGRESS	FSAR TABLE 3.11-1	!QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
ACCURACY SPECIFIED: N/A	RADIATION	28 MRAD (GAMMA)	!QUALIF'N TESTING IN PROGRESS	RADIATION MAPS ZONE-BB G-144	!QUALIF'N TESTING IN PROGRESS	TYPE TEST + INGR. ANAL.		
ACCURACY DEMONS.: N/A								
LOCATION: CON'T BUILDING ELEVATION: VAR. FT.	AGING	40 YEARS PLUS 120 DAYS	! 40 YEARS PLUS 120 DAYS	FSAR PARAGRAPH 3.11-1	!QUALIF'N TESTING IN PROGRESS	SEQ. TYPE TEST		
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/A	! N/A	N/A	! N/A	N/A		
COORDINATES: VARIOUS	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: ! (IF REQUIRED) !							! REVISION NO.-01
ENVIRON'T IS HARSH	! ((1)REFUELING DISC.PANEL SINGLE SEAL ASSEMBLIES D!((2)REFUELING DISC.PANEL SINGLE SEAL ASSEMBLIES							! PREPARER:AD 07/30/82 ! DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:	! T! ! P! ! H! ! C! ! R! ! A! ! S!							! CHECKER :RV 07/30/82 ! DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-1974 IN PROGRESS	! REFERENCES: ! SYSTEM: ! QDEF SHEET NO.-0620							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE	REF.#1 P.25, PARA. 4.5.1	SEQ. TYPE TEST	YES	QUALIFIED LIFE IS: 40YR+120DAY
COMPONENT: 1E LV POWER PENETRATIONS				3.11-2	4.5.1			
PLANT NUMBER: 107	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: 7320-100G2-01								
SERVICE DESCRIPTION: CONTAINMENT 1E ELECT PENETRAT	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST		
FUNCTION: 480V PWR TO EQPT IN CONT.	CHEMICAL SPRAY	BORON(BOR. ACID)5.0 - 9.0PH:1750 2150 PPM	1.2% BORIC ACID	FSAR TABLE	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-13
ACCURACY SPECIFIED: N/A	RADIATION	33 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS ZONE -CC G - 144	REF.# 3 APPENDIX A THRU C	TYPE TEST + ENGR. ANAL.	YES	
ACCURACY DEMONS.: N/A								
LOCATION: CONT BUILDING ELEVATION: 41.50 FT.	AGING	40 YEARS PLUS 120 DAYS	40 YEARS PLUS 120 DAYS	FSAR PARAGRAPH	REF.#2 P.384 PARA.6.0& 7.0	SEQ. TYPE TEST		
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A		
COORDINATES: AZ 167DEG 18'	INDEX FOR INCONSISTENCY!			OTHER EQUIPMENT THIS QDEF APPLIES TO:			REVISION NO. -01	
ENVIRON'T IS HARSH	ANALYSIS EE1	O!					PREPARER: AD	07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE3	T!					DATE	
QUALIF STATUS: QUALIFIED		P!					CHECKER :RV	07/30/82
		H!		REFERENCES:	(1) CONAX REPORT, IPS-379;		DATE	
		C!			(2) CONAX REPORT, IPS-325			
	ANALYSIS EE2	R!			(3) CONAX REPORT, IPS-152.1		SYSTEM:	
		A!						
		S!						QDEF SHEET NO. -0621

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE	REF.#1 P.25,PARA. 4.5.1	SEQ. TYPE TEST	YES	QUALIFIED LIFE IS: 40YR+120DAY
COMPONENT: 1E LV POWER PENETRATIONS				3.11-2	4.5.1			
PLANT NUMBER: 113	TEMPERATURE	414 DEG F	340 DEG F	LOCA/MSLB PROFILE TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: CONAX	PRESSURE	14 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE 1	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: 7320-10002-04	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST		
SERVICE DESCRIPTION: CONTAINMENT 1E ELECT PENETRAT				3.11-1	4.5.1			
FUNCTION: 480V PWR TO EQPT THE CONT.	CHEMICAL SPRAY	BORON(BOR. ACID) 5.0 - 19.0PH: 1750	1.2% BORIC ACID	FSAR TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST		GENERIC FILE: EO-EE-13
ACCURACY SPECIFIED: N/A	RADIATION	33 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS ZONE -CC G - 144	REF.# 3 APPENDIX A THRU C	TYPE TEST + ENGR. ANAL.	YES	
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH	REF.#2 P.384 PARA.6.0& 7.0	SEQ. TYPE TEST		
LOCATION: CONT BUILDING ELEVATION: 37.50 FT.				3.11-1	7.0			
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: YES								
COORDINATES: AZ 227DEG 3'	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE1	O!						REVISION NO. -01
QUALIF STATUS: QUALIFIED	ANALYSIS EE3	T!						PREPARER: AD 07/30/82 DATE
		P!						CHECKER :RV 07/30/82 DATE
		H!	REFERENCES:	(1) CONAX REPORT, IPS-379;				
		C!		(2) CONAX REPORT, IPS-325				
	ANALYSIS EE2	R!		(3) CONAX REPORT, IPS-152.1				SYSTEM:
		A!						
		S!						QDEF SHEET NO. -0622

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:								
COMPONENT: 1E LV PWR PENETRATIONS	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE	REF.#1 P.25,PARA. 3.11-2 4.5.1	SEQ. TYPE TEST	YES	QUALIFIED LIFE IS: 40YR+120DAY
PLANT NUMBER: 116	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE 1	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: 7320-10002-06	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST		
SERVICE DESCRIPTION: CONTAINMENT 1E ELECT PENETRAT	CHEMICAL SPRAY	BORON(BORIC ACID) 5.0 - 19.0PH: 1750 2150 PPM	1.2% BORIC AC.	FSAR TABLE 11-1	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-13
ACCURACY SPECIFIED: N/A	RADIATION	133 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS ZONE -CC G - 144	REF.# 3 APPENDIX A THRU C	TYPE TEST + ENGR. ANAL.	YES	
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH	REF.#2 P.3&4 PARA.6.0& 7.0	SEQ. TYPE TEST		
LOCATION: CONT BUILDING ELEVATION: 25.0 FT.	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A		
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES								
COORDINATES: AZ 114DEG 31'	INDEX FOR INCONSISTENCY!							
ENVIRONMENT IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE1							REVISION NO. -01
QUALIF STATUS: QUALIFIED	ANALYSIS EE3							PREPARER: AD 07/30/82 DATE
	ANALYSIS EE2							CHECKER :RV 07/30/82 DATE
	REFERENCES: (1) CONAX REPORT, IPS-379;							SYSTEM:
	(2) CONAX REPORT, IPS-325							
	(3) CONAX REPORT, IPS-152.1							
	QDEF SHEET NO. -0623							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	OPERATING TIME	120 DAYS	130 DAYS	FSAR TABLE	REF. #1 P.25, PARA. 3.11-2 4.5.1	SEQ. TYPE TEST	YES	QUALIFIED LIFE IS: 40YR+120DAY	
COMPONENT: 1E LV POWER PENETRATIONS									
PLANT NUMBER: 117	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF. #1 P.23, PARA. 4.5.1	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE 1	REF. #1 P.23, PARA. 4.5.1	SEQ. TYPE TEST			
MODEL AND SERIAL NUMBER: 7320-10002-07	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF. #1 P.23, PARA. 4.5.1	SEQ. TYPE TEST			
SERVICE DESCRIPTION: CONTAINMENT 1E ELEGT PENETRAT									
FUNCTION: 480V PWR TO EQPT THE CONT.	CHEMICAL SPRAY	BORON(BORIC ACID)5.0 - 19.0PH: 1750 12150 PPM	1.2% BORIC ACID	FSAR TABLE	REF. #1 P.23, PARA. 4.5.1	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-13	
ACCURACY SPECIFIED: N/A	RADIATION	133 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS ZONE -CC G - 144	REF. # 3 APPENDIX A THRU C	TYPE TEST + ENGR. ANAL.	YES		
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH	REF. #2 P.384 PARA.6.08 7.0	SEQ. TYPE TEST			
LOCATION: CONT BUILDING ELEVATION: 40.5 FT.									
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: YES									
COORDINATES: AZ 140DEG 55'	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRONMENT IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE1	O!						PREPARER: AD 07/30/82 DATE	
QUALIF STATUS: QUALIFIED	ANALYSIS EE3	T!						CHECKER :RV 07/30/82 DATE	
	ANALYSIS EE2	R!						SYSTEM:	
		A!						QDEF SHEET NO. -0624	
		S!							

REFERENCES: (1) CONAX REPORT, IPS-374;
(2) CONAX REPORT, IPS-325
(3) CONAX REPORT, IPS-152.1

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:								
COMPONENT: 1E LV POWER PENETRATIONS	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE	REF.#1 P.25, PARA. 4.5.1	SEQ. TYPE TEST	YES	QUALIFIED LIFE IS: 40YR+120DAY
PLANT NUMBER: 118	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: 7320-10002-07	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST		
SERVICE DESCRIPTION: CONTAINMENT 1E ELECT PENETRAT	CHEMICAL SPRAY	BORON(BORIC ACID) 5.0 - 9.0PH: 1750 2150 PPM	11.2% BORIC ACID	FSAR TABLE	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-13
ACCURACY SPECIFIED: N/A	RADIATION	33 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS ZONE -CC	REF.# 3 APPENDIX A THRU C	TYPE TEST ENGR. ANAL.	YES	
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH	REF.#2 P.384	SEQ. TYPE TEST		
LOCATION: CONT BUILDING ELEVATION: 40.5 FT.	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A		
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	INDEX FOR INCONSISTENCY!							
COORDINATES: AZ 182DEG 15'	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:			REVISION NO.-01	
ENVIRON'T IS HARSH	ANALYSIS EE1	O!					PREPARER: AD 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE3	T!					DATE	
QUALIF STATUS: QUALIFIED		P!					CHECKER :RV 07/30/82	
		H!		REFERENCES:	(1) CONAX REPORT, IPS-379;		DATE	
		C!			(2) CONAX REPORT, IPS-325			
	ANALYSIS EE2	R!			(3) CONAX REPORT, IPS-152.1		SYSTEM:	
		A!						
		S!					QDEF SHEET NO.-0625	

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	RADIATION MONITORING	OPERATING TIME	120 DAYS	130 DAYS	FSAR TABLE	REF.#1 P.25, PARA. 4.5.1	SEQ. TYPE TEST	YES	QUALIFIED LIFE IS: 40YR+120DAY	
COMPONENT:	INSTRUMENTATION PENETRATIONS 1E				3.11-2					
PLANT NUMBER:	119	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PRGFILE TABLE	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE 1	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST			
MODEL AND SERIAL NUMBER:	7320-10003-01	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST			
SERVICE DESCRIPTION:	CONTAINMENT 1E ELECT PENETRAT				3.11-1					
FUNCTION:	N.I.S.INCORE DET., SPEED SW	CHEMICAL SPRAY	BORON(BOR. ACID)5.0 - 19.0PH: 1750 12150 PPM	1.2% BORIC ACID	FSAR TABLE	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-13	
ACCURACY SPECIFIED:	N/A	RADIATION	33 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS ZONE -CC G - 144	REF.# 3 APPENDIX A THRU C	TYPE TEST + ENGR. ANAL.	YES		
ACCURACY DEMONS.:	N/A									
LOCATION:	CONT BUILDING	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH	REF.#2 P.384 PARA.6.08	SEQ. TYPE TEST			
ELEVATION:	28.0 FT.				3.11-1	7.0				
FLOOD LEVEL EL:	+0.5 FEET	SUBMER- GENCE	N/A	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL:	YES									
COORDINATES:	AZ 107DEG 33'	INDEX FOR INCONSISTENCY!								
ENVIRON'T IS HARSH		ANALYSIS IN WORKFILE (IF REQUIRED)								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:		ANALYSIS EE1								REVISED NO.-01
QUALIF STATUS:	QUALIFIED	ANALYSIS EE3								PREPARER: AD 07/30/82
		ANALYSIS EE2								CHECKER :RV 07/30/82
		REFERENCES: (1) CONAX REPORT, IPS-379;								DATE
		(2) CONAX REPORT, IPS-325								
		(3) CONAX REPORT, IPS-152.1								SYSTEM: RADIATION MONITORING
										QDEF SHEET NO.-0626

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	RADIATION MONITORING	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE	REF.#1	SEQ. TYPE	YES	QUALIFIED LIFE IS: 40YR+120DAY	
COMPONENT:	INSTRUMENTATION PENETRATIONS 1E				3.11-2	4.5.1	TEST			
PLANT NUMBER:	120	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE 1	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST			
MODEL AND SERIAL NUMBER:	7320-10003-02	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF.#1	SEQ. TYPE			
SERVICE DESCRIPTION:	CONTAINMENT 1E ELECT PENETRAT				3.11-1	4.5.1	TEST			
FUNCTION:	N.I.S. INCORE DET., SPEED SW	CHEMICAL SPRAY	BORON(BOR. ACID)5.0 - 9.0PH: 1750	1.2% BORIC ACID	FSAR TABLE	REF.#1	SEQ. TYPE		GENERIC FILE: EQ-EE-13	
ACCURACY SPECIFIED:	N/A	RADIATION	13. MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS	REF # 3 APPENDIX A THRU C	TYPE TEST + ENGR.	YES		
ACCURACY DEMONS.:	N/A		327 MRAD (BETA)		ZONE -CC G - 144		ANAL.			
LOCATION:	CONT BUILDING	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH	REF.#2 P.384	SEQ. TYPE			
ELEVATION:	28.0 FT.		120 DAYS	120 DAYS	3.11-1	7.0	TEST			
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL:	YES									
COORDINATES:	AZ 129DEG 27'	INDEX FOR INCONSISTENCY!								
ENVIRON'T IS HARSH		ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:		ANALYSIS EE1 O!								PREPARER:AD 07/30/82
QUALIF STATUS:	QUALIFIED	ANALYSIS EE3 T!								DATE
		ANALYSIS EE2 R!								CHECKER :RV 07/30/82
		A!								DATE
		S!								SYSTEM: RADIATION MONITORING
		REFERENCES: (1) CONAX REPORT, IPS-379;								QDEF SHEET NO.-0627
		(2) CONAX REPORT, IPS-325								
		(3) CONAX REPORT, IPS-152.1								

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	RADIATION MONITORING	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE	REF.#1	SEQ. TYPE	YES	QUALIFIED LIFE IS: 40YR+120DAY	
COMPONENT:	INSTRUMENTATION PENETRATIONS 1E				3.11-2	4.5.1	TEST			
PLANT NUMBER:	121	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1	SEQ. TYPE	YES	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE 1	REF.#1	SEQ. TYPE			
MODEL AND SERIAL NUMBER:	7320-10001-02	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF.#1	SEQ. TYPE			
SERVICE DESCRIPTION:	CONTAINMENT 1E ELECT PENETRAT				3.11-1	P.23,PARA. 4.5.1	TEST			
FUNCTION:	N.I.S.EXCORE DET.,CABLES	CHEMICAL SPRAY	BORON(BORIC ACID)5.0 - 19.0PH:1750	1.2% BORIC ACID	FSAR TABLE	REF.#1	SEQ. TYPE		GENERIC FILE: EQ-EE-13	
ACCURACY SPECIFIED:	N/A	RADIATION	133 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS	REF.# 3	TYPE TEST +	YES		
ACCURACY DEMONS.:	N/A		327 MRAD (BETA)		ZONE -CC G - 144	A THRU C	ENGR. ANAL.			
LOCATION:	CONT BUILDING	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH	REF.#2	SEQ. TYPE			
ELEVATION:	40.5 FT.		120 DAYS	120 DAYS	3.11-1	P.3&4 PARA.6.0& 7.0	TEST			
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL:	YES									
COORDINATES:	AZ 192DEG 41'	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:		ANALYSIS EE1	O!						PREPARER:AD 07/30/82	
QUALIF STATUS:	QUALIFIED	ANALYSIS EE3	T!						DATE	
			P!						CHECKER :RV 07/30/82	
			H!		REFERENCES:	(1) CONAX REPORT, IPS-379;			DATE	
			C!			(2) CONAX REPORT, IPS-325				
		ANALYSIS EE2	R!			(3) CONAX REPORT, IPS-152.1			SYSTEM:RADIATION MONITORING	
			A!						QDEF SHEET NO.-0628	
			S!							

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	RADIATION MONITORING	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE	REF.#1 P.25, PARA. 4.5.1	SEQ. TYPE TEST	YES	QUALIFIED LIFE IS: 40YR+120DAY	
COMPONENT:	INSTRUMENTATION PENETRATIONS 1E				3.11-2	4.5.1				
PLANT NUMBER:	122	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST			
MODEL AND SERIAL NUMBER:	7320-10003-02	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST			
SERVICE DESCRIPTION:	CONTAINMENT 1E ELECT PENETRAT									
FUNCTION:	N.I.S.EXCORE DET., CABLES	CHEMICAL SPRAY	BORON(BOR. ACID)5.0 - 19.0PH: 1750	1.2% BORIC ACID	FSAR TABLE	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-13	
ACCURACY SPECIFIED:	N/A	RADIATION	33 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS	REF.# 3 APPENDIX A THRU C	TYPE TEST + ENGR. ANAL.	YES		
ACCURACY DEMONS.:	N/A	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH	REF.#2 P.384 PARA.6.08	SEQ. TYPE TEST			
LOCATION:	CONT BUILDING									
ELEVATION:	40.5 FT.				3.11-1	7.0				
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL:	YES									
COORDINATES:	AZ 129DEG 27'	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO. -01
ENVIRON'T IS HARSH		ANALYSIS EE1 O!								PREPARER: AD 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:		ANALYSIS EE3 T!								DATE
QUALIF STATUS:	QUALIFIED	P!								CHECKER :RV 07/30/82
		H!								DATE
		C!								
		R!								SYSTEM: RADIATION MONITORING
		A!								QDEF SHEET NO.-0629
		S!								
		REFERENCES: (1) CONAX REPORT, IPS-379;								
		(2) CONAX REPORT, IPS-325								
		(3) CONAX REPORT, IPS-152.1								

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: RADIATION MONITORING	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE	REF.#1	SEQ. TYPE	YES	QUALIFIED LIFE IS: 40YR+120DAY
COMPONENT: INSTRUMENTATION PENETRATIONS 1E				3.11-2	4.5.1	TEST		
PLANT NUMBER: 123	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1	SEQ. TYPE	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE 1	REF.#1	SEQ. TYPE		
MODEL AND SERIAL NUMBER: 7320-10001-02					4.5.1	TEST		
SERVICE DESCRIPTION: CONTAINMENT 1E ELECT PENETRAT	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF.#1	SEQ. TYPE		
FUNCTION: N.I.S.EXCORE DET.CABLES	CHEMICAL SPRAY	BORON(BORIC ACID)5.0 - 19.0PH: 1750	1.2% BORIC ACID	FSAR TABLE	REF.#1	SEQ. TYPE		GENERIC FILE. EQ-EE-13
ACCURACY SPECIFIED: N/A	RADIATION	33 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS	REF.# 3	TYPE TEST +	YES	
ACCURACY DEMONS.: N/A		327 MRAD (BETA)		ZONE -CC G - 144	A THR'	ENGR. ANAL.		
LOCATION: CONT BUILDING ELEVATION: 40.5 FT.	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH	REF.#2	SEQ. TYPE		
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: YES								
COORDINATES: AZ 127DEG 26'	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE1							REVISION NO.-01
QUALIF STATUS: QUALIFIED	ANALYSIS EE3							PREPARER: AD 07/30/82 DATE
	ANALYSIS EE2							CHECKER: RV 07/30/82 DATE
								REFERENCES: (1) CONAX REPORT, IPS-379; (2) CONAX REPORT, IPS-325 (3) CONAX REPORT, IPS-152.1
								SYSTEM: RADIATION MONITORING
								QDEF SHEET NO.-0630

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	RADIATION MONITORING	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE	REF.#1	SEQ. TYPE	YES	QUALIFIED LIFE IS: 40YR+120DAY	
COMPONENT:	INSTRUMENTATION PENETRATIONS 1E				3.11-2	4.5.1	TEST			
PLANT NUMBER:	124	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1	SEQ. TYPE	YES	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE 1	REF.#1	SEQ. TYPE			
MODEL AND SERIAL NUMBER:	7320-10001-02	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF.#1	SEQ. TYPE			
SERVICE DESCRIPTION:	CONTAINMENT 1E ELECT PENETRAT				3.11-1	P.23,PARA. 4.5.1	TEST			
FUNCTION:	N.I.S.EXCORE DET.CABLES	CHEMICAL SPRAY	BORON(BORIC ACID)5.0 - 9.0PH: 1750 2150 PPM	1.2% BORIC ACID	FSAR TABLE	REF.#1	SEQ. TYPE		GENERIC FILE: EQ-EE-13	
ACCURACY SPECIFIED:	N/A	RADIATION	133 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS ZONE -CC	REF.# 3 APPENDIX A THRU C	TYPE TEST + ENGR. ANAL.	YES		
ACCURACY DEMONS.:	N/A	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH	REF.#2	SEQ. TYPE			
LOCATION:	CONT BUILDING					P.384	TEST			
ELEVATION:	40.5 FT.					PARA.6.0& 7.0				
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL:	YES									
COORDINATES:	AZ 207DEG 37'	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH:		OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:		ANALYSIS EE1	O!						PREPARER:AD 07/30/82	
QUALIF STATUS:	QUALIFIED	ANALYSIS EE3	T!						DATE	
		ANALYSIS EE2	R!						CHECKER :RV 07/30/82	
			A!						DATE	
			S!						SYSTEM:RADIATION MONITORING	
									QDEF SHEET NO.-0631	

REFERENCES: (1) CONAX REPORT, IPS-379;
(2) CONAX REPORT, IPS-325
(3) CONAX REPORT, IPS-152.1

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	OPERATING TIME	120 DAYS	130 DAYS	FSAR TABLE	REF.#1	SEQ. TYPE	YES	QUALIFIED LIFE IS: 40YR+120DAY	
COMPONENT: 1E CONTROL PENETRATIONS 1E				3.11-2	4.5.1	TEST			
PLANT NUMBER: 127	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHED:	
MANUFACTURER: COMAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST			
MODEL AND SERIAL NUMBER: 7320-10003-18	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST			
SERVICE DESCRIPTION: CONTAINMENT 1E ELECT PENEYRAT				3.11-1	4.5.1	TEST			
FUNCTION: CEA POSITION INDICATION	CHEMICAL SPRAY	BORON(BORIC ACID) 5.0 - 19.0PH:1750 12150 PPM	11.2% BORIC ACID	FSAR TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-13	
ACCURACY SPECIFIED: N/A	RADIATION	33 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS ZONE -CC	REF.# 3 APPENDIX A THRU C	TYPE TEST + ENGR.	YES		
ACCURACY DEMONS.: N/A		327 MRAD (BETA)		G - 144		ANAL.			
LOCATION: CONT BUILDING ELEVATION: 37.5 FT.	AGING	40 YEARS PLUS 120 DAYS	40 YEARS PLUS 120 DAYS	FSAR PARAGRAPH	REF.#2 P.384 PARA.6.0& 7.0	SEQ. TYPE TEST			
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: YES									
COORDINATES: AZ 207DEG 37	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS ODEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE1	O!						PREPARER: AD 07/30/82 DATE	
QUALIF STATUS: QUALIFIED	ANALYSIS EE3	T!						CHECKER :RV 07/30/82 DATE	
	ANALYSIS EE2	R!						SYSTEM:	
		A!							
		S!						ODEF SHEET NO. -0632	
				REFERENCES:	(1) CONAX REPORT, IPS-379;				
					(2) CONAX REPORT, IPS-325				
					(3) CONAX REPORT, IPS-152.1				

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE	REF.#1	SEQ. TYPE	YES	QUALIFIED LIFE IS: 40YR+120DAY
COMPONENT: INSTRUMENTATION PENETRATIONS 1E				3.11-2	4.5.1	TEST		
PLANT NUMBER: 133	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1	SEQ. TYPE	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE 1	REF.#1	SEQ. TYPE		
MODEL AND SERIAL NUMBER: 7320-10003-04	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF.#1	SEQ. TYPE		
SERVICE DESCRIPTION: CONTAINMENT 1E ELECT PENETRAT				3.11-1	P.23,PARA. 4.5.1	TEST		
FUNCTION: CEA POSITION INDICATION	CHEMICAL SPRAY	BORON(BORIC ACID)5.0 - 9.0PH:1750 12150 PPM	1.2% BORIC ACID	FSAR TABLE	REF.#1	SEQ. TYPE		GENERIC FILE: EQ-EE-13
ACCURACY SPECIFIED: N/A	RADIATION	33 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS ZONE -CC	REF.# 3 APPENDIX A THRU C	TYPE TEST + ENGR. ANAL.	YES	
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH	REF.#2	SEQ. TYPE		
LOCATION: CONT BUILDING ELEVATION: 37.5 FT.		120 DAYS	120 DAYS	3.11-1	P.384 PARA.6.08 7.0	TEST		
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A		
COORDINATES: AZ 204DEG 08'	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH	ANALYSIS EE1						REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE3						PREPARER: AD 07/30/82 DATE	
QUALIF STATUS: QUALIFIED	ANALYSIS EE2						CHECKER :RV 07/30/82 DATE	
	REFERENCES: (1) CONAX REPORT, IPS-379; (2) CONAX REPORT, IPS-325 (3) CONAX REPORT, IPS-152.1						SYSTEM:	
							QDEF SHEET NO.-0633	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:								
COMPONENT: I&C 1E PENETRATIONS	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE 3.11-2	REF.#1 P.25, PARA. 4.5.1	SEQ. TYPE TEST	YES	QUALIFIED LIFE IS: 40YR+120DAY
PLANT NUMBER: 134	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE 1	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: 7320-10003-05								
SERVICE DESCRIPTION: CONTAINMENT 1E ELECT PENETRAT	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE 3.11-1	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST		
FUNCTION: CFC INSTRU.:CEA POSITION D.	CHEMICAL SPRAY	BORON(BORIC ACID) 5.0 - 19.0PH: 1750	1.2% BORIC ACID	FSAR TABLE 3.11-1	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-13
ACCURACY SPECIFIED: N/A	RADIATION	33 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS ZONE -CC G - 144	REF.# 3 APPENDIX A THRU C	TYPE TEST + ENGR. ANAL.	YES	
ACCURACY DEMONS.: N/A								
LOCATION: CONT BUILDING ELEVATION: 37.5 FT.	AGING	40 YEARS PLUS 120 DAYS	40 YEARS PLUS 120 DAYS	FSAR PARAGRAPH 3.11-1	REF.#2 P.384 PARA.6.0& 7.0	SEQ. TYPE TEST		
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A		
COORDINATES: AZ 185DEG 43	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE1							REVISION NO. -01
QUALIF STATUS: QUALIFIED	ANALYSIS EE3							PREPARER: AD 07/30/82 DATE
	ANALYSIS EE2							CHECKER: RV 07/30/82 DATE
	REFERENCES: (1) CONAX REPORT, IPS-379;							
	(2) CONAX REPORT, IPS-325							
	(3) CONAX REPORT, IPS-152.1							SYSTEM:
								QDEF SHEET NO. -0634

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE	REF.#1	SEQ.	YES	QUALIFIED LIFE IS: 40YR+120DAY	
COMPONENT: INSTRUMENTATION PENETRATIONS 1E				3.11-2	4.5.1	TEST			
PLANT NUMBER: 135	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE 1	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST			
MODEL AND SERIAL NUMBER: 7320-10003-06	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF.#1	SEQ.			
SERVICE DESCRIPTION: CONTAINMENT 1E ELECT PENETRAT				3.11-1	P.23,PARA. 4.5.1	TYPE TEST			
FUNCTION: CEA POSITION INDICATION	CHEMICAL SPRAY	BORON(BORIC ACID) 5.0 - 19.0PH: 1750	1.2% BORIC ACID	FSAR TABLE	REF.#1	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-13	
ACCURACY SPECIFIED: N/A	RADIATION	33 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS ZONE -CC	REF.# 3 APPENDIX A THRU C	TYPE TEST + ENGR.	YES		
ACCURACY DEMONS.: N/A		327 MRAD (BETA)		G - 144		ANAL.			
LOCATION: CONT BUILDING ELEVATION: 25.0 FT.	AGING	40 YEARS PLUS 120 DAYS	40 YEARS PLUS 120 DAYS	FSAR PARAGRAPH	REF.#2 P.384 PARA.6.08	SEQ. TYPE TEST			
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: YES									
COORDINATES: AZ 137DEG 26'	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:		REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS EE1 O!						ANALYSIS EE3 T!		PREPARER: AD 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE2 R!						ANALYSIS EE3 A!		CHECKER :RV 07/30/82 DATE
QUALIF STATUS: QUALIFIED	S!						REFERENCES: (1) CONAX REPORT, IPS-379; (2) CONAX REPORT, IPS-325 (3) CONAX REPORT, IPS-152.1		SYSTEM:
									QDEF SHEET NO.-0635

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	! OPERATING TIME	!! 120 DAYS	! 30 DAYS	! FSAR TABLE	! REF.#1	! SEQ. TYPE	! YES	! QUALIFIED LIFE IS: 40YR+120DAY
COMPONENT: I&C 1E PENETRATIONS	! !	! !	! !	! 3.11-2	! 4.5.1	! TEST	! !	! !
PLANT NUMBER: 136	! TEMPERATURE	!! 414 DEGF	! 340 DEGF	! LOCA/MSLB PROFILE TABLE	! REF.#1	! SEQ. TYPE	! YES	! MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: CONAX	! PRESSURE	!! 44 PSIG	! 103 PSIG	! LOCA/MSLB PROFILE TABLE 1	! REF.#1	! SEQ. TYPE	! !	! !
MODEL AND SERIAL NUMBER: 7320-10003-19	! !	! !	! !	! !	! !	! !	! !	! !
SERVICE DESCRIPTION: CONTAINMENT 1E ELECT PENETRAT	! RELATIVE HUMIDITY	!! 100 %	! 100 %	! FSAR TABLE	! REF.#1	! SEQ. TYPE	! !	! !
FUNCTION: CFC INSTRU.;CEA POSITION IND.	! CHEMICAL SPRAY	!! BORON(BOR. ACID)5.0 - 9.0PH:1750	! 1.2% BORIC ACID	! FSAR TABLE	! REF.#1	! SEQ. TYPE	! !	! GENERIC FILE: EQ-EE-13
ACCURACY SPECIFIED: N/A	! RADIATION	!! 33 MRAD (GAMMA)	! 180-200 MRAD (GAMMA)	! RADIATION MAPS	! REF.# 3	! TYPE	! YES	! !
ACCURACY DEMONS.: N/A	! !	!! 327 MRAD (BETA)	! !	! ZONE -CC G - 144	! APPENDIX A THRU C	! ENGR. ANAL.	! !	! !
LOCATION: CONT BUILDING ELEVATION: 25.0 FT.	! AGING	!! 40 YEARS PLUS	! 40 YEARS PLUS	! FSAR PARAGRAPH	! REF.#2	! SEQ. TYPE	! !	! !
FLOOD LEVEL: EL: +0.5 FEET	! SUBMERGENCE	!! N/A	! N/A	! N/A	! P.3&4	! TEST	! !	! !
ABOVE FLOOD LEVEL: YES	! !	! !	! !	! !	! PARA.6.0& 7.0	! !	! !	! !
COORDINATES: AZ 129DEG 27	! INDEX FOR INCONSISTENCY!						! !	! !
ENVIRON'T IS HARSH	! ANALYSIS IN WORKFILE (IF REQUIRED)						! !	! REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:	! ANALYSIS EE1	! O!	! !	! !	! !	! !	! !	! PREPARER: AD 07/30/82
QUALIF STATUS: QUALIFIED	! ANALYSIS EE3	! T!	! !	! !	! !	! !	! !	! DATE
	! ANALYSIS EE2	! R!	! !	! !	! !	! !	! !	! CHECKER :RV 07/30/82
	! !	! A!	! !	! !	! !	! !	! !	! DATE
	! !	! S!	! !	! !	! !	! !	! !	! SYSTEM:
	! !	! !	! !	! !	! !	! !	! !	! QDEF SHEET NO. -0636

REFERENCES: (1) CONAX REPORT, IPS-379;
(2) CONAX REPORT, IPS-325
(3) CONAX REPORT, IPS-152.1

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE	REF.#1	SEQ. TYPE	YES	QUALIFIED LIFE IS: 40YR+120DAY	
COMPONENT: IE CONTROL PENETRATIONS				3.11-2	4.5.1	TEST			
PLANT NUMBER: 141	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1	SEQ. TYPE	YES	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE 1	REF.#1	SEQ. TYPE			
MODEL AND SERIAL NUMBER: 7320-10003-09									
SERVICE DESCRIPTION: CONTAINMENT 1E ELECT PENETRAT	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF.#1	SEQ. TYPE			
FUNCTION: CLASS 1E CONTROL CABLES	CHEMICAL SPRAY	BORON(BORIC ACID)5.0 - 9.0PH:1750	1.2% BORIC ACID	FSAR TABLE	REF.#1	SEQ. TYPE		GENERIC FILE: EQ-EE-13	
ACCURACY SPECIFIED: N/A	RADIATION	33 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS ZONE -CC	REF.# 3 APPENDIX A THRU C	TYPE TEST + ENGR.	YES		
ACCURACY DEMONS.: N/A				G - 144		ANAL.			
LOCATION: CONT BUILDING ELEVATION: 37.5 FT.	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH	REF.#2	SEQ. TYPE			
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: YES									
COORDINATES: AZ 230DEG 32'	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:		REVISION NO.-01
ENVIRONMENT IS HARSH	ANALYSIS EE1						REFERENCES: (1) CONAX REPORT, IPS-379;		PREPARER: AD 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE3						(2) CONAX REPORT, IPS-325		DATE
QUALIF STATUS: QUALIFIED	ANALYSIS EE2						(3) CONAX REPORT, IPS-152.1		CHECKER: RV 07/30/82
									DATE
									SYSTEM:
									QDEF SHEET NO.-0637

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE	REF.#1 P.25,PARA. 4.5.1	SEQ. TYPE TEST	YES	QUALIFIED LIFE IS: 40YR+120DAY	
COMPONENT: 1E CONTROL PENETRATIONS				3.11-2	4.5.1				
PLANT NUMBER: 142	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHED:	
MANUFACTURER: CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE 1	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST			
MODEL AND SERIAL NUMBER: 7320-10003-02									
SERVICE DESCRIPTION: CONTAINMENT 1E ELECT PENETRAT	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST			
FUNCTION: CLASS 1E CONTROL CABLES	CHEMICAL SPRAY	BORON(BORIC ACID)5.0 - 19.0PH:1750 2150 PPM	1.2% BORIC ACID	FSAR TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-13	
ACCURACY SPECIFIED: N/A	RADIATION	33 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS ZONE -CC	REF.# 3 APPENDIX A THRU C	TYPE TEST + ENGR.	YES		
ACCURACY DEMONS.: N/A				G - 144		ANAL.			
LOCATION: CONT BUILDING ELEVATION: 40.5 FT.	AGING	40 YEARS PLUS 120 DAYS	40 YEARS PLUS 120 DAYS	FSAR PARAGRAPH	REF.#2 P.3&4 PARA.6.0& 7.0	SEQ. TYPE TEST			
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: YES									
COORDINATES: AZ 114DEG 31'	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRONMENT IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE1	O!						PREPARER: AD 07/30/82 DATE	
QUALIF STATUS: QUALIFIED	ANALYSIS EE3	T!						CHECKER :RV 07/30/82 DATE	
	ANALYSIS EE2	R!						SYSTEM:	
		A!							
		S!						QDEF SHEET NO.-0638	
				REFERENCES:	(1) CONAX REPORT, IPS-379; (2) CONAX REPORT, IPS-325 (3) CONAX REPORT, IPS-152.1				

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE	REF.#1	SEQ. TYPE	YES	QUALIFIED LIFE IS: 40YR+120DAY
COMPONENT: INSTRUMENTATION PENETRATIONS 1E				3.11-2	4.5.1	TEST		
PLANT NUMBER: 143	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE 1	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST		
MODFL AND SERIAL NUMBER: 7320-10003-02	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST		
SERVICE DESCRIPTION: CONTAINMENT 1E ELECT PENETRAT								
FUNCTION: N.I.S. INCORE DET. SPEED SW	CHEMICAL SPRAY	BORON(BORIC ACID)5.0 - 19.0PH: 1750	1.2% BORIC ACID	FSAR TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST		GENERIC FILE: IEQ-EE-13
ACCURACY SPECIFIED: N/A	RADIATION	33 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS ZONE -CC G - 144	REF.# 3 APPENDIX A THRU C	TYPE TEST + ENGR. ANAL.	YES	
ACCURACY DEMONS.: N/A								
LOCATION: CONT BUILDING ELEVATION: 40.5 FT.	AGING	40 YEARS PLUS 120 DAYS	40 YEARS PLUS 120 DAYS	FSAR PARAGRAPH	REF.#2 P.384 PARA.6.08 7.0	SEQ. TYPE TEST		
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: YES								
COORDINATES: AZ 204DEG 08'	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE1						0	REVISION NO.-01
QUALIF STATUS: QUALIFIED	ANALYSIS EE3						T	PREPARER: AD 07/30/82 DATE
							P	CHECKER :RV 07/30/82 DATE
							H	
							C	REFERENCES: (1) CONAX REPORT, IPS-379;
							R	(2) CONAX REPORT, IPS-325
							A	(3) CONAX REPORT, IPS-152.1
							S	SYSTEM:
								QDEF SHEET NO.-0639

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:								
COMPONENT: INSTRUMENTATION PENETRATIONS 1E	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE 3.11-2	REF.#1 P.25, PARA. 4.5.1	SEQ. TYPE TEST	YES	QUALIFIED LIFE IS: 40YR+120DAY
PLANT NUMBER: 148	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE 1	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: 7320-10003-01	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE 3.11-1	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST		
SERVICE DESCRIPTION: CONTAINMENT 1E ELECT PENETRAT								
FUNCTION: N.I.S. INCORE DET. SPEED SW	CHEMICAL SPRAY	BORON(BOR. ACID)5.0 - 9.0PH: 1750 2150 PPM	1.2% BORIC ACID	FSAR TABLE 3.11-1	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-13
ACCURACY SPECIFIED: N/A	RADIATION	33 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS ZONE -CC G - 144	REF.# 3 APPENDIX A THRU C	TYPE TEST + ENGR. ANAL.	YES	
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH 3.11-1	REF.#2 P.384 PARA.6.0& 7.0	SEQ. TYPE TEST		
LOCATION: CONT BUILDING ELEVATION: 40.5 FT.								
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: YES								
COORDINATES: AZ 185DEG 43'	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	ANALYSIS EE1 ANALYSIS EE3 ANALYSIS EE2							
	OTHER EQUIPMENT THIS QDEF APPLIES TO:							
	REFERENCES: (1) CONAX REPORT, IPS-379; (2) CONAX REPORT, IPS-325 (3) CONAX REPORT, IPS-152.1							
	REVISION NO.-01							
	PREPARER: AD 07/30/82 DATE							
	CHECKER: RV 07/30/82 DATE							
	SYSTEM:							
	QDEF SHEET NO.-0640							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	OPERATING TIME	!! 120 DAYS	!! 30 DAYS	FSAR TABLE	REF.#1	SEQ. TYPE	YFS	QUALIFIED LIFE IS: 40YR+120DAY
COMPONENT: INSTRUMENTATION PENETRATION		!!	!!	3.11-2	4.5.1	TEST		
PLANT NUMBER: 137	TEMPERATURE	!! 414 DEGF	!! 340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1	SEQ. TYPE	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: CONAX	PRESSURE	!! 44 PSIG	!! 103 PSIG	LOCA/MSLB PROFILE TABLE	REF.#1	SEQ. TYPE		
MODEL AND SERIAL NUMBER: 7320-10003-20		!!	!!		4.5.1	TEST		
SERVICE DESCRIPTION: CONTAINMENT ELECT PENETRAT	RELATIVE HUMIDITY	!! 100 %	!! 100 %	FSAR TABLE	REF.#1	SEQ. TYPE		
		!!	!!	3.11-1	P.23,PARA. 4.5.1	TEST		
FUNCTION: NON 1E LOW LEVEL CABLES	CHEMICAL SPRAY	!!BORON(BORIC ACID)5.0 - 9.0PH:1750	!!1.2% BORIC ACID	FSAR TABLE	REF.#1	SEQ. TYPE		GENERIC FILE: EQ-EE-13
ACCURACY SPECIFIED: N/A		!!2150 PPM	!!	3.11-1	4.5.1	TEST		
ACCURACY DEMONS.: N/A	RADIATION	!!33 MRAD (GAMMA)	!! 180-200 MRAD (GAMMA)	RADIATION MAPS ZONE -CC	REF.# 3	TYPE ENGR.	YES	
		!! (BETA)	!!	G - 144	APPENDIX A THRU C	ANAL.		
LOCATION: CONT BUILDING ELEVATION: 37.5 FT.	AGING	!! 40 YEARS PLUS	!! 40 YEARS PLUS	FSAR PARAGRAPH	REF.#2	SEQ. TYPE		
		!! 120 DAYS	!! 120 DAYS	3.11-1	P.3&4	TEST		
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	!!N/A	!!N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: YES		!!	!!					
COORDINATES: AZ 192DEG 41'	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE1	O!					PREPARER: AD	07/30/82
QUALIF STATUS: QUALIFIED	ANALYSIS EE3	T!					DATE	
		P!					CHECKER: RV	07/30/82
		H!		REFERENCES: (1) CONAX REPORT, IPS-379;			DATE	
		C!		(2) CONAX REPORT, IPS-325				
	ANALYSIS EE2	R!		(3) CONAX REPORT, IPS-152.1			SYSTEM:	
		A!						
		S!						QDEF SHEET NO. -0641

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE	REF.#1	SEQ. TYPE	YES	QUALIFIED LIFE IS: 40YR+120DAY	
COMPONENT: INSTRUMENTATION PENETRATIONS				3.11-2	4.5.1	TEST			
PLANT NUMBER: 139	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1	SEQ. TYPE	YES	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PRGFILE TABLE 1	REF.#1	SEQ. TYPE			
MODEL AND SERIAL NUMBER: 7320-10003-08	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF.#1	SEQ. TYPE			
SERVICE DESCRIPTION: CONTAINMENT ELECT PENETRAT				3.11-1	P.23,PARA. 4.5.1	TEST			
FUNCTION: NON 1E LOW LEVEL CABLES	CHEMICAL SPRAY	BORON(BORIC ACID)5.0 - 9.0PH:1750	11.2% BORIC ACID	FSAR TABLE	REF.#1	SEQ. TYPE		GENERIC FILE: EC-EE-13	
ACCURACY SPECIFIED: N/A	RADIATION	33 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS ZONE -CC	REF.# 3 APPENDIX A THRU C	TYPE TEST + ENGR.	YES		
ACCURACY DEMONS.: N/A		327 MRAD (BETA)		G - 144		ANAL.			
LOCATION: CONT BUILDING ELEVATION: 37.5 FT.	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH	REF.#2	SEQ. TYPE			
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: YES									
COORDINATES: AZ 189DEG 12'	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE1	O!						PREPARER: AD 07/30/82	
QUALIF STATUS: QUALIFIED	ANALYSIS EE3	T!						DATE	
		P!						CHECKER :RV 07/30/82	
		H!						DATE	
		C!							
	ANALYSIS EE2	R!						SYSTEM:	
		A!							
		S!						QDEF SHEET NO. -0642	
				REFERENCES:	(1) CONAX REPORT, IPS-379;				
					(2) CONAX REPORT, IPS-325				
					(3) CONAX REPORT, IPS-152.1				

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:									
COMPONENT: INSTRUMENTATION PENETRATIONS	OPERATING TIME	120 DAYS	130 DAYS	FSAR TABLE	REF.#1 P.25,PARA. 4.5.1	SEQ. TYPE TEST	YES	QUALIFIED LIFE IS: 40YR+120DAY	
PLANT NUMBER: 140	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE 1	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST			
MODEL AND SERIAL NUMBER: 7320-10003-11	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST			
SERVICE DESCRIPTION: CONTAINMENT ELECT PENETRAT	CHEMICAL SPRAY	BORON(BORIC ACID)5.0 - 19.0PH: 1750 2150 PPM	1.2% BORIC ACID	FSAR TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-13	
FUNCTION: NON 1E LOW LEVEL CABLES	RADIATION	33 MRAD (GAMMA)	180-200 MRAD (GAMMA)	PADIATION MAPS ZONE -CC G - 144	REF.# 3 APPENDIX A THRU C	TYPE TEST + ENGR. ANAL.	YES		
ACCURACY SPECIFIED: N/A	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH	REF.#2 P.384	SEQ. TYPE TEST			
LOCATION: CONT BUILDING ELEVATION: 37.5 FT.	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A			
FLOOD LEVEL EL: +0.5 FEET									
ABOVE FLOOD LEVEL: YES									
COORDINATES: AZ 129DEG 27	INDICATE INCONSISTENCY! THIS IS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH:	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE1	O!						PREPARER: AD 07/30/82	
QUALIF STATUS: QUALIFIED	ANALYSIS EE3	T!						DATE	
		P!						CHECKER: RV 07/30/82	
		H!						DATE	
		C!							
	ANALYSIS EE2	R!						SYSTEM:	
		A!							
		S!						QDEF SHEET NO.-0643	

REFERENCES: (1) CONAX REPORT, IPS-379;
(2) CONAX REPORT, IPS-325
(3) CONAX REPORT, IPS-152.1

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE 3.11-2	REF.#1 P.25, PARA. 4.5.1	SEQ. TYPE TEST	YES	QUALIFIED LIFE IS: 40YR+120DAY	
COMPONENT: CONTROL PENETRATIONS									
PLANT NUMBER: 144	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE 1	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST			
MODEL AND SERIAL NUMBER: 7320-10003-12	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE 3.11-1	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST			
SERVICE DESCRIPTION: CONTAINMENT ELECT PENETRAT									
FUNCTION: NON 1E CONTROL CABLES	CHEMICAL SPRAY	BORON(BOR. ACID)5.0 - 9.0PH: 1750 2150 PPM	1.2% BORIC ACID	FSAR TABLE 3.11-1	REF.#1 P.23, PARA. 4.5.1	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-13	
ACCURACY SPECIFIED: N/A	RADIATION	33 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS ZONE -CC G - 144	REF.# 3 APPENDIX A THRU C	TYPE TEST + ENGR. ANAL.	YES		
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH 3.11-1	REF.#2 P.384 PARA.6.08 7.0	SEQ. TYPE TEST			
LOCATION: CONT BUILDING ELEVATION: 37.5 FT.									
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: YES									
COORDINATES: AZ 219DEG 05'	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO. -01
ENVIRON'T IS HARSH	ANALYSIS EE1 O! ANALYSIS EE3 T!								PREPARER: AD 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:	P!								CHECKER :RV 07/30/82 DATE
QUALIF STATUS: QUALIFIED	H! C! R! A! S!								SYSTEM.
	REFERENCES: (1) CONAX REPORT, IPS-379; (2) CONAX REPORT, IPS-325 (3) CONAX REPORT, IPS-152.1								QDEF SHEET NO. -0644

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE	REF.#1	SEQ. TYPE	YES	QUALIFIED LIFE IS: 40YR+120DAY	
COMPONENT: INSTRUMENTATION PENETRATIONS				3.11-2	4.5.1	TEST			
PLANT NUMBER: 145	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: CONAX	PRESSURE	44 PSIG	103 PSIG	LI/CA/MSLB PROFILE TABLE 1	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST			
MODEL AND SERIAL NUMBER: 7320-10003-13	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF.#1	SEQ. TYPE			
SERVICE DESCRIPTION: CONTAINMENT ELECT PENETRAT				3.11-1	P.23,PARA. 4.5.1	TEST			
FUNCTION: NON 1E LOW LEVEL CABLES	CHEMICAL SPRAY	BORON(BOR. ACID)5.0 - 9.0PH:1750	1.2% BORIC ACID	FSAR TABLE	REF.#1	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-13	
ACCURACY SPECIFIED: N/A	RADIATION	33 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS ZONE -CC	REF.# 3 APPENDIX A THRU C	TYPE TEST + ENGR. ANAL.	YES		
ACCURACY DEMONS.: N/A		327 MRAD (BETA)		G - 144					
LOCATION: CONT BUILDING ELEVATION: 28.0 FT.	AGING	40 YEARS PLUS 120 DAYS	40 YEARS PLUS 120 DAYS	FSAR PARAGRAPH	REF.#2 P.384 PARA.6.08	SEQ. TYPE TEST			
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A			
COORDINATES: AZ 137DEG 26'	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS EE1	O						PREPARER: AD 07/30/82 DATE	
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE3	T						CHECKER : RV 07/30/82 DATE	
QUALIF STATUS: QUALIFIED		P							
		H		REFERENCES: (1) CONAX REPORT, IPS-379;					
		C		(2) CONAX REPORT, IPS-325					
	ANALYSIS EE2	R		(3) CONAX REPORT, IPS-152.1				SYSTEM:	
		A							
		S						QDEF SHEET NO.-0645	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	OPERATING TIME	120 DAYS	130 DAYS	FSAR TABLE	REF.#1	SEQ. TYPE	YES	QUALIFIED LIFE IS: 40YR+120DAY
COMPONENT: CONTROL PENETRATIONS				3.11-2	4.5.1	TEST		
PLANT NUMBER: 146	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST		
MODEL AND SERIAL NUMBER: 7320-10003-14	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST		
SERVICE DESCRIPTION: CONTAINMENT ELECT PENETRAT	CHEMICAL SPRAY	BORON(BORIC ACID) 5.0 - 9.0PH:1750 2150 PPM	1.2% BORIC ACID	FSAR TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE TEST		GENERIC FILE: EQ-EE-13
ACCURACY SPECIFIED: N/A	RADIATION	33 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS ZONE -CC	REF.# 3 APPENDIX A THRU C	TYPE TEST + ENGR. ANAL.	YES	
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH	REF.#2 P.384 PARA.6.08	SEQ. TYPE TEST		
LOCATION: CONT BUILDING ELEVATION: 25.0 FT.	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A		
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES								
COORDINATES: AZ 107DEG 33'	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	ANALYSIS EE1	O!						REVISION NO. -01
	ANALYSIS EE3	T!						PREPARER: AD 07/30/82 DATE
		P!						CHECKER :RV 07/30/82 DATE
		H!		REFERENCES:	(1) CONAX REPORT, IPS-379;			
		C!			(2) CONAX REPORT, IPS-325			
	ANALYSIS EE2	R!			(3) CONAX REPORT, IPS-152.1			SYSTEM:
		A!						
		S!						QDEF SHEET NO. -0646

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	OPERATING TIME	120 DAYS	30 DAYS	FSAR TABLE	REF.#1	SEQ. TYPE	YES	QUALIFIED LIFE IS: 40YR+120DAY
COMPONENT: NON CLASS 1E PENETRATIONS				3.11-2	4.5.1	TEST		
PLANT NUMBER: 102-106, 108-112, 114, 115, 125-126	TEMPERATURE	414 DEGF	340 DEGF	LOCA/MSLB PROFILE TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: CONAX	PRESSURE	44 PSIG	103 PSIG	LOCA/MSLB PROFILE TABLE 1	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE		
MODEL AND SERIAL NUMBER: 7320-1000; 7320-1001; 1002; 1003.	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE		
SERVICE DESCRIPTION: CONTAINMENT ELECT PENETRAT						TEST		
FUNCTION: POWER INSTR & CNTRL TO CONT	CHEMICAL SPRAY	BORON(BOR. ACID)5.0 - 19.0PH: 1750	1.2% BORIC ACID	FSAR TABLE	REF.#1 P.23,PARA. 4.5.1	SEQ. TYPE		GENERIC FILE: EQ-EE-13
ACCURACY SPECIFIED: N/A	RADIATION	33 MRAD (GAMMA)	180-200 MRAD (GAMMA)	RADIATION MAPS ZONE -CC G - 144	REF.# 3 APPENDIX A THRU C	TYPE TEST + ENGR. ANAL.	YES	
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR PARAGRAPH	REF.#2 P.384	SEQ. TYPE		
LOCATION: CONT BUILDING ELEVATION: VAR FT.		120 DAYS	120 DAYS		PARA.6.08 7.0	TEST		
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: YES								
COORDINATES: VARIOUS	!INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	! ANALYSIS IN WORKFILE (IF REQUIRED) !							! REVISION NO. -01 !
EQUIPMENT EXEMPT FROM QUALIFICATION:	! ANALYSIS EE1 !							! PREPARER: AD 07/30/82 !
QUALIF STATUS: QUALIFIED	! ANALYSIS EE3 !							! DATE !
	! ANALYSIS EE2 !							! CHECKER :RV 07/30/82 !
	! ANALYSIS EE2 !							! DATE !
	! ANALYSIS EE2 !							! SYSTEM: !
	! ANALYSIS EE2 !							! QDEF SHEET NO.-0647 !
	! ANALYSIS EE2 !							

REFERENCES: (1) CONAX REPORT, IPS-379;
(2) CONAX REPORT, IPS-325
(3) CONAX REPORT, IPS-152.1

SYSTEM:

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	OPERATING TIME	120 DAYS	140 DEG C FOR 29 DAYS	FSAR TABLE 3.11.2	PAGE (2) OF REPORT	TYPE TEST + ENG. ANAL.	YES	QUALIFIED LIFE IS: 40YR+120DAY	
COMPONENT: CLASS IE TERMINAL BLOCKS									
PLANT NUMBER:	TEMPERATURE	104 DEG. F	122 DEG F	HVAC TEMP. MAP DWG. G-135	PAGE (1) OF REPORT	SEQ. TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: GENERAL ELECTRIC	PRESSURE	0 PSIG	+3 PSIG	FSAR TABLE 3.11-1	PAGE (1) OF REPORT	SEQ. TYPE TEST			
MODEL AND SERIAL NUMBER: CR151B SERIES	RELATIVE HUMIDITY	20-90%	20% - 95%	FSAR TABLE 3.11-1	PAGE (1) OF REPORT	SEQ. TYPE TEST			
SERVICE DESCRIPTION: CABLE TERMINATION									
FUNCTION: AM/PAM	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A			
ACCURACY SPECIFIED: N/A	RADIATION	10,000 RAD ((GAMMA))	1 MRAD ((GAMMA))	RADIATION MAPS ZONE A G-135	CERTIFICATION DATED 5/10/78	TYPE TEST		SEE GENERIC FILE: EQ-EE-20	
ACCURACY DEMONS.: N/A	AGING	N/A	N/A	N/A	N/A	N/A			
LOCATION: RAB BUILDING ELEVATION: VAR. FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: YES									
COORDINATES: VARIOUS	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS EE1 O! T! P! H! C! R! A! S!								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	REFERENCES: (1) QUALIFICATION FOR CR151B TERMINAL BOARD, DATED 11/19/82								REVISION NO. -01 PREPARER: AD 07/30/82 DATE CHECKER: RV 07/30/82 DATE SYSTEM:
	QDEF SHEET NO.-0648								

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	OPERATING TIME	120 DAYS	131 DEG C FOR 14 DAYS	FSAR TABLE 3.11.2	PAGE (2) OF REPORT	TYPE TEST + ENG. ANAL.	YES	QUALIFIED LIFE IS: 40YR+120DAY
COMPONENT: IE CONTROL STATIONS								
PLANT NUMBER: C8-1	TEMPERATURE	104 DEG.F	SEE NOTE	HVAC TEMP. MAP DWG. G-137	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: 5YRS FOR LUBRICANT IF TEMP EXCEEDS 100 DEG C
MANUFACTURER: GENERAL ELECTRIC	PRESSURE	ATMOSPHERIC	SEE NOTE	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)TEMPERATURE, PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION.THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL MODE OF SHUTDOWN. SEE GENERIC FILE: EQ-EE-14
MODEL AND SERIAL NUMBER: CR2940-US203E	RELATIVE HUMIDITY	50%	SEE NOTE	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SELECTOR SWITCH	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A		
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	8.9 MRADS	1 MRAD (GAMMA)	RADIATION MAPS ZONE: S G-137	CERTIFICATION DATED 1/22/79	TYPE TEST + ENGR. ANAL.	YES	
ACCURACY DEMONS.: N/A	AGING	NOT REQUIRED	N/R	N/R	N/R	SEQ. TYPE TEST		
LOCATION: RAB BUILDING								
ELEVATION: -35.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: VARIOUS	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRONMENT IS HARSH	ANALYSIS EE1						REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION:	T						PREPARER:AD 07/30/82	
QUALIF STATUS: QUALIFIED	P						DATE	
	H						CHECKER :RV 07/30/82	
	C						DATE	
	R						SYSTEM:	
	A							
	S						QDEF SHEET NO.-0649	
	REFERENCES: (1)QUALIFICATION FOR INDICATING LIGHT; PUSH BUTTON& SELECTOR SWITCH, DATED 2/12/82							

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY		
								ANALYZED		
SYSTEM:	SFGD PUMP ROOMS AIR COND	OPERATING TIME	120 DAYS	131 DEG C FOR 14 DAYS	FSAR TABLE	PAGE 2 OF REPORT	TYPE TEST + ENG. ANAL.	YES	QUALIFIED LIFE IS: 40YR+120DAY	
COMPONENT:	IE CONTROL STATIONS									
PLANT NUMBER:	C8-1	TEMPERATURE	104 DEG.F	SEE NOTE	HVAC TEMP. MAP DWG. G-137	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: 5 YRS FOR LUBRICANT IF TEMP EXCEEDS 100 DEG C	
MANUFACTURER:	GENERAL ELECTRIC	PRESSURE	ATMOSPHERIC	SEE NOTE	FSAR TABLE 3.11-1	SEE NOTE (1)			(1)TEMPERATURE, PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION.THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL MODE OF SHUTDOWN.	
MODEL AND SERIAL NUMBER:	CR2940-US203E	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			SEE GENERIC FILE: EQ-EE-14	
SERVICE DESCRIPTION:	SELECTOR SWITCH	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A			
FUNCTION:	AM									
ACCURACY SPECIFIED:	N/A	RADIATION	4.2 MRADS	1 MRAD (GAMMA)	RADIATION MAPS ZONE:U G-137	CERTIFIC- ATION DATED 1/22/79	TYPE TEST + ENGR. ANAL.	YES		
ACCURACY DEMONS.:	N/A	AGING	N/R	N/R	N/R	N/R	SEQ. TYPE TEST			
LOCATION:	RAB BUILDING									
ELEVATION:	-35.0 FT.									
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	L&8A;J86A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS EE1 ANALYSIS EE4								OTHER EQUIPMENT THIS QDEF APPLIES TO: REFERENCES: (1)QUALIFICATION FOR INDICATING LIGHT; PUSH BUTTON8 SELECTOR SWITCH.DATED 2/12/82
ENVIRON'T IS HARSH									REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION:									PREPARER:AD 07/30/82 DATE	
QUALIF STATUS: QUALIFIED									CHECKER :RV 07/30/82 DATE	
									SYSTEM:SFGD PUMP ROOMS AIR COND	
									QDEF SHEET NO.-0650	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	OPERATING TIME	120 DAYS	131 DEG C FOR 14 DAYS	FSAR TABLE 3.11.2	PAGE (?) OF REPORT	TYPE TEST + ENG. ANAL.	YES	QUALIFIED LIFE IS 40YR+120DAY	
COMPONENT: IE CONTROL STATIONS									
PLANT NUMBER: CB-1	TEMPERATURE	104 DEG.F	SEE NOTE	HVAC TEMP. MAP DWG. G-137	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHED: 5 YRS FOR LUBRICANT IF TEMP. EXCEEDS 100 DEG C	
MANUFACTURER: GENERAL ELECTRIC	PRESSURE	ATMOSPHERIC	SEE NOTE	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) TEMPERATURE, PRESSURE & HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL MODE OF SHUTDOWN. SEE GENERIC FILE: EQ-EE-14	
MODEL AND SERIAL NUMBER: CR2940-US203E	RELATIVE HUMIDITY	50%	SEE NOTE	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: SELECTOR SWITCH	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A			
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	1 MRAD (GAMMA)	RADIATION MAPS ZONE:M G-134	CERTIFICATION DATED 1/22/79	TYPE TEST + ENGR. ANAL.	YES		
ACCURACY DEMONS.: N/A									
LOCATION: RAB BUILDING ELEVATION: +46.0 FT.	AGING	N/R	N/R	N/R	N/R	SEQ. TYPE TEST			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A			
COORDINATES: VARIOUS ENVIRON'T IS HARSH	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS EE1								OTHER EQUIPMENT THIS QDEF APPLIES TO: REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	ANALYSIS EE4								PREPARER: AD 07/30/82 DATE CHECKER: RV 07/30/82 DATE
	REFERENCES: (1) QUALIFICATION FOR INDICATING LIGHT; PUSH BUTTONS SELECTOR SWITCH, DATED 2/12/82								SYSTEM: QDEF SHEET NO.-0651

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SHUTDOWN HT EXCHGR RM A/C	OPERATING TIME	120 DAYS	131 DEG C FOR 14 DAYS	FSAR TABLE 3.11.2	PAGE (2) OF REPORT	TYPE TEST +	YES	QUALIFIED LIFE IS: 40YR+120DAY
COMPONENT: IE CONTROL STATIONS						ENG. ANAL.		
PLANT NUMBER: CB-1	TEMPERATURE	104 DEG.F	SEE NOTE	HVAC TEMP. MAP DWG. G-137	SEE NOTE. (1)			MAINTENANCE / REPLACEMENT SCHD: 5 YEARS FOR LUBRICANT IF TEMP. EXCEEDS 100 DEG C
MANUFACTURER: GENERAL ELECTRIC	PRESSURE	ATMOSPHERIC	SEE NOTE	FSAR TABLE 3.11-1	SEE NOTE (1)			(1)TEMPERATURE, PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION.THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL MODE OF SHUTDWN. SEE GENERIC FILE: EQ-EE-14
MODEL AND SERIAL NUMBER: CR2940-US203E	RELATIVE HUMIDITY	50%	SEE NOTE	FSAR TABLE 3.11-1	SEE NOTE (1)			
SERVICE DESCRIPTION: SELECTOR SWITCH	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A		
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	6.7 MRADS	MRAD ((GAMMA))	RADIATION MAPS ZONE: T G-137	CERTIFIC- ATION DATED 1/22/79	TYPE TEST + ENGR. ANAL.	YES	
ACCURACY DEMONS.: N/A	AGING	N/R	N/R	N/R	N/R	SEQ. TYPE TEST		
LOCATION: RAB BUILDING ELEVATION: -35.0 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMER- GENCE	N/A	N/A	N/A	N/A	N/A		
COORDINATES: J811A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH	ANALYSIS EE1		O!					REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	ANALYSIS EE4		T! P! H! C! R! A! S!		REFERENCES: (1)QUALIFICATION FOR INDICATING LIGHT; PUSH BUTTON& SELECTOR SWITCH, DATED 2/12/82			PREPARER: AD 07/30/82 DATE CHECKER : RV 07/30/82 DATE
								SYSTEM: SHUTDOWN HT EXCHGR RM A/C QDEF SHEET NO. -0652

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: AUX FW PUMP, ROOMS AIR COND	OPERATING TIME	120 DAYS	131 DEG C FOR 14 DAYS	FSAR TABLE 3.11.2	PAGE (2) OF REPORT	TYPE TEST + ENG. ANAL.	YES	QUALIFIED LIFE IS: 40YR+120DAY	
COMPONENT: IE CONTROL STATIONS									
PLANT NUMBER: C8-1	TEMPERATURE	104 DEG.F	SEE NOTE	HVAC TEMP. MAP DWG. G-137	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: 5 YRS FOR LUBRICANT IF TEMP.EXCEEDS 100 DEG C	
MANUFACTURER: GENERAL ELECTRIC	PRESSURE	ATMOSPHERIC	SEE NOTE	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)TEMPERATURE, PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION.THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL MODE OF SHUTDOWN. SEE GENERIC FILE: EQ-EE-14	
MODEL AND SERIAL NUMBER: CR2940-US203E	RELATIVE HUMIDITY	20-90%	SEE NOTE	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: SWITCH	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A			
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	100,000 RADS	1 MRAD (GAMMA)	RADIATION MAPS ZONE:C G-137	CERTIFIC- ATION DATED 1/22/79	TYPE TEST			
ACCURACY DEMONS.: N/A	AGING	N/R	N/R	N/R	N/R	SEQ. TYPE TEST			
LOCATION: RAB BUILDING ELEVATION: -35.0 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J&5A;K&5A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	ANALYSIS EE1								PREPARER:AD 07/30/82 DATE CHECKER :RV 07/30/82 DATE
	REFERENCES: (1)QUALIFICAT.ON FOR INDICATING LIGHT; PUSH BUTTON& SELECTOR SW,TCH,DATED 2/12/82								SYSTEM:AUX FW PUMP, ROOMS AIR COND QDEF SHEET NO.-0653

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	131 DEG C FOR 14 DAYS	FSAR TABLE 3.11.2	PAGE (2) OF REPORT	TYPE TEST + ENG. ANAL.	YES	QUALIFIED LIFE IS: 40YR+12ODAY	
COMPONENT: IE CONTROL STATIONS									
PLANT NUMBER: C8-20	TEMPERATURE	140 DEG.F	131 DEG C	HVAC TEMP. MAP DWG. G-145	PAGE (2) OF REPORT	SEQ. TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 5 YRS FOR LUBRICANT IF TEMP.EXCEEDS 100 DEG C	
MANUFACTURER: GENERAL ELECTRIC	PRESSURE	ATMOSPHERIC	SEE NOTE	FSAR TABLE 3.11-1	SEE NOTE (1)			(1) PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION.THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL MODE OF SHUTDOWN. SEE GENERIC FILE: EQ-EE-14	
MODEL AND SERIAL NUMBER: CR2940 SERIES	RELATIVE HUMIDITY	20-90%	SEE NOTE	FSAR TABLE 3.11-1	SEE NOTE (1)				
SERVICE DESCRIPTION: SELCTR SWITCH INDCTNG. LIGHTS	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A			
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	52,000 IRADS	MRAD (GAMMA)	RADIATION MAPS ZONE:GG G-145	CERTIFICATION DATED 1/22/79	TYPE TEST			
ACCURACY DEMONS.: N/A	AGING	N/R	N/R	N/R	N/R	SEQ. TYPE TEST			
LOCATION: RAB BUILDING ELEVATION: -35.0 FT.									
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A			
COORDINATES: VARIOUS	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:								
ENVIRONMENT IS FRESH	MODEL#: CR2940-US203A (SWITCH); CR2940-UC212B2 & UC212C2 (RED & GREEN INDICATING LIGHTS) IN NEMA 4X ENCLOSURE.								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	REFERENCES: (1)QUALIFICATION FOR INDICATING LIGHT; PUSH BUTTON& SELECTOR SWITCH,DATED 2/12/82								PREPARER:AD 07/30/82 DATE CHECKER :RV 07/30/82 DATE
	SYSTEM:SAFETY INJECTION								QDEF SHEET NO.-0654

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: CONTAINMENT SPRAY	OPERATING TIME	120 DAYS	131 DEG C FOR 14 DAYS	FSAR TABLE 3.11.2	PAGE (2) OF REPORT	TYPE TEST + ENG. ANAL.	YES	QUALIFIED LIFE IS: 40YR+120DAY	
COMPONENT: IE PUSH BUTTON STATIONS									
PLANT NUMBER: C10-6	TEMPERATURE	140 DEG. F	131 DEG C	HVAC TEMP. MAP DWG. G-145	PAGE (2) OF REPORT	SEQ. TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: GENERAL ELECTRIC	PRESSURE	ATMOSPHERIC	SEE NOTE	FSAR TABLE 3.11-1	SEE NOTE (1)			(1) PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION.THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL MODE OF SHUTDOWN. SEE GENERIC FILE: EQ-EE-14	
MODEL AND SERIAL NUMBER: CR2940 SERIES	RELATIVE HUMIDITY	20-90%	SEE NOTE	FSAR TABLE 3.11-1	SEE NOTE (1)				
SERVICE DESCRIPTION: PUSHBUTTON									
FUNCTION: AM	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A			
ACCURACY SPECIFIED: N/A	RADIATION	52,000 RADS	1 MRAD (GAMMA)	RADIATION MAPS ZONE:GG G-145	CERTIFICATION DATED 1/22/79	TYPE TEST			
ACCURACY DEMONS.: N/A	AGING	N/R	N/R	N/R	N/R	SEQ. TYPE TEST			
LOCATION: RAB BUILDING ELEVATION: -35.0 FT.									
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A			
COORDINATES: M-9A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO: MODEL#:CR2940-UA202B (PUSHBUTTON);CR2940-UC212B2 & UC212C2 (RED & GREEN INDICATING LIGHTS) IN NEMA 4X ENCLOSURE.								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	ANALYSIS EE1	O!	T!	P!	H!	C!	R!	A!	S!
				REFERENCES: (1)QUALIFICATION FOR INDICATING LIGHT; PUSH BUTTON& SELECTOR SWITCH,DATED 2/12/82					PREPARER:AD 07/30/82 DATE CHECKER :RV 07/30/82 DATE SYSTEM:CONTAINMENT SPRAY QDEF SHEET NO.-0655

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONTAINMENT SPRAY	OPERATING TIME	120 DAYS	131 DEG FOR 14 DAYS	FSAR TABLE 3.11.2	PAGE 2 OF REPORT	TYPE TEST + ENG. ANAL.	YES	QUALIFIED LIFE IS: 40YR+120DAY	
COMPONENT: IE PUSH BUTTON STATIONS									
PLANT NUMBER: C10-7	TEMPERATURE	140 DEG.F	131 DEG C	HVAC TEMP. MAP DWG. G-145	PAGE (2) OF REPORT	SEQ. TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: GENERAL ELECTRIC	PRESSURE	ATMOSPHERIC	SEE NOTE	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE & HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL MODE OF SHUTDOWN. SEE GENERIC FILE: EQ-EE-14	
MODEL AND SERIAL NUMBER: CR2940 SERIES	RELATIVE HUMIDITY	20-90%	SEE NOTE	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: PUSHBUTTON									
FUNCTION: AM	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A			
ACCURACY SPECIFIED: N/A	RADIATION	152,000 RADS	1 MRAD (GAMMA)	RADIATION MAPS ZONE:GG G-145	CERTIFICATION DATED 1/22/79	TYPE TEST +			
ACCURACY DEMONS.: N/A	AGING	N/R	N/R	N/R	N/R	SEQ. TYPE TEST			
LOCATION: RAB BUILDING ELEVATION: -35.0 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: YES									
COORDINATES: M9-A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:								
ENVIRONMENT IS HARSH	MODEL#: CR2940-UA202B (PUSHBUTTON); CR2940-UC212B2 & UC212C2 (RED & GREEN INDICATING LIGHTS) IN NEMA 4X ENCLOSURE.								REVISION NO. 01
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS EE1								PREPARER: AD 07/30/82 DATE
QUALIF STATUS: QUALIFIED	REFERENCES: (1) QUALIFICATION FOR INDICATING LIGHT; PUSH BUTTON & SELECTOR SWITCH, DATED 2/12/82								CHECKER: RV 07/30/82 DATE
	SYSTEM: CONTAINMENT SPRAY								
	QDEF SHEET NO. -0656								

EBASCO SERVICES INCORPORATED

PROGRAM WF3QDEFPRNT VERSION VO (EQCES)WF3QDEF.

USER MANUAL REVISION NUMBER = R0 DATE = 09-30-81

RUN DATE = 07/29/82

RUN TIME = 12: 8: 0

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: BORON MANAGEMENT	OPERATING TIME	120 DAYS	TEST DURATION: 30 DAYS	FSAR TABLE 3.11-2	REF (1) P 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID VALVE			IN LOCA EN!		SEC.3.2.7	ENG EVAL			
PLANT NUMBER: 2BM-F108 A/B	TEMPERATURE	414F PEAK	450F PEAK	COMPOSITE LOCA-MSLB PROFILE	REF. (2) APP. A FIG. 4.2	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4YEARS REPLACEMENT REF(1) APP. I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	44 PSIG PEAK	86 PSIG PEAK	COMPOSITE LOCA-MSLB PROFILE	REF. (2) APP. A FIG. 4.2	TYPE TEST		(1) THE SOLENOID VALVE WILL BE RELOCATED ABOVE FLOOD LEVEL	
MODEL AND SERIAL NUMBER: NP831655E	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	REF. (1) P 4-4	TYPE TEST		BEFORE FUEL LOADING	
SERVICE DESCRIPTION: RDT STOP & ISOLATION VALVE				3.11-1	SEC 4.7				
FUNCTION: AM	CHEMICAL SPRAY	PH-5.0 TO 9.0 BORON 1750 TO 2150 PPM	PH9.5-10.5 BORON 3000 PPM	FSAR TABLE 3.11-1	REF. (1) P 4-4 SEC 4.7	TYPE TEST			
ACCURACY SPECIFIED: N/A	RADIATION	33 MRADS	200 MRADS	FAD MAPS ZONE -CC	REF. (1) P 4-4 SEC. 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 1 YEAR	268F FOR 12 DAYS EQ TO 4.4 YRS	FSAR SEC 3.11.1	REF (1) APP A P 9-384	TYPE TEST			
LOCATION: CONT. BUILDING									
ELEVATION: -10 FT.			ACCIDENT AT 140F						
FLOOD LEVEL EL: 0.5 FEET	SUBMERGENCE	YES	NONE	FSAR QUESTION 211.8	NONE	SEE NOTE (1)			
ABOVE FLOOD LEVEL: NO									
COORDINATES: S-W	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-1								REVISION NO.-01
EQUIPM: IF EXEMPT FROM QUALIFICATION: NO	OTHER EQUIPMENT THIS QDEF APPLIES TO:								PREP/ ER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED IF RELOCATED. (SEE NOTE 1).	REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV A, JULY 1979 (2)ASC TEST REPORT# AQR-67368/REV.0 MARCH 1982								CHECKER : SKS 07/30/82 DATE SYSTEM: BORON MANAGEMENT QDEF SHEET NO.-0800

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS-TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	BORON MANAGEMENT	! OPERATING TIME	!! 120 DAYS	! TEST DURATION:	! FSAR TABLE	! REF. (1) P 10-14	! TYPE TEST + ENG EVAL	! YES	! QUALIFIED LIFE IS: 5 YEARS	
COMPONENT:	LIMIT SWITCH	!	!!	! 30 DAYS	! 3.11-2	! FIG. 3	!	!	!	
PLANT NUMBER:	2BM-F108 A/B	! TEMPERATURE	!! 269F PEAK	! 346 F PEAK	! LOCA PROFILE	! REF. (1) P. 10-5814	! TYPE TEST	!	! MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3	
MANUFACTURER:	NAMCO	! PRESSURE	!! 44 PSIG PEAK	! 70 PSIG PEAK	! LOCA PROFILE	! REF (1) P. 10-5814	! TYPE TEST	!	!	
MODEL AND SERIAL NUMBER:	EA 180-15302	!	!!	!	!	! FIG. 3	!	!	!	
SERVICE DESCRIPTION:	RDT STOP & ISOLATION VALVE	! RELATIVE HUMIDITY	!! 100%	! 100%	! FSAR TABLE	! REF. (1) P 10-9	! TYPE TEST	!	!	
FUNCTION:	AM	! CHEMICAL SPRAY	!! PH-5.0 TO 9.0 BORON !! 1750 TO 2150 PPM	! PH 10-11 !! SPRAY COMP OF H3BO3 !! SOD. HYDROX	! FSAR TABLE	! REF. (1) P. 10-7	! TYPE TEST	!	!	
ACCURACY SPECIFIED:	N/A	! RADIATION	!! 33 MRADS	! 204 MRADS	! RAD MAPS	! REF (1) P. 10-7	! TYPE TEST	!	! EBASCO FILE NO: EQ-ME-1	
ACCURACY DEMONS.:	N/A	!	!!	!	! ZONE -CC	!	!	!	!	
LOCATION:	CONT BUILDING	! AGING	!! 40 YEARS PLUS 1 YEAR	! 400 HRS AT 248F EQUIV TO 6 YRS	! FSAR SEC. 3.11.1	! REF. (1) P 10-6	! TYPE TEST	!	!	
ELEVATION:	-10 FT.	!	!! ACCIDENT	! AT 120F	!	! (FIG. 8) P 4-12	!	!	!	
FLOOD LEVEL EL:	0.5 FEET	! SUBMERGENCE	!! YES	! SUBMERGED	! FSAR QUESTION	! REF. (1) P 10-9	! TYPE TEST	!	!	
ABOVE FLOOD LEVEL:	NO	!	!!	!	! 211.8	! PARA 4	!	!	!	
COORDINATES:	S-W	! INDEX FOR INCONSISTENCY!							!	!
ENVIRONMENT IS HARSH		! ANALYSIS IN WORKFILE (IF REQUIRED)							!	! OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		! ANALYSIS M-2							!	! REVISION NO. -01
QUALIF STATUS: QUALIFIED		!							!	! PREPARER: BM 07/30/82
		!							!	! DATE
		!							!	! CHECKER : SKS 07/30/82
		!							!	! DATE
		!							!	! SYSTEM: BORON MANAGEMENT
		!							!	! QDEF SHEET NO.-0801
		! REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES. REPORT NO. QTR 105 REV 1.							!	!

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: BORON MANAGEMENT	OPERATING TIME	!! 120 DAYS	! TEST DURATION: !	FSAR TABLE!	REF(1)	! TYPE	! YES	! QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH		!!	!30 DAYS ! IN LOCA EN!	3.11-2	! FIG. 3	! ENG EVAL	!	
PLANT NUMBER: 2BM-F108 A/B	TEMPERATURE	!!269F !PEAK	!346 F !PEAK	! LOCA PROFILE	! REF(1) ! P. 10-58&14 ! FIG. 3	! TYPE TEST	!	! MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3
MANUFACTURER: NAMCO	PRESSURE	!!144 PSIG !PEAK	!70 PSIG ! PEAK	! LOCA PROFILE	! REF(1) ! P. 10-58&14 ! FIG. 3	! TYPE TEST	!	
MODEL AND SERIAL NUMBER: EA 180-14302	RELATIVE HUMIDITY	!! 100%	! 100%	! FSAR TABLE!	REF(1)	! TYPE TEST	!	
SERVICE DESCRIPTION: RDT STOP & ISOLATION VALVE		!!	!	3.11-1	! PARA 2	!	!	
FUNCTION: AM	CHEMICAL SPRAY	!!PH-5.0 TO !9.0 BORON !1750 TO !2150 PPM	!PH 10-11 !SPRAY COMP !OF H3BO3 !SOD.HYDROX!	! FSAR TABLE!	REF(1)	! TYPE TEST	!	
ACCURACY SPECIFIED: N/A	RADIATION	!!33 MRADS	!204 MRADS	! RAD	! REF(1) ! P. 10-7	! TYPE TEST	!	! EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A		!!	!	! ZONE -CC ! DWG G-144	!	!	!	
LOCATION: CONT BUILDING ELEVATION: -10 FT.	AGING	!! 40 YEARS ! PLUS ! 1 YEAR ! ACCIDENT	!400 HRS AT !248F EQUIV !TO 6 YRS !AT 120F	! FSAR	! REF (1) ! P 10-6 ! (FIG.8) ! P 4-12	! TYPE TEST	!	
FLOOD LEVEL EL: 0.5 FEET ABOVE FLOOD LEVEL: NO	SUBMERGENCE	!! YES	!SUBMERGED	! FSAR	! REF (1) ! P 10-9 ! 211.8 ! PARA.2	! TYPE TEST	!	
COORDINATES: S-W	! INDEX FOR INCONSISTENCY!						!	!
ENVIRON'T IS HARSH	! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: ! (IF REQUIRED) !						!	! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	! ANALYSIS M-2						!	! PREPARER:BM 07/30/82
QUALIF STATUS: QUALIFIED	! H ! C ! R ! A ! S !						!	! DATE ! CHECKER :SKS 07/30/82 ! DATE
	! REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES. REPORT NO. QTR 105 REV 1.						!	! SYSTEM: BORON MANAGEMENT ! QDEF SHEET NO.-0802

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	!! 120 DAYS	! 30 DAYS ! IN LOCA	! FSAR ! TABLE	! REF (1) ! P 10-14	! TYPE ! TEST +	! YES	! QUALIFIED ! LIFE IS:
COMPONENT: LIMIT SWITCH		!!	! ENV	! 3.11-2	! FIG.3	! ENG ! EVAL	!	! 20 YEARS !
PLANT NUMBER: 2CH-F1512A/B	TEMPERATURE	!! 148 F	! 346 F ! PEAK	! HVAC ! TEMP MAP ! DWG: G-145	! REF (1) ! P 10-5&14 ! FIG.3	! - !	!	! MAINTENANCE / REPLACEMENT SCHD: ! MAINTENANCE ! PROCEDURE ! EA189-90051 ! REF(1) P.4-3
MANUFACTURER: NAMCO	PRESSURE	!! 0 PSIG	! SEE NOTE ! (1)	! FSAR ! TABLE ! 3.11-1	! SEE NOTE ! (1)	! - !	!	! (1) PRESSURE AND ! RELATIVE HUMIDITY ! ARE NOT CONSIDERED ! TO BE SIGNIFICANT ! PARAMETERS FOR ! EVALUATION.
MODEL AND SERIAL NUMBER: EA180-21302	RELATIVE HUMIDITY	!! 20-90%	! SEE NOTE ! (1)	! FSAR ! TABLE ! 3.11-1	! SEE NOTE ! (1)	! - !	!	!
SERVICE DESCRIPTION: CONT. ISO. VALVE		!!	!	!	!	!	!	!
FUNCTION: A.M. SPRAY	CHEMICAL	!! N/R	! -	! -	! -	! -	!	!
ACCURACY SPECIFIED: N/A	RADIATION	!! 64,000 ! RADS	! 204 M RADS !	! RAD ! MAP ! ZONE: FF ! DWG: G-145	! REF (1) ! P 10-7	! TYPE ! TEST	!	! EBASCO FILE NO: ! EQ-ME-1
ACCURACY DEMONS.: N/A	AGING	!! 40 YEARS ! PLUS ! 1 YEAR ! ACCIDENT	! 400 HRS AT ! 248F EQUIV ! TO 20 YRS ! AT 140F	! FSAR ! SEC. ! 3.11.1	! REF (1) ! P 10-6 ! (FIG.8) ! P 4-12	! TYPE ! TEST	!	!
LOCATION: AUX BUILDING ELEVATION: -4 FT.	SUBMERGENCE	!! N/R	! -	! -	! -	! -	!	!
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A		!!	!	!	!	!	!	!
COORDINATES: M-5A	! INDEX FOR INCONSISTENCY ! ANALYSIS IN WORKFILE ! (IF REQUIRED) ! ANALYSIS M-2							!
ENVIRONMENT IS HARSH	! OTHER EQUIPMENT THIS QDEF APPLIES TO: !							!
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	! REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES ! REPORT NO: QTR 105 REV.1							!
QUALIFICATION STATUS: QUALIFIED	! SYSTEM: CHEMICAL AND VOLUME CONTROL ! QDEF SHEET NO.-0803							!

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY		
							ANALYZED			
SYSTEM:	CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 3-2 SEC.3.2.7	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT:	SOLENOID									
PLANT NUMBER:	2CH-F1512 A/B	TEMPERATURE	148 F	346 F PEAK	HVAC TEMP MAP DWG: G-145	REF (1) P 4-4 SEC.4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13	
MANUFACTURER:	ASCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETER FOR EVALUATION.	
MODEL AND SERIAL NUMBER:	HV 20F3323F	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION:	CONT.ISO. VALVE									
FUNCTION:	A.M.	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED:	N/A	RADIATION	64,000 RADS	200 M RADS	RAD MAP ZONE: FF DWG: G-145	REF (1) P 4-4 SEC 4-6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.:	N/A	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC. 3.11.1	REF (1) APP.A P 9-3&4	TYPE TEST			
LOCATION:	AUX BUILDING									
ELEVATION:	-4 FT.									
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	M-5A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-1								OTHER EQUIPMENT THIS QDEF APPLIES TO:
ENVIRON'T IS HARSH									REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARER:BM 07/30/82 DATE	
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE	
									REFERENCES: (1) ASCO TEST REPORT # AQS21678/TR REV. A JULY 1979	
									SYSTEM:CHEMICAL AND VOLUME CONTROL	
									QDEF SHEET NO.-0804	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	!!120 DAYS	!30 DAYS IN! !LOCA	FSAR TABLE! 3.11-2	REF (1) P 10-14	! TYPE ! TEST + ! ENG. ! EVAL.	! YES	! QUALIFIED ! LIFE IS: ! 5 YEARS
COMPONENT: LIMIT SWITCH		!!	!ENV	!	! FIGURE 3	!	!	
PLANT NUMBER: 2CH-F1513 A/B	TEMPERATURE	!!269 F !!PEAK	!346 F !PEAK	! LOCA ! PROFILE	! REF (1) ! P 10-5814 ! FIGURE 3	! TYPE ! TEST	!	! MAINTENANCE / ! REPLACEMENT SCHD: ! MAINTENANCE ! PROCEDURE ! EA189-90051 ! REF(1)P.4-3
MANUFACTURER: NAMCO	PRESSURE	!!44 PSIG !!PEAK	!70 PSIG !PEAK	! LOCA ! PROFILE	! REF (1) ! P 10-5814 ! FIGURE 3	! TYPE ! TEST	!	
MODEL AND SERIAL NUMBER: EA 180-21302	RELATIVE HUMIDITY	!!100%	!100%	! FSAR TABLE! 3.11-1	REF (1) P 9	! TYPE ! TEST	!	
SERVICE DESCRIPTION: CONT. ISO VALVE		!!	!	!	! PARA 2	!	!	
FUNCTION: AM	CHEMICAL SPRAY	!!PH 5.0 TO !!9.0 BORON !!1750 TO !!2150 PPM	!PH 10-11 !SPRAY COMP! !DF H3BO3 !+ NAOH	! FSAR TABLE! 3.11-1	REF (1) P 9 PARA 2	! TYPE ! TEST	!	
ACCURACY SPECIFIED: N/A	RADIATION	!!33 M RADS	!204 M RADS!	! RAD MAPS ! ZONE:CC ! DWG NO.	! REF (1) ! P 10-7	! TYPE ! TEST	!	!EBASCO FILE NO: !EQ-ME-1
ACCURACY DEMONS.: N/A	AGING	!!40 YEARS !!+ 1 YR	!400 HRS AT! !248F EQUIV! !TO 6 YRS	! FSAR ! SEC 3.11.1	! REF (1) ! P 10-6	! TYPE ! TEST	!	
LOCATION: CONT BUILDING ELEVATION: +10.0 FT.	ACCIDENT	!!	!AT 120F	!	! (FIGURE 8) ! P 4-12	!	!	
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	!!N/R	!-	!	!	!	!	
ABOVE FLOOD LEVEL: YES		!!	!	!	!	!	!	
COORDINATES: S-W	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
ENVIRONMENT IS HARSH	! (IF REQUIRED) !							!
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	! ANALYSIS M-2 O! ! T! ! P! ! H! ! C! ! R! ! A! ! S!							!
QUALIF STATUS: QUALIFIED	! REFERENCES: (1)NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO.QTR 105 REV.1							!
								! REVISION NO.-01
								! PREPARER:BM 07/30/82 ! DATE
								! CHECKER :SKS 07/30/82 ! DATE
								! SYSTEM:CHEMICAL AND ! VOLUME CONTROL
								! QDEF SHEET NO.-0805

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 3-2 SEC.3.2.7	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE: 4 YEARS	
COMPONENT: SOLENOID									
PLANT NUMBER: 2CH-F1513 A/B	TEMPERATURE	414 F PEAK	448 F PEAK	COMPOSITE LOCA-MSLB PROFILE	REF (2) APP.A FIG.4.1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	44 PSIG PEAK	68 PSIG PEAK	COMPOSITE LOCA-MSLB PROFILE	REF (2) APP.A FIG.4.1	TYPE TEST			
MODEL AND SERIAL NUMBER: HV 2068323F	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF (1) P 4-4 SEC 4.7	TYPE TEST			
SERVICE DESCRIPTION: CONT. ISO. VALVE									
FUNCTION: A.M.	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON 1750 TO 2150 PPM	PH 9.5 TO 10.5 BORON 3000 PPM	FSAR TABLE 3.11-1	REF (1) P 4-4 SEC 4.7	TYPE TEST			
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	200 M RADS	RAD MAP ZONE: CC DWG: G-145	REF (1) P 4-4 SEC 4-6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC. 3.11.1	REF (1) APP.A P 9-384	TYPE TEST			
LOCATION: CONT BUILDING ELEVATION: +10 FT.	SUBMERGENCE	N/R	-	-	-	-			
FLOOD LEVEL EL: +.5 FEET									
ABOVE FLOOD LEVEL: YES									
COORDINATES: S-W	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-1								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1) ASCO TEST REPORT # AQS21678/TR REV. A JULY 1979								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED	REFERENCES: (2) ASCO TEST REPORT # AQR-67368/REV.O MARCH 1982								CHECKER: SKS 07/30/82 DATE
									SYSTEM: CHEMICAL AND VOLUME CONTROL
									QDEF SHEET NO.-0806

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS	NONE SEE NOTE	FSAR TABLE	NONE SEE NOTE	-		QUALIFIED LIFE IS:	
COMPONENT: LIMIT SWITCH			(2)	3.11-2	(2)				
PLANT NUMBER: 2CH-F1518 A/B	TEMPERATURE	148F	NONE SEE NOTE	HVAC TEMP MAP DWG G-145	NONE SEE NOTE (2)	-		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: NAMCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
MODEL AND SERIAL NUMBER: EA 170-21100	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION: LET DOWN LINE CONT ISO VLV				3.11-1				(2)NO QUALIFICATION DOCUMENTS AVAILABLE. QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL	
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	NONE SEE NOTE (2)	RAD MAPS ZONE -FF DWG G-145	NONE SEE NOTE (2)	-		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A	AGING	40 YEARS + 1 YEAR	NONE SEE NOTE	FSAR SEC.	NONE SEE NOTE	-			
LOCATION: AUX BUILDING ELEVATION: -4 FT.	ACCIDENT		(2)	3.11.1	(2)				
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: M-9A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRONMENT IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:								PREPARER:BM 07/30/82 DATE
QUALIF STATUS: NOT QUALIFIED									CHECKER :SKS 07/30/82 DATE
									SYSTEM:CHEMICAL AND VOLUME CONTROL
									QDEF SHEET NO.-0807

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS	TEST DURATION: 30 DAYS IN LOCA EN!	FSAR TABLE 3.11-2	REF (1) P.3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID					SEC 3.2.7	ENG EVAL		
PLANT NUMBER: 2CH-F1518A/B	TEMPERATURE	148F	346F PEAK	HVAC TEMP MAP DWG G-145	REF (1) P.4-4	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS REPLACEMENT REF(1) APP.1 SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: NP 831664E	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: LET DOWN LINE CONT. ISO VLV								
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	200 MRADS	RAD MAPS ZONE -FF DWG G-145	REF (1) P.4-4	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING ELEVATION: -4 FT.	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	268F FOR 12 DAYS EQ TO 4.4 YRS @ 140F!	FSAR SEC 3.11.1	REF (1) APP.A P 9-384	TYPE TEST		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R	-	-	-	-		
COORDINATES: M-9A	INDEX FOR INCONSISTENCY!							
ENVIRONMENT IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-1							
QUALIF STATUS: QUALIFIED	REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV. A-JULY 1979							
								REVISION NO.-01
								PREPARER: BM 07/30/82
								DATE
								CHECKER: SKS 07/30/82
								DATE
								SYSTEM: CHEMICAL AND VOLUME CONTROL
								QDEF SHEET NO.-0808

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CHEMICAL AND VOLUME CONTROL	! OPERATING TIME	!! 120 DAYS	! NONE ! SEE NOTE ! (2)	! FSAR TABLE ! 3.11-2	! NONE ! SEE NOTE ! (2)	! -	!	! QUALIFIED LIFE IS:	
COMPONENT: LIMIT SWITCH	!	!!	!	!	!	!	!	!	
PLANT NUMBER: 2CH-F1529A/B	! TEMPERATURE	!! 148 F	! NONE ! SEE NOTE ! (2)	! HVAC TEMP MAP ! DWG G-145	! NONE ! SEE NOTE ! (2)	! -	!	! MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: NAMCO	! PRESSURE	!! 0 PSIG	! SEE NOTE ! (1)	! FSAR TABLE ! 3.11-1	! SEE NOTE ! (1)	! -	!	!	
MODEL AND SERIAL NUMBER: EA 170-21100	!	!! PEAK	!	!	!	!	!	! (1) PRESSURE & RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION: BORON INJECTION CONT. ISO VALVE	! RELATIVE HUMIDITY	!! 20-90%	! SEE NOTE ! (1)	! FSAR TABLE ! 3.11-1	! SEE NOTE ! (1)	! -	!	! (2) NO QUALIFICATION DOCUMENTS AVAILABLE. QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL	
FUNCTION: AM	! CHEMICAL SPRAY	!! N/R	! -	! -	! -	! -	!	!	
ACCURACY SPECIFIED: N/A	! RADIATION	!! 64,000 RADS	! NONE ! SEE NOTE ! (2)	! AD MAPS ZONE -FF ! DWG G-145	! NONE ! SEE NOTE ! (2)	! -	!	! EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A	!	!!	!	!	!	!	!	!	
LOCATION: AUX BUILDING ELEVATION: -4 FT.	! AGING	!! 40 YEARS PLUS 1 YEAR	! NONE ! SEE NOTE ! (2)	! FSAR SEC ! 3.11.1	! NONE ! SEE NOTE ! (2)	! -	!	!	
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	! SUBMERGENCE	!! N/R	! -	! -	! -	! -	!	!	
COORDINATES: M-9A	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:						!	!	!
ENVIRONMENT IS HARSH	! (IF REQUIRED)						!	!	! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	!						!	!	! PREPARER: BM 07/30/82
QUALIF STATUS: NOT QUALIFIED	!						!	!	! DATE
	! REFERENCES:						!	!	! CHECKER :SKS 07/30/82
	!						!	!	! DATE
	!						!	!	! SYSTEM: CHEMICAL AND VOLUME CONTROL
	!						!	!	! QDEF SHEET NO.-0809

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS	TEST DURATION: 30 DAYS IN LOCA EN!	FSAR TABLE 3.11-2	REF (1) P.3-2 SEC 3.2.7	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID									
PLANT NUMBER: 2CH-F1529A/B	TEMPERATURE	148 DEGF	346F PEAK	HVAC TEMP MAP DWG G-145	REF (1) P.4-4 SEC.4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS REPLACEMENT REF(1) APP.I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: NP 831664E	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: BORON INJECTION CONT.ISO VALVE									
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	200 M RADS	RAD MAPS ZONE -FF DWG G-145	REF (1) P4-4 SEC.4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A									
LOCATION: AUX BUILDING ELEVATION: -4 FT.	AGING	140 YEARS PLUS 1 YEAR ACCIDENT	268F FOR 12 DYS EQ TO 4.4 YRS AT 140 F	FSAR SEC 3.11.1	REF (1) APP A P.9-3 & 4	TYPE TEST			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: M-9A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-1								
ENVIRONMENT IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV. A- JULY 1979								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER : SKS 07/30/82 DATE
									SYSTEM: CHEMICAL AND VOLUME CONTROL
									QDEF SHEET NO.-0810

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENV	FSAR TABLE	REF (1) P 10-14	TYPE TEST +	YES	QUALIFIED LIFE IS: 20 YEARS
COMPONENT: LIMIT SWITCH				3.11-2	FIG.3	ENG EVAL		
PLANT NUMBER: 3CH-F175 A/B	TEMPERATURE	150 F	1346 F PEAK	HVAC TEMP MAP DWG G-137	REF (1) P 10-5&14	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P 4-3
MANUFACTURER: NAMCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 180-21302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: BORATION BYPASS CONTROL VALVE								
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	800.000 RADS	204 M RADS	RAD MAPS ZONE -C DWG G-137	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	400 HRS AT 248F EQUIV TO 20 YRS AT 104 F	FSAR SEC 3.11.1	REF (1) P 10-6 (FIG.8) P 4-12	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -35 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: H-4A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH	ANALYSIS M-2		O!				REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO			T!				PREPARER: BM 07/30/82	
QUALIF STATUS: QUALIFIED			P!				DATE	
			H!	REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES			CHECKER :SKS 07/30/82	
			C!	REPORT NO: QTR 105 REV.1			DATE	
			R!				SYSTEM: CHEMICAL AND VOLUME CONTROL	
			A!				QDEF SHEET NO.-0811	
			S!					

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	CHEMICAL AND VOLUME CONTROL	! OPERATING TIME	!! 120 DAYS	! 30 DAYS IN ! LOCA ENV	! FSAR TABLE	! REF (1) P 3-2	! TYPE TEST +	! YES	! QUALIFIED LIFE IS: 4 YEARS	
COMPONENT:	SOLENOID	!	!!	!	! 3.11-2	! SEC 3.2.7	! ENG EVAL	!	!	
PLANT NUMBER:	3CH-F175 A/B	! TEMPERATURE	!! 150 F	! 346 F ! PEAK	! HVAC TEMP MAP	! REF (1) P 4-4	! TYPE TEST	!	! MAINTENANCE / REPLACEMENT SCHED: 4 YRS COMPS. REPLACEMENT REF(1)APP I SEC 3.2.3.13	
MANUFACTURER:	ASCO	! PRESSURE	!! 0 PSIG	! SEE NOTE ! (1)	! FSAR TABLE	! SEE NOTE ! (1)	! -	!	!	
MODEL AND SERIAL NUMBER:	HV 2068323F	!	!!	!	! 3.11-1	!	!	!	! (1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION:	BORATION BYPASS CONTROL VALVE	! RELATIVE HUMIDITY	!! 20-90%	! SEE NOTE ! (1)	! FSAR TABLE	! SEE NOTE ! (1)	! -	!	!	
FUNCTION:	AM	! CHEMICAL SPRAY	!! N/R	! -	! -	! -	! -	!	!	
ACCURACY SPECIFIED:	N/A	! RADIATION	!! 1800,000 RADS	! 200 M RADS	! RAD MAPS ZONE: C	! REF (1) P 4-4	! TYPE TEST	!	! EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.:	N/A	!	!!	!	! DWG: G-137	! SEC 4.6	!	!	!	
LOCATION:	AUX BUILDING	! AGING	!! 40 YEARS	! 268F FOR ! 12 DAYS EQ	! FSAR SEC	! REF (1) APP. A	! TYPE TEST	!	!	
ELEVATION:	-35 FT.	!	!! ACCIDENT	! TO 4.4 YRS ! AT 140F	! 3.11.1	! P 9-3&4	!	!	!	
FLOOD LEVEL EL:	N/A FEET	! SUBMERGENCE	!! N/R	! -	! -	! -	! -	!	!	
ABOVE FLOOD LEVEL:	N/A	!	!!	!	!	!	!	!	!	
COORDINATES:	H-4A	! INDEX FOR INCONSISTENCY!							!	!
ENVIRON'T IS HARSH		! ANALYSIS IN WORKFILE ! (IF REQUIRED)							!	! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO	! ANALYSIS M-1							!	! PREPARER: BM 07/30/82 DATE
QUALIF STATUS:	QUALIFIED	!							!	! CHECKER : SKS 07/30/82 DATE
		!							!	! SYSTEM: CHEMICAL AND VOLUME CONTROL
		!							!	! QDEF SHEET NO.-0812
		! REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV A JULY 1979							!	!

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	!!120 DAYS	!30 DAYS IN !LOCA ENV	FSAR TABLE	! REF (1) ! P 10-14	! TYPE ! TEST +	! YES	! QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH		!!	!	! 3.11-2	! FIG.3	! ENG ! EVAL	!	!
PLANT NUMBER: 1CH-F2501 A/B	TEMPERATURE	!!269 F !PEAK	!346 F !PEAK	! LOCA ! PROFILE	! REF (1) ! P 10-5&14	! TYPE ! TEST	!	! MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P 4-3
MANUFACTURER: NAMCO	PRESSURE	!!44 PSIG !PEAK	!70 PSIG !PEAK	! LOCA ! PROFILE	! REF (1) ! P 10-5&14	! TYPE ! TEST	!	!
MODEL AND SERIAL NUMBER: EA180-21302	RELATIVE HUMIDITY	!!100%	!100%	! FSAR ! TABLE	! REF (1) ! P 10-9	! TYPE ! TEST	!	!
SERVICE DESCRIPTION: LET DOWN FLOW CONTR TO REG HX		!!	!	! 3.11-1	! PARA 2	!	!	!
FUNCTION: AM	CHEMICAL SPRAY	!!PH 5.0 TO !!9.0 BORON !!1750 TO !!2150 PPM	!PH 10-11 !SPRAY COMP !OF H3BO3 !+ NAOH	! FSAR ! TABLE ! 3.11-1	! REF (1) ! P 10-9 ! PARA 2	! TYPE ! TEST	!	!
ACCURACY SPECIFIED: N/A	RADIATION	!!33 M RADS	!204 M RADS	! RAD ! MAPS ! ZONE -CC ! DWG G-144	! REF (1) ! P 10-7	! TYPE ! TEST	!	! EBASCO FILE NO: !EQ-ME-1
ACCURACY DEMONS.: N/A	AGING	!!40 YEARS !PLUS !!1 YEAR !!ACCIDENT	!400 HRS AT !248F EQUIV !TO 6 YRS !AT 120 F	! FSAR ! SEC ! 3.11.1	! REF (1) ! P 10-6 ! (FIG.8) ! P 4-12	! TYPE ! TEST	!	!
LOCATION: CONT BUILDING ELEVATION: +15 FT.	SUBMERGENCE	!! N/R	!-	! -	! -	! -	!	!
FLOOD LEVEL EL: +.5 FEET ABOVE FLOOD LEVEL: YES		!!	!	!	!	!	!	!
COORDINATES: S-E	! INDEX FOR INCONSISTENCY: ! ANALYSIS IN WORKFILE ! (IF REQUIRED) ! ANALYSIS M-2							!
ENVIRON'T IS HARSH	! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	! REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES							!
QUALIF STATUS: QUALIFIED	! REPORT NO: QTR 105 REV.1							!
	! SYSTEM: CHEMICAL AND VOLUME CONTROL							!
	! QDEF SHEET NO.-0813							!

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION			QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY	ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENV	FSAR TABLE	REF (1) P 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID				3.11-2	SEC 3.2.7	ENG EVAL			
PLANT NUMBER: 3CH-F2501A/B	TEMPERATURE	1414 F PEAK	1450 F PEAK	COMPOSITE LOCA-MSLB PROFILE	REF (2) APP.A FIG.4.2	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: 4 YRS COMPS. REPLACEMENT REF(1)APP I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	144 PSIG	186 PSIG	COMPOSITE LOCA-MSLB PROFILE	REF (2) APP.A FIG.4.2	TYPE TEST			
MODEL AND SERIAL NUMBER: NP 831664E	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	REF (1) P 4-4	TYPE TEST			
SERVICE DESCRIPTION: LET DOWN FLOW CONTR TO REG HX				3.11-1	SEC 4.7				
FUNCTION: AM	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON 1750 TO 2150 PPM	PH 9.5 TO 10.5 BORON 3000 PPM	FSAR TABLE	REF (1) P 4-4 SEC 4.7	TYPE TEST			
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	200 M RADS	RAD MAPS ZONE: CC DWG: G-144	REF (1) P 4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	140 YEARS +1 YEAR	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC	REF (1) APP. A P 9-384	TYPE TEST			
LOCATION: CONT BUILDING ELEVATION: +15 FT.									
FLOOD LEVEL EL: +.5 FEET	SUBMERGENCE	N/R							
ABOVE FLOOD LEVEL: YES									
COORDINATES: S-E	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-1								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
	REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV A JULY 1979 (2) ASCO TEST REPORT # AQR-67368/REV.O MARCH 1982								SYSTEM: CHEMICAL AND VOLUME CONTROL
									QDEF SHEET NO.-0814

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS	30 DAYS IN LOCA (IV)	FSAR TABLE	REF (1) P 10-14	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH				3.11-2	FIG.3	ENG EVAL		
PLANT NUMBER: 1CH-E2503A	TEMPERATURE	269 F PEAK	346 F PEAK	LOCA PROFILE	REF (1) P 10-58 14	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P 4-3
MANUFACTURER: NAMCO	PRESSURE	144 PSIG PEAK	170 PSIG PEAK	LOCA PROFILE	REF (1) P 10-58 14	TYPE TEST		
MODEL AND SERIAL NUMBER: EA180-21100	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	REF (1) P 10-9	TYPE TEST		
SERVICE DESCRIPTION: LOOP CH. CONTR. VLV FROM REG HX				3.11-1	PARA 2			
FUNCTION: AM	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON	PH 10-11 SPRAY COMP OF H3BO3	FSAR TABLE	REF (1) P 10-9	TYPE TEST		
ACCURACY SPECIFIED: N/A		1750 TO 2150 PPM	+ NAOH	3.11-1	PARA 2			
ACCURACY DEMONS.: N/A	RADIATION	33 M RADS	204 M RADS	RAD MAPS	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
LOCATION: CONT BUILDING	AGING	140 YEARS PLUS	1400 HRS AT 248F EQUIV	FSAR SEC	REF (1) P 10-6	TYPE TEST		
ELEVATION: +15 FT.		1 YEAR ACCIDENT	TO 6 YRS AT 120 F	3.11.1	(FIG.8) P 4-12			
FLOOD LEVEL EL: +.5 FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: YES								
COORDINATES: S-E	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	ANALYSIS M-2							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								REVISION NO.-01
QUALIF STATUS: QUALIFIED								PREPARER: BM 07/30/82 DATE
								CHECKER: SKS 07/30/82 DATE
								REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO: QTR 105 REV.1
								SYSTEM: CHEMICAL AND VOLUME CONTROL
								QDEF SHEET NO.-0815

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 3-2 SEC 3.2.7	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID								
PLANT NUMBER: 1CH-E2503A	TEMPERATURE	414 F PEAK	450 F PEAK	COMPOSITE LOCA-MSLB PROFILE	REF (2) APP.A FIG. 4.2	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	44 PSIG PEAK	86 PSIG PEAK	COMPOSITE LOCA-MSLB PROFILE	REF (2) APP.A FIG.4.2	TYPE TEST		
MODEL AND SERIAL NUMBER: NP 831664E	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF (1) P 4-4 SEC 4.7	TYPE TEST		
SERVICE DESCRIPTION: LOOP CH.CONTR. VLV FROM REG HX								
FUNCTION: AM	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON 1750 TO 2150 PPM	PH 9.5 TO 10.5 BORON 3000 PPM	FSAR TABLE 3.11-1	REF (1) P 4-4 SEC 4.7	TYPE TEST		
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	200 M RADS	RAD MAPS ZONE -CC DWG G-144	REF (1) P 4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140 F	FSAR SEC 3.11.1	REF (1) APP. A P 9-384	TYPE TEST		
LOCATION: CONT BUILDING ELEVATION: +15 FT.	SUBMERGENCE	N/R						
FLCOD LEVEL EL: +.5 FEET ABOVE FLOOD LEVEL: YES								
COORDINATES: S-E	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-1							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV.A JULY 1979 (2) ASCO TEST REPORT #AQR-67368/REV.O MARCH 1982							PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED								CHECKER: SKS 07/30/82 DATE
								SYSTEM: CHEMICAL AND VOLUME CONTROL
								QDEF SHEET NO. -0816

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	!!120 DAYS	!TEST DURATION: !30 DAYS !IN LOCA EN!	! FSAR TABLE ! 3.11-2	! REF (1) ! P 10-14 ! FIG. 3	! TYPE ! TEST + ! ENG ! EVAL	! YES	! QUALIFIED LIFE IS: ! 5 YEARS
PLANT NUMBER: 1CH-E2504 B	TEMPERATURE	!!269 F !PEAK	!346F !PEAK	! LOCA PROFILE	! REF (1) ! P 10-5&14 ! FIG. 3	! TYPE ! TEST		! MAINTENANCE / REPLACEMENT SCHD: ! MAINTENANCE PROCEDURE ! EA189-90051 ! RE(1) P.4-3
MANUFACTURER: NAMCO	PRESSURE	!!44 PSIG !PEAK	! 70 PSIG ! PEAK	! LOCA PROFILE	! REF. (1) ! P 10-5 & 14 ! FIG. 3	! TYPE ! TEST		
MODEL AND SERIAL NUMBER: EA180-21100	RELATIVE HUMIDITY	!!100 %	!100 %	! FSAR TABLE	! REF (1) ! P 10-9	! TYPE ! TEST		
SERVICE DESCRIPTION: LOOP CHARG CONT VLV FROM REG HX		!!	!	! 3.11-1	! PARA 2			
FUNCTION: AM	CHEMICAL SPRAY	!!PH-5.0 TO !9.0 BORON !1750 TO !2150 PPM	!PH 10-11 !SPRAY COMP !OF H3BO3 + !NAOH	! FSAR TABLE ! 3.11-1	! REF (1) ! P 10-9 ! PARA 2	! TYPE ! TEST		
ACCURACY SPECIFIED:	RADIATION	!!33 M RADS	!204 M RADS	! RAD ! MAPS ! ZONE -CC ! DWG G-144	! REF (1) ! P 10-7	! TYPE ! TEST		! EBASCO FILE NO: ! EQ-ME-1
ACCURACY DEMONS.: N/A	AGING	!!40 YEARS !PLUS !1 YEAR !ACCIDENT	!400 HRS AT !248F EQUIV !TO 6 YRS !AT 120 F	! FSAR ! SEC.3.11.1	! REF (1) ! P 10-6 ! (FIG 8) ! P.4-12	! TYPE ! TEST		
LOCATION: CONT BUILDING ELEVATION: 15 FT.	SUBMERGENCE	!! N/R	!-	! -	! -	! -		
FLOOD LEVEL EL: 0.5 FEET ABOVE FLOOD LEVEL: YES		!!	!	!	!	!		
COORDINATES: S-E	! INDEX FOR INCONSISTENCY ! ANALYSIS IN WORKFILE ! (IF REQUIRED) ! ANALYSIS M-2							!
ENVIRON'T IS HARSH	! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	! REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO. QTR 105 REV 1.							!
QUALIF STATUS: QUALIFIED	!							!
	!							! REVISION NO.-01
	!							! PREPARER: BM 07/30/82
	!							! DATE
	!							! CHECKER : SKS 07/30/82
	!							! DATE
	!							! SYSTEM: CHEMICAL AND VOLUME CONTROL
	!							! QDEF SHEET NO.-0817

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	*	*	*
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS	TEST DURATION: 30 DAYS	FSAR TABLE 3.11-2	REF (1) P 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID VALVE			IN LOCA EN!		SEC 3.2.7	ENG EVAL		
PLANT NUMBER: ICH-E2504B	TEMPERATURE	414 DEGF PEAK	450F PEAK	COMPOSITE LOCA-MSLB PROFILE	REF (2) APP.A FIG.4.2	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS REPLACEMENT REF(1) APP.I SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	144 PSIG PEAK	86 PSIG PEAK	COMPOSITE LOCA-MSLB PROFILE	REF (2) APP.A FIG.4.2	TYPE TEST		
MODEL AND SERIAL NUMBER: NP831644E	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF (1) P 4-4	TYPE TEST		
SERVICE DESCRIPTION: LOOP CHARG CONT VLV FROM REG HX				3.11-1	SEC 4.7			
FUNCTION: A M	CHEMICAL SPRAY	PH-5.0 TO 9.0 BORON 1750 TO 2150 PPM	PH 9.5 TO 10.5 BORON 3000 PPM	FSAR TABLE 3.11-1	REF (1) P 4-4 SEC 4.7	TYPE TEST		
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	200 M RADS	RAD MAPS ZONE -CC DWG G-144	REF (1) P 4-4 SEC. 1.6	TYPE TEST		EBASCO FILE NO: IEQ-ME-4
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	268F FOR 12 DYS EQ TO 4.4 YRS AT 140F	FSAR	REF (1) APP A P 9-384	TYPE TEST		
LOCATION: CONT BUILDING ELEVATION: 15 FT.	SUBMERGENCE	N/R						
FLOOD LEVEL EL: 0.5 FEET ABOVE FLOOD LEVEL: YES								
COORDINATES: S-E	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRONMENT IS HARSH	ANALYSIS M-1						REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO							PREPARER: BM 07/30/82 DATE	
QUALIF STATUS: QUALIFIED							CHECKER: SKS 07/30/82 DATE	
	REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV A, JULY 1979 (2) ASCO TEST REPORT # AQR-67368/REV.O MARCH 1982						SYSTEM: CHEMICAL AND VOLUME CONTROL QDEF SHEET NO.-0818	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS	TEST DURATION: 30 DAYS	FSAR TABLE 3.11-2	REF (1) P 10-14	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH			IN LOCA EN		FIGURE 3	ENG EVAL.		
PLANT NUMBER: 1CH-E2505A/B	TEMPERATURE	1269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF (1) P 10-5&14	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3
MANUFACTURER: NAMCO	PRESSURE	144 PSIG PEAK	70 PSIG PEAK	LOCA PROFILE	REF (1) P 10-5&14	TYPE TEST		
MODEL AND SERIAL NUMBER: EA180-21100	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF (1) P 10-9	TYPE TEST		
SERVICE DESCRIPTION: AUX SPRAY CONTR VLV FROM REG HX					PARA 2			
FUNCTION: AM	CHEMICAL SPRAY	PH-5.0 TO 9.0 BRN 1750 TO 2150 PPM	PH-10 TO 11 SPRAY COMP OF H3BO3 + INAOH	FSAR TABLE 3.11-1	REF (1) P 10-9	TYPE TEST		
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	204 M RADS	RAD MAPS ZONE: CC	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 1 YEAR POST DBA	400 HRS AT 248F EQUIV TO 6 YRS AT 120F	FSAR SECTION 3.11.4	REF (1) P 10-6 (FIGURE 8)	TYPE TEST		
LOCATION: CONT. BUILDING ELEVATION: 15 FT.	SUBMERGENCE	N/R						
FLOOD LEVEL EL: 0.5 FEET ABOVE FLOOD LEVEL: YES								
COORDINATES: S-E	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-2							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO: QTR 105 REV 1.							PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED								CHECKER: SKS 07/30/82 DATE
								SYSTEM: CHEMICAL AND VOLUME CONTROL
								QDEF SHEET NO.-0819

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS	TEST DURATION: 30 DAYS IN	FSAR TABLE	REF (1) P 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID			LOCA ENV		3.11-2 SEC 3.2.7	EVAL.		
PLANT NUMBER: 1CH-E2505A	TEMPERATURE	414 F PEAK	1450 F PEAK	COMPOSITE LOCA-MSLB PROFILE	REF (2) APP.A FIG.4.2	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	44 PSIG PEAK	86 PSIG PEAK	COMPOSITE LOCA-MSLB PROFILE	REF (2) APP.A FIG.4.2	TYPE TEST		
MODEL AND SERIAL NUMBER: NP 831664E	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	REF (1) P 4-4	TYPE TEST		
SERVICE DESCRIPTION: AUX SPRAY CONT. VLV FROM REG HX					3.11-1 SEC 4.7			
FUNCTION: AM	CHEMICAL SPRAY	PH-5.0 TO 9.0 BORON 1750 TO 2150 PPM	PH-9.5 TO 10.5 BORON 3000 PPM	FSAR TABLE	REF (1) P 4-4 SEC 4.7	TYPE TEST		
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	200 M RADS	RAD MAPS ZONE -CC	REF (1) P 4-4 SEC.4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 1 YEAR POST DBA	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC	REF (1) APP A P 9-384	TYPE TEST		
LOCATION: CONT. BUILDING								
ELEVATION: +15 FT.								
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL: YES								
COORDINATES: S-E	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	OTHER EQUIPMENT THIS QDEF APPLIES TO: 1CH-E2505B							REVISION NO.-01
QUALIF STATUS: QUALIFIED	ANALYSIS M-1							PREPARER: BM 07/30/82 DATE
	REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV A JULY 1979							CHECKER: SKS 07/30/82 DATE
	(2) ASCO TEST REPORT # AQR-67368/REV.O MARCH 1982							SYSTEM: CHEMICAL AND VOLUME CONTROL
								QDEF SHEET NO.-0820

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SG BLOWDOWN	OPERATING TIME	120 DAYS	TEST DURATION: 30 DAYS	FSAR TABLE	REF (1) P 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID VALVE			IN LOCA EN		SEC 3.2.7	ENG EVAL			
PLANT NUMBER: 2BD-F606	TEMPERATURE	148DEGF	346 DEGF PEAK	HVAC TEMP MAP	REF (1) P 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS REPLACEMENT REF(1) APP. I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: NP 8321A6E	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)				
SERVICE DESCRIPTION: CONT. ISOL									
FUNCTION: AM	CHEMICAL SPRAY	N/R							
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	200 M RADS	RAD MAPS	REF (1) P 4-4 SEC.4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A									
LOCATION: AUX BUILDING	AGING	40 YEARS PLUS	268F FOR 12 DAYS EQ TO 4.4 YRS	FSAR SEC	REF (1) APP A	TYPE TEST			
ELEVATION: -4 FT.		ACCIDENT	AT 140 F		3.11.1 P 9-384				
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R							
ABOVE FLOOD LEVEL: N/A									
COORDINATES: M-10A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-1								PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO									CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED									REFERENCES: (1) ASCO TEST REPORT # AQS 216 78/TR REV A JULY 1979
									SYSTEM:SG BLOWDOWN
									QDEF SHEET NO.-0821

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SG BLOWDOWN	OPERATING TIME	120 DAYS	TEST DURATION: 30 DAYS IN LOCA EN!	FSAR TABLE 3.11-2	REF.(1) P.3-2 SEC 3.2.7	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID	TEMPERATURE	148F	346F PEAK	HVAC TEMP MAP DWG G-145	REF.(1) P 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1) APP.I SEC 3.2.3.13
PLANT NUMBER: 2BD-F604	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		!(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: NP 8321A6E	CHEMICAL SPRAY	N/R	-	-	-	-		
SERVICE DESCRIPTION: CONTAINMENT ISOLATION	RADIATION	64,000 RADS	200 M RADS	RAD MAP ZONE G - 145	REF (1) P.4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4
FUNCTION: AM	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	268 F FOR 12 DAYS EQ TO 4.4 YRS! AT 140F	FSAR SEC. 3.11.1	REF (1) APP A P.2-3&4	TYPE TEST		
ACCURACY SPECIFIED: N/A	SUBMERGENCE	N/R	-	-	-	-		
ACCURACY DEMONS.: N/A	INDEX FOR INCONSISTENCY!							
LOCATION: AUX BUILDING ELEVATION: -4 FT.	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
FLOOD LEVEL EL: N/A FEET	ANALYSIS M-1			REFERENCES: (1) ASCO TEST REPORT # AQS21678/TR REV A JULY 1979				REVISION NO.-01
ABOVE FLOOD LEVEL: N/A	EQUIPMENT EXEMPT FROM QUALIFICATION: NO							PREPARER: BM 07/30/82 DATE
	QUALIF STATUS: QUALIFIED							CHECKER :SKS 07/30/82 DATE
								SYSTEM:SG BLOWDOWN
								QDEF SHEET NO.-0822

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SG BLOWDOWN	OPERATING TIME	120 DAYS	TEST DURATION: 30 DAYS	FSAR TABLE 3.11-2	REF(1) P10-14 FIG 3	TYPE TEST +	YES	QUALIFIED LIFE IS: 20 YEARS
COMPONENT: LIMIT SWITCH			IN LOCA EN			ENG EVAL		
PLANT NUMBER: 2BD-F604	TEMPERATURE	148F	1346 F PEAK	HVAC TEMP MAP DWG G-145	REF(1) P 10-5&14 FIG 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3
MANUFACTURER: NAMCO	PRESSURE		SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 180-15302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: CONTAINMENT ISOLATION	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	1204 M RADS	RAD MAP ZONE FF DWG G-145	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 1 YEAR	1400 HRS AT 248F EQUIV TO 20 YRS AT 104F	FSAR SEC. 3.11.1	REF (1) P 10-6 (FIG 8) P4-12	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -4 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET								
ABOVE FLOOD LEVEL: N/A								
COORDINATES: N-4A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
ENVIRON'T IS HARSH	ANALYSIS M-2							PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES. REPORT NO. QTR 105 REV 1.							CHECKER : SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								SYSTEM: SG BLOWDOWN
								QDEF SHEET NO. -0823

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SG BLOWDOWN	OPERATING TIME	120 DAYS	TEST DURATION: 30 DAYS IN LOCA EN!	FSAR TABLE 3.11-2	REF(1) P. 10-14 FIGURE 3	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 20 YEARS
COMPONENT: LIMIT SWITCH	TEMPERATURE	148F	1346F PEAK	HVAC TEMP MAP DWG G-145	REF(1) P. 10-5&14 FIGURE 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3
PLANT NUMBER: 2BD-F604	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
MODEL AND SERIAL NUMBER: EA180-14302	CHEMICAL SPRAY	N/R	-	-	-	-		
SERVICE DESCRIPTION: CONTAINMENT ISOLATION	RADIATION	64,000 RADS	204 M RADS	RAD MAP ZONE FF DWG G-145	REF(1) P. 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
FUNCTION: AM	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	1400 HRS AT 1248F EQUIV TO 20 YRS AT 104F	FSAR SEC. 3.11.1	(1) P. 10-6 (FIGURE 8) P. 4-12	TYPE TEST		
ACCURACY SPECIFIED: N/A	SUBMERGENCE	N/R	-	-	-	-		
ACCURACY DEMONS.: N/A	INDEX FOR INCONSISTENCY!							
LOCATION: AUX BUILDING ELEVATION: -4 FT.	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
FLOOD LEVEL EL: N/A FEET	ANALYSIS M-2			REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO. QTR 105 REV 1.				PREPARER:BM 07/30/82 DATE
ABOVE FLOOD LEVEL: N/A								CHECKER :SKS 07/30/82 DATE
COORDINATES: N-4A								SYSTEM:SG BLOWDOWN
ENVIRON'T IS HARSH								QDEF SHEET NO.-0824
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								
QUALIF STATUS: QUALIFIED								

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: SG BLOWDOWN	OPERATING TIME	120 DAYS	TEST	FSAR TABLE 3.11-2	REF (1) P. 10-14	TYPE TEST +	YES	QUALIFIED LIFE IS: 20 YEARS
COMPONENT: LIMIT SWITCH			30 DAYS IN LOCA EN		FIGURE 3	ENG. EVAL.		
PLANT NUMBER: 2BD-F606	TEMPERATURE	148F	346F PEAK	HVAC TEMP MAP DWG G-145	REF (1) P. 10-5&14	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3
MANUFACTURER: NAMCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 180-14302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: CONTAINMENT ISOLATION								
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	204 M RADS	RAD MAP ZONE FF DWG G - 145	REF (1) P. 10-7	TYPE TEST		E BASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A	AGING	140 YEARS PLUS 1 YEAR ACCIDENT	400 HRS AT 248F EQUIV TO 20 YRS AT 104F	FSAR SEC. 3.11.1	REF (1) P. 10-6 (FIG.8) P. 4-12	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -4 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R	-	-	-	-		
COORDINATES: M-10A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-2							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO. QTR 105 REV 1.							PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED								CHECKER : SKS 07/30/82 DATE
								SYSTEM: SG BLOWDOWN
								QDEF SHEET NO. -0825

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SG BLOWDOWN	OPERATING TIME	120 DAYS	TEST DURATION: 30 DAYS IN LOCA EN!	FSAR TABLE 3.11-2	REF (1) P. 10-14	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: -20 YEARS	
COMPONENT: LIMIT SWITCH	TEMPERATURE	148F	346F PEAK	HVAC TEMP MAP DWG G-145	REF (1) P. 10-5&14	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: -MAINTENANCE P ROCEDURE EA189-90051 REF(1)P.4-3	
PLANT NUMBER: 2BD-F606	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
MODEL AND SERIAL NUMBER: EA 180-15302	CHEMICAL SPRAY	N/R	-	-	-	-			
SERVICE DESCRIPTION: CONTAINMENT ISOLATION	RADIATION	64,000 RADS	204 M RADS	RAD MAP ZONE FF DWG G-145	REF (1) P. 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
FUNCTION: AM	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	400 HRS AT 248F EQUIV TO 20 YRS AT 104F	FSAR SEC. 3.11.1	REF (1) P. 10-6 (FIG. 8)	TYPE TEST			
ACCURACY SPECIFIED: N/A	SUBMERGENCE	N/R	-	-	-	-			
ACCURACY DEMONS.: N/A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:					REVISION NO.-01
LOCATION: AUX BUILDING ELEVATION: -4 FT.	ANALYSIS M-2			REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO.QTR 105 REV 1.					PREPARER:BM 07/30/82 DATE CHECKER :SKS 07/30/82 DATE
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A									SYSTEM:SG BLQWDOWN
COORDINATES: M-10A									QDEF SHEET NO.-0826

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SG BLOWDOWN	OPERATING TIME	120 DAYS	TEST DURATION: 30 DAYS	FSAR TABLE 3.11-2	REF (1) P 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID			IN LOCA EN!		SEC 3.2.7	ENG EVAL		
PLANT NUMBER: 2BD-F603	TEMPERATURE	414 F PEAK	448F PEAK	COMPOSITE LOCA-MSLB PROFILE	REF (2) APP.A FIG.4.1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: 4 YRS COMPS REPLACEMENT REF(1) APP.I SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	44 PSIG PEAK	68 PSIG PEAK	COMPOSITE LOCA-MSLB PROFILE	REF (2) APP.A FIG.4.1	TYPE TEST		
MODEL AND SERIAL NUMBER: NP 8321A6E	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE 3.11-1	REF (1) P 4-4	TYPE TEST		
SERVICE DESCRIPTION: CONT ISO VLV					SEC.4.7			
FUNCTION: A.M	CHEMICAL SPRAY	PH-5.0 TO 9.0 BORON	PH9.5-10.5 BORON	FSAR TABLE 3.11-1	REF (1) P 4-4	TYPE TEST		
ACCURACY SPECIFIED: N/A		1750 TO 2150 PPM	3000 PPM		SEC.4.7			
ACCURACY DEMONS.: N/A	RADIATION	33 M RADS	200 M RADS	RAD MAP ZONE CC DWG G - 145	REF (1) P 4-4 SEC.4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4
LOCATION: CONT BUILDING ELEVATION: 15 FT.	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140 F	FSAR SEC.3.11.1	REF (1) APP.A P 9-384	TYPE TEST		
FLOOD LEVEL EL: 0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/R	-	-	-	-		
COORDINATES: S-W	INDEX FOR INCONSISTENCY!			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-1							PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED				REFERENCES: (1) ASCO TEST REPORT # AQS21678/TR REV A JULY 1979 (2) ASCO TEST REPORT # AQR-67368/REV.O MARCH 1982				CHECKER : SK5 07/30/82 DATE SYSTEM: SG BLOWDOWN QDEF SHEET NO.-0827

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SG BLOWDOWN	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENV.	FSAR TABLE 3.11-2	REF (1) P 10-14 FIG.3	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
PLANT NUMBER: 2BD-F603	TEMPERATURE	269 F PEAK	346 F PEAK	LOCA PROFILE	REF (1) P10-5 & 14 FIG.3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3	
MANUFACTURER: NAMCO	PRESSURE	44 PSIG PEAK	70 PSIG PEAK	LOCA PROFILE	REF (1) P10-5 & 14 FIG.3	TYPE TEST			
MODEL AND SERIAL NUMBER: EA180-15302	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF (1) P10-9 PARA 2	TYPE TEST			
SERVICE DESCRIPTION: CONT ISO VALVE	CHEMICAL SPRAY	PH 10-11 9.0 BGPON 1750 TG 2150 PPM	PH 10-11 SPRAY COMP OF H3BO3 + NAOH	FSAR TABLE 3.11-1	REF (1) P10-9 PARA 2	TYPE TEST			
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	204 M RADS	RADIATION MAPS ZONE CC DWG G-145	REF (1) P10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 1YEAR	400 HRS AT 248F EQUIV TO 6 YRS AT 120 F	FSAR SEC. 3.11.1	REF (1) P10-6 (FIG. 8) P4-12	TYPE TEST			
LOCATION: CONT BUILDING ELEVATION: 15 FT.	SUBMERGENCE	N/R	-	-	-	-			
FLOOD LEVEL EL: 0.5 FEET ABOVE FLOOD LEVEL: YES									
COORDINATES: S-W	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-2								PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED	REFERENCES: (1)NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO. QTR 105 REV.1								SYSTEM: SG BLOWDOWN
									QDEF SHEET NO.-0828

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: SG BLOWDOWN	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE	REF (1) P 10-14	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH				3.11-2	FIGURE 3			
PLANT NUMBER: 2BD-F603	TEMPERATURE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF (1) P. 10-5814	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3
MANUFACTURER: NAMCO	PRESSURE	144 PSIG PEAK	170 PSIG PEAK	LOCA PROFILE	REF (1) P. 10-5814	TYPE TEST		
MODEL AND SERIAL NUMBER: EA180-14302	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	REF (1) P 10-9	TYPE TEST		
SERVICE DESCRIPTION: CONT. ISO. VLV				3.11-1	PARA 2			
FUNCTION: AM	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON	PH 10-11 SPRAY COMP	FSAR TABLE	REF (1) P 10-9	TYPE TEST		
ACCURACY SPECIFIED: N/A		1750 TO 2150PPM	OF H3BO3 + NAOH	3.11-1	PARA 2			
ACCURACY DEMONS.: N/A	RADIATION	33 M RADS	204 M RADS	RADIATION MAPS	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
				ZONE CC. DWG:G-145				
LOCATION: CONT BUILDING ELEVATION: 15 FT.	AGING	140 YEARS PLUS 1 YEAR	400 HRS AT 248F EQUIV TO 6 YRS. AT 120 F	FSAR SECTION	REF (1) P. 10-6 (FIGURE 8)	TYPE TEST		
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: YES								
COORDINATES: S-W	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-2							
QUALIF STATUS: QUALIFIED	OTHER EQUIPMENT THIS QDEF APPLIES TO:							
	REFERENCES: (1)NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO:QTR 105 REV.1							
	REVISION NO. -01							
	PREPARER: BM 07/30/82							
	DATE							
	CHECKER : SKS 07/30/82							
	DATE							
	SYSTEM: SG BLOWDOWN							
	QDEF SHEET NO.-0829							

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	SG BLOWDOWN	OPERATING TIME	!!120 DAYS	!30 DAYS IN !LOCA ENV	FSAR TABLE	REF (1) P 3-2	! TYPE TEST + ENG. EVAL.	! YES	! QUALIFIED LIFE IS: 4 YEARS
COMPONENT:	SOLENOID				3.11-2	SEC 3.2.7			
PLANT NUMBER:	2BD-F605	TEMPERATURE	!!414F PEAK	!448F PEAK	! COMPOSITE ! LOCA-MSLB ! PROFILE	REF (2) APP.A FIG.4.1	! TYPE TEST		! MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC.3.2.3.13
MANUFACTURER:	ASCO	PRESSURE	!! 44 PSIG PEAK	!68PSIG PEAK	! COMPOSITE ! LOCA-MSLB ! PROFILE	REF (2) APP.A FIG.4.1	! TYPE TEST		
MODEL AND SERIAL NUMBER:	NP 8321A6E	RELATIVE HUMIDITY	!!100 %	!100 %	! FSAR TABLE	REF (1) P 4-4	! TYPE TEST		
SERVICE DESCRIPTION:	CONT ISOL VALVE				3.11-1	SEC 4.7			
FUNCTION:	A M	CHEMICAL SPRAY	!!PH 5.0 TO !!9.0 BORON !!1750 TO !!2150PPM	!PH 9.5 TO !10.5 BORON !3000PPM	! FSAR TABLE	REF (1) P 4-4 SEC 4.7	! TYPE TEST		
ACCURACY SPECIFIED:	N/A	RADIATION	!!33 M RADS	!200 M RADS	! RADIATION ! MAPS ! ZONE CC ! DWG G-145	REF (1) P 4-4 SEC 4.6	! TYPE TEST		! EBASCO FILE NO: !EQ-ME-4
ACCURACY DEMONS.:	N/A	AGING	!!40 YEARS !! PLUS !! 1 YEAR !!ACCIDENT	!268F FOR !12 DAYS EQ !TO 4.4 YRS !AT 140F	! FSAR	REF (1) APP.A P 9-3 & 4	! TYPE TEST		
LOCATION: CONT BUILDING									
ELEVATION: 15 FT.									
FLOOD LEVEL EL: 0.5 FEET		SUBMERGENCE	!!N/R	! -	! -	! -	! -		
ABOVE FLOOD LEVEL:	YES								
COORDINATES: S-E		INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH..		ANALYSIS IN WORKFILE ! (IF REQUIRED)							! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO		ANALYSIS M-1							! PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED		REFERENCES: (1) ASCO TEST REPORT # AQS21678/TR REV A JULY 1979 (2) ASCO TEST REPORT # AQR-67368/REV.O MARCH 1982							! CHECKER :SKS 07/30/82 DATE
									! SYSTEM:SG BLOWDOWN
									! QDEF SHEET NO.-0830

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.		
SYSTEM: SG BLOWDOWN	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 10-14 FIGURE 3	TYPE TEST + ENG EVAL.	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH							
PLANT NUMBER: 2BD-F605	TEMPERATURE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF (1) P 10-5814 FIGURE 3	TYPE TEST	MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF (1) P.4-3
MANUFACTURER: NAMCO	PRESSURE	44 PSIG PEAK	70 PSIG PEAK	LOCA PROFILE	REF (1) P 10-5814 FIGURE 3	TYPE TEST	
MODEL AND SERIAL NUMBER: EA180-15302	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF (1) P 10-9 PARA 2	TYPE TEST	
SERVICE DESCRIPTION: CONT ISOL VALVE							
FUNCTION: AM	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON 1750 TO 2150 PPM	PH 10 TO 11 SPRAY COMP OF H3BO3 + NAOH	FSAR TABLE 3.11-1	REF (1) P 10-9 PARA 2	TYPE TEST	
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	204 M RADS	RADIATION MAPS	REF (1) P 10-7	TYPE TEST	EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A							
LOCATION: CONT BUILDING ELEVATION: 15 FT.	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	400 HRS AT 248F EQUIV TO 6 YRS AT 120F	FSAR SECTION 3.11.1	REF (1) P 10-6 (FIGURE 8) P 4-12	TYPE TEST	
FLOOD LEVEL EL: 0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/R	-	-	-	-	
COORDINATES: S-E	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)		OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH	ANALYSIS M-2		O	REFERENCES: (1)NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES. REPORT NO. QTR 105 REV 1.			PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO			T				CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED			P				SYSTEM: SG BLOWDOWN
			H				QDEF SHEET NO. -0831
			C				
			R				
			A				
			S				

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SG BLOWDOWN	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 10-14	TYPE TEST + ENG EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 2BD-F605	TEMPERATURE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF (1) P 10-58&14	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3
MANUFACTURER: NAMCO	PRESSURE	44 PSIG PEAK	70 PSIG PEAK	LOCA PROFILE	REF (1) P 10-58&14	TYPE TEST		
MODEL AND SERIAL NUMBER: EA180-14302					FIG. 3			
SERVICE DESCRIPTION: CONT ISOL VALVE	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF (1) P 10-9	TYPE TEST		
					PARA 2			
FUNCTION: AM	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON	PH10 TO 11 SPRAY COMP OF H3BO3 + NAOH	FSAR TABLE 3.11-1	REF (1) P 10-9	TYPE TEST		
ACCURACY SPECIFIED: N/A		1750 TO 2150 PPM			PARA 2			
ACCURACY DEMONS.: N/A	RADIATION	33 M RADS	204 M RADS	RADIATION MAPS	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
				ZONE: CC				
				DWG: G-145				
LOCATION: CONT BUILDING ELEVATION: 15 FT.	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	400 HRS AT 248F EQUIV TO 6 YRS AT 120 F	FSAR SECTION 3.11.1	REF (1) P 10-6 (FIGURE 8)	TYPE TEST		
FLOOD LEVEL EL: 0.5 FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL: YES								
COORDINATES: S-E	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH	ANALYSIS M-2						REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO							PREPARER: BM 07/30/82 DATE	
QUALIF STATUS: QUALIFIED							CHECKER :SKS 07/30/82 DATE	
	REFERENCES: (1)NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES						SYSTEM:SG BLOWDOWN	
	REPORT NU: QIR 105 REV 1						QDEF SHEET NO.-0832	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:									
COMPONENT: FOR FUTURE	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:	
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!		
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!	DELETED, THIS SHEET INTENTIONALLY LEFT BLANK	
SERVICE DESCRIPTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
FUNCTION:	RADIATION	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	AGING	!!	!	!	!	!	!		
ACCURACY DEMONS.:									
LOCATION: BUILDING ELEVATION: FT.									
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:									
COORDINATES:	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:								
ENVIRON'T IS								! REVISION NO. - 0	
EQUIPMENT EXEMPT FROM QUALIFICATION:								! PREPARER: 07/30/82 DATE	
QUALIF STATUS:								! CHECKER : 07/30/82 DATE	
								! SYSTEM:	
								! QDEF SHEET NO.-0833	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:									
COMPONENT: FOR FUTURE	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:	
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!	DELETED THIS SHEET INTENTIONALLY LEFT BLANK	
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!		
SERVICE DESCRIPTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
FUNCTION:	RADIATION	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	AGING	!!	!	!	!	!	!		
ACCURACY DEMONS.:									
LOCATION: BUILDING									
ELEVATION: FT.									
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:									
COORDINATES:	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE! (IF REQUIRED)								
ENVIRON'T IS	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. - 0
EQUIPMENT EXEMPT FROM QUALIFICATION:	REFERENCES:								PREPARER: 07/30/82 DATE
QUALIF STATUS:									CHECKER: 07/30/82 DATE
									SYSTEM:
									QDEF SHEET NO. -0834

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:		OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:
COMPONENT:	FOR FUTURE		!!	!	!	!	!	!	
PLANT NUMBER:	RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	USE	PRESSURE	!!	!	!	!	!	!	DELETED, THIS SHEET INTENTIONALLY LEFT BLANK
MODEL AND SERIAL NUMBER:		RELATIVE HUMIDITY	!!	!	!	!	!	!	
SERVICE DESCRIPTION:			!!	!	!	!	!	!	
FUNCTION:		CHEMICAL SPRAY	!!	!	!	!	!	!	
ACCURACY SPECIFIED:		RADIATION	!!	!	!	!	!	!	
ACCURACY DEMONS.:			!!	!	!	!	!	!	
LOCATION:	BUILDING	AGING	!!	!	!	!	!	!	
ELEVATION:	FT.		!!	!	!	!	!	!	
FLOOD LEVEL EL:	FEET	SUMMER-FENCE	!!	!	!	!	!	!	
ABOVE FLOOD LEVEL:			!!	!	!	!	!	!	
COORDINATES:		INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. - 0
ENVIRON'T IS				O!					PREPARER: 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:				T!					DATE
QUALIF STATUS:				P!					CHECKER : 07/30/82
				H!	REFERENCES:				DATE
				C!					
				R!					SYSTEM:
				A!					
				S!					QDEF SHEET NO.-0835

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTAINMENT SPRAY	OPERATING TIME	120 DAYS	160,000 HRS	FSAR TABLE	REF (1) P 2	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: MOTOR				3.11-2	PARA 2A			
PLANT NUMBER: CONTAINMENT SPRAY PUMP A	TEMPERATURE	104F	SEE NOTE (1)	HVAC TEMP. MAP	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: WILL BE FURN BY ALLIS-CHALMERS PER REF(1)P 3
MANUFACTURER: ALLIS CHALMERS	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			(1) TEMPERATURE PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: 500 PS6	RELATIVE HUMIDITY	20%- 90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			
SERVICE DESCRIPTION: DRIVER OF PUMP A				3.11-1				
FUNCTION: AM	CHEMICAL SPRAY	N/R						
ACCURACY SPECIFIED: N/A	RADIATION	4.2 M RADS	10 M RADS	RAD MAPS	REF(1) P 2	TYPE TEST		EBSCO FILE NO: EQ-ME-8
ACCURACY DEMONS.: N/A				ZONE -U	PARA 2B			
	AGING	N/R						
LOCATION: AUX BUILDING ELEVATION: -35 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL: N/A								
COORDINATES: K-8A	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: (IF REQUIRED) !							
ENVIRONMENT IS HARSH	! CONTAINMENT SPRAY PUMP B. !							! REVISION NO. -01 !
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	O ! T ! P ! H ! C ! R ! A ! S !							! PREPARER: BM 07/30/82 ! DATE !
QUALIF STATUS: QUALIFIED	REFERENCES: (1) MOTOR QULIFICATION PER 323-1971							! CHECKER :SKS 07/30/82 ! DATE !
	REFERENCE: PO# NY-403436							! SYSTEM: CONTAINMENT !
	SPEC. LOU-1564.116							! SPRAY !
								! QDEF SHEET NO. -0836 !

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:									
COMPONENT:	FOR FUTURE							QUALIFIED LIFE IS:	
PLANT NUMBER:	RESERVED	TEMPERATURE						MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	USE	PRESSURE						DELETED, THIS SHEET INTENTIONALLY LEFT BLANK	
MODEL AND SERIAL NUMBER:		RELATIVE HUMIDITY							
SERVICE DESCRIPTION:		CHEMICAL SPRAY							
FUNCTION:		RADIATION							
ACCURACY SPECIFIED:		AGING							
ACCURACY DEMONS.:									
LOCATION:	BUILDING								
ELEVATION:	FT.								
FLOOD LEVEL EL:	FEET	SUBMERGENCE							
ABOVE FLOOD LEVEL:									
COORDINATES:		!INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE (IF REQUIRED) !							
ENVIRON'T IS		OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.- 0
EQUIPMENT EXEMPT FROM QUALIFICATION:								PREPARER: 07/30/82	
QUALIF STATUS:								DATE	
								CHECKER : 07/30/82	
								DATE	
								SYSTEM:	
								QDEF SHEET NO.-0837	

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	WASTE MANAGEMENT	! OPERATING TIME	!!120 DAYS	!30 DAYS IN! !LOCA ENV	! FSAR TABLE	! REF (1) P 10-14	! TYPE TEST +	! YES	! QUALIFIED LIFE IS: 5 YEARS
COMPONENT:	LIMIT SWITCH	!!	!!	!	! 3.11-2	! FIG.3	! ENG EVAL	!	!
PLANT NUMBER:	2WM-F104 A/B	! TEMPERATURE	!!269 F	!346 F	! LOCA PROFILE	! REF (1) P 10-5&14	! TYPE TEST	!	! MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA189-90051 REF(1)P 4-3
MANUFACTURER:	NAMCO	! PRESSURE	!!144 PSIG	!70 PSIG	! LOCA PROFILE	! REF (1) P 10-5&14	! TYPE TEST	!	!
MODEL AND SERIAL NUMBER:	EA180-15302	!!	!!	!	!	! FIG.3	!	!	!
SERVICE DESCRIPTION:	CONT.SUMP PMPS ISOL. VALVE	! RELATIVE HUMIDITY	!!100%	!100%	! FSAR TABLE	! REF (1) P 10-9	! TYPE TEST	!	!
FUNCTION:	A.M.	! CHEMICAL SPRAY	!!PH 5.0 TO !!9.0 BORON !!1750 TO !!2150 PPM	!PH 10-11 !SPRAY COMP! !OF H3BO3 +! !NAOH	! FSAR TABLE	! REF (1) P 10-9	! TYPE TEST	!	!
ACCURACY SPECIFIED:	N/A	! RADIATION	!!33 M RADS	!204 M RADS	! RAD MAPS	! REF (1) P 10-7	! TYPE TEST	!	! EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.:	N/A	!!	!!	!	! ZONE: CC ! DWG: G-145!	!	!	!	!
LOCATION:	CONT BUILDING	! AGING	!!40 YEARS	!400 HRS AT! !248F EQUIV!	! FSAR SEC	! REF (1) P 10-6	! TYPE TEST	!	!
ELEVATION:	+5 FT.	!!	!!	! ACCIDENT	! TO 6 YRS ! AT 120F	! 3.11.1 ! (FIG.8) ! P 4-12	!	!	!
FLOOD LEVEL EL:	+0.5 FEET	! SUBMERGENCE	!!N/R	!-	!-	!-	!	!	!
ABOVE FLOOD LEVEL:	YES	!!	!!	!	!	!	!	!	!
COORDINATES:	S-E	! INDEX FOR INCONSISTENCY!							!
ENVIRON'T IS HARSH		! ANALYSIS IN WORKFILE (IF REQUIRED)							!
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		! ANALYSIS M-2							!
QUALIF STATUS: QUALIFIED		O! T! P! H! C! R! A! S!							!
		OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
		REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO.QTR 105 REV.1							!
		! REVISION NO.-01							!
		! PREPARER: BM 07/30/82							!
		! CHECKER :SKS 07/30/82							!
		! SYSTEM:WASTE MANAGEMENT							!
		! QDEF SHEET NO.-0838							!

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: WASTE MANAGEMENT	OPERATING TIME	120 DAYS	30DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 10-14 FIG.3	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 2WM-F104A/B	TEMPERATURE	269F PEAK	346F PEAK	LOCA PROFILE	REF (1) P 10-58.14 FIG.3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3
MANUFACTURER: NAMCO	PRESSURE	44 PSIG PEAK	70 PSIG PEAK	LOCA PROFILE	REF (1) P 10-58.14 FIG.3	TYPE TEST		
MODEL AND SERIAL NUMBER: EA 180-1401.2	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF (1) P 10-9 PARA 2	TYPE TEST		
SERVICE DESCRIPTION: CONT SUMP PUMPS ISOL VALVE	CHEMICAL SPRAY	PH-5.0 TO 9.0 BORON-175CT02150 PPM	PH-10-11 SPRAY COMP OF H3BO3 + NAOH	FSAR TABLE 3.11-1	REF (1) P 10-9 PARA 2	TYPE TEST		
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	204 M RADS	RADIATION MAPS ZONE - CC DWG G -145	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A								
LOCATION: CONT BUILDING ELEVATION: +5 FT.	AGING	40 YEARS PLUS 1 YEAR	400 HRS AT 248F EQUIV TO 6 YRS AT 120F	FSAR SEC.3.11.1	REF (1) P 10-6 (FIG.8) P 4-12	TYPE TEST		
FLOOD LEVEL EL: 0.5 FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL: YES								
COORDINATES: S-E	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-2							
QUALIF STATUS: QUALIFIED	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
	REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO. QTR 105 REV.1							PREPARED BY: BM 07/30/82 DATE
								CHECKER: SKS 07/30/82 DATE
								SYSTEM: WASTE MANAGEMENT
								QDEF SHEET NO.-0839

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: WASTE MANAGEMENT	OPERATING TIME	120 DAYS	130 DAYS IN LOCA	FSAR TABLE 3.11-2	REF.(1) P 10-14	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH			ENV		FIG.3	EVAL			
PLANT NUMBER: 2WM-F157A/B	TEMPERATURE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF.(1) P 10-5&14	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3	
MANUFACTURER: NAMCO	PRESSURE	44 PSIG PEAK	70 PSIG PEAK	LOCA PROFILE	REF.(1) P 10-5&14	TYPE TEST			
MODEL AND SERIAL NUMBER: EA 180-14302	RELATIVE HUMIDITY	100 %	100%	FSAR TABLE 3.11-1	REF.(1) P 10-9	TYPE TEST			
SERVICE DESCRIPTION: CONT.WASTE GAS ISOLATION VALVE					PARA 2				
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON	PH 10-11 SPRAY COMP	FSAR TABLE 3.11-1	REF.(1) P 10-9	TYPE TEST			
ACCURACY SPECIFIED: N/A		1750-2150 PPM	OF H3BO3 + NAOH		PARA 2				
ACCURACY DEMONS.: N/A	RADIATION	33 M RADS	204 MRADS	RADIATION MAPS	REF.(1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
				ZONE -CC					
				DWG G -145					
LOCATION: CONT BUILDING ELEVATION: +10 FT.	AGING	40 YRS + 1 YR POST DBA	400 HRS AT 248F EQUIV TO 6 YRS AT 120F	FSAR SEC.3.11.1	REF.(1) P10-6 (FIG.8)	TYPE TEST			
FLOOD LEVEL EL: 0.5 FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: YES									
COORDINATES: S-E	INDEX FOR INCONSISTENCY!								
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	ANALYSIS M-2								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED								REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO. QTR 105 REV 1	CHECKER :SKS 07/30/82 DATE
									SYSTEM: WASTE MANAGEMENT
									QDEF SHEET NO. -0840

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: WASTE MANAGEMENT	OPERATING TIME	120 DAYS	30DAYS IN LOCA ENV.	FSAR TABLE	REF.(1) P.10-14	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 2WM-F157A/B	TEMPERATURE	269F PEAK	346F PEAK	LOCA PROFILE	REF.(1) P 10-5814	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3	
MANUFACTURER: NAMCO	PRESSURE	44 PSIG PEAK	70 PSIG PEAK	LOCA PROFILE	REF.(1) P 10-5814	TYPE TEST			
MODEL AND SERIAL NUMBER: EA180-15302	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	REF.(1) P 10-9	TYPE TEST			
SERVICE DESCRIPTION: CONT.WASTE GAS ISOL. VALVE	CHEMICAL SPRAY	PH-5.0 TO 9.0 BORON-1750-2150 PPM	PH 10-11 SPRAY COMP OF H3BO3 + NAOH	FSAR TABLE	REF.(1) P 10-9	TYPE TEST			
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	204 M RADS	RADIATION MAPS	REF.(1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
ACCURACY DEMONS.: N/A									
LOCATION: CONT BUILDING ELEVATION: +10 FT.	AGING	40 YEARS PLUS 1 YEAR	400 HRS AT 248F EQUIV TO 6 YRS AT 120F	FSAR SEC3.11.1	REF.(1) P 10-6 (FIG.8)	TYPE TEST			
FLOOD LEVEL EL: 0.5 FEET	SUBMERGENCE	N/R							
ABOVE FLOOD LEVEL: YES									
COORDINATES: S-E	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-2								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									REVISION NO.-01
QUALIF STATUS: QUALIFIED									PREPARER: BM 07/30/82 DATE
									CHECKER : SKS 07/30/82 DATE
									REFERENCES: (1)NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO. QTR 105 REV.1
									SYSTEM: WASTE MANAGEMENT
									QDEF SHEET NO.-0841

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: WASTE MANAGEMENT	OPERATING TIME	120 DAYS	130 DAYS IN LOCA EN	FSAR TABLE	REF (1) P 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID				3.11-2	SEC 3.2.7	ENG. EVAL.		
PLANT NUMBER: 2WM-F157A/B	TEMPERATURE	414F PEAK	450F PEAK	COMPOSITE LOCA-MSLB PROFILE	REF (2) APP.A FIG.4.2	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF (1)APP.I SEC 3.2.2 13
MANUFACTURER: ASCO	PRESSURE	44 PSIG PEAK	86 PSIG PEAK	COMPOSITE LOCA-MSLB PROFILE	REF (2) APP.A FIG.4.2	TYPE TEST		
MODEL AND SERIAL NUMBER: NP831655E	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	REF (1) P. 4-4	TYPE TEST		
SERVICE DESCRIPTION: CONT WASTE GAS ISOL VALVE				3.11-1	SEC 4.7			
FUNCTION: AM	CHEMICAL SPRAY	PH-5.0 TO 9.0 BORON-1750-2150 PPM	PH-9.5 TO 10.5 BORON 3000 PPM	FSAR TABLE	REF (1) P. 4-4 SEC 4.7	TYPE TEST		
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	200 M RADS	RADIATION MAPS	REF (1) P. 4-4	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A				ZONE - CC DWG G- 145	SEC 4.6			
LOCATION: CONT BUILDING ELEVATION: +10 FT.	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC. 3.11.1	REF (1) APP.A P.9-384	TYPE TEST		
FLOOD LEVEL EL: 0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/R						
COORDINATES: S-E	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	ANALYSIS M-1							
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	OTHER EQUIPMENT THIS QDEF APPLIES TO:							
QUALIF STATUS: QUALIFIED	REFERENCES: (1) ASCO TEST REPORT #AQS21678 /TR REV. A JULY 1979 (2) ASCO TEST REPORT # AQR-67368/REV.O MARCH 1982							
	REVISION NO.-01							
	PREPARER:BM 07/30/82 DATE							
	CHECKER :SKS 07/30/82 DATE							
	SYSTEM:WASTE MANAGEMENT							
	QDEF SHEET NO.-0842							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: SAMPLING	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE	REF (1) P 10-14	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH				3.11-2	FIG.3	ENG EVAL			
PLANT NUMBER: 2SL-F1501A/B	TEMPERATURE	269 F	346 F	LOCA PROFILE	REF (1) P 10-5&14	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3	
MANUFACTURER: NAMCO	PRESSURE	44 PSIG	70 PSIG	LOCA PROFILE	REF (1) P 10-5&14	TYPE TEST			
MODEL AND SERIAL NUMBER: EA180-21302					FIG.3				
SERVICE DESCRIPTION: VALVE	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	REF (1) P 10-9	TYPE TEST			
				3.11-1	PARA 2				
FUNCTION: AM	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON	PH 10-11 SPRAY COMP	FSAR TABLE	REF (1) P 10-9	TYPE TEST			
		1750 TO 2150 PPM	OF H3BO3 + NAOH	3.11-1	PARA 2				
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	204 M RADS	RADIATION	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
ACCURACY DEMONS.: N/A				MAPS					
				ZONE: CC					
				DWG: G-145					
LOCATION: CONT BUILDING	AGING	40 YEARS PLUS ONE YEAR	400 HRS AT 248F EQUIV TO 6 YRS AT 120F	FSAR SEC.	REF (1) P 10-6 (FIG.8)	TYPE TEST			
ELEVATION: +15 FT.				3.11.1	P 4-12				
FLOOD LEVEL EL: 0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/R	-	-	-	-			
COORDINATES: S	INDEX FOR INCONSISTENCY!								
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-2								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED								REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO: QTR 105 REV 1.	CHECKER :SKS 07/30/82 DATE
									SYSTEM: SAMPLING
									QDEF SHEET NO.-0843

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAMPLING	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 10-14 FIG.3	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH	TEMPERATURE	269 F PEAK	346 F PEAK	LOCA PROFILE	REF (1) P 10-58&14 FIG.3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189 90051 REF(1)P 4-3
PLANT NUMBER: 2SL-F1502 A/B	PRESSURE	44 PSIG PEAK	70 PSIG PEAK	LOCA PROFILE	REF (1) P 10-58&14 FIG.3	TYPE TEST		
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF (1) P 10-9 PARA 2	TYPE TEST		
MODEL AND SERIAL NUMBER: EA 180-21302	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON 1750 TO 2150 PPM	PH 10-11 SPRAY COMP OF H3BO3 + NAOH	FSAR TABLE 3.11-1	REF (1) P 10-9 PARA 2	TYPE TEST		
SERVICE DESCRIPTION: CONTAINMENT ISOL. VALVE	RADIATION	33 M RADS	204 M RADS	RAD MAPS ZONE: CC DWG NO: G-145	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
FUNCTION: A.M.	AGING	40 YEARS + 1 YEAR ACCIDENT	400 HRS AT 248F EQUIV TO 6 YRS AT 120F	FSAR SEC 3.11.1	REF (1) P 10-6 (FIG.8) P 4-12	TYPE TEST		
ACCURACY SPECIFIED: N/A	SUBMERGENCE	N/R	-	-	-	-		
ACCURACY DEMONS.: N/A	INDEX FOR INCONSISTENCY!							
LOCATION: CONT BUILDING ELEVATION: +10 FT.	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
FLOOD LEVEL EL: +0.5 FEET	ANALYSIS M-2			REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO.QTR 105 REV.1				PREPARER:BM 07/30/82 DATE
ABOVE FLOOD LEVEL: YES	EQUIPMENT EXEMPT FROM QUALIFICATION:NO			CHECKER :SKS 07/30/82 DATE				SYSTEM: SAMPLING
COORDINATES: S-W	QUALIF STATUS: QUALIFIED			REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO.QTR 105 REV.1				QDEF SHEET NO.-0844

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: SAMPLING	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE	REF. (1) P 10-14 FIG.3	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE IS: 5 YEARS
PLANT NUMBER: 25L-F1503A/B	TEMPERATURE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF. (1) P 10-5&14 FIG.3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3
MANUFACTURER: NAMCO	PRESSURE	44PSIG PEAK	70 PSIG PEAK	LOCA PROFILE	REF. (1) P 10-5&14 FIG.3	TYPE TEST		
MODEL AND SERIAL NUMBER: EA 180-21302	RELATIVE HUMIDITY	100 %	100%	FSAR TABLE	REF. (1) P 10-9	TYPE TEST		
SERVICE DESCRIPTION: CONTAINMENT ISO VALVE				3.11-1	PARA 2			
FUNCTION: AM	CHEMICAL SPRAY	PH-5.0 TO 9.0 BORON 1750 TO 2150 PPM	PH10 TO 11 SPRAY COMP OF H3BO3 + NAOH	FSAR TABLE	REF. (1) P 10-9	TYPE TEST		
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	204 M RADS	RADIATION MAPS	REF. (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A				ZONE -CC	DWG: G-145			
LOCATION: CONT BUILDING ELEVATION: 10 FT.	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	400 HRS AT 248F EQUIV TO 6 YRS AT 120 F	FSAR SEC	REF (1) P 10-6 (FIG.8)	TYPE TEST		
FLOOD LEVEL EL: 0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/R	-	-	-	-		
COORDINATES: S-W	INDEX FOR INCONSISTENCY!			ANALYSIS IN WORKFILE (IF REQUIRED)		OTHER EQUIPMENT THIS QDEF APPLIES TO:		REVISION NO. -01
ENVIRON'T IS HARSH	ANALYSIS M-2			D	T	P	H	PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO				C	R	A	S	CHECKER : SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED				REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO. QTR 105 REV 1				SYSTEM: SAMPLING
								QDEF SHEET NO.-0845

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAMPLING	OPERATING TIME	!!120 DAYS	!30 DAYS !IN LOCA	! FSAR ! TABLE	! REF (1) ! P 3-2	! TYPE ! TEST +	! YES	! QUALIFIED ! LIFE IS: ! 4 YEARS
COMPONENT: SOLENOID		!!	!ENV	! 3.11-2	! SEC 3.2.7	! ENG ! EVAL	!	!
PLANT NUMBER: 2SL-F601	TEMPERATURE	!!414 F !!PEAK	!448 F !PEAK	! COMPOSITE ! LOCA-MSLB ! PROFILE	! REF (2) ! APP.A ! FIG.4.1	! TYPE ! TEST	!	! MAINTENANCE / ! REPLACEMENT SCHED: ! 4 YRS COMPS. ! REPLACEMENT ! REF(1)APP.I ! SEC.3.2.3.13
MANUFACTURER: ASCO	PRESSURE	!!44 PSIG !!PEAK	!68 PSIG !PEAK	! COMPOSITE ! LOCA-MSLB ! PROFILE	! REF (2) ! APP.A ! FIG.4.1	! TYPE ! TEST	!	!
MODEL AND SERIAL NUMBER: NP 8321A1E	RELATIVE HUMIDITY	!!100%	!100%	! FSAR ! TABLE	! REF (1) ! P 4-4	! TYPE ! TEST	!	!
SERVICE DESCRIPTION: ISOL. VALVE		!!	!	! 3.11-1	! SEC 4.7	!	!	!
FUNCTION: A.M.	CHEMICAL SPRAY	!!PH 5.0 TO !!9.0 BORON !!1750 TO !!2150 PPM	!PH 9.5 TO !10.5 !BORON !3000 PPM	! FSAR ! TABLE ! 3.11-1	! REF (1) ! P 4-4 ! SEC 4.7	! TYPE ! TEST	!	!
ACCURACY SPECIFIED: N/A	RADIATION	!!33 M RADS	!204 M RADS	! RAD MAPS ! ZONE: CC ! DWG NO: ! G-145	! REF (1) ! P 4-6 ! SEC 4.6	! TYPE ! TEST	!	! EBASCO FILE NO: ! EQ-ME-4
ACCURACY DEMONS.: N/A	AGING	!!40 YEARS !!+ 1 YEAR	!268F FOR !12 DYS EQ	! FSAR ! SEC	! REF (1) ! APP.A	! TYPE ! TEST	!	!
LOCATION: CONT BUILDING ELEVATION: +10 FT.	ACCIDENT	!!	!TO 4.4 YRS !AT 140F	! 3.11.1	! P 9-3&4	!	!	!
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	!!N/R	!-	! -	! -	! -	!	!
ABOVE FLOOD LEVEL: YES		!!	!	!	!	!	!	!
COORDINATES: S	! INDEX FOR INCONSISTENCY!							!
ENVIRON'T IS HARSH	! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	! (IF REQUIRED)							!
QUALIF STATUS: QUALIFIED	! ANALYSIS M-1 O! ! T! ! P! ! H! ! C! ! R! ! A! ! S!							!
	REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV.A JULY 1979 (2) ASCO TEST REPORT # AQR-67368/REV.O MARCH 1982							!
	! REVISION NO. -01							!
	! PREPARER: BM 07/30/82							!
	! DATE							!
	! CHECKER : SKS 07/30/82							!
	! DATE							!
	! SYSTEM: SAMPLING							!
	! QDEF SHEET NO. -0847							!

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAMPLING	OPERATING TIME	120 DAYS	TEST DURATION: 30 DAYS	FSAR TABLE 3.11-2	REF (1) P 10-14 FIG.3	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH	TEMPERATURE	269 F PEAK	346 F PEAK	LOCA PROFILE	REF (1) P 10-5&14 FIG.3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3
PLANT NUMBER: 2SL-F603	PRESSURE	44 PSIG PEAK	70 PSIG PEAK	LOCA PROFILE	REF (1) P 10-5&14 FIG.3	TYPE TEST		
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF (1) P 10-9 PARA 2	TYPE TEST		
MODEL AND SERIAL NUMBER: EA 180-31302	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON 1750-2150 PPM	PH 10-11 SPRAY COMP OF H3BO3 + INAOH	FSAR TABLE 3.11-1	REF (1) P 10-9 PARA 2	TYPE TEST		
SERVICE DESCRIPTION: CONTAINMENT ISO VALVE	RADIATION	33 M RADS	204 M RADS	RAD MAP ZONE: CC DWG: G - 145	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
FUNCTION: AM	AGING	40 YEARS	400 HRS AT 248F EQUIV TO 6 YRS	FSAR SEC 3.11.1	REF (1) P 10-6 (FIG.8)	TYPE TEST		
ACCURACY SPECIFIED: N/A	SUBMERGENCE	N/R						
ACCURACY DEMONS.: N/A	INDEX FOR INCONSISTENCY!							
LOCATION: CONT BUILDING ELEVATION: 10 FT.	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
FLOOD LEVEL EL: 0.5 FEET ABOVE FLOOD LEVEL: YES	ANALYSIS M-2			REFERENCES: (1)NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO: QTR 105 REV 1.				REVISION NO.-01
COORDINATES: S-E								PREPARER: BM 07/30/82 DATE
ENVIRON'T IS HARSH								CHECKER : SKS 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								SYSTEM: SAMPLING
QUALIF STATUS: QUALIFIED								QDEF SHEET NO.-0848

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAMPLING	OPERATING TIME	120 DAYS	TEST DURATION: 30 DAYS IN LOCA EN	FSAR TABLE	REF (1) P 3-2 SEC 3.2.7	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID									
PLANT NUMBER: 2SL-F603	TEMPERATURE	414 F PEAK	448 F PEAK	COMPOSITE LOCA-MSLB PROFILE	REF (2) APP.A FIG.4.1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS.COMPS. REPLACEMENT REF(1) APP.I SEC.3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	144 PSIG PEAK	168 PSIG PEAK	COMPOSITE LOCA-MSLB PROFILE	REF (2) APP.A FIG.4.1	TYPE TEST			
MODEL AND SERIAL NUMBER: NP8321A1E	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	REF (1) P 4-4 SEC 4.7	TYPE TEST			
SERVICE DESCRIPTION: CONTAINMENT ISO VALVE	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON 1750-2150 PPM	PH 9.5 TO 10.5 BORON 3000 PPM	FSAR TABLE	REF (1) P 4-4 SEC 4.7	TYPE TEST			
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	200 M RADS	RAD MAP ZONE: CC DWG: G - 145	REF (1) P 4-4 SEC.4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A									
LOCATION: CONT BUILDING ELEVATION: 10 FT.	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	268F FDR 12 DYS EQV TO 4.4 YRS AT 140F	FSAR SEC 3.11.1	REF (1) APP.A P9-384	TYPE TEST			
FLOOD LEVEL EL: 0.5 FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: YES									
COORDINATES: S-E	INDEX FOR INCONSISTENCY!								
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	ANALYSIS M-1								PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED								REFERENCES: (1) ASCO TEST REPORT # AQS21678/TR REV A JULY 1979 (2) ASCO TEST REPORT # AQR-67368/REV.O MARCH 1982	CHECKER :SKS 07/30/82 DATE
									SYSTEM: SAMPLING
									QDEF SHEET NO.-0849

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	WASTE MANAGEMENT	! OPERATING TIME	!! 120 DAYS	! 30 DAYS IN LOCA ENV	! FSAR TABLE 3.11-2	! REF (1) P 3-2 SEC 3.2.7	! TYPE TEST + ENG EVAL	! YES	! QUALIFIED LIFE IS: 4 YEARS
COMPONENT:	SOLENOID	!	!!	!	!	!	!	!	!
PLANT NUMBER:	2WM-F104A/B	! TEMPERATURE	!! 414 DEGF PEAK	! 450 DEGF PEAK	! COMPOSITE LOCA-MSLB PROFILE	! REF (2) APP.A FIG.4.2	! TYPE TEST	!	! MAINTENANCE / REPLACEMENT SCHED: 4 YRS COMPS REPLACEMENT REF(1) APP I SEC 3.2.3.13
MANUFACTURER:	ASCO	! PRESSURE	!! 44 PSIG PEAK	! 86 PSIG PEAK	! COMPOSITE LOCA-MSLB PROFILE	! REF (2) APP.A FIG.4.2	! TYPE TEST	!	!
MODEL AND SERIAL NUMBER:	NP 831655E	! RELATIVE HUMIDITY	!! 100 %	! 100%	! FSAR TABLE 3.11-1	! REF (1) P 4-4 SEC 4.7	! TYPE TEST	!	!
SERVICE DESCRIPTION:	CONT SUMP PUMPS ISOLATION VALVE	!	!!	!	!	!	!	!	!
FUNCTION:	ACCIDENT MITIGATION	! CHEMICAL SPRAY	!! PH 5.0 TO 9.0 BORON 1750-2150 PPM	! PH 9.5 TO 10.5 BORON 3000 PPM	! FSAR TABLE 3.11-1	! REF (1) P 4-4 SEC 4.7	! TYPE TEST	!	!
ACCURACY SPECIFIED:	N/A	! RADIATION	!! 33 M RADS	! 200 MRADS	! RADIATION MAPS ZONE -CC DWG G-145	! REF (1) P 4-4 SEC 4.6	! TYPE TEST	!	! EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.:	N/A	!	!!	!	!	!	!	!	!
LOCATION:	CONT BUILDING	! AGING	!! 40 YRS + 1 YR	! 268 F FOR 12 DAYS EQ TO 4.4 YRS	! FSAR SEC 3.11.1	! REF (1) APP A P 9-3 & 4	! TYPE TEST	!	!
ELEVATION:	+5 FT.	!	!! POST DBA	! AT 140F	!	!	!	!	!
FLOOD LEVEL EL:	0.5 FEET	! SUBMERGENCE	!! N/R	! -	!	!	!	!	!
ABOVE FLOOD LEVEL:	YES	!	!!	!	!	!	!	!	!
COORDINATES:	S-E	! INDEX FOR INCONSISTENCY!							!
ENVIRON'T IS HARSH		! ANALYSIS IN WORKFILE (IF REQUIRED)							!
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		! ANALYSIS M-1							!
QUALIF STATUS: QUALIFIED		O! T! P! H! C! R! A! S!							!
		OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
		REFERENCES: (1) ASCO TEST REPORT #AQS21678/TR REV A JULY 1979 (2) ASCO TEST REPORT # AQR-67368/REV.0 MARCH 1982							!
		! REVISION NO.-01							!
		! PREPARER: BM 07/30/82							!
		! DATE							!
		! CHECKER: SKS 07/30/82							!
		! DATE							!
		! SYSTEM: WASTE MANAGEMENT							!
		! QDEF SHEET NO.-0850							!

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:									
COMPONENT: FOR FUTURE	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:	
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!	DELETED, THIS SHEET INTENTIONALLY LEFT BLANK	
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!		
SERVICE DESCRIPTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
FUNCTION:	RADIATION	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	AGING	!!	!	!	!	!	!		
ACCURACY DEMONS.:									
LOCATION: BUILDING ELEVATION: FT.									
FLOOD LEVEL EL: FEET ABOVE FLOOD LEVEL:	SUBMERGENCE	!!	!	!	!	!	!		
COORDINATES:	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO. - 0
ENVIRON'T IS									PREPARER: 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:									CHECKER: 07/30/82 DATE
QUALIF STATUS:	REFERENCES:								SYSTEM:
									QDEF SHEET NO. -0851

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	OPERATING TIME							QUALIFIED LIFE IS:
COMPONENT: FOR FUTURE								
PLANT NUMBER: RESERVED	TEMPERATURE							MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: USE	PRESSURE							
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY							DELETED THIS SHEET INTENTIONALLY LEFT BLANK
SERVICE DESCRIPTION:	CHEMICAL SPRAY							
FUNCTION:	RADIATION							
ACCURACY SPECIFIED:	AGING							
ACCURACY DEMONS.:								
LOCATION: BUILDING								
ELEVATION: FT.								
FLOOD LEVEL EL: FEET	SUBMERGENCE							
ABOVE FLOOD LEVEL:								
COORDINATES:	!INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: ! (IF REQUIRED) !						! REVISION NO. - 0	
ENVIRON'T IS								! PREPARER: 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:								! DATE
QUALIF STATUS:								! CHECKER : 07/30/82
								! DATE
								! SYSTEM:
								! QDEF SHEET NO. -0852

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:									
COMPONENT: FOR FUTURE	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:	
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!	DELETED, THIS SHEET INTENTIONALLY LEFT BLANK	
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!		
SERVICE DESCRIPTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
FUNCTION:		!!	!	!	!	!	!		
ACCURACY SPECIFIED:	RADIATION	!!	!	!	!	!	!		
ACCURACY DEMONS.:		!!	!	!	!	!	!		
LOCATION: BUILDING	AGING	!!	!	!	!	!	!		
ELEVATION: FT.		!!	!	!	!	!	!		
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!		
COORDINATES:	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: ! (IF REQUIRED) !						!	!	
ENVIRON'T IS								REVISION NO. - 0	
EQUIPMENT EXEMPT FROM QUALIFICATION:			O!					PREPARER: 07/30/82	
QUALIF STATUS:			T!					DATE	
			P!					CHECKER : 07/30/82	
			H!					DATE	
			C!						
			R!					SYSTEM:	
			A!						
			S!					QDEF SHEET NO.-0853	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:									
COMPONENT: FOR FUTURE	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:	
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!	DELETED THIS SHEET INTENTIONALLY LEFT BLANK	
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!		
SERVICE DESCRIPTION:		!!	!	!	!	!	!		
FUNCTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	RADIATION	!!	!	!	!	!	!		
ACCURACY DEMONS.:		!!	!	!	!	!	!		
LOCATION: BUILDING	AGING	!!	!	!	!	!	!		
ELEVATION: FT.		!!	!	!	!	!	!		
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!		
COORDINATES:	! INDEX FOR INCONSISTENCY !								
ENVIRON'T IS	! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:								! REVISION NO. - 0
EQUIPMENT EXEMPT FROM QUALIFICATION:	! (IF REQUIRED) !								! PREPARER: 07/30/82
QUALIF STATUS:	O! T! P! H! C! R! A! S!								! DATE
	REFERENCES:								! CHECKER : 07/30/82
									! DATE
									! SYSTEM:
									! QDEF SHEET NO. -0854

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:									
COMPONENT: FOR FUTURE	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:	
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!	DELETED THIS SHEET INTENTIONALLY LEFT BLANK	
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!		
SERVICE DESCRIPTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
FUNCTION:	RADIATION	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	AGING	!!	!	!	!	!	!		
ACCURACY DEMONS.:		!!	!	!	!	!	!		
LOCATION: BUILDING		!!	!	!	!	!	!		
ELEVATION: FT.		!!	!	!	!	!	!		
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!		
COORDINATES:	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE! OTHER EQUIPMENT THIS QDEF APPLIES TO: (IF REQUIRED)								REVISION NO. - 0
ENVIRON'T IS								PREPARER: 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION:								DATE	
QUALIF STATUS:								CHECKER : 07/30/82	
								DATE	
								SYSTEM:	
								QDEF SHEET NO. -0855	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:								
COMPONENT: FOR FUTURE	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!	
MODEL AND SERIAL NUMBER:		!!	!	!	!	!	!	DELETED, THIS SHEET INTENTIONALLY LEFT BLANK
SERVICE DESCRIPTION:	RELATIVE HUMIDITY	!!	!	!	!	!	!	
FUNCTION:	CHEMICAL SPRAY	!!	!	!	!	!	!	
ACCURACY SPECIFIED:	RADIATION	!!	!	!	!	!	!	
ACCURACY DEMONS.:		!!	!	!	!	!	!	
LOCATION: BUILDING ELEVATION: FT.	AGING	!!	!	!	!	!	!	
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!	
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!	
COORDINATES:	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS								REVISION NO. - 0
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS:			O! T! P! H! C! R! A! S!	REFERENCES:				PREPARER: 07/30/82 DATE CHECKER: 07/30/82 DATE SYSTEM:
								QDEF SHEET NO.-0856

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: AUX FW PUMP, ROOMS AIR COND	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TEST		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: FAN MOTOR					PG-10 OF WCAP-9112			
PLANT NUMBER: AH-17(3A-SA)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-137	SEC.2.10.7 (PG-9) OF WCAP-9112	TEST		MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SECT.2.6.2 (PG-3) OF WCAP-9112	TEST		(1) TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUTDOWN MODE OF OPERATION.
MODEL AND SERIAL NUMBER: TEFC FRAME 182T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC.2.10.7 (PG-9) OF WCAP-9112	TEST		(2) EBASCO FILE # EQ-HV-1
SERVICE DESCRIPTION: SERVING UNIT AH-17(3A-SA)	CHEMICAL SPRAY	N/R						
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	1800,000 RADS	200 MRADS	RADIATION ZONE C DWG. G-137	APPENDIX B OF WCAP-9112			
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING ELEVATION: -35 FT.	AGING	N/R						
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL:								
COORDINATES: J & 5A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: EAB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER: HSP 07/30/82 DATE
QUALIF STATUS: QUALIFIED								REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IIE MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)
								SYSTEM: AUX FW PUMP, ROOMS AIR COND QDEF SHEET NO.-0857

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:									
COMPONENT: RESERVED FOR	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:	
PLANT NUMBER:	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
FUTURE		!!	!	!	!	!	!		
MANUFACTURER:	PRESSURE	!!	!	!	!	!	!		
USE		!!	!	!	!	!	!		
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!		
SERVICE DESCRIPTION:		!!	!	!	!	!	!		
FUNCTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	RADIATION	!!	!	!	!	!	!		
ACCURACY DEMONS.:		!!	!	!	!	!	!		
LOCATION: BUILDING	AGING	!!	!	!	!	!	!		
ELEVATION: FT.		!!	!	!	!	!	!		
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!		
COORDINATES:	!! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -00
EQUIPMENT EXEMPT FROM QUALIFICATION:	REFERENCES:								PREPARER: 07/30/82 DATE
QUALIF STATUS:									CHECKER: 07/30/82 DATE
									SYSTEM:
									QDEF SHEET NO.-0858

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:								
COMPONENT: FOR FUTURE	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS: R ACC
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!	
MODEL AND SERIAL NUMBER:		!!	!	!	!	!	!	
SERVICE DESCRIPTION:	RELATIVE HUMIDITY	!!	!	!	!	!	!	
FUNCTION:	CHEMICAL SPRAY	!!	!	!	!	!	!	
ACCURACY SPECIFIED:	RADIATION	!!	!	!	!	!	!	
ACCURACY DEMONS.:		!!	!	!	!	!	!	
LOCATION: BUILDING	AGING	!!	!	!	!	!	!	
ELEVATION: FT.		!!	!	!	!	!	!	
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!	
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!	
COORDINATES:	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-00
ENVIRON'T IS			O!					PREPARER: 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:			T!					DATE
QUALIF STATUS:			P!					CHECKER : 07/30/82
			H!	REFERENCES:				DATE
			C!					
			R!					SYSTEM:
			A!					
			S!					QDEF SHEET NO.-0859

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:									
COMPONENT:	FOR FUTURE							QUALIFIED LIFE IS: R ACC	
PLANT NUMBER:	RESERVED	TEMPERATURE						MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	USE	PRESSURE							
MODEL AND SERIAL NUMBER:		RELATIVE HUMIDITY							
SERVICF DESCRIPTION:									
FUNCTION:		CHEMICAL SPRAY							
ACCURACY SPECIFIED:		RADIATION							
ACCURACY DEMONS.:									
LOCATION:	BUILDING	AGING							
ELEVATION:	FT.								
FLOOD LEVEL EL:	FEET	SUBMERGENCE							
ABOVE FLOOD LEVEL:									
COORDINATES:		!INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS		(IF REQUIRED)						! REVISION NO. -00	
EQUIPMENT EXEMPT FROM QUALIFICATION:			O!					! PREPARER: 07/30/82	
QUALIF STATUS:			T!					! DATE	
			P!					! CHECKER : 07/30/82	
			H!	REFERENCES:				! DATE	
			C!					! SYSTEM:	
			R!					! QDEF SHEET NO. -0860	
			A!						
			S!						

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SFGD PUMP ROOMS AIR COND	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TEST		QUALIFIED LIFE IS: 40+1 YR ACC	
COMPONENT: FAN MOTOR					PG-10 OF WCAP-9112				
PLANT NUMBER: AH- 2(3B-SB)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-137	SEC. 2.10.7 (PG-9) OF WCAP-9112	TEST		MAINTENANCE / REPLACEMENT SCHED:	
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SECT. 2.6.2 (PG-3) OF WCAP-9112	TEST		(1) TEMPERATURE, PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUTDOWN MODE OF OPERATION.	
MODEL AND SERIAL NUMBER: TEFC FRAME 215T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC. 2.10.7 (PG-3) OF WCAP-9112	TEST		(2) EBASCO FILE # EQ-HV-1	
SERVICE DESCRIPTION: SERVING UNIT AH- 2(3B-SB)	CHEMICAL SPRAY	N/A							
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	4.2 M RADS	200 MRADS	RADIATION MAPS ZONE U DWG. G-137	APPENDIX B OF WCAP-9112	TEST			
ACCURACY DEMONS.: N/A									
LOCATION: AUX BUILDING ELEVATION: -35 FT.	AGING	N/R							
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R							
ABOVE FLOOD LEVEL:									
COORDINATES: L & BA	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
ENVIRON'T IS HARSH									PREPARER: EAB 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:									DATE
QUALIF STATUS: QUALIFIED								REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IE MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)	CHECKER : HSP 07/30/82
									DATE
									SYSTEM: SFGD PUMP ROOMS AIR COND
									QDEF SHEET NO.-0861

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SFGD PUMP ROOMS AIR COND	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: FAN MOTOR					PG-10 OF WCAP-9112			
PLANT NUMBER: AH- 2(3D-SB)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-137	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SECT.2.6.2 (PG-3) OF WCAP-9112	TYPE TEST		
MODEL AND SERIAL NUMBER: TEFC FRAME 215T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUTDOWN MODE OF OPERATION.
SERVICE DESCRIPTION: AH- 3(3D-SB)	CHEMICAL SPRAY	N/R						(2) EBASCO FILE # EQ-HV-1
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	4.2 M RADS	200 MRADS	RADIATION MAPS ZONE U DWG. G-137	APPENDIX B OF WCAP-9112	TYPE TEST		
ACCURACY DEMONS.: N/A	AGING	N/R				TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -35 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL:								
COORDINATES: L & 8A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:	O							PREPARER: EAB 07/30/82
QUALIF STATUS: QUALIFIED	T							DATE
	P							CHECKER :HSP 07/30/82
	H	REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IE MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)						DATE
	C							SYSTEM: SFGD PUMP
	R							ROOMS AIR COND
	A							QDEF SHEET NO.-0862
	S							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: SFGD PUMP ROOMS AIR COND	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC	
COMPONENT: FAN MOTOR					PG-10 OF WCAP-9112				
PLANT NUMBER: AH- 2(3A-SA)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-137	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHER- IC	ATMOSPHER- IC	FSAR TABLE 3.11-1	SECT.2.6.2 (PG-3) OF WCAP-9112	TYPE TEST			
MODEL AND SERIAL NUMBER: TEFC FRAME 215T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		!!(1)TEMPERATURE PRESSURE AND HUM- IDITY ARE NOT CON- SIDERED SIGNIFI- CANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFF- ECTED BY THE ACCI- DENT CONDITION IN- SIDE THE CONTAIN- MENT ANYMORE THAN DURING NORMAL SHUT DOWN MODE OF OPERATION.	
SERVICE DESCRIPTION: SERVING UNIT AH- 2(3A-SA)	CHEMICAL SPRAY	N/R							
ACCURACY SPECIFIED: N/A	RADIATION	4.2 M RADS	200 MRADS	RADIATION MAPS ZONE U DWG. G-137	APPENDIX B OF WCAP-9112	TYPE TEST		!!(2) EBASCO FILE # EQ-HV-1	
ACCURACY DEMONS.: N/A	AGING	N/R							
LOCATION: AUX BUILDING ELEVATION: -35 FT.									
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL:	SUBMER- GENCE	N/R							
COORDINATES: J & 8A	!INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:	D! T! P!								! PREPARER: EAB 07/30/82 ! DATE
QUALIF STATUS: QUALIFIED	H! C! R! A! S!								! CHECKER :HSP 07/30/82 ! DATE
	REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IE MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)								! SYSTEM: SFGD PUMP ! ROOMS AIR COND ! QDEF SHEET NO.-0863

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SFGD PUMP ROOMS AIR COND	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: FAN MOTOR					PG-10 OF WCAP-9112			
PLANT NUMBER: AH- 2(3C-SA)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-137	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SECT.2.6.2 (PG-3) OF WCAP-9112	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUTDOWN MODE OF OPERATION.
MODEL AND SERIAL NUMBER: TEFC FRAME 215T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		(2) EBASCO FILE # EQ-HV-1
SERVICE DESCRIPTION: AH- 2(3C-SA)	CHEMICAL SPRAY	N/R						
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	4.2 M RADS	200 MRADS	RADIATION MAPS ZONE U DWG. G-137	APPENDIX B OF WCAP-9112	TYPE TEST		
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING ELEVATION: -35 FT.	AGING	N/R						
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL:								
COORDINATES: J & 8A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:	O	T	P	H	C	R	A	PREPARER: EAB 07/30/82 DATE
QUALIF STATUS: QUALIFIED	H	C	R	A	S			CHECKER :HSP 07/30/82 DATE
								REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IE MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)
								SYSTEM: SFGD PUMP ROOMS AIR COND QDEF SHEET NO.-0864

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZE.	
SYSTEM:								
COMPONENT:	FOR FUTURE							QUALIFIED LIFE IS:
PLANT NUMBER:	RESERVED	TEMPERATURE						MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	USE	PRESSURE						
MODEL AND SERIAL NUMBER:								
SERVICE DESCRIPTION:		RELATIVE HUMIDITY						
FUNCTION:		CHEMICAL SPRAY						
ACCURACY SPECIFIED:		RADIATION						
ACCURACY DEMONS.:								
LOCATION:	BUILDING	AGING						
ELEVATION:	FT.							
FLOOD LEVEL EL:	FEET	SUBMERGENCE						
ABOVE FLOOD LEVEL:								
COORDINATES:	!INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:						! REVISION NO.-00	
ENVIRON'T IS	! (IF REQUIRED) !						! PREPARER: 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION:	O! T! P! H! C! R! A! S!						! DATE	
QUALIF STATUS:	REFERENCES:						! CHECKER : 07/30/82	
							! DATE	
							! SYSTEM:	
							! QDEF SHEET NO.-0865	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:								
COMPONENT: FOR FUTURE	OPERATING TIME							QUALIFIED LIFE IS: R ACC
PLANT NUMBER: RESERVED	TEMPERATURE							MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: USE	PRESSURE							
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY							
SERVICE DESCRIPTION:	CHEMICAL SPRAY							
FUNCTION:	RADIATION							
ACCURACY SPECIFIED:	AGING							
ACCURACY DEMONS.:								
LOCATION: BUILDING								
ELEVATION: FT.								
FLOOD LEVEL EL: FEET	SUBMERGENCE							
ABOVE FLOOD LEVEL:								
COORDINATES:	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! ! (IF REQUIRED) !			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS								REVISION NO.-00
EQUIPMENT EXEMPT FROM QUALIFICATION:								PREPARER: 07/30/82 DATE
QUALIF STATUS:								CHECKER : 07/30/82 DATE
								SYSTEM:
								QDEF SHEET NO.-0866

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:									
COMPONENT: FOR FUTURE	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS: R ACC	
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!		
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!		
SERVICE DESCRIPTION:		!!	!	!	!	!	!		
FUNCTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	RADIATION	!!	!	!	!	!	!		
ACCURACY DEMONS.:		!!	!	!	!	!	!		
LOCATION: BUILDING	AGING	!!	!	!	!	!	!		
ELEVATION: FT.		!!	!	!	!	!	!		
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!		
COORDINATES:	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: ! (IF REQUIRED) !								! REVISION NO.-00
ENVIRON'T IS			D!					! PREPARER: 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION:			T!					! DATE	
QUALIF STATUS:			P!					! CHECKER : 07/30/82	
			H!	REFERENCES:				! DATE	
			C!					! SYSTEM:	
			R!					!	
			A!					! QDEF SHEET NO.-0867	
			S!						

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS: R ACC	
COMPONENT: FOR FUTURE		!!	!	!	!	!	!		
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!		
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!		
SERVICE DESCRIPTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
FUNCTION:	RADIATION	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	AGING	!!	!	!	!	!	!		
ACCURACY DEMONS.:		!!	!	!	!	!	!		
LOCATION: BUILDING		!!	!	!	!	!	!		
ELEVATION: FT.		!!	!	!	!	!	!		
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!		
COORDINATES:	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:		!
FNVIRO'N'T IS			O!					! REVISION NO. -00	
EQUIPMENT EXEMPT FROM QUALIFICATION:			T!					! PREPARER: 07/30/82	
QUALIF STATUS:			P!					! DATE	
			H!	REFERENCES:				! CHECKER : 07/30/82	
			C!					! DATE	
			R!					! SYSTEM:	
			A!					!	
			S!					! QDEF SHEET NO. -0868	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHRGING PUMPS ROOM AIR COND.	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: FAN MOTOR					PG-10 OF WCAP-9112			
PLANT NUMBER: AH-22(3B-SAB)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-137	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WESTINGHOUSE	PRESSURE			FSAR TABLE 3.11-1	SECT.2.3.2 (PG-3) OF WCAP-9112	TYPE TEST		
MODEL AND SERIAL NUMBER: TEFC FRAME 182T		ATMOSPHERIC	ATMOSPHERIC					(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION.
SERVICE DESCRIPTION: SERVING UNIT AH-22(3B-SAB)	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUT DOWN MODE OF OPERATION.
FUNCTION: AM	CHEMICAL SPRAY	N/R						(2) EBASCO FILE # EQ-HV-1
ACCURACY SPECIFIED: N/A	RADIATION	8.9 MRADS	200 MRADS	RADIATION MAPS ZONE S DWG. G-137	APPENDIX B OF WCAP-9112	TYPE TEST		
ACCURACY DEMONS.: N/A	AGING	N/R				TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -35 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL:								
COORDINATES: J & 3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								
EQUIPMENT EXEMPT FROM QUALIFICATION:								PREPARER: EAB 07/30/82 DATE
QUALIF STATUS: QUALIFIED								CHECKER : HSP 07/30/82 DATE
				REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IE MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)				SYSTEM: CHRGING PUMPS ROOM AIR COND. QDEF SHEET NO.-0869

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	REF (1)	CARR- IER ENGR. EVAL.		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: WATERCHILLER								
PLANT NUMBER: WC-1 (3A-SA)	TEMPERATURE	104 DEGF	104 DEGF	HVAC TEMP MAPS DWG NO: G-134	REF (1) & NOTE (1)			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: CARRIER	PRESSURE	ATMOSPHER- IC	ATMOSPHER- IC	FSAR TABLE 3.11-1	REF (1) & NOTE (1)			(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUTDOWN MODE OF OPERATION.
MODEL AND SERIAL NUMBER: 19FA HERMETIC CENT.LIQ.CHILL	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	REF (1) & NOTE (1)			(2) EBASCO FILE # EQ-HV-8
SERVICE DESCRIPTION: CHILLED WATER SUP TO AH UNITS	CHEMICAL SPRAY	N/R						
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	900,000 RADS	1 MRADS	APP PHYS. MEMO DATED 8/24/81 FR TL YANG	REF (1) & (2)			
ACCURACY DEMONS.: N/A	AGING	N/R						
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL:								
COORDINATES: K & 3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: EAB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER :AKB 07/30/82 DATE
QUALIF STATUS: CONDITIONALLY ACCEPTABLE				REFERENCES: (1) "CARRIER" CERTIFICATE OF COMPLIANCE DATED 3/10/80 (2) "CARRIER" LETTER DATED 10/7/81				SYSTEM: CHILLED WATER
								QDEF SHEET NO.-0870

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	REF (1)	CARRIER ENGR. EVAL.		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: WATERCHILLER								
PLANT NUMBER: WC-1 (3B-SB)	TEMPERATURE	104 DEGF	104 DEGF	HVAC TEMP MAPS DWG NO. G-134	REF (1) & NOTE (1)			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: CARRIER	PRESSURE			FSAR TABLE 3.11-1	REF (1) & NOTE (1)			
MODEL AND SERIAL NUMBER: 19FA HERMETIC CENT. LIQ. CHILL	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	REF (1) & NOTE (1)			(1) TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUTDOWN MODE OF OPERATION.
SERVICE DESCRIPTION: CHILLED WATER SUP TO AH UNITS	CHEMICAL SPRAY	N/R						
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	900,000 RADS	1 MRADS	APP PHYS. MEMO DATED 8/24/81 FR TL YANG	REF (1) & (2)			(2) EBASCO FILE # EQ-HV-B
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING	AGING	N/R						
ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL:								
COORDINATES: K & 3A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:								PREPARER: EAB 07/30/82 DATE
QUALIF STATUS: CONDITIONALLY ACCEPTABLE								CHECKER :AKB 07/30/82 DATE
								SYSTEM: CHILLED WATER
								QDEF SHEET NO.-0871

REFERENCES: (1) "CARRIER" CERTIFICATE OF COMPLIANCE DATED 3/10/80
(2) "CARRIER" LETTER DATED 10/7/81

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	OPERATING	!!	!	!	!	!	!	QUALIFIED
COMPONENT: FOR FUTURE	TIME	!!	!	!	!	!	!	LIFE IS:
		!!	!	!	!	!	!	
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:
		!!	!	!	!	!	!	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!	
		!!	!	!	!	!	!	
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!	
SERVICE DESCRIPTION:		!!	!	!	!	!	!	
FUNCTION:	CHEMICAL SPRAY	!!	!	!	!	!	!	
ACCURACY SPECIFIED:	RADIATION	!!	!	!	!	!	!	
ACCURACY DEMONS.:		!!	!	!	!	!	!	
LOCATION: BUILDING ELEVATION: FT.	AGING	!!	!	!	!	!	!	
		!!	!	!	!	!	!	
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!	
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!	
COORDINATES:	! INDEX FOR INCONSISTENCY!			! OTHER EQUIPMENT THIS QDEF APPLIES TO:		!		!
ENVIRON'T IS	! ANALYSIS IN WORKFILE ! (IF REQUIRED)			!		!		! REVISION NO.-00
EQUIPMENT EXEMPT FROM QUALIFICATION:	!	O!	T!	!		!		! PREPARER: 07/30/82
QUALIF STATUS:	!	P!	H!	! REFERENCES:		!		! DATE
	!	C!	R!	!		!		! CHECKER : 07/30/82
	!	A!	S!	!		!		! DATE
	!			!		!		! SYSTEM:
	!			!		!		! QDEF SHEET NO.-0872

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:									
COMPONENT: FOR FUTURE	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS: R ACC	
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!		
MODEL AND SERIAL NUMBER:		!!	!	!	!	!	!		
SERVICE DESCRIPTION:	RELATIVE HUMIDITY	!!	!	!	!	!	!		
FUNCTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	RADIATION	!!	!	!	!	!	!		
ACCURACY DEMONS.:		!!	!	!	!	!	!		
LOCATION: BUILDING ELEVATION: FT.	AGING	!!	!	!	!	!	!		
FLOOD LEVEL EL: FEET ABOVE FLOOD LEVEL:	SUBMERGENCE	!!	!	!	!	!	!		
COORDINATES:	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								OTHER EQUIPMENT THIS QDEF APPLIES TO:
ENVIRON'T IS			O!					REFERENCES:	
EQUIPMENT EXEMPT FROM QUALIFICATION STATUS:			T!						
			P!						
			H!						
			C!						
			R!						
			A!						
			S!						
								REVISION NO. -00	
								PREPARER: 07/30/82 DATE	
								CHECKER : 07/30/82 DATE	
								SYSTEM:	
								QDEF SHEET NO. -0673	

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TEST		QUALIFIED LIFE IS: 40+1 YR ACC	
COMPONENT: PUMP MOTOR					PG-10 OF WCAP-9112				
PLANT NUMBER: P-1(3C-SA/B)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-134	SEC.2.10.7 (PG-9) OF WCAP-9112	TEST		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SECT.2.6.2 (PG-3) OF WCAP-9112	TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUTDOWN MODE OF OPERATION.	
MODEL AND SERIAL NUMBER: TEFC FRAME 324T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC.2.10.7 (PG-9) OF WCAP-9112	TEST		(2) EBASCO FILE # EQ-HV-1	
SERVICE DESCRIPTION: SERVING CHILLED W. P-1(3C-SA/B)	CHEMICAL SPRAY	N/R							
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	200 MRADS	RADIATION ZONE M DWG. G-134	APPENDIX B OF WCAP-9112	TEST			
ACCURACY DEMONS.: N/A									
LOCATION: AUX BUILDING ELEVATION: +46 FT.	AGING	N/R							
FLOOD LEVEL EL. N/A FEET	SUBMERGENCE	N/R							
ABOVE FLOOD LEVEL:									
COORDINATES: K & 1A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
ENVIRON'T IS HARSH									PREPARER: EAB 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:									DATE
QUALIF STATUS: QUALIFIED								REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS 1E MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)	CHECKER : HSP 07/30/82
									DATE
									SYSTEM: CHILLED WATER
									QDEF SHEET NO.-0874

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: +10+1 YR ACC	
COMPONENT: PUMP MOTOR					PG-10 OF WCAP-9112				
PLANT NUMBER: P-1(3B-SB)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SECT.2.6.2 (PG-3) OF WCAP-9112	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUT DOWN MODE OF OPERATION.	
MODEL AND SERIAL NUMBER: TEFC FRAME 324T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		(2) EBASCO FILE # EQ-HV-1	
SERVICE DESCRIPTION: SERVING CHILLED WTR P-1(3B-SB)	CHEMICAL SPRAY	N/R							
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	200 MRADS	RADIATION MAPS ZONE M	APPENDIX B OF WCAP-9112	TYPE TEST			
ACCURACY DEMONS.: N/A	AGING	N/R							
LOCATION: AUX BUILDING ELEVATION: +46 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R							
ABOVE FLOOD LEVEL:									
COORDINATES: K & 2A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
ENVIRON'T IS HARSH									
EQUIPMENT EXEMPT FROM QUALIFICATION:									
QUALIF STATUS: QUALIFIED									
				REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IE MEDIL'M A.C. MOTORS (OUTSIDE CONTAINMENT)				PREPARER: EAB 07/30/82 DATE CHECKER :HSP 07/30/82 DATE SYSTEM: CHILLED WATER QDEF SHEET NO.-0875	

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: AUX FW PUMP, ROOMS AIR COND	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC	
COMPONENT: FAN MOTOR					PG-10 OF WCAP-9112				
PLANT NUMBER: E-17(3A-SA)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-134	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SECT.2.6.2 (PG-3) OF WCAP-9112	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUTDOWN MODE OF OPERATION.	
MODEL AND SERIAL NUMBER: TEFC FRAME 445T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		(2) EBASCO FILE # EQ-HV-1	
SERVICE DESCRIPTION: SERVING UNIT E-17(3A-SA)	CHEMICAL SPRAY	N/R							
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	200 MRADS	RADIATION ZONE M DWG. G-134	APPENDIX B OF WCAP-9112	TYPE TEST			
ACCURACY DEMONS.: N/A									
LOCATION: AUX BUILDING ELEVATION: +46 FT.	AGING	N/R							
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R							
ABOVE FLOOD LEVEL:									
COORDINATES: L & 4A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH									REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:									PREPARER: EAB 07/30/82 DATE
QUALIF STATUS: QUALIFIED								REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS I E MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)	CHECKER :HSP 07/30/82 DATE
									SYSTEM:AUX FW PUMP, ROOMS AIR COND
									QDEF SHEET NO.-0876

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: AUX FW PUMP, ROOMS AIR COND	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: FAN MOTOR					PG-10 OF WCAP-9112			
PLANT NUMBER: E-17(3B-SB)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-134	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SECT.2.6.2 (PG-3) OF WCAP-9112	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUT DOWN MODE OF OPERATION.
MODEL AND SERIAL NUMBER: TEFC FRAME 445T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		
SERVICE DESCRIPTION: SERVING UNIT E-17(3B-SB)	CHEMICAL SPRAY	N/R						
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	200 MRADS	RADIATION MAPS ZONE M DWG. G-134	APPENDIX B OF WCAP-9112	TYPE TEST		(2) EBASCO FILE # EQ-HV-1
ACCURACY DEMONS.: N/A	AGING	N/R						
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL:	SUBMERGENCE	N/R						
COORDINATES: L & 6A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: EAB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER :HSP 07/30/82 DATE
QUALIF STATUS: QUALIFIED								SYSTEM:AUX FW PUMP, ROOMS AIR COND QDEF SHEET NO.-0877
				REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IE MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)				

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:								
COMPONENT: FOR FUTURE	OPERATING TIME	!!	!!	!!	!!	!!	!!	QUALIFIED LIFE IS:
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!!	!!	!!	!!	!!	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: USE	PRESSURE	!!	!!	!!	!!	!!	!!	
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!!	!!	!!	!!	!!	
SERVICE DESCRIPTION:	CHEMICAL SPRAY	!!	!!	!!	!!	!!	!!	
FUNCTION:	RADIATION	!!	!!	!!	!!	!!	!!	
ACCURACY SPECIFIED:	AGING	!!	!!	!!	!!	!!	!!	
ACCURACY DEMONS.:								
LOCATION: BUILDING								
ELEVATION: FT.								
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!!	!!	!!	!!	!!	
ABOVE FLOOD LEVEL:								
COORDINATES:	! INDEX FOR INCONSISTENCY !							
ENVIRON'T IS	! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							
EQUIPMENT EXEMPT FROM QUALIFICATION:	! (IF REQUIRED) !							! REVISION NO.-00
QUALIF STATUS:	O !							! PREPARER: 07/30/82
	T !							! DATE
	P !							! CHECKER : 07/30/82
	H !							! DATE
	C !							! SYSTEM:
	R !							! QDEF SHEET NO.-0878
	A !							
	S !							
	REFERENCES:							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:									
COMPONENT: FOR FUTURE	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS: R ACC	
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!		
MODEL AND SERIAL NUMBER:		!!	!	!	!	!	!		
SERVICE DESCRIPTION:	RELATIVE HUMIDITY	!!	!	!	!	!	!		
FUNCTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	RADIATION	!!	!	!	!	!	!		
ACCURACY DEMONS:		!!	!	!	!	!	!		
LOCATION: BUILDING ELEVATION: FT.	AGING	!!	!	!	!	!	!		
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!		
COORDINATES:	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: (IF REQUIRED) !								
ENVIRON'T IS								REVISION NO.-00	
EQUIPMENT EXEMPT FROM QUALIFICATION:			O!					PREPARER: 07/30/82 DATE	
QUALIF STATUS:			T!					CHECKER : 07/30/82 DATE	
			P!						
			H!	REFERENCES:					
			C!						
			R!					SYSTEM:	
			A!						
			S!					QDEF SHEET NO.-0879	

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:									
COMPONENT: FOR FUTURE	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS: R ACC	
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!		
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!		
SERVICE DESCRIPTION:		!!	!	!	!	!	!		
FUNCTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	RADIATION	!!	!	!	!	!	!		
ACCURACY DEMONS.:		!!	!	!	!	!	!		
LOCATION: BUILDING	AGING	!!	!	!	!	!	!		
ELEVATION: FT.		!!	!	!	!	!	!		
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!		
COORDINATES:	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: ! (IF REQUIRED) !						!	!	!
ENVIRON'T IS								! REVISION NO. -00	
EQUIPMENT EXEMPT FROM QUALIFICATION:			O!					! PREPARER: 07/30/82	
QUALIF STATUS:			T!					! DATE	
			P!					! CHECKER : 07/30/82	
			H!	REFERENCES:				! DATE	
			C!					!	
			R!					! SYSTEM:	
			A!					!	
			S!					! QDEF SHEET NO. -0880	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS: R ACC
COMPONENT: FOR FUTURE		!!	!	!	!	!	!	
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!	
MODEL AND SERIAL NUMBER:		!!	!	!	!	!	!	
SERVICE DESCRIPTION:	RELATIVE HUMIDITY	!!	!	!	!	!	!	
FUNCTION:	CHEMICAL SPRAY	!!	!	!	!	!	!	
ACCURACY SPECIFIED:	RADIATION	!!	!	!	!	!	!	
ACCURACY DEMONS.:		!!	!	!	!	!	!	
LOCATION: BUILDING	AGING	!!	!	!	!	!	!	
ELEVATION: FT.		!!	!	!	!	!	!	
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!	
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!	
COORDINATES:	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: ! (IF REQUIRED) !							!
ENVIRON'T IS			O!					! REVISION NO.-00
EQUIPMENT EXEMPT FROM QUALIFICATION:			T!					! PREPARER: 07/30/82
QUALIF STATUS:			P!					! DATE
			H!	REFERENCES:				! CHECKER : 07/30/82
			C!					! DATE
			R!					! SYSTEM:
			A!					!
			S!					! QDEF SHEET NO.-0881

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: 40+1 ACC
COMPONENT: FAN MOTOR					PG-10 OF WCAP-9112			
PLANT NUMBER: AH-13(3A-SA)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-134	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHER- IC	ATMOSPHER- IC	FSAR TABLE 3.11-1	SECT.2.6.2 (PG-3) OF WCAP-9112	TYPE TEST		((1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUTDOWN MODE OF OPERATION. ((2) EBASCO FILE # EQ-HV-1
MODEL AND SERIAL NUMBER: TEFC FRAME 326T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		
SERVICE DESCRIPTION: SERVING UNIT AH-13(3A-SA)	CHEMICAL SPRAY	N/R						
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	200 MRADS	RADIATION MAPS ZONE M DWG. G-134	APPENDIX B OF WCAP-9112	TYPE TEST		
ACCURACY DEMONS.: N/A	AGING	N/R						
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL:	SUBMERGENCE	N/R						
COORDINATES: J & 1A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE! OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS HARSH	(IF REQUIRED)							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:								PREPARER: EAB 07/30/82 DATE
QUALIF STATUS: QUALIFIED								CHECKER :HSP 07/30/82 DATE
	REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IE MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)							SYSTEM:H & V EQUIP. ROOM VENTIL'TN QDEF SHEET NO.-0882

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: FAN MOTOR					PG-10 OF WCAP-9112			
PLANT NUMBER: AH-13(3B-SB)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WESTINGHOUSE	PRESSURE	IC	10	FSAR TABLE 3.11-1	SECT.2.6.2 (PG-3) OF WCAP-9112	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUTDOWN MODE OF OPERATION.
MODEL AND SERIAL NUMBER: TEFC FRAME 326T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		(2) EBASCO FILE # EQ-HV-1
SERVICE DESCRIPTION: SERVING UNIT AH-13(3B-SB)	CHEMICAL SPRAY	N/R						
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	200 MRADS	RADIATION MAPS	APPENDIX B OF WCAP-9112	TYPE TEST		
ACCURACY DEMONS.: N/A	AGING	N/R						
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL:	SUBMERGENCE	N/R						
COORDINATES: J & 2A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
ENVIRON'T IS HARSH								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:								PREPARER: EAB 07/30/82 DATE
QUALIF STATUS: QUALIFIED								CHECKER: HSP 07/30/82 DATE
	REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IIE MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)							SYSTEM: H & V EQUIP. ROOM VENTIL'TN QDEF SHEET NO.-0883

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTAINMENT COOLING	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	PG 16 OF REPORT NO. X 604	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: FAN MOTOR								
PLANT NUMBER: AH-1(3A-SA)	TEMPERATURE	269 DEGF LOCA PEAK	330 DEGF PEAK	FSAR TABLE 3.11-1	PG 16 OF REPORT NO. X 604	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: RELIANCE	PRESSURE	44 PSIG	178-8 HRS	FSAR TABLE 3.11-1	PG 16 OF REPORT NO. X 604	TYPE TEST		(1)TESTED LOCA PROFILE AS FOLLOWS
MODEL AND SERIAL NUMBER: TEAO,FRAME 449 T			170-7 HRS 125-4 DYS 117-1 YRS					315 DEGF-4 HRS 330 DEGF-4 HRS 320 DEGF-3 HRS 300 DEGF-4 HRS 250 DEGF-1 YEAR
SERVICE DESCRIPTION: SERVING UNIT AH-1(3A-SA)	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	PG 2 OF REPORT NO. X 604	TYPE TEST		+40 DAYS
FUNCTION: AM	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON 1750 TO 2150 PPM	PH 10.5 BORON 3000 PPM	FSAR TABLE 3.11-1	APPENDIX A PG 8 OF REPORT X 604	TYPE TEST		
ACCURACY SPECIFIED: N/A	RADIATION	33 MRADS	300 MRADS	RADIATION MAPS ZONE:CC DWG G-144	APPENDIX F PG 5 OF REPORT X 604	TYPE TEST + ENG. EVAL.	YES	(2) EBASCO FILE # EQ-HV-3
ACCURACY DEMONS.: N/A	AGING	40 YEARS	108 HRS @ 416 F	FSAR SECT 3.11.1	PG 5&6 OF REPORT NO. X 604	TYPE TEST + ENG. EVAL.	YES	
LOCATION: CONT. BUILDING ELEVATION: +21.0 FT.								
FLOOD LEVEL EL: +.47 FEET	SUBMERGENCE	NOT REQUIRED						
ABOVE FLOOD LEVEL: YES								
COORDINATES: AZ.23 DEG	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:								REVISION NO.-01
QUALIF STATUS: QUALIFIED								PREPARER: EAB 07/30/82
								DATE
								CHECKER :AKB 07/30/82
								DATE
	REFERENCES: (1)JOY MANUFACTURING CO. QUALIFICATION REPORT X-604, REVISION 2,DATED MARCH 20,1980 (JOY FAN AND RELIANCE MOTOR)							SYSTEM:CONTAINMENT COOLING
	ANALYSIS H01							
	ANALYSIS W06							
								QDEF SHEET NO.-0884

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTAINMENT COOLING	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	PG 16 OF REPORT NO. X 604	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: FAN MOTOR								
PLANT NUMBER: AH-1(3D-SB)	TEMPERATURE	269 DEGF LOCA PEAK	330 DEGF PEAK	FSAR TABLE 3.11-1	PG 16 OF REPORT NO. X 604	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: RELIANCE	PRESSURE	144 PSIG	78-8 HRS	FSAR TABLE 3.11-1	PG 16 OF REPORT NO. X 604	TYPE TEST		
MODEL AND SERIAL NUMBER: TEAC FRAME 449 T	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	PG 2 OF REPORT NO. X 604	TYPE TEST		(1)TESTED LOCA PROFILE AS FOLLOWS 315 DEGF-4 HRS 330 DEGF-4 HRS 320 DEGF-3 HRS 300 DEGF-4 HRS 250 DEGF-1 YEAR +40 DAYS
SERVICE DESCRIPTION: SERVING UNIT AH-1(3D-SB)								
FUNCTION: AM	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON 1750 TO 2150 PPM	PH 10.5 BORON 3000 PPM	FSAR TABLE 3.11-1	APPENDIX A PG 8 OF REPORT X 604	TYPE TEST		
ACCURACY SPECIFIED: N/A	RADIATION	33 MRADS	300 MRADS	RADIATION MAPS ZONE:CC DWG G-145	APPENDIX F PG 5 OF REPORT X 604	TYPE TEST + ENG. EVAL.	YES	(2) EBASCO FILE # EQ-HV-3
ACCURACY DEMONS.: N/A	AGING	40 YEARS	108 HRS @ 416 F	FSAR SECT 3.11.1	PG 5&6 OF REPORT NO. X 604	TYPE TEST + ENG. EVAL.	YES	
LOCATION: CONT. BUILDING ELEVATION: -4.0 FT.								
FLOOD LEVEL EL: +.47 FEET	SUBMERGENCE	NOT REQUIRED						
ABOVE FLOOD LEVEL: N/A								
COORDINATES: AZ.337 DEG	INDEX FOR INCONSISTENCY!			ANALYSIS IN WORKFILE (IF REQUIRED)		OTHER EQUIPMENT THIS QDEF APPLIES TO:		REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: EAB 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:								DATE
QUALIF STATUS: QUALIFIED								CHECKER :AKB 07/30/82
								DATE
	ANALYSIS H01							SYSTEM: CONTAINMENT COOLING
	ANALYSIS W06							QDEF SHEET NO.-0885
					REFERENCES: (1)JOY MANUFACTURING CO. QUALIFICATION REPORT X-604, REVISION 2, DATED MARCH 20, 1980 (JOY FAN AND RELIANCE MOTOR)			

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	1 HOUR	2 HOURS	FSAR TABLE 3.11-2	SECTION 5.5.2 OF REF (1)	TYPE TEST + ENGR. EVAL.	YES	QUALIFIED LIFE IS: 2 YRS.
COMPONENT: HYDRAMOTOR OPERATOR								
PLANT NUMBER: LD-1(SA)	TEMPERATURE	104 DEGF	185-100DAY 150-100DAY 122-30DAYS	HVAC TEMP MAPS DWG NO: G-134	TABLE (1) OF REF (1) & NOTE 1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: PER ITT REPORT NO. 721.81.138 TBL.1, PG 9
MANUFACTURER: ITT	PRESSURE	ATMOSPHER-IC	ATMOSPHER-IC	FSAR TABLE 3.11-1	SEE NOTE (1)	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUTDOWN MODE OF OPERATION.
MODEL AND SERIAL NUMBER: NH 96G2602 MD 203XX00	RELATIVE HUMIDITY	20-90%	150-100DAYS 95-100DAYS 90-30 DAYS	FSAR TABLE 3.11-1	TABLE 1 OF REF.(1) & NOTE (1)	TYPE TEST		(2) EBASCO FILE # EQ-HV-7
SERVICE DESCRIPTION: SERVING LOUVER DAMPER LD-1(SA)	CHEMICAL SPRAY	N/R						
ACCURACY SPECIFIED: N/A	RADIATION	1700 RADS	1 MRAD	RADIATION ZONE M DWG. G-134	SECT 5-4.1 OF REF (1)	TYPE TEST		
ACCURACY DEMONS.: N/A	AGING	N/R						
LOCATION: AUX BUILDING ELEVATION: +46 FT.	SUBMERGENCE	N/R						
FLOOD LEVEL EL: N/A FEET								
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J & 1A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH	ANALYSIS H07							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:								PREPARER: EAB 07/30/82 DATE
QUALIF STATUS: QUALIFIED								CHECKER :AKB 07/30/82 DATE
					REFERENCES: (1) ITT GENERAL CONTROLS QUALIFICATION REPORT # 721.81.137 REV1 (NH 90 QUAL. REPORT)			SYSTM:H & V EQUIP. ROOM VENTIL'TN
					(2) ITT REPORT # 721.81.138			QDEF SHEET NO.-0886

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	1 HOUR	30 DAYS	FSAR TABLE 3.11-2	REF (1) P. 10-14	TYPE TEST +	YES	QUALIFIED LIFE IS: 20 YRS.
COMPONENT: LIMIT SWITCH			ENVIRON- MENT		FIG. 3	ENGR. EVAL.		
PLANT NUMBER: LD-1(SA)	TEMPERATURE	104 DEGF	346 DEGF PEAK	HVAC TEMP MAPS DWG NO: G-134	REF (1) P. 10-5 & 14, FIG 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P4-3.1
MANUFACTURER: NAMCO	PRESSURE		70 PSIG PEAK	FSAR TABLE 3.11-1	REF (1) P 10-5&14 FIG 3	TYPE TEST		
MODEL AND SERIAL NUMBER: EA-180 SERIES	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	REF. (1) P. 10.9 PARA 2	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUT DOWN MODE OF OPERATION.
SERVICE DESCRIPTION: SERVING LOUVER DAMPER LD-1(SA)	CHEMICAL SPRAY	N/R						
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	1700 RADS	204 MRADS	RADIATION ZONE M DWG. G-134	REF (1) P.10-7	TYPE TEST		(2) EBASCO FILE # EQ-HV-6
ACCURACY DEMONS.: N/A	AGING	N/R						
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J & 1A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH	ANALYSIS H06							PREPARER: EAB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER :HSP 07/30/82 DATE
QUALIF STATUS: QUALIFIED								SYSTEM:H & V EQUIP. ROOM VENTIL'TN
					REFERENCES: (1) NAMCO QUALIFICATION REPORT OF EA-180 SERIES LIMIT SWITCHES. REPORT # QTR 105 REV 1			QDEF SHEET NO.-0887

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	1 HOUR	2 HOURS	FSAR TABLE 3.11-2	SECTION 5.5.2 OF REF (1)	TYPE TEST + ENGR. EVAL.	YES	QUALIFIED LIFE IS: 2 YRS.
COMPONENT: HYDRAMOTOR OPERATOR								
PLANT NUMBER: D-1 (SA)	TEMPERATURE	104 DEG F	185-100DAY 150-100DAY 122-30DAYS	HVAC TEMP MAPS DWG NO: G-134	TABLE (1) OF REF (1) & NOTE 1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: PER ITT REPORT #721.81.138 TABLE 1, P9
MANUFACTURER: ITT	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SEE NOTE (1)	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUTDOWN MODE OF OPERATION.
MODEL AND SERIAL NUMBER: NH-91G 4002 CH 02XX00	RELATIVE HUMIDITY	20-90%	150-100DAYS 95-100DAYS 90-30 DAYS	FSAR TABLE 3.11-1	TABLE 1 OF REF. (1) & NOTE (1)	TYPE TEST		(2) EBASCO FILE # EQ-HV-7
SERVICE DESCRIPTION: SERVING DAMPER D-1(SA)	CHEMICAL SPRAY	N/R						
ACCURACY SPECIFIED: N/A	RADIATION	1700 RADS	1 MRAD	RADIATION ZONE M DWG. G-134	SECT 5-4.1 OF REF (1)	TYPE TEST		
ACCURACY DEMONS.: N/A	AGING	N/R						
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J & 1A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS H07							PREPARER: EAB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER :AKB 07/30/82 DATE
QUALIF STATUS: QUALIFIED				REFERENCES: (1) ITT GENERAL CONTROLS QUALIFICATION REPORT # 721.81.137 REV1 (NH 90 QUAL. REPORT)				SYSTEM:H & V EQUIP. ROOM VENTIL'TN
				(2) ITT REPORT # 721.81.138				QDEF SHEET NO.-0888

QUALIFICATION DATA EVALUATION FORM

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	1 HOUR	30 DAYS IN LOCA ENVIRONMENT	FSAR TABLE 3.11-2	REF (1) P. 10-14 FIG. 3	TYPE TEST + ENGR. EVAL.	YES	QUALIFIED LIFE IS: 20 YRS.
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: D-1(SA)	TEMPERATURE	104 DEGF	346 DEGF PEAK	HVAC TEMP MAPS DWG NO: G-134	REF (1) P. 10-5 & 14, FIG 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3.
MANUFACTURER: NAMCO	PRESSURE		70 PSIG PEAK	FSAR TABLE 3.11-1	REF (1) P 10-5&14 FIG 3	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUTDOWN MODE OF OPERATION.
MODEL AND SERIAL NUMBER: EA-180 SERIES	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	REF. (1) P. 10.9 PA: A 2	TYPE TEST		(2) EBASCO FILE # EQ-HV-6
SERVICE DESCRIPTION: SERVING DAMPER D-1 (SA)	CHEMICAL SPRAY	N/R						
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	1700 RADS	204 MRADS	RADIATION MAPS ZONE M DWG. G-134	REF (1) P.10-7	TYPE TEST		
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING ELEVATION: +46 FT.	AGING	N/R						
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J & 1A	!INDEX FOR INCONSISTENCY!			ANALYSIS IN WORKFILE (IF REQUIRED)		OTHER EQUIPMENT THIS QDEF APPLIES TO:		REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: EAB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER :HSP 07/30/82 DATE
QUALIF STATUS: QUALIFIED								REFERENCES: (1) NAMCO QUALIFICATION REPORT OF EA-180 SERIES LIMIT SWITCHES. REPORT # QTR 105 REV 1
								SYSTEM:H & V EQUIP. ROOM VENTIL'TN
								QDEF SHEET NO.-0889

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	1 HOUR	2 HOURS	FSAR TABLE 3.11-2	SECTION 5.5.2 OF REF (1)	TYPE TEST + ENGR. EVAL.	YES	QUALIFIED LIFE IS: 2 YRS.	
COMPONENT: HYDRAMOTOR OPERATOR									
PLANT NUMBER: D-2 (SB)	TEMPERATURE	104 DEGF	185-100DAY 150-100DAY 122-30DAYS	HVAC TEMP MAPS DWG NO: G-134	TABLE (1) OF REF (1) & NOTE(1)	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: PER ITT REPORT #721.81.138 TABLE 1, P9	
MANUFACTURER: ITT	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SEE NOTE (1)	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFI- CANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFF- ICTED BY THE ACCI- DENT CONDITION IN- SIDE THE CONTAIN- MENT ANYMORE THAN DURING NORMAL SHUT DOWN MODE OF OPERATION.	
MODEL AND SERIAL NUMBER: NH-91G 4002 CH 02XX00	RELATIVE HUMIDITY	20-90%	150-100DAYS 95-100DAYS 90-30 DAYS	FSAR TABLE 3.11-1	TABLE 1 OF REF. (1) & NOTE (1)	TYPE TEST		(2) EBASCO FILE # EQ-HV-7	
SERVICE DESCRIPTION: SERVING DAMPER D-2(SB)	CHEMICAL SPRAY	N/R							
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	10000 RADS	1 MRAD	RADIATION MAPS ZONE A DWG. G-134	SECT 5-4.1 OF REF (1)	TYPE TEST			
ACCURACY DEMONS.: N/A									
LOCATION: AUX BUILDING ELEVATION: +69 FT.	AGING	N/R							
FLOOD LEVEL EL: N/A FEET	SUBMER- GENCE	N/R							
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J & 1A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS HO7								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	REFERENCES: (1) ITT GENERAL CONTROLS QUALIFICATION REPORT # 721.81.137 REV1 (NH 90 QUAL. REPORT) (2) ITT REPORT # 721.81.138								PREPARER: EAB 07/30/82 DATE CHECKER :AKB 07/30/82 DATE SYSTEM:H & V EQUIP. ROOM VENTIL'TN QDEF SHEET NO. -0890

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	1 HOUR	30 DAYS	FSAR TABLE 3.11-2	REF (1) P. 10-14	TYPE TEST +	YES	QUALIFIED LIFE IS: 20 YRS.	
COMPONENT: LIMIT SWITCH			ENVIRON- MENT		FIG. 3	ENGR. EVAL.			
PLANT NUMBER: D-1(SB)	TEMPERATURE	104 DEGF	346 DEGF PEAK	HVAC TEMP MAPS DWG NO: G-134	REF (1) P. 10-5 & 14, FIG 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA189-90051 REF(1)P4-3.1	
MANUFACTURER: NAMCO	PRESSURE	ATMOSPHER- IC	70 PSIG PEAK	FSAR TABLE 3.11-1	REF (1) P 10-58,14			(1)TEMPERATURE PRESSURE AND HUM- IDITY ARE NOT CON- SIDERED SIGNIFI- CANT PARAMETERS FOR EVALUATION.	
MODEL AND SERIAL NUMBER: EA-180 SERIES	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	REF. (1) P. 10.9	TYPE TEST		THESE ARE NOT AFF- ECTED BY THE ACCI- DENT CONDITION IN- SIDE THE CONTAIN- MENT ANYMORE THAN DURING NORMAL SHUT DOWN MODE OF OPERATION.	
SERVICE DESCRIPTION: SERVING DAMPER D-1 (SB)	CHEMICAL SPRAY	N/R						(2) EBASCO FILE # EQ-HV-6	
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	1700 RADS	204 MRADS	RADIATION MAPS ZONE M DWG. G-134	REF (1) P. 10-7	TYPE TEST			
ACCURACY DEMONS.: N/A	AGING	N/R							
LOCATION: AUX BUILDING ELEVATION: +46 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMER- GENCE	N/R							
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J & 2A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS H06								PREPARER: EAB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:									CHECKER :AKB 07/30/82 DATE
QUALI' STATUS: QUALIFIED								REFERENCES: (1) NAMCO QUALIFICATION REPORT OF EA-180 SERIES LIMIT SWITCHES. REPORT # QTR 105 REV 1	SYSTEM:H & V EQUIP. ROOM VENTIL'TN QDEF SHEET NO.-0891

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	1 HOUR	2 HOURS	FSAR TABLE 3.11-2	SECTION 5.5.2 OF REF (1)	TYPE TEST + ENGR. EVAL.	YES	QUALIFIED LIFE IS: 2 YRS.
COMPONENT: HYDRAMOTOR OPERATOR								
PLANT NUMBER: D-1 (SB)	TEMPERATURE	104 DEGF	185-100DAY 150-100DAY 122-30DAYS	HVAC TEMP MAPS DWG NO: G-134	TABLE (1) OF REF (1) & NOTE 1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: PER ITT REPORT #721.81.138 TABLE 1, P9
MANUFACTURER: ITT	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SEE NOTE (1)	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUTDOWN MODE OF OPERATION.
MODEL AND SERIAL NUMBER: NH-91G 4002 CH 02XX00	RELATIVE HUMIDITY	20-90%	50-100DAYS 95-100DAYS 90-30 DAYS	FSAR TABLE 3.11-1	TABLE 1 OF REF.(1) & NOTE (1)	TYPE TEST		(2) EBASCO FILE # EQ-HV-7
SERVICE DESCRIPTION: SERVING DAMPER D-1(SB)	CHEMICAL SPRAY	N/R						
ACCURACY SPECIFIED: N/A	RADIATION	1700 RADS	1 MRAD	RADIATION ZONE M DWG. G-134	SECT 5-4.1 OF REF (1)	TYPE TEST		
ACCURACY DEMONS.: N/A	AGING	N/R						
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R						
COORDINATES: J & 2A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIE TO:				REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS HO7	O						PREPARER: EAB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED		T P H C R A S		REFERENCES: (1) ITT GENERAL CONTROLS QUALIFICATION REPORT # 721.81.137 REV1 (NH 90 QUAL. REPORT)				CHECKER :AKB 07/30/82 DATE
				(2) ITT REPORT # 721.81.138				SYSTEM:H & V EQUIP. ROOM VENTIL'TN QDEF SHEET NO.-0892

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	1 HOUR	130 DAYS IN LOCA ENVIRONMENT	FSAR TABLE 3.11-2	REF (1) P. 10-14 FIG. 3	TYPE TEST + ENGR. EVAL.	YES	QUALIFIED LIFE IS: 20 YRS.
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: D-2(SB)	TEMPERATURE	104 DEGF	346 DEGF PEAK	HVAC TEMP MAPS DWG NO: G-134	REF (1) P. 10-5 & 14, FIG 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P4-3.1
MANUFACTURER: NAMCO	PRESSURE			FSAR TABLE 3.11-1	REF (1) P 10-5&14 FIG 3			(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFI-
MODEL AND SERIAL NUMBER: EA-180 SERIES	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	REF. (1) P. 10.9 PARA 2	TYPE TEST		CANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUTDOWN MODE OF OPERATION.
SERVICE DESCRIPTION: SERVING DAMPER D-2 (SB)	CHEMICAL SPRAY	N/R						(2) EBASCO FILE # EQ-HV-6
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	10000 RADS	204 MRADS	RADIATION ZONE A DWG. G-134	REF (1) P.10-7	TYPE TEST		
ACCURACY DEMONS.: N/A	AGING	N/R						
LOCATION: AUX BUILDING ELEVATION: +69 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J & 1A	INDEX FOR INCONSISTENCY!			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	ANALYSIS H05			O! T! P! H! C! R! A! S!				PREPARER: EAB 07/30/82 DATE CHECKER :AKB 07/30/82 DATE
				REFERENCES: (1) NAMCO QUALIFICATION REPORT OF EA-180 SERIES LIMIT SWITCHES. REPORT # QTR 105 REV 1				SYSTEM:H & V EQUIP. ROOM VENTIL'TN QDEF SHEET NO.-0893

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TEST		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: FAN MOTOR					PG-10 OF WCAP-9112			
PLANT NUMBER: E-23 (3A-SA)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-134	SEC.2.10.7 (PG-9) OF WCAP-9112	TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SECT.2.6.2 (PG-3) OF WCAP-9112	TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUTDOWN MODE OF OPERATION.
MODEL AND SERIAL NUMBER: TEFC FRAME 284T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SECT2.10.7 (PG-8) OF WCAP-9112	TEST		(2) EBASCO FILE # EQ-HV-1
SERVICE DESCRIPTION: SERVING UNIT E-23 (3A-SA)	CHEMICAL SPRAY	N/R						
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	200 MRADS	RADIATION MAPS ZONE M DWG. G-134	APPENDIX B OF WCAP-9112	TEST		
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING ELEVATION: +46 FT.	AGING	N/R						
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL:								
COORDINATES: K & 6A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED								PREPARER: EAB 07/30/82 DATE CHECKER: HSP 07/30/82 DATE
				REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS I E MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)				SYSTEM: CONTROLLED AREA VENTIL'N QDEF SHEET NO. -0894

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: FAN MOTOR					PG-10 OF WCAP-9112			
PLANT NUMBER: E-23 (3B-SB)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-134	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SECT.2.6.2 (PG-3) OF WCAP-9112	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFI-
MODEL AND SERIAL NUMBER: TEFC FRAME 284T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SECT2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		CANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUT DOWN MODE OF OPERATION.
SERVICE DESCRIPTION: SERVING UNIT E-23 (3B-SB)	CHEMICAL SPRAY	N/R						(2) EBASCO FILE # EQ-HV-1
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	200 MRADS	RADIATION MAPS ZONE M DWG. G-134	APPENDIX B OF WCAP-9112	TYPE TEST		
ACCURACY DEMONS.: N/A	AGING	N/R						
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL:	SUBMERGENCE	N/R						
COORDINATES: K & 7A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: EAB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER :HSP 07/30/8 DATE
QUALIF STATUS: QUALIFIED				REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IIE MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)				SYSTEM: CONTROLLED AREA VENTIL'N
								QDEF SHEET NO. -0895

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	1 HOUR	12 HOURS	FSAR TABLE 3.11-2	SECTION 5.5.2 OF REF (1)	TYPE TEST + ENGR. EVAL.	YES	QUALIFIED LIFE IS: 2 YRS.	
COMPONENT: HYDRAMOTOR OPERATOR									
PLANT NUMBER: D-71(SA)	TEMPERATURE	104 DEGF	1185-100DAY 150-100DAY 122-30DAYS	HVAC TEMP MAPS DWG NO: G-134	TABLE (1) OF REF (1) & NOTE 1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: PER ITT REPORT #721.81.138 TABLE 1, P9	
MANUFACTURER: ITT	PRESSURE	ATMOSPHER- C	ATMOSPHER- IC	FSAR TABLE 3.11-1	SEE NOTE (1)	TYPE TEST		! (1) TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUT DOWN MODE OF OPERATION.	
MODEL AND SERIAL NUMBER: NH-96,1000 #	RELATIVE HUMIDITY	20-90%	150-100DAYS 195-100DAYS 190-30 DAYS	FSAR TABLE 3.11-1	TABLE 1 OF REF. (1) & NOTE (1)	TYPE TEST		! (2) EBASCO FILE # EQ-HV-7	
SERVICE DESCRIPTION: SERVING DAMPER D-71(SA)	CHEMICAL SPRAY	N/R							
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	1700 RADS	1 MRAD	RADIATION MAPS ZONE M DWG. G-134	SECT 5-4.1 OF REF (1)	TYPE TEST			
ACCURACY DEMONS.: N/A	AGING	N/R							
LOCATION: AUX BUILDING									
ELEVATION: +46 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R							
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J & 6A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO. -01
ENVIRON'T IS HARSH	ANALYSIS #07								PREPARER: EAB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:									CHECKER :AKB 07/30/82 DATE
QUALIF STATUS: QUALIFIED								REFERENCES: (1) ITT GENERAL CONTROLS QUALIFICATION REPORT # 721.81.137 REV1 (NH 90 QUAL. REPORT)	SYSTEM: CONTROLLED AREA VENTIL'N
								(2) ITT REPORT # 721.81.138	QDEF SHEET NO. -0896

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	1 HOUR	30 DAYS IN LOCA ENVIRONMENT	FSAR TABLE 3.11-2	REF (1) P. 10-14 FIG. 3	TYPE TEST	YES	QUALIFIED LIFE IS: 20 YRS.	
COMPONENT: LIMIT SWITCH						ENGR. EVAL.			
PLANT NUMBER: D-71(SA)	TEMPERATURE	104 DEGF	346 DEGF PEAK	HVAC TEMP MAPS DWG NO: G-134	REF (1) P. 10-5 & 14, FIG 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINT. PROCEDURE EA189 -90051; REF (1)P.4-3.1	
MANUFACTURER: NAMCO	PRESSURE		70 PSIG PEAK	FSAR TABLE 3.11-1	REF (1) P 10-5&14 FIG 3	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUTDOWN MODE OF OPERATION.	
MODEL AND SERIAL NUMBER: EA-180 SERIES	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	REF. (1) P. 10.9 PARA 2	TYPE TEST		(2) EBASCO FILE # EQ-HV-6	
SERVICE DESCRIPTION: SERVING DAMPER D-71(SA)	CHEMICAL SPRAY		N/R						
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	1700 RADS	204 MRADS	RADIATION ZONE M DWG. G-134	REF (1) P. 10-7	TYPE TEST			
ACCURACY DEMONS.: N/A	AGING		N/R						
LOCATION: AUX BUILDING ELEVATION: +46 FT.									
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE		N/R						
COORDINATES: J & 6A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS H06							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
ENVIRON'T IS HARSH									PREPARER: EAB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:									CHECKER :HSP 07/30/82 DATE
QUALIF STATUS: QUALIFIED								REFERENCES: (1) NAMCO QUALIFICATION REPORT OF EA-180 SERIES LIMIT SWITCHES. REPORT # QTR 105 REV 1	SYSTEM: CONTROLLED AREA VENTIL'N QDEF SHEET NO.-0897

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	1 HOUR	2 HOURS	FSAR TABLE 3.11-2	SECTION 5.5.2 OF REF (1)	TYPE TEST + ENGR. EVAL.	YES	QUALIFIED LIFE IS: 2 YRS.
COMPONENT: HYDRAMOTOR OPERATOR								
PLANT NUMBER: D-71(SB)	TEMPERATURE	104 DEGF	185-100DAY 150-100DAY 122-30DAYS	HVAC TEMP MAPS DWG NO: G-134	TABLE (1) OF REF (1) & NOTE 1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: PER ITT REPT#721.81. 138; REV. 1 TABLE 1,P9
MANUFACTURER: ITT	PRESSURE	ATMOSPHER-IC	ATMOSPHER-IC	FSAR TABLE 3.11-1	SEE NOTE (1)	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUTDOWN MODE OF OPERATION.
MODEL AND SERIAL NUMBER: NH-96,1000 #	RELATIVE HUMIDITY	20-90%	150-100DAYS 95-100DAYS 90-30 DAYS	FSAR TABLE 3.11-1	TABLE 1 OF REF.(1) & NOTE (1)	TYPE TEST		
SERVICE DESCRIPTION: SERVING DAMPER D71-(SB)								
FUNCTION: AM	CHEMICAL SPRAY	N/R						
ACCURACY SPECIFIED: N/A	RADIATION	1700 RADS	1 MRAD	RADIATION MAPS ZONE M DWG. G-134	SECT 5-4.1 OF REF (1)	TYPE TEST		(2) EBASCO FILE # EQ-HV-7
ACCURACY DEMONS.: N/A	AGING	N/R						
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J & 7A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH	ANALYSIS H07							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:								PREPARER: EAB 07/30/82 DATE
QUALIF STATUS: QUALIFIED								CHECKER :AKB 07/30/82 DATE
					REFERENCES: (1) ITT GENERAL CONTROLS QUALIFICATION REPORT # 721.81.137 REV1 (NH 90 QUAL. REPORT)			SYSTEM: CONTROLLED AREA VENTIL'N
					(2) ITT REPORT # 721.81.138			QDEF SHEET NO. -0898

QUALIFICATION DATA EVALUATION FORM

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	CONTROLLED AREA VENTIL'N	OPERATING TIME	1 HOUR	130 DAYS	FSAR TABLE 3.11-2	REF (1) P. 10-14	TYPE TEST +	YES	QUALIFIED LIFE IS: 20 YRS.	
COMPONENT:	LIMIT SWITCH			ENVIRONMENT		FIG. 3	ENGR. EVAL.			
PLANT NUMBER:	D-71(SB)	TEMPERATURE	104 DEGF	346 DEGF PEAK	HVAC TEMP MAPS DWG NO: G-134	REF (1) P. 10-5 & 14, FIG 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINT. PROCEDURE EA189 -90051; REF (1) P.4-3.1.	
MANUFACTURER:	NAMCO	PRESSURE		70 PSIG PEAK	FSAR TABLE 3.11-1	REF (1) P 10-58 14 FIG 3	TYPE TEST			
MODEL AND SERIAL NUMBER:	EA-180 SERIES	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	REF. (1) P. 10.9	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUT DOWN MODE OF OPERATION.	
SERVICE DESCRIPTION:	SERVING DAMPER D-71(SB)	CHEMICAL SPRAY	N/R							
FUNCTION:	AM									
ACCURACY SPECIFIED:	N/A	RADIATION	1700 RADS	204 MRADS	RADIATION ZONE M DWG. G-134	REF (1) P. 10-7	TYPE TEST		(2) EBASCO FILE # EQ-HV-6	
ACCURACY DEMONS.:	N/A	AGING	N/R							
LOCATION:	AUX BUILDING									
ELEVATION:	+46 FT.									
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R							
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	J & 7A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		ANALYSIS H06								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:										REFERENCES: (1) NAMCO QUALIFICATION REPORT OF EA-180 SERIES LIMIT SWITCHES. REPORT # QTR 105 REV 1
QUALIF STATUS:	QUALIFIED									SYSTEM: CONTROLLED AREA VENTIL'N
										QDEF SHEET NO.-0899

REVISION NO.-01
PREPARER: EAB 07/30/82
DATE
CHECKER: HSP 07/30/82
DATE

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: WASTE MANAGEMENT	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 10-14 FIG 3	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE IS: 20 YEARS	
PLANT NUMBER: 2WM-F105A/B	TEMPERATURE	148 DEGF	346 DEGF PEAK	HVAC TEMP MAPS G-145	REF (1) P 10-5314 FIG 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF (1)P 4-3	
MANUFACTURER: NAMCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 180-14302	RELATIVE HUMIDITY	20-90 %	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: CONT SUMP PUMPS ISOL VALVE	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: ACCIDENT MITIGATION	RADIATION	64,000 RADS	204 M RADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) P 10-7	TEST TYPE		EBASCO FILE NO: EQ-ME-1	
ACCURACY SPECIFIED: N/A	AGING	140 YRS + 1 YR	1400 HRS AT 248F EQUIV TO 20 YRS AT 104F	FSAR SECT	REF (1) P 10-6 (FIG.8)	TEST			
ACCURACY DEMONS.: N/A	SUBMERGENCE	N/R	-	-	-	-			
LOCATION: AUX BUILDING ELEVATION: -4 FT.	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:					
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	ANALYSIS M-2	O	T	REFERENCES: (1) NAMCO QUALIFICATIONS OF EA180 SERIES OF LIMIT SWITCHES. REPORT NO. QTR 105 REV 1					REVISION NO. -01
COORDINATES: M-9A									PREPARER: BM 07/30/82 DATE
ENVIRON'T IS HARSH									CHECKER : SKS 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									SYSTEM: WASTE MANAGEMENT
QUALIF STATUS: QUALIFIED									QDEF SHEET NO. -0900

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: WASTE MANAGEMENT	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV.	FSAR TABLE 3.11-2	REF (1) P. 10-14	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 20 YEARS
COMPONENT: LIMIT SWITCH					FIGURE 3			
PLANT NUMBER: 2WM-F105A/B	TEMPERATURE	148 DEGF	346 DEGF PEAK	HVAC TEMP MAPS DWG NO: G-145	REF (1) P. 10-5&14	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3
MANUFACTURER: NAMCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA180-15302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: CONT.SUMP PUMPS ISOL VALVE								
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	204 M RADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) P. 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING ELEVATION: -4 FT.	AGING	140 YRS. + 1 YR POST DBA	400 HRS AT 248F EQUIV TO 20 YRS AT 104F	FSAR SECT 3.11.1	REF (1) P. 10-6 (FIG 8) P. 4-12	TYPE TEST		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: M-9A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-2							PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED				REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO.QTR 105 REV 1.				SYSTEM: WASTE MANAGEMENT QDEF SHEET NO.-0901

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: WASTE MANAGEMENT	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV.	FSAR TABLE 3.11-2	REF (1) P.3-2 SEC 3.2.7	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID									
PLANT NUMBER: 2WM-F105A/B	TEMPERATURE	148 DEGF	346 DEGF PEAK	HVAC TEMP MAPS DWG NO: G-145	REF (1) P. 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP.1 SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: NP 831655E	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: CONT SUMP PUMP ISOL VLV.	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	200 M RADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) P. 4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	140 YRS + 1 YR POST DBA	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SECT 3.11.1	REF (1) APP A P.9-3&4	TYPE TEST			
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	SUBMERGENCE	N/R	-	-	-	-			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A									
COORDINATES: M-9A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-1								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									REVISION NO.-01
QUALIF STATUS: QUALIFIED									PREPARER: BM 07/30/82 DATE
									CHECKER: SKS 07/30/82 DATE
									REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV.A JULY 1979
									SYSTEM: WASTE MANAGEMENT
									QDEF SHEET NO.-0902

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM WASTE MANAGEMENT	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV.	FSAR TABLE 3.11-2	REF (1) P. 10-14 FIGURE 3	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 20 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 2WM-F158A/B	TEMPERATURE	148 DEGF	346 DEGF PEAK	HVAC TEMP MAPS DWG NO: G-145	REF (1) P. 10-5&14 FIGURE 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3
MANUFACTURER: NAMCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 180-14302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: CONT WASTE GAS ISOL VLV.								
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	204 M RADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) P. 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	AGING	140 YRS. + 1 YR POST DBA	400 HRS AT 248F EQUIV TO 20 YRS AT 104F	FSAR SECT 3.11.1	REF (1) P. 10-6 (FIG 8) P. 4-12	TYPE TEST		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: M-9A	! INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	! ANALYSIS IN WORKFILE (IF REQUIRED) !							
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	! ANALYSIS M-2 O !							
QUALIF STATUS: QUALIFIED	! T !							
	! P !							
	! H !							
	! C !							
	! R !							
	! A !							
	! S !							
	OTHER EQUIPMENT THIS QDEF APPLIES TO:							
	REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO.QTR 105 REV 1.							
	! REVISION NO.-01 !							
	! PREPARER: BM 07/30/82 !							
	! DATE !							
	! CHECKER : SKS 07/30/82 !							
	! DATE !							
	! SYSTEM: WASTE MANAGEMENT !							
	! QDEF SHEET NO.-0903 !							

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: WASTE MANAGEMENT	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV.	FSAR TABLE 3.11-2	REF (1) P. 10-14	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 20 YEARS	
COMPONENT: LIMIT SWITCH					FIGURE 3				
PLANT NUMBER: 2WM-F158A/B	TEMPERATURE	148 DEGF	346 DEGF PEAK	HVAC TEMP MAPS DWG NO: G-145	REF (1) P. 10-5&14	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3	
MANUFACTURER: NAMCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 180-15302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)				
SERVICE DESCRIPTION: CONT WASTE GAS ISOL VLV.									
FUNCTION: AM	CHEMICAL SPRAY	N/R							
ACCURACY SPECIFIED: N/A	RADIATION	64.000 RADS	204 M RADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) P. 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
ACCURACY DEMONS.: N/A	AGING	40 YRS. + 1 YR	400 HRS AT 248F EQUIV TO 20 YRS AT 104F	FSAR SECT 3.11.1	REF (1) P. 10-6	TYPE TEST			
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.					(FIGURE 8) P. 4-12				
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R							
ABOVE FLOOD LEVEL: N/A									
COORDINATES: M-9A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-2								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO.QTR 105 REV 1.								PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
									SYSTEM:WASTE MANAGEMENT
									QDEF SHEET NO.-0904

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: WASTE MANAGEMENT	OPERATING TIME	120 DAYS	30 DAYS IN LOCA	FSAR TABLE 3.11-2	REF (1) P.3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID			ENV.		SEC 3.2.7	ENG. EVAL.			
PLANT NUMBER: 2WM-F158A/B	TEMPERATURE	148 DEGF	346 DEGF PEAK	HVAC TEMP MAPS DWG NO: G-145	REF (1) P. 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: NP 831655E	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: CONT WASTE GAS ISOL VLV.									
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	200 M RADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) P. 4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	40 YRS. + 1 YR	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SECT 3.11.1	REF (1) APP A P.9-3&4	TYPE TEST			
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.									
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R	-	-	-	-			
COORDINATES: M-9A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-1								OTHER EQUIPMENT THIS QDEF APPLIES TO: REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
									REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV. A JULY 1979
									SYSTEM: WASTE MANAGEMENT
									QDEF SHEET NO.-0905

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES		
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	CONTAINMENT SPRAY	OPERATING TIME	120 LAYS	30 DAYS	FSAR TABLE 3.11-2	REF (1) P.10-14	TYPE TEST +	YES	QUALIFIED LIFE IS: 20 YEARS	
COMPONENT:	LIMIT SWITCH			ENV		FIG 3	ENG. EVAL.			
PLANT NUMBER:	2CS-F305A	TEMPERATURE	140 DEGF	346 DEGF PEAK	HVAC TEMP MAPS DWG NO: G-145	REF (1) P.10-5&14 FIG 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3	
MANUFACTURER:	NAMCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		((1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER:	EA 180-21302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION:	CONTAINMENT SPRAY ISO. VALVE									
FUNCTION:	ACCIDENT MITIGATION	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED:	N/A	RADIATION	52,000 RADS	204 M RADS	RADIATION MAPS ZONE -GG DWG G-145	REF (1) P. 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
ACCURACY DEMONS.:	N/A	AGING	40 YRS. PLUS 1YR	400 HRS AT 248F EQUIV TO 20 YRS AT 104F	FSAR SECT 3.11.1	REF (1) P.10-6 (FIG 8)	TYPE TEST			
LOCATION:	AUX BUILDING									
ELEVATION:	-35 FT.									
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	M-5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								OTHER EQUIPMENT THIS QDEF APPLIES TO:
ENVIRON'T IS HARSH		ANALYSIS M-2	O	T	P	H	C	R	A	S
EQUIPMENT EXEMPT FROM QUALIFICATION: NO										
QUALIF STATUS: QUALIFIED										
										REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO.QTR 105 REV 1.
										REVISION NO.-01
										PREPARER:BM 07/30/82 DATE
										CHECKER :SKS 07/30/82 DATE
										SYSTEM:CONTAINMENT SPRAY
										QDEF SHEET NO.-0906

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTAINMENT SPRAY	OPERATING TIME	120 DAYS	NONE SEE NOTE (2)	FSAR TABLE	NONE SEE NOTE (2)	-		QUALIFIED LIFE IS:
COMPONENT: SOLENOID								
PLANT NUMBER: 2CS-F305A	TEMPERATURE	140 DEGF	SEE NOTE (2)	HVAC TEMP MAPS DWG NO: G-145	NONE SEE NOTE (2)	-		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ASCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
MODEL AND SERIAL NUMBER: HT 831665	RELATIVE HUMIDITY	20-90 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION (2) NO QUALIFICATION DOCUMENTS AVAILABLE. QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING
SERVICE DESCRIPTION: CONTAINMENT SPRAY ISO. VALV	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: ACCIDENT MITIGATION								
ACCURACY SPECIFIED: N/A	RADIATION	52.000 RADS	NONE SEE NOTE (2)	RADIATION MAPS ZONE -GG DWG G- 145	NONE SEE NOTE (2)	-		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A	AGING	140 YRS + 1 YR	NONE SEE NOTE (2)	FSAR SECT	NONE SEE NOTE (2)	-		
LOCATION: AUX BUILDING ELEVATION: -35 FT.	ACCIDENT							
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: M-5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								
EQUIPMENT EXEMPT FROM QUALIFICATION: NOT QUALIFIED								PREPARER: BM 07/30/82 DATE
				REFERENCES:				CHECKER : SKS 07/30/82 DATE
								SYSTEM: CONTAINMENT SPRAY
								QDEF SHEET NO. -0907

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: CONTAINMENT SPRAY	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P. 10-14 FIG. 3	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE IS: 20 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 2CS-F306B	TEMPERATURE	140 DEGF	346 DEGF PEAK	HVAC TEMP MAPS DWG NO: G-145	REF(1) P 10-5814 FIG. 3	TYP TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3
MANUFACTURER: NAMCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA180-21302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: CONTAINMENT SPRAY ISO. VALVE								
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	52,000 RADS	204 M RADS	RADIATION MAPS ZONE -GG DWG G-145	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING ELEVATION: -35 FT.	AGING	140 YRS PLUS 1 YR ACCIDENT	400 HRS AT 248F EQUIV TO 20 YRS AT 104F	FSAR SECT 3.11.1	REF(1) P 10-6 (FIG 8) P 4-12	TYPE TEST		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: M-9A	INDEX FOR INCONSISTENCY!			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-2							PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED				REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO: QTR 105 REV 1				CHECKER :SKS 07/30/82 DATE
								SYSTEM: CONTAINMENT SPRAY
								QDEF SHEET NO. -0908

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		* QUALIFIC. * * METHOD	* INCONSIS- * * TENCY * * ANALYZED	* NOTES	
	* PARAMETER	SPEC.	QUALIF.	* SPEC.	QUALIF.				
SYSTEM: CONTAINMENT SPRAY	OPERATING TIME	120 DAYS	NONE SEE NOTE (2)	FSAR TABLE 3.11-2	NONE SEE NOTE (2)	-		QUALIFIED LIFE IS:	
COMPONENT: SOLENOID									
PLANT NUMBER: 2CS-F306B	TEMPERATURE	140 DEG F	NONE SEE NOTE (2)	HVAC TEMP MAPS DWG NO: G-145	NONE SEE NOTE (2)	-		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ASCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
MODEL AND SERIAL NUMBER: HT 831665	RELATIVE HUMIDITY	20-90 %	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION: CONTAINMENT SPRAY ISO. VALVE	CHEMICAL SPRAY	N/R	-	-	-	-		(2) NO QUALIFICATION DOCUMENTS AVAILABLE.	
FUNCTION: ACCIDENT MITIGATION								QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING	
ACCURACY SPECIFIED: N/A	RADIATION	52,000 RADS	NONE SEE NOTE (2)	RADIATION MAPS ZONE -GG DWG G-145	NONE SEE NOTE (2)	-		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	140 YRS + 1 YR	NONE SEE NOTE (2)	FSAR SECT 3.11.1	NONE SEE NOTE (2)	-			
LOCATION: AUX BUILDING ELEVATION: -35 FT.	SUBMERGENCE	N/R	-	-	-	-			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A									
COORDINATES: M-9A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: NOT QUALIFIED									CHECKER : SKS 07/30/82 DATE
									SYSTEM: CONTAINMENT SPRAY
									QDEF SHEET NO.-0909

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENV	FSAR TABLE	REF (1) P 10-14	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH				3.11-2	FIGURE 3			
PLANT NUMBER: 2HV-B151A	TEMPERATURE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF (1) P 10-5&14	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED. MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3
MANUFACTURER: NAMCO	PRESSURE	44 PSIG PEAK	70 PSIG PEAK	LOCA PROFILE	REF (1) P 10-5&14	TYPE TEST		
MODEL AND SERIAL NUMBER: EA 180-31302					FIGURE 3			
SERVICE DESCRIPTION: 2 HV-B151A SERVING VALVE	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	REF (1) P 10-9	TYPE TEST		
				3.11-1	PARA 2			
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	33 MRADS	204 MRADS	RADIATION MAPS	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A				ZONE -CC				
				DWG G-143				
LOCATION: ANNULS BUILDING ELEVATION: +46 FT.	AGING	40 YRS + 1 YR ACCIDENT	400 HRS AT 248F EQUIV TO 6 YEARS	FSAR SECT	REF (1) P 10-6	TYPE TEST		
			A 102F	3.11.1	(FIGURE 8)			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: AZ 126 DEG.	INDEX FOR INCONSISTENCY!			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-2							PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED				REFERENCES: (1)NACMO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO.QTR 105 REV.1				CHECKER :SKS 07/30/82 DATE
								SYSTEM:CONT. PURGE & VACUUM RELIEF
								QDEF SHEET NO. -0910

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P.3-2	TYPE TEST +	YES	QUALIFIED LIFE IS:
COMPONENT: SOLENOID					SEC 3.2.7	ENG EVAL		
PLANT NUMBER: 2HV-B151A	TEMPERATURE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF (1) P 4-4	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ASCO	PRESSURE	144 PSIG PEAK	110 PSIG PEAK	LOCA PROFILE	REF (1) P 4-4	TYPE TEST		
MODEL AND SERIAL NUMBER: NP 831664V	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE 3.11-1	REF (1) P 4-4	TYPE TEST		(1) QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING.
SERVICE DESCRIPTION: 2HV-B151A	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	33 MRADS	20 M RADS	RADIATION MAP	REF (2) SEE NOTE (1)	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A	AGING	140 YRS + 1 YR	268 F FOR 12DAYS EQV TO 4.4 YRS AT 140 F	FSAR SEC. 3.11.1	REF (1) APP. A P.9-384	TYPE TEST		
LOCATION: ANNULS BUILDING ELEVATION: +46 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	INDEX FOR INCONSISTENCY!							
COORDINATES: AZ 126 DEG	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-1			REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV A JULY 1979 (2) ASCO LETTER DATED 12/18/81				PREPARER: BM 07/30/82 DATE CHECKER: SKS 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								
QUALIF STATUS: NOT QUALIFIED								SYSTEM: CONT. PURGE & VACUUM RELIEF
								QDEF SHEET NO.-0911

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE	REF (1) P 10-14 FIGURE 3	TYPE TEST + ENG EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 2HV-B152A	TEMPERATURE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF (1) P 10-5&14 FIGURE 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3
MANUFACTURER: NAMCO	PRESSURE	44 PSIG PEAK	70 PSIG PEAK	LOCA PROFILE	REF (1) P 10-5&14 FIGURE 3	TYPE TEST		
MODEL AND SERIAL NUMBER: EA 180-31302	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	REF (1) P. 10-9 PARA. 2	TYPE TEST		
SERVICE DESCRIPTION: 2HV-B152A	CHEMICAL SPRAY	PH 5 TO 9 BORON 1750T02150 PPM	PH10 TO 11 SPRAY COMP OF H3BO3 + NAOH	FSAR TABLE	REF (1) P. 10-9 PARA. 2	TYPE TEST		
FUNCTION: AM	RADIATION	33 MRADS	204 M RADS	RAD MAPS. ZONE:CC DWG: G-143	REF (1) P. 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY SPECIFIED: N/A	AGING	40 YRS. + 1 YR ACC.	400 HRS AT 248F EQUIV TO 6 YRS AT 120F	FSAR SEC. 3.11.1	REF (1) P. 10-6 (FIGURE 8) P. 4-12	TYPE TEST		
ACCURACY DEMONS.: N/A	SUBMERGENCE	N/R						
LOCATION: CONT BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: 0.5 FEET								
ABOVE FLOOD LEVEL: YES								
COORDINATES: AZ 126DEG.	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-2 O T P H C R A S							PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1)NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO.QTR 105 REV.1.							CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								SYSTEM:CONT. PURGE & VACUUM RELIEF QDEF SHEET NO.-0912

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. PURGE & VACUUM RELIEF	OPERATING TIME	1 HR	30 DAYS	FSAR TABLE	REF (1)	TYPE		QUALIFIED LIFE IS
COMPONENT: SOLENOID			IN LOCA ENV.	3.11-2	SEC 3.2.7.	TEST		
PLANT NUMBER: 2HV-B152A	TEMPERATURE	269 DEGF	346 DEGF	LOCA PROFILE	REF (1)	TYPE		MAINTENANCE / REPLACEMENT SCHD:
	URE	PEAK	PEAK		P 4-4	TEST		
MANUFACTURER: ASCO	PRESSURE	144 PSIG	110 PSIG	LOCA PROFILE	REF (1)	TYPE		
		PEAK	PEAK		P 4-4	TEST		(1) QUALIFIED
MODEL AND SERIAL NUMBER: NP 831664V					SEC 4.7			REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING.
SERVICE DESCRIPTION: SERVING VALVE 2 HV-B152A	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	REF (1)	TYPE		
					P 4-4	TEST		
				3.11-1	SEC 4.7			
FUNCTION: AM	CHEMICAL SPRAY	PH 5 TO 9	PH 9.5 TO 10.5	FSAR TABLE	REF (1)	TYPE		
		BORON	BORON		P. 4-4	TEST		
		1750 TO 2150 PPM	3000 PPM	3.11-1	SEC 4.7			
ACCURACY SPECIFIED: N/A	RADIATION	33 MRADS	20 M RADS	RAD MAPS. ZONE: CC	REF (2)	TYPE		EBASCO FILE NO: EQ-ME-4
				DWG: G-143	(1)	TEST		
ACCURACY DEMONS.: N/A	AGING	140 YRS.	268F FOR 12 DAYS	FSAR SEC.	REF (1)	TYPE		
		+ 1 YR	EQ		APP. A	TEST		
LOCATION: CONT BUILDING	ACC.		TO 4.4 YRS	3.11.1	P. 9-3&4			
ELEVATION: +46 FT.			AT 140F					
FLOOD LEVEL EL: 0.5 FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL: YES								
COORDINATES: AZ 126 DEG.	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV A JULY 1979							PREPARER: BM 07/30/82 DATE
QUALIF STATUS: NOT QUALIFIED	(2) ASCO LETTER DATED 12/18/81							CHECKER: SKS 07/30/82 DATE
								SYSTEM: CONT. PURGE & VACUUM RELIEF
								QDEF SHEET NO. -0913

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 10-14 FIG. 3	TYPE TEST + ENG EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 2HV-B153B	TEMPERATURE PEAK	269 DEGF	346 DEGF	LOCA PROFILE	REF (1) P 10-5&14 FIG. 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF (1)P.4-3
MANUFACTURER: NAMCO	PRESSURE PEAK	144 PSIG	170 PSIG	LOCA PROFILE	REF (1) P 10-5&14 FIG.3	TYPE TEST		
MODEL AND SERIAL NUMBER: EA180-31302	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF (1) P 10-9	TYPE TEST		
SERVICE DESCRIPTION: 2HV-B153B				3.11-1	PARA 2			
FUNCTION: AM	CHEMICAL SPRAY	PH 5 TO 9 BORON 1750T02150 PPM	PH 9.5 TO 10.5 SPRAY COMP. OF H3BO3+NAOH	FSAR TABLE	REF (1) P 10-9 PARA 2	TYPE TEST		
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	204 M RADS	RAD MAPS ZONE:CC DWG: G-143	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A	AGING	140 YRS + 1 YR ACCIDENT	1400 HRS AT 248F EQUIV TO 6 YRS AT 120F	FSAR SEC.3.11.1	REF. (1) P 10-6 (FIG.8) P.4-12	TYPE TEST		
LOCATION: CONT BUILDING ELEVATION: +46 FT.	SUBMERGENCE	N/R						
FLOOD LEVEL EL: +.5 FEET ABOVE FLOOD LEVEL: YES								
COORDINATES: AZ 202DEG.	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS HARSH	ANALYSIS M-2 O! T! P! H! C! R! A! S!							
EQUIPMENT EXEMPT FROM QUALIFICATION: NO QUALIF STATUS: QUALIFIED	REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES. REPORT NO. QTR 105 REV 1.							
	REVISION NO. -01							
	PREPARER: BM 07/30/82 DATE							
	CHECKER : SKS 07/30/82 DATE							
	SYSTEM: CONT. PURGE & VACUUM RELIEF							
	QDEF SHEET NO. -0914							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	30 DAYS IN LOCA	FSAR TABLE	REF (1) P 10-14	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH			ENV	3.11-2	FIG 3	ENG EVAL		
PLANT NUMBER: 2HV-B154B	TEMPERATURE	269 F PEAK	346 F PEAK	LOCA PROFILE	REF (1) P 10-5 & 14 FIG 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3
MANUFACTURER: NAMCO	PRESSURE	144 PSIG PEAK	170 PSIG PEAK	LOCA PROFILE	REF (1) P 10-5 & 14 FIG 3	TYPE TEST		
MODEL AND SERIAL NUMBER: EA 180-31302	RELATIVE HUMIDITY	100%	100 %	FSAR TABLE	REF (1) P 10-9	TYPE TEST		
SERVICE DESCRIPTION: SERVING 2HV-B154B	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	33 MRADS	204 M RADS	RAD MAPS ZONE CC DWG: G-143	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A	AGING	140 YRS+1YR	1400 HRS AT	FSAR SEC 3.11.1	REF (1) P 10-6 (FIG.8) P4-12	TYPE TEST		
LOCATION: ANNULS BUILDING ELEVATION: + 46 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	INDEX FOR INCONSISTENCY!							
COORDINATES: AZ-202 DEG	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH	ANALYSIS M-2							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED				REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO. QTR 105 REV 1.				CHECKER : SKS 07/30/82 DATE
								SYSTEM: CONT. PURGE & VACUUM RELIEF
								QDEF SHEET NO.-0915

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	30 DAYS IN LOCA	FSAR TABLE 3.11-2	REF (1) P 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS:	
COMPONENT: SOLENOID			ENV		SEC.3.2.7	ENG EVAL.			
PLANT NUMBER: 2HV-B154B	TEMPERATURE PEAK	269 DEGF	346 DEGF PEAK	LOCA PROFILE	REF (1) P 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED:	
MANUFACTURER: ASCO	PRESSURE PEAK	144 PSIG	110 PSIG	LOCA PROFILE	REF (1) P 4-4 SEC.4.7	TYPE TEST		(1)QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING.	
MODEL AND SERIAL NUMBER: NP831664V	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF (1) P 4-4 SEC.4.7	TYPE TEST			
SERVICE DESCRIPTION: SERVING VALVE 2HV-B154B	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	20 M RADS	RAD MAPS ZONE:CC DWG: G-143	REF (2) SEE NOTE (1)	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	40 YRS	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC.3.11.1	REF. (1) APP. A P 9-3 & 4	TYPE TEST			
LOCATION: ANNULS BUILDING ELEVATION: +46 FT.	SUBMERGENCE	N/R	-	-	-	-			
FLOOD LEVEL EL: N/A FEET									
ABOVE FLOOD LEVEL: N/A									
COORDINATES: AZ-202 DEG	INDEX FOR INCONSISTENCY!								
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-1								REVISION NO.-01
QUALIF STATUS: NOT QUALIFIED									PREPARER:BM 07/30/82 DATE
									CHECKER :SKS 07/30/82 DATE
									REFERENCES: (1)ASCO TEST REPORT # AQS 21678/TR REV A JULY 1979
									(2)ASCO LETTER DATED 12/18/81
									SYSTEM:CONT. PURGE & VACUUM RELIEF
									QDEF SHEET NO.-0916

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	130 DAYS IN!	FSAR TABLE	REF (1)	TYPE	YES	QUALIFIED
COMPONENT:	LIMIT SWITCH			LOCA	3.11-2	P 10-14	TEST +		LIFE IS:
				ENV		FIG. 3	ENG		20 YEARS
							EVAL.		
PLANT NUMBER:	2HV-B155A	TEMPERATURE	135 DEGF	1346 DEGF	HVAC TEMP	REF (1)	TYPE		MAINTENANCE / REPLACEMENT SCHD:
				PEAK	MAP	P 10-5814	TEST		MAINTENANCE
					DWG G-143	FIG. 3			PROCEDURE
									EA189-90051
MANUFACTURER:	NAMCO	PRESSURE	ATM	SEE NOTE	FSAR TABLE	SEE NOTE	TYPE		REF(1)P.4-3
				(1)	3.11-1	(1)	TEST		(1) PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER:	EA180-31302	RELATIVE HUMIDITY	50 %	SEE NOTE	FSAR TABLE	SEE NOTE	-		
				(1)		(1)			
SERVICE DESCRIPTION:	SERVING VALVE 2HV-B155A				3.11-1				
FUNCTION:	AM	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED:	N/A	RADIATION	1 M RADS	204 M RADS	RAD MAPS	REF (1)	TYPE		EBASCO FILE NO:
					ZONE:HH	P 10-7	TEST		EQ-ME-1
					DWG: G-143				
ACCURACY DEMONS.:	N/A								
		AGING	140 YRS	1400 HRS AT	FSAR	REF. (1)	TYPE		
			+ 1 YR	248F EQUIV	SEC.3.11.1	P 10-6	TEST		
LOCATION:	AUX BUILDING	ACCIDENT		TO 20 YRS		(FIG.8)			
ELEVATION:	+46 FT.			AT 104F		P.4-12			
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL:	N/A								
COORDINATES:	M-6A	INDEX FOR INCONSISTENCY!							
		ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
		ANALYSIS M-2							PREPARER:BM 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:NO									DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82
									DATE
		REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES. REPORT NO. QTR 105 REV 1.							SYSTEM:CONT. PURGE & VACUUM RELIEF
									QDEF SHEET NO.-0917

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONT. PURGE & VACUUM RELIEF	OPERATING TIME	!!120 DAYS	!30 DAYS IN! !LOCA	FSAR TABLE! !3.11-2	REF (1) ! P 3-2	! TYPE ! TEST +	! YES	! QUALIFIED ! LIFE IS: ! 4 YEARS	
COMPONENT: SOLENOID		!!	!ENV	!	! SEC.3.2.7	! ENG ! EVAL.	!	!	
PLANT NUMBER: 2HV-B155A	TEMPERATURE	!!135 DEGF	!346 DEGF !PEAK	! HVAC TEMP ! MAP ! DWG G-143	! REF (1) ! P 4-4 ! SEC 4.7	! TYPE ! TEST	!	! MAINTENANCE / ! REPLACEMENT SCHD: ! 4 YRS COMPS ! REPLACEMENT ! REF(1) APP.I ! SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	!!ATM	!SEE NOTE !(1)	! FSAR TABLE ! 3.11-1	! SEE NOTE ! (1)	! -	!	! ((1) PRESSURE AND ! HUMIDITY ARE NOT ! CONSIDERED	
MODEL AND SERIAL NUMBER: NP831664V	RELATIVE HUMIDITY	!!50 %	!SEE NOTE !(1)	! FSAR TABLE	! SEE NOTE ! (1)	! -	!	! SIGNIFICANT ! PARAMETERS FOR ! EVALUATION	
SERVICE DESCRIPTION: SERVING VALVE 2HV-B155A	CHEMICAL SPRAY	!!N/R	!-	! -	! -	! -	!	!	
FUNCTION: AM		!!	!	!	!	!	!	!	
ACCURACY SPECIFIED: N/A	RADIATION	!!1 M RADS	!200 M RADS	! RAD MAPS ! ZONE:HH ! DWG: G-143	! REF (1) ! P 4-4 ! SEC 4.6	! TYPE ! TEST	!	! EBASCO FILE NO: ! EQ-ME-4	
ACCURACY DEMONS.: N/A		!!	!	!	!	!	!	!	
LOCATION: AUX BUILDING ELEVATION: +46 FT.	AGING	!!40 YRS !!+ 1 YR !!ACCIDENT	!268F FOR !12 DAYS EQ! !TO 4.4 YRS! !AT 140F	! FSAR ! SEC.3.11.1	! REF. (1) ! APP. A ! P 9-3 &4	! TYPE ! TEST	!	!	
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	!!N/R	!-	! -	! -	! -	!	!	
COORDINATES: M-6A	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE (IF REQUIRED)							!	!
ENVIRON'T IS HARSH	! ANALYSIS M-1							!	! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	! O! ! T! ! P! ! H! ! C! ! R! ! A! ! S!							!	! PREPARER: BM 07/30/82 ! DATE
QUALIF STATUS: QUALIFIED	! REFERENCES: (1)ASCO TEST REPORT # AQS 21678/TR REV A JULY 1979							!	! CHECKER :SKS 07/30/82 ! DATE
								!	! SYSTEM:CONT. PURGE & ! VACUUM RELIEF ! QDEF SHEET NO.-0918

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	30 DAYS IN LOCA	FSAR TABLE	REF(1) P 10-14	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH			ENV	3.11-2	FIG 3	ENG. EVAL.		
PLANT NUMBER: 2HV-B156A	TEMPERATURE	269 DEG F PEAK	346 DEG F PEAK	LOCA PROFILE	REF(1) P 10-5814	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3
MANUFACTURER: NAMCO	PRESSURE	144 PSIG PEAK	70 PSIG PEAK	LOCA PROFILE	REF(1) P 10-5814	TYPE TEST		
MODEL AND SERIAL NUMBER: EA 180-31302	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF(1) P 10-9	TYPE TEST		
SERVICE DESCRIPTION: SERVING 2HV-B156A				3.11-1	PARA 2			
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	204 M RADS	RAD MAPS. ZONE:CC	REF(1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A				DWG: G-143				
LOCATION: ANNULS BUILDING ELEVATION: +46 FT.	AGING	40 YRS + 1 YR	400 HRS AT 248F EQUIV TO 6 YRS AT 120 F	FSAR SEC. 3.11.1	REF(1) P 10-6 (FIG 8)	TYPE TEST		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R	-	-	-	-		
COORDINATES: AZ187DEG-35'	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-2							
QUALIF STATUS: QUALIFIED	OTHER EQUIPMENT THIS QDEF APPLIES TO:							
	REFERENCES: (1)NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO.QTR 105 REV 1.							
	REVISION NO. -01							
	PREPARER: BM 07/30/82							
	DATE							
	CHECKER : SKS 07/30/82							
	DATE							
	SYSTEM: CONT. PURGE & VACUUM RELIEF							
	QDEF SHEET NO. -0919							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. PURGE & VACUUM RELIEF	OPERATING TIME	1 HR	30 DAYS IN LOCA	FSAR TABLE	REF (1) P. 3-2	TYPE TEST		QUALIFIED LIFE IS:
COMPONENT: SOLENOID			ENV.	3.11-2	SEC 3.2.7			
PLANT NUMBER: 2HV-B156A	TEMPERATURE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF (1) P. 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: ASCO	PRESSURE	44 PSIG PEAK	110 PSIG PEAK	LOCA PROFILE	REF (1) P. 4-4 SEC 4.7	TYPE TEST		(1) QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING.
MODEL AND SERIAL NUMBER: NP 831664V	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	REF (1) P. 4-4 SEC 4.7	TYPE TEST		
SERVICE DESCRIPTION: SERVING 2HV-B156A	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	33 MRADS	20 M RADS	RAD MAPS. ZONE:CC	REF (2) SEE NOTE (1)	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A	AGING	40 YRS. + 1 YR	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC.	REF (1) APP. A P. 9.384	TYPE TEST		
LOCATION: ANNULS BUILDING ELEVATION: +46 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	INDEX FOR INCONSISTENCY!							
COORDINATES: AZ187DEG-35'	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER: SKS 07/30/82 DATE
QUALIF STATUS: NOT QUALIFIED				REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV. A JULY 1979 (2) ASCO LETTER DATED 12/18/81				SYSTEM: CONT. PURGE & VACUUM RELIEF
								QDEF SHEET NO.-0920

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:	
COMPONENT: FOR FUTURE		!!	!	!	!	!	!		
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!		
MODEL AND SERIAL NUMBER:		!!	!	!	!	!	!	DELETED THIS SHEET INTENTIONALLY LEFT BLANK	
SERVICE DESCRIPTION:	RELATIVE HUMIDITY	!!	!	!	!	!	!		
FUNCTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	RADIATION	!!	!	!	!	!	!		
ACCURACY DEMONS.:		!!	!	!	!	!	!		
LOCATION: BUILDING	AGING	!!	!	!	!	!	!		
ELEVATION: FT.		!!	!	!	!	!	!		
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!		
COORDINATES:	! INDEX FOR INCONSISTENCY!						!	!	
ENVIRON'T IS	! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:						!	!	REVISION NO. - 0
EQUIPMENT EXEMPT FROM QUALIFICATION:	! (IF REQUIRED) !						!	!	PREPARER: 07/30/82
QUALIF STATUS:	O! T! P! H! C! R! A! S!						!	!	DATE
	REFERENCES:						!	!	CHECKER: 07/30/82
							!	!	DATE
							!	!	SYSTEM:
							!	!	QDEF SHEET NO.-0921

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.		ANALYZED	
SYSTEM: CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	30 DAYS IN LOCA	FSAR TABLE 3.11-2	REF (1) P.10-14	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH			ENV		FIGURE 3	ENG EVAL		
PLANT NUMBER: 2HV-B157B	TEMPERATURE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF (1) P.10-5&14	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3
MANUFACTURER: NAMCO	PRESSURE	144 PSIG	170 PSIG PEAK	LOCA PROFILE	REF (1) P.10-5&14	TYPE TEST		
MODEL AND SERIAL NUMBER: EA 180-31302	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF (1) P.10-9	TYPE TEST		
SERVICE DESCRIPTION: SERVING 2HV-B157B	CHEMICAL SPRAY	N/R	-	-	PARA 2	-		
FUNCTION: AM	RADIATION	133 M RADS	204 M RADS	RADIATION MAPS ZONE -CC DWG G-143	REF (1) P.10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY SPECIFIED: N/A	AGING	140 YRS. + 1 YR	1400 HRS AT 248F EQUIV TO 6 YRS AT 120F	FSAR SECT 3.11.1	REF (1) P.10-6 (FIGURE 8)	TYPE TEST		
ACCURACY DEMONS.: N/A	SUBMERGENCE	N/R	-	-	P.4-12	-		
LOCATION: ANNULS BUILDING ELEVATION: +46 FT.	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
FLOOD LEVEL EL: N/A FEET	ANALYSIS M-2		O					REVISION NO. -01
ABOVE FLOOD LEVEL: N/A			T					PREPARER: BM 07/30/82 DATE
COORDINATES: AZ 136DEG.			P					CHECKER :SKS 07/30/82 DATE
ENVIRON'T IS HARSH			H	REFERENCES:	(1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES. REPORT NO.QTR 105 REV.1			SYSTEM:CONT. PURGE & VACUUM RELIEF
EQUIPMENT EXEMPT FROM QUALIFICATION: NO			C					QDEF SHEET NO. -0922
QUALIF STATUS: QUALIFIED			R					
			A					
			S					

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES		
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.					
SYSTEM:	CONT. PURGE & VACUUM RELIEF	OPERATING TIME	!! 1 HOUR	! 30 DAYS IN LOCA ENV	! FSAR TABLE 3.11-2	! REF(1) P.3-2 SEC 3.2.7	! TYPE TEST	!	! QUALIFIED LIFE IS:		
COMPONENT:	SOLENOID		!!	!	!	!	!	!			
PLANT NUMBER:	2HV-B157B	TEMPERATURE	!! 269 DEGF PEAK	! 346 DEGF PEAK	! LOCA PROFILE	! REF(1) P 4-4 SEC 4.7	! TYPE TEST	!	! MAINTENANCE / REPLACEMENT SCHD:		
MANUFACTURER:	ASCO	PRESSURE	!! 44 PSIG PEAK	! 110 PSIG PEAK	! LOCA PROFILE	! REF(1) P 4-4 SEC 4.7	! TYPE TEST	!	!		
MODEL AND SERIAL NUMBER:	NP 831G64V	RELATIVE HUMIDITY	!! 100%	! 100%	! FSAR TABLE 3.11-1	! REF(1) P.4-4 SEC 4.7	! TYPE TEST	!	! ((1)QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING.		
SERVICE DESCRIPTION:	SERVING 2HV-B157 B	CHEMICAL SPRAY	!! N/R	! -	!	!	!	!	!		
FUNCTION:	A.M.		!!	!	!	!	!	!	!		
ACCURACY SPECIFIED:	N/A	RADIATION	!! 33 M RADS	! 20 M RADS	! RADIATION MAPS ZONE -CC DWG G-143!	! REF(2) SEE NOTE (1)	! TYPE TEST	!	! EBASCO FILE NO: EQ-ME-4		
ACCURACY DEMONS.:	N/A	AGING	!! 40 YRS + 1 YR POST DBA	! 268 F FOR TO 4.4 YRS AT 140F	! FSAR SECT 3.11.1	! REF(1) APP. A P.9-3 & 4	! TYPE TEST	!	!		
LOCATION:	ANNULS BUILDING	SUBMERGENCE	!! N/R	! -	!	!	!	!	!		
ELEVATION:	+46 FT.		!!	!	!	!	!	!	!		
FLOOD LEVEL EL:	N/A FEET		!!	!	!	!	!	!	!		
ABOVE FLOOD LEVEL:	N/A		!!	!	!	!	!	!	!		
COORDINATES:	AZ 136DEG	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							!	!	
ENVIRON'T IS HARSH		! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!	! REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		O!								!	! PREPARER: BM 07/30/82
QUALIF STATUS: NOT QUALIFIED		T!								!	! DATE
		P!								!	! CHECKER :SKS 07/30/82
		H!	REFERENCES: (1)ASCO TEST REPORT # AQS 21678 / TR REV. A JULY 1979							!	! DATE
		C!								!	!
		R!								!	! SYSTEM:CONT. PURGE & VACUUM RELIEF
		A!	(2)ASCO LETTER DATED 12/18/81							!	!
		S!								!	! QDEF SHEET NO.-0923

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:								
COMPONENT: FOR FUTURE	OPERATING TIME	!!	!!	!!	!!	!!	!!	QUALIFIED LIFE IS:
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!!	!!	!!	!!	!!	MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: USE	PRESSURE	!!	!!	!!	!!	!!	!!	DELETED THIS SHEET INTENTIONALLY LEFT BLANK
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!!	!!	!!	!!	!!	
SERVICE DESCRIPTION:		!!	!!	!!	!!	!!	!!	
FUNCTION:	CHEMICAL SPRAY	!!	!!	!!	!!	!!	!!	
ACCURACY SPECIFIED:	RADIATION	!!	!!	!!	!!	!!	!!	
ACCURACY DEMONS.:		!!	!!	!!	!!	!!	!!	
LOCATION: BUILDING	AGING	!!	!!	!!	!!	!!	!!	
ELEVATION: FT.		!!	!!	!!	!!	!!	!!	
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!!	!!	!!	!!	!!	
ABOVE FLOOD LEVEL:		!!	!!	!!	!!	!!	!!	
COORDINATES:	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. - 0
ENVIRON'T IS								PREPARER: 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:								DATE
QUALIF STATUS:								CHECKER : 07/30/82
								DATE
								SYSTEM:
								QDEF SHEET NO. -0924

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:									
COMPONENT: FOR FUTURE	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:	
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!	DELETED, THIS SHEET INTENTIONALLY LEFT BLANK	
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!		
SERVICE DESCRIPTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
FUNCTION:	RADIATION	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	AGING	!!	!	!	!	!	!		
ACCURACY DEMONS.:									
LOCATION: BUILDING ELEVATION: FT.									
FLOOD LEVEL EL: FEET ABOVE FLOOD LEVEL:	SUBMERGENCE	!!	!	!	!	!	!		
COORDINATES:	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE (IF REQUIRED)								! REVISION NO. - 0
ENVIRON'T IS									! PREPARER: 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:									! DATE
QUALIF STATUS:									! CHECKER : 07/30/82
									! DATE
									! SYSTEM:
									! QDEF SHEET NO. -0925

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SHIELD BLDG. VENTILAT'N	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE 3.11-2	REF (1) P.10	TYPE TEST +		QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: MOTOR OPERATOR					FIG 1 AND REF(2)	ENG. EVAL.		
PLANT NUMBER: 2HV-B158A	TEMPERATURE	104 DEGF	SEE NOTE ((1))	HVAC TEMP MAPS DWG NO: G-134	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	ATM	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE (1)			((1))TEMP,PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: SMB-00-5/H2BC	RELATIVE HUMIDITY	50%	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE (1)			
SERVICE DESCRIPTION: SERVING 2HV-B158A	CHEMICAL SPRAY	N/R	-					
FUNCTION: A.M.								
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	20 M RADS	RADIATION MAPS ZONE: M DWG: G-134	REF (1) P 8 SEC 4.3	TYPE TEST		EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A	AGING	N/R	-					
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R	-					
COORDINATES: L-4A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS HARSH								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED								CHECKER :SKS 07/30/82 DATE
				REFERENCES: (1) LIMITORQUE CORP.REPORT # BO003 : APPENDIX D TO REPORT # BO058 (2) LIMITORQUE CORP. REPORT BO058 PARAGRAPH 3.2.1.3				SYSTEM:SHIELD BLDG. VENTILAT'N QDEF SHEET NO.-0926

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SHIELD BLDG. VENTILAT'N	OPERATING TIME	!! 120 DAYS	!! 16 DAYS	FSAR TABLE	REF (1) P. 10	TYPE TEST +		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: MOTOR OPERATOR		!!	!!	3.11-2	FIG 1 AND REF(2)	ENG EVAL		
PLANT NUMBER: 2HV-B159B	TEMPERATURE	!! 104 DEGF	!! SEE NOTE (1)	HVAC TEMP MAPS	!! SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	!! ATM	!! SEE NOTE (1)	FSAR TABLE	!! SEE NOTE (1)			!! (1) TEMP., PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: SMB-00-5/H2BC	RELATIVE HUMIDITY	!! 50 %	!! SEE NOTE (1)	FSAR TABLE	!! SEE NOTE (1)			
SERVICE DESCRIPTION: SERVING 2HV-B159B	CHEMICAL SPRAY	!! N/R	!! -					
FUNCTION: A.M		!!	!!					
ACCURACY SPECIFIED: N/A	RADIATION	!! 2.5 MRADS	!! 20 M RADS	RADIATION MAPS	!! REF (1) P 8	TYPE TEST		EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A		!!	!!	ZONE-M DWG G-134	!! SEC.4.3			
LOCATION: AUX BUILDING ELEVATION: + 46 FT.	AGING	!! N/R	!! -					
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	!! N/R	!! -					
ABOVE FLOOD LEVEL: N/A		!!	!!					
COORDINATES: L-6A	INDEX FOR INCONSISTENCY!			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED				REFERENCES: (1) LIMITORQUE CORP. REPORT #BO003:APPENDIX D TO REPORT # BO058 (2) LIMITORQUE CORP. REPORT BO058 PARAGRAPH 3.2.1.3				CHECKER :SKS 07/30/82 DATE
								SYSTEM:SHIELD BLDG. VENTILAT'N QDEF SHEET NO.-0927

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SHIELD BLDG. VENTILAT'N	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE	REF (1)	TYPE		QUALIFIED
COMPONENT: MOTOR OPERATOR				3.11-2	FIG. 1 AND REF(2)	TEST + ENG EVAL		LIFE IS: 40+1 YR ACC
PLANT NUMBER: 2HV-B160A	TEMPERATURE	135 DEGF	250 DEGF PEAK	HVAC TEMP MAPS	REF (1) P. 10 FIG. 1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: APP.A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: SMB-00-5/H2BC	RELATIVE HUMIDITY	50 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SERVING 2HV-B160A				3.11-1				
FUNCTION: A.M	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	1 M RADS	20 M RADS	RADIATION MAPS	REF (1) P. 8	TYPE TEST		EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A				ZONF-HH DWG G-143	SEC. 4.3			
LOCATION: AUX BUILDING ELEVATION: +46 FT.	AGING	40 YEARS + 1 YEAR	165 F FOR 199.8 HRS	FSAR SEC	REF (1) P. 7	TYPE TEST +		
	ACCIDENT			3.11.1	SEC. 4.1.4 AND REF(2)	ENG EVAL		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: M-5A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION.NO								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED								CHECKER :SKS 07/30/82 DATE
				REFERENCES:	(1) LIMITORQUE CORP. REPORT # BO003 : APPENDIX D TO REPORT # BO058			SYSTEM: SHIELD BLDG. VENTILAT'N
					(2) LIMITORQUE CORP. REPORT BO058 PARAGRAPH 3.2.1.3			QDEF SHEET NO.-0928

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SHIELD BLDG. VENTILAT'N	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE	REF (1) P. 10	TYPE		QUALIFIED LIFE IS:	
COMPONENT: MOTOR OPERATOR				3.11-2	FIG. 1 AND REF(2)	TEST + ENG EVAL		40+1 YR ACC	
PLANT NUMBER: 2HV-B161B	TEMPERATURE	135 DEGF	1250 DEGF PEAK	HVAC TEMP MAPS	REF (1) P. 10 DWG NO: G-143	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)	
MANUFACTURER: LIMITORQUE	PRESSURE	1 ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1) PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: SMB-00-5/H2BC	RELATIVE HUMIDITY	150 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
SERVICE DESCRIPTION: SERVING 2HV-B161B	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: A.M.	RADIATION	1 M RADS	20 M RADS	RADIATION MAPS	REF (1) P 8 ZONE -HH DWG G-143	TYPE TEST		EBASCO FILE NO: EQ-ME-5	
ACCURACY SPECIFIED: N/A	AGING	40 YRS + 1 YR	165 F FOR 199.8 HRS	FSAR SEC	REF (1) P 7	TYPE TEST +			
ACCURACY DEMONS.: N/A	LOCATION: AUX BUILDING ELEVATION: +46 FT.	ACCIDENT		3.11.1	SEC 4.1.4 AND REF(2)	ENG EVAL			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
COORDINATES: M-5A	OTHER EQUIPMENT THIS QDEF APPLIES TO:								
ENVIRON'T IS HARSH	REFERENCES: (1)LIMITORQUE CORP REPORT # BO003:APPENDIX D TO REPORT # BO058 (2)LIMITORQUE CORP.REPORT BO058 PARAGRAPH 3.2.1.3								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO									PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
									SYSTEM:SHIELD BLDG. VENTILAT'N
									QDEF SHEET NO.-0929

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SHIELD BLDG. VENTILAT'N	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE	REF (1) P 10	TYPE TEST +		QUALIFIED LIFE IS:
COMPONENT: MOTOR OPERATOR				3.11-2	FIG 1 AND REF(2)	ENG EVAL		40+1 YR ACC
PLANT NUMBER: 2HV-B162A	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC DWG NO G-134	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: APP.A TO LIMITORQUE REPORT # BOO58 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			(1) PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: SMB-00-5/H2BC	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			
SERVICE DESCRIPTION: SERVING 2HV-B162A	CHEMICAL SPRAY	N/R	-					
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	20 M RADS	RADIATION MAPS ZONE -M	REF (1) P 8 SEC 4.3			EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A	AGING	N/R	-					
LOCATION: AUX BUILDING ELEVATION: +46 FT.	SUBMERGENCE	N/R	-					
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A								
COORDINATES: K-6A	!INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE (IF REQUIRED) !							! REVISION NO.-01
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							! PREPARER:BM 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	REFERENCES: (1) LIMITORQUE CORP. REPORT # B0003 : APPENDIX D TO REPORT # BOO58							! DATE 07/30/82
QUALIF STATUS: QUALIFIED	(2)LIMITORQUE CORP. REPORT BOO58 PARAGRAPH 3.2.1.3							! CHECKER :SKS 07/30/82
								! DATE
								! SYSTEM:SHIELD BLDG. VENTILAT'N
								! QDEF SHEET NO -0930

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SHIELD BLDG. VENTILAT'N	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE	REF (1) P 10	TYPE TEST +		QUALIFIED LIFE IS: 40+1 YR ACC	
COMPONENT: MOTOR OPERATOR				3.11-2	FIG 1 AND REF(2)	ENG EVAL			
PLANT NUMBER: 2HV-B163B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO: G-134	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)	
MANUFACTURER: LIMITORQUE	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			((1)TEMP;PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: SMB-00-5/H2BC	RELATIVE HUMIDITY	50 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)				
SERVICE DESCRIPTION: SERVING 2HV-B163B	CHEMICAL SPRAY	N/R							
FUNCTION: A.M									
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	20 M RADS	RADIATION MAPS ZONE -M DWG G-134	REF (1) P.8 SEC 4.3	TYPE TEST		EBASCO FILE NO: EQ-ME-5	
ACCURACY DEMONS.: N/A	AGING	N/R							
LOCATION: AUX BUILDING ELEVATION: +46 FT.									
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R							
COORDINATES: L-6A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
ENVIRON'T IS HARSH									PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO									CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								REFERENCES: (1) LIMITORQUE CORP REPORT # BO003 : APPENDIX D TO REPORT # BO058 (2)LIMITORQUE CORP REPORT BO058 PARAGRAPH 3.2.1.3	SYSTEM:SHIELD BLDG. VENTILAT'N QDEF SHEET NO.-0931

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SHIELD BLDG. VENTILAT'N	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE 3.11-2	REF (1) P 10 FIG 1 AND REF(2)	TYPE TEST + ENG EVAL		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: MOTOR OPERATOR								
PLANT NUMBER: 2HV-B164A	TEMPERATURE	135 DEGF	250 DEGF PEAK	HVAC TEMP MAPS DWG NO: G-134	REF (1) P 10 FIG. 1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	1 ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: SMB-00-5/H2BC	RELATIVE HUMIDITY	150 %	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: 2HV-B164A	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: A.M								
ACCURACY SPECIFIED: N/A	RADIATION	1 MRADS	20 M RADS	RADIATION MAPS ZONE-HH DWG G-143	REF (1) P. 8 SEC.4.3	TYPE TEST		EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A	AGING	140 YRS + 1 YR	165 F FOR 199.8 HRS	FSAR SEC 3.11.1	REF (1) P. 7 SEC 4.1.4 AND REF(2)	TYPE TEST + ENG EVAL		
LOCATION: AUX BUILDING ELEVATION: +46 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A								
COORDINATES: M-6A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1) LIMITORQUE CORP. REPORT # BO003 : APPENDIX D TO REPORT # BO058 (2) LIMITORQUE CORP. REPORT BO058 PARAGRAPH 3.2.1.3							PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED								CHECKER : SKS 07/30/82 DATE
								SYSTEM: SHIELD BLDG. VENTILAT'N
								QDEF SHEET NO.-0932

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SHIELD BLDG. VENTILAT'N	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE	REF (1) P 10	TYPE TEST +		QUALIFIED LIFE IS:
COMPONENT: MOTOR OPERATOR				3.11-2	FIG. 1 AND REF(2)	ENG EVAL		40+1 YR ACC
PLANT NUMBER: 2HV-B165B	TEMPERATURE	135 DEGF	250 DEGF PEAK	HVAC TEMP MAPS	REF. (1) P 10	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT #
MANUFACTURER: LIMITORQUE	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		BO058 REF(1)
MODEL AND SERIAL NUMBER: SMB-00-5/H2BC	RELATIVE HUMIDITY	50 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1) PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: SERVING 2HV-B165B	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	1 MRADS	20 MRADS	RADIATION MAPS	REF (1) P 8	TYPE TEST		EPASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A	AGING	40 YRS	165F FOR 199.8 HRS	FSAR SEC	REF (1) P. 7	TYPE TEST +		
LOCATION: AUX BUILDING ELEVATION: +46 FT.	ACCIDENT			3.11.1	SEC.4.1.4 AND REF(2)	ENG. EVAL.		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: M-6A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								SYSTEM:SHIELD BLDG. VENTILAT'N
								QDEF SHEET NO.-0933

REFERENCES: (1) LIMITORQUE CORP. REPORT # BO003 ; APPENDIX D TO REPORT # BO058 (2)LIMITORQUE CORP.REPORT BO058 PARAGRAPH 3.2.1.3

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SHIELD BLDG. VENTILAT'N	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE 3.11-2	REF (1) P 10 FIG. 1 AND REF(2)	TYPE TEST + ENG EVAL		QUALIFIED LIFE IS: 40+1 YP ACC
COMPONENT: MOTOR OPERATOR								
PLANT NUMBER: 2HV-B167A	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO: G-134	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			
MODEL AND SERIAL NUMBER: SMB-00-2/HOBC	RELATIVE HUMIDITY	50 %	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			(1) PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: SERVING 2HV-B167A								
FUNCTION: A.M	CHEMICAL SPRAY	N/R	-					
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	20 M RADS	RADIATION MAPS ZONE-M DWG G-134	REF (1) P. 8 SEC. 4.3	TYPE TEST		EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A	AGING	N/R	-					
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-					
ABOVE FLOOD LEVEL: N/A								
COORDINATES: L - 5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								SYSTEM: SHIELD BLDG. VENTILAT'N QDEF SHEET NO. -0934
				REFERENCES:	(1) LIMITORQUE CORP. REPORT # BO003 : APPENDIX D TO REPORT # BO058 (2) LIMITORQUE CORP. REPORT BO058 PARAGRAPH 3.2.1.3			

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SHIELD BLDG. VENTILAT'N	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE	REF (1)	TYPE		QUALIFIED
COMPONENT: MOTOR OPERATOR				3.11-2	FIG 1 AND REF(2)	TEST + ENG EVAL		LIFE IS: 40+1 YR ACC
PLANT NUMBER: 2HV-B168B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO: G-134	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			(1) TEMP,PRESSURE AND HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: SMB-00-2/HOBC	RELATIVE HUMIDITY	50 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			
SERVICE DESCRIPTION: SERVING 2HV-B168B	CHEMICAL SPRAY	N/R	-					
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	20 M RADS	RADIATION MAPS ZONE -M DWG G-134	REF (1) P 8 SEC. 4.3	TYPE TEST		EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A	AGING	N/R	-					
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-					
ABOVE FLOOD LEVEL: N/A								
COORDINATES: L - 5A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED	REFERENCES: (1) LIMITORQUE CORP. REPORT # BO003: APPENDIX D TO REPORT # BO058 (2) LIMITORQUE CORP.REPORT BO058 PARAGRAPH 3.2.1.3							SYSTEM:SHIELD BLDG. VENTILAT'N QDEF SHEET NO.-0935

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: SHIELD BLDG. VENTILAT'N	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF(1) P 4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH				3.11-2		ENG EVAL			
PLANT NUMBER: 3HV-B175A	TEMPERATURE	135 DEGF	248 DEGF	HVAC TEMP MAPS	REF(1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	1 ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1)PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 170-32302	RELATIVE HUMIDITY	150%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
SERVICE DESCRIPTION: SERVING 2HV-B175A	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	1 M RADS	204 M RADS	RADIATION MAPS	REF(1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A	AGING	140 YRS. + 1 YR	1400 HRS @ 120 C EQV	FSAR SECT	REF(1) P.4-27	TYPE TEST			
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.	POST DBA		TO 20 YRS @ 104 DEGF	3.11.1	(FIG 14) P.10-62				
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: M - 8A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-3								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								REVISION NO. -01	
QUALIF STATUS: QUALIFIED								PREPARER: BM 07/30/82 DATE	
								CHECKER: SKS 07/30/82 DATE	
								REFERENCES: (1)NAMCO QUALIFICATION OF EA 170-XX302 REPORT NO. QTR 107 REV O	
								SYSTEM: SHIELD BLDG. VENTILAT'N	
								QDEF SHEET NO. -0936	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE	REF (1) P 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID				3.11-2	SEC 3.2.7	ENG EVAL			
PLANT NUMBER: 2HV-B175A	TEMPERATURE	135 F	346 F PEAK	HVAC TEMP MAPS	REF (1) P 4-4	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: 4 YRS COMPS. REPLACEMENT REF (1) APP. I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: NP 831664V	RELATIVE HUMIDITY	50 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
SERVICE DESCRIPTION: 2HV-B175A	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	1 M RADS	200 M RADS	RADIATION MAPS	REF (1) P 4-4	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	40 YRS	268 F FOR 12 DAYS EQ	FSAR SECT	REF (1) APP A	TYPE TEST			
LOCATION: AUX BUILDING ELEVATION: +46 FT.	ACCIDENT		TO 4.4 YRS AT 104 F	3.11.1	P9-3 & 4				
FLOOD LEVEL EL: N/A, FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: M-8A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-1								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV A JULY 1979								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
									SYSTEM: CONT. PURGE & VACUUM RELIEF
									QDEF SHEET NO. -0937

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF (1) P 4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH				3.11-2		ENG. EVAL			
PLANT NUMBER: 3HV-B176B	TEMPERATURE	135 DEGF	248 DEGF	HVAC TEMP MAPS	REF (1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P. 4-17	
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 170-32302	RELATIVE HUMIDITY	50 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
SERVICE DESCRIPTION: SERVING 2HV-B176B									
FUNCTION: A.M	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	1 M RADS	204 M RADS	RADIATION MAPS	REF (1) P 10-6	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A				ZONE -HH	DWG G-143				
LOCATION: AUX BUILDING	AGING	140 YRS	120C EQUIV	FSAR SECT	REF (1) P4-27	TYPE TEST			
ELEVATION: +46.0 FT.	ACCIDENT	AT 104 F	AT 104 F	3.11.1	(FIG 14) P 10-62				
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: M-8A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO.-01
ENVIRONMENT IS HARSH	ANALYSIS M-3								PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1)NAMCO QUALIFICATION OF EA 170-XX302								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED	REPORT NO.QTR 107 REV 0								SYSTEM:CONT. PURGE & VACUUM RELIEF
									QDEF SHEET NO.-0938

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE	REF (1) P.3-2 SEC 3.2.7	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID								
PLANT NUMBER: 2HV-B176B	TEMPERATURE	135 F	346F PEAK	HVAC TEMP MAPS DWG NO: G-143	REF (1) P 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: 4 YRS COMPS REPLACEMENT REF(1) APP.I SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1)PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: NP 831664V	RELATIVE HUMIDITY	150 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SERVING 2HV-B176B	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: A M								
ACCURACY SPECIFIED: N/A	RADIATION	1 M RADS	200 M RADS	RADIATION MAPS ZONE -HH DWG:G-143	REF(1) P 4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A	AGING	140 YRS + 1 YR POST DBA	268F FOR 12 DAYS EQV TO 4.4 YRS AT 140F	FSAR SECT	REF (1) APP A P.9-384	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A								
COORDINATES: M-8A	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-1							REVISION NO.-01
QUALIF STATUS: QUALIFIED	REFERENCES: (1) ASCO TEST REPORT #AQS21678 /TR REV.A- JULY 1979							PREPARER:BM 07/30/82 DATE
								CHECKER :SKS 07/30/82 DATE
								SYSTEM:CONT. PURGE & VACUUM RELIEF
								QDEF SHEET NO.-0939

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: CONT. ATMOS. RELEASE(CARS)	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF(1) P 4-18	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH				3.11-2					
PLANT NUMBER: 2HV-B187B	TEMPERATURE	135 F	248 F	HVAC TEMP MAPS	REF(1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
MODEL AND SERIAL NUMBER: EA 1 41302	RELATIVE HUMIDITY	50 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		((1)PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION: SERVING 2HV-B187B	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	1 M RADS	204 M RADS	RAD MAPS	REF(1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONSTRATED: N/A	AGING	140 YRS	400 HRS AT 120C EQUIV	FSAR SECT	REF(1) P4-27	TYPE TEST			
LOCATION: AUX BUILDING	POST DBA		TO 20 YRS	3.11.1	(FIG 14)				
ELEVATION: +46.0 FT.			AT104F		P10-62				
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: M-8A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRONMENT IS HARSH	ANALYSIS M-3								OTHER EQUIPMENT THIS QDEF APPLIES TO: REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION NO									PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
	REFERENCES: (1)NAMCO QUALIFICATION OF EA 170-XX302 REPORT NO QTR 107 REV 0								SYSTEM:CONT. ATMOS. RELEASE(CARS)
									QDEF SHEET NO.-0940

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. ATMOS. RELEASE(CARS)	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF(1) P4-18	TYPE TEST+ ENG EVAL	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 2HV-B188A	TEMPERATURE	135 DEGF	248DEGF	HVAC TEMP MAPS DWG NO: G-143	REF(1) P4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P4-17
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1)PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGN-FICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 170-41302	RELATIVE HUMIDITY	50 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SERVING 2HV-B188A								
FUNCTION: A M	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	1 M RADS	204 M RADS	RAD MAPS ZONE -HH DWG:G-143	REF(1) P10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	40 YRS	400 HRS AT 120C EQUIV TO 20 YRS AT104F	FSAR SECT	REF(1) P4-27 (FIG 14)	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.		POST DBA		3.11.1	(FIG 14)			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: M-8A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH	ANALYSIS M-3			O!				REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO				T!				PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED				P!				CHECKER :SKS 07/30/82 DATE
				H!	REFERENCES: (1)NAMCO QUALIFICATION OF EA 170-XX302 REPORT NO QTR 107			
				C!	REV 0			
				R!				SYSTEM:CONT. ATMOS. RELEASE(CARS)
				A!				QDEF SHEET NO. -0941
				S!				

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. ATMOS. RELEASE(CARS)	OPERATING TIME	120 DAYS	1400 HOURS	FSAR TABLE	REF (1) P 4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH				3.11-2		ENG. EVAL.		
PLANT NUMBER: 2HV-B187B	TEMPERATURE	135 DEGF	1248 DEGF	HVAC TEMP MAPS DWG G-143	REF (1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P 4-17
MANUFACTURER: NAMCO	PRESSURE	1ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		((1) PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 170-42302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SERVING 2HV-B187B				3.11-1				
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	1 M RADS	1204 M RADS	RAD MAPS ZONE: HH DWG G-143	REF. (1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	140 YRS+1YR	1400 HRS AT 1248F EQUIV TO 20 YRS AT 104 F	FSAR TABLE SEC 3.11.1	REF.(1) P 4-27 (FIG.14) P 10-62	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: M-8A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:			REVISION NO.-01	
ENVIRON'T IS HARSH	ANALYSIS M-3							PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								SYSTEM 'NT. ATMOS. _LEASE(CARS)
								QDEF SHEET NO.-0942

REFERENCES: (1) NAMCO QUALIFICATION OF EA 170-XX302 REPORT NO. QTR 107 REV 0

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	CONT. ATMOS. RELEASE(CARS)	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF(1) P 4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT:	LIMIT SWITCH				3.11-2		ENG. EVAL.			
PLANT NUMBER:	2HV-B188A	TEMPERATURE	135 DEGF	248 DEGF	HVAC TEMP MAPS DWG NO: G-143	REF(1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER:	NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
MODEL AND SERIAL NUMBER:	EA170-42302	RELATIVE HUMIDITY	150%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		((1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION:	SERVING 2HV-B188A	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION:	ACCIDENT MITIGATION									
ACCURACY SPECIFIED:	N/A	RADIATION	1 M RADS	204 M RADS	RADIATION MAPS ZONE -HH DWG G-143	REF(1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.:	N/A	AGING	140 YRS + 1 YR POST DBA	400 HRS @ 120 C EQV. 20 YRS @ 104 DEGF	FSAR SECT 3.11.1	REF(1) P.4-27 (FIG 14) P10-62	TYPE TEST			
LOCATION:	AUX BUILDING	SUBMERGENCE	N/R	-	-	-	-			
ELEVATION:	+46.0 FT.									
FLOOD LEVEL EL:	N/A FEET									
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	M - 8A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:								
ENVIRON'T IS HARSH		ANALYSIS M-3 O! T! P! H! C! R! A! S!								REVISION NO.-C1
EQUIPMENT EXEMPT FROM QUALIFICATION:NO		REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO QTR 107 REV O								PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED										CHECKER :SKS 07/30/82 DATE
										SYSTEM:CONT. ATMOS. RELEASE(CARS)
										QDEF SHEET NO.-0943

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: CONT. ATMOS. RELEASE(CARS)	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF (1) P 4-18	TYPE TEST+ ENG EVAL	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH				3.11-2					
PLANT NUMBER: 2HV-B189A	TEMPERATURE	135 DEGF	248 DEGF	HVAC TEMP MAPS	REF(1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTNERANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
MODEL AND SERIAL NUMBER: EA170-41302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION: SERVING 2HV-B189A	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: ACCIDENT MITIGATION	RADIATION	1 M RADS	204 M RADS	RADIATION MAPS	REF(1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY SPECIFIED: N/A				ZONE -HH					
ACCURACY DEMONS.: N/A	AGING	40 YRS	400 HRS @ 120 C EQV.	FSAR SECT	REF(1) P 4-27	TYPE TEST			
LOCATION: AUX BUILDING ELEVATION: +46 FT.	POST DBA		20 YRS @ 104 DEGF	3.11.1	(FIG 14) P10 -62				
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R	-	-	-	-			
COORDINATES: M-5A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-3								PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO									CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPORT NO QTR 107 REV O	SYSTEM:CONT. ATMOS. RELEASE(CARS) QDEF SHEET NO.-0944

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: CONT. ATMOS. RELEASE(CARS)	OPERATING TIME	120 DAYS	1400 HOURS	FSAR TABLE 3.11-2	REF(1) P 4-18	TYPE TEST+ ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 2HV-B189A	TEMPERATURE	135 DEGT	248DEGF	HVAC TEMP MAPS DWG NO: G-143	REF(1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	1 ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA170-42302	RELATIVE HUMIDITY	50 %	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SERVING 2HV-B189A	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: ACCIDENT MITIGATION								
ACCURACY SPECIFIED: N/A	RADIATION	1 M RADS	204 M RADS	RADIATION MAPS ZONE -HH DWG G-143	REF(1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	40 YRS + 1 YR	1400 HRS @ 120 C EQV.	FSAR SECT 3.11.1	REF(1) P.4-27 (FIG 14)	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: +46 FT.	POST DBA		20 YRS @ 104 DEGF					
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: M - 5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	ANALYSIS M-3							
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	OTHER EQUIPMENT THIS QDEF APPLIES TO:							
QUALIF STATUS: QUALIFIED	REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO QTR 107. REV O							
	REVISION NO. -01							
	PREPARER: BM 07/30/82 DATE							
	CHECKER : SKS 07/30/82 DATE							
	SYSTEM: CONT. ATMOS. RELEASE(CARS)							
	QDEF SHEET NO. -0945							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. ATMOS. RELEASE(CARS)	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF (1) P4-18	TYPE TEST+ ENG EVAL	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH				3.11-2				
PLANT NUMBER: 2HV-B190A	TEMPERATURE	135 DEGF	248DEGF	HVAC TEMP MAPS DWG NO: G-143	REF(1) P4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA170-41302	RELATIVE HUMIDITY	50 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SERVING 2HV-B190A	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	1 M RADS	204 M RADS	RADIATION MAPS ZONE -HH DWG G-143	REF(1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	40 YRS	400 HRS @ 120 C EQV.	FSAR SECT	REF(1) P 4-27	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: +46 FT.	POST DBA		20 YRS @ 104 DEGF	3.11.1	(FIG 14) P10-62			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: M-5A	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-3							REVISION NO. -01
QUALIF STATUS: QUALIFIED								PREPARER: BM 07/30/82 DATE
								CHECKER :SKS 07/30/82 DATE
								REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO QTR 107 REV O
								SYSTEM: CONT. ATMOS. RELEASE(CARS)
								QDEF SHEET NO. -0946

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. ATMOS. RELEASE(CARS)	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF (1) P 4-18	TYPE TEST+ ENG EVAL	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH				3.11-2				
PLANT NUMBER: 2HV-B190A	TEMPERATURE	135 DEGF	248DEGF	HVAC TEMP MAPS DWG NO: G-143	REF (1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P4-17.
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
MODEL AND SERIAL NUMBER: EA170-42302	RELATIVE HUMIDITY	150 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		((1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: SERVING 2HV-B190A	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: ACCIDENT MITIGATION								
ACCURACY SPECIFIED: N/A	RADIATION	1 M RADS	204 M RADS	RADIATION MAPS ZONE -HH DWG G-143	REF(1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	140 YRS + 1 YR	400 HRS @ 120 C EQV. 20 YRS @ 104 DEGF	FSAR SECT 3.11.1	REF(1) P 4-27 (FIG 14) P10-62	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: +46 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A								
COORDINATES: M - 5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-3							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO QTR 107 REV O							PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED								CHECKER :SKS 07/30/82 DATE
								SYSTEM:CONT. ATMOS. RELEASE(CARS)
								QDEF SHEET NO. -0947

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. ATMOS. RELEASE(CARS)	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF(1) P4-18	TYPE TEST+ ENG EVAL	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH				3.11-2				
PLANT NUMBER: 2HV-B191B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO: G-134	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P4-17
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			
MODEL AND SERIAL NUMBER: EA170-41302	RELATIVE HUMIDITY	50 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			(1)TEMPERATURE, PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: SERVING 2HV-B191B	CHEMICAL SPRAY	N/R	-					
FUNCTION: ACCIDENT MITIGATION								
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAPS ZONE -M DWG G-134	REF(1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	N/R	-					
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-					
ABOVE FLOOD LEVEL: N/A								
COORDINATES: L- 7A.	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH	ANALYSIS M-3	O						REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		T						PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED		P						CHECKER :SKS 07/30/82 DATE
		H		REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO QTR 107 REV O				
		C						SYSTEM:CONT. ATMOS. RELEASE(CARS)
		R						QDEF SHEET NO.-0948
		A						
		S						

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONT. ATMOS. RELEASE(CARS)	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF (1) P 4-18	TYPE TEST + ENGL. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 2HV-B191B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO: G-134	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA170-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)TEMPERATURE, PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA170-42302	RELATIVE HUMIDITY	50 %	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: SERVING 2HV-B191B									
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAPS ZONE:-M DWG: G-134	REF (1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-			
LOCATION: AUX BUILDING ELEVATION: +46 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: L-7A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-3								
ENVIRON. T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPORT NO QTR 107 REV O								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER : SKS 07/30/82 DATE
									SYSTEM: CONT. ATMOS. RELEASE(CARS)
									QDEF SHEET NO.-0949

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. ATMOS. RELEASE(CARS)	OPERATING TIME	120 DAYS	1400 HOURS	FSAR TABLE 3.11-2	REF (1) P 4-18	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 2HV-B192B	TEMPERAT- URE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO: G-134	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P4-17
MANUFACTURER: NAMCO	PRESSURE	1ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)TEMPERATURE, PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA170-41302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SERVING 2HV- B192B								
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAPS ZONE: M DWG: G-134	REF (1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING ELEVATION: +46 FT.	AGING	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET	SUBMER- GENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: L-7A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE ! (IF REQUIRED) !			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-3	O!	T!	P!	H!	C!	R!	PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								SYSTEM:CONT. ATMOS. RELEASE(CARS)
								QDEF SHEET NO.-0950

REFERENCES: (1) NAMCO QUALIFICATION OF
EA170-XX302 REPORT NO QTR 107
REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. PURGE & VACUUM RELIEF	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENV.	FSAR TABLE	REF (1) P.3-2	TYPE TEST + ENJ. EVAL.	YES	QUALIFIED LIFE IS:
COMPONENT: SOLENOID				3.11-2	SEC 3.2.7			
PLANT NUMBER: 2HV-B153B	TEMPERATURE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF (1) P.4-4 SEC.4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ASCO	PRESSURE	144 PSIG PEAK	110 PSIG PEAK	LOCA PROFILE	REF (1) P. 4-4 SEC 4.7	TYPE TEST		(1)QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING.
MODEL AND SERIAL NUMBER: NP 831664V	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	REF (1) P. 4-4 SEC 4.7	TYPE TEST		
SERVICE DESCRIPTION: SERVING VALVE 2 HV-B153B				3.11-1	SEC 4.7			
FUNCTION: AM	CHEMICAL SPRAY	PH 5 TO 9 BORON 1750 TO 2150 PPM	PH 9.5 TO 10.5 BORON 3000 PPM	FSAR TABLE	REF (1) P. 4-4 SEC 4.7	TYPE TEST		
ACCURACY SPECIFIED: N/A	RADIATION	33 MRADS	120 M RADS	RAD MAPS ZONE:CC DWG: G-143	REF (2) SEE NOTE (1)	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A	AGING	140 YRS. + 1 YR ACC.	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC. 3.11.1	REF (1) APP.A P. 9-3&4	TYPE TEST		
LOCATION: CONT BUILDING ELEVATION: +46 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL CL: 0.5 FEET ABOVE FLOOD LEVEL: YES								
COORDINATES: AZ 202 DEG.	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-1							
QUALIF STATUS: NOT QUALIFIED	OTHER EQUIPMENT THIS QDEF APPLIES TO:							
	REFERENCES: (1)ASCO TEST REPORT # AQS 21678/TR REV A JULY 1979 (2)ASCO LETTER DATED 12/18/81							
	REVISION NO.-01							
	PREPARER: BM 07/30/82 DATE							
	CHECKER :SKS 07/30/82 DATE							
	SYSTEM:CONT. PURGE & VACUUM RELIEF							
	QDEF SHEET NO.-0951							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTAINMENT COOLING	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	PG 16 OF REPORT NO. X 604	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: FAN MOTOR								
PLANT NUMBER: AH-1(3C-SA)	TEMPERATURE	269 DEGF LOCA PEAK	330 DEGF PEAK	FSAR TABLE 3.11-1	PG 16 OF REPORT NO. X 604	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: RELIANCE	PRESSURE	144 PSIG	78-8 HRS	FSAR TABLE 3.11-1	PG 16 OF REPORT NO. X 604	TYPE TEST		
MODEL AND SERIAL NUMBER: TEAG 449T FRAME	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	PG 2 OF REPORT NO. X 604	TYPE TEST		(1)TESTED LOCA PROFILE AS FOLLOWS 315 DEGF 4 HRS 330 DEGF-4 HRS 320 DEGF-3 HRS 300 DEGF-4 HRS 250 DEGF-1 YEAR +40 DAYS
SERVICE DESCRIPTION: SERVING UNIT AH-1(3C-SA)	CHEMICAL SPRAY	PH 5.0 TO 9.0 BCRO 1750 TO 2150 PPM	PH 10.5 BORON 3000 PPM	FSAR TABLE 3.11-1	APPENDIX A PG 8 OF REPORT X 604	TYPE TEST		(2)EBASCO FILE NO: EQ-HV-3
ACCURACY SPECIFIED: N/A	RADIATION	33 MRADS	300 MRADS	RADIATION MAPS	APPENDIX F PG 5 OF REPORT X 604	TYPE TEST + EVAL.	YES	
ACCURACY DEMONS.: N/A	AGING	40 YEARS	108 HRS @ 416 F	FSAR SECT 3.11.1	PG 586 OF REPORT NO. X 604	TYPE TEST + EVAL.	YES	
LOCATION: CONT. BUILDING ELEVATION: +21.0 FT.	SUBMERGENCE	NOT REQUIRED						
FLOOD LEVEL EL: +.47 FEET								
ABOVE FLOOD LEVEL: YES								
COORDINATES: AZ+337 DEG	INDEX FOR INCONSISTENCY!			ANALYSIS IN WORKFILE (IF REQUIRED)		OTHER EQUIPMENT THIS QDEF APPLIES TO:		REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: EAB 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:								DATE
QUALIF STATUS: QUALIFIED								CHECKER :AKB 07/30/82
								DATE
	ANALYSIS H01							SYSTEM: CONTAINMENT
	ANALYSIS W06							COOLING
								QDEF SHEET NO.-0952

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:									
COMPONENT:	FOR FUTURE							QUALIFIED LIFE IS:	
PLANT NUMBER:	RESERVED	TEMPERATURE						MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	USE	PRESSURE							
MODEL AND SERIAL NUMBER:								DELETED, THIS SHEET INTENTIONALLY LEFT BLANK	
SERVICE DESCRIPTION:		RELATIVE HUMIDITY							
FUNCTION:		CHEMICAL SPRAY							
ACCURACY SPECIFIED:		RADIATION							
ACCURACY DEMONS.:									
LOCATION:	BUILDING	AGING							
ELEVATION:	FT.								
FLOOD LEVEL EL:	FEET	SUBMERGENCE							
ABOVE FLOOD LEVEL:									
COORDINATES:		INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS		(IF REQUIRED)						REVISION NO. - 0	
EQUIPMENT EXEMPT FROM QUALIFICATION:			O!					PREPARER: 07/30/82	
QUALIF STATUS:			T!					DATE	
			P!					CHECKER : 07/30/82	
			H!	REFERENCES:				DATE	
			C!						
			R!					SYSTEM:	
			A!						
			S!					QDEF SHEET NO.-0953	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTAINMENT COOLING	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	PG 16 OF REPORT NO. X 604	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACL
COMPONENT: FAN MOTOR								
PLANT NUMBER: AH-1(3B-SB)	TEMPERATURE	269 DEGF LOCA PEAK	330 DEGF PEAK	FSAR TABLE 3.11-1	PG 16 OF REPORT NO. X 604	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: RELIANCE	PRESSURE	144 PSIG	78-8 HRS	FSAR TABLE 3.11-1	PG 16 OF REPORT NO. X 604	TYPE TEST		(1)TESTED LOCA PROFILE AS FOLLOWS
MODEL AND SERIAL NUMBER: TEAO 449T FRAME	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	PG 2 OF REPORT NO. X 604	TYPE TEST		315 DEGF-4 HRS 330 DEGF-4 HRS 320 DEGF-3 HRS 300 DEGF-4 HRS 250 DEGF-1 YEAR +40 DAYS
SERVICE DESCRIPTION: SERVING UNIT AH-1(3B-SB)	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON 1750 TO 2150 PPM	PH 10.5 BORON 3000 PPM	FSAR TABLE 3.11-1	APPENDIX A PG 8 OF REPORT X 604	TYPE TEST		(2)EBASCO FILE NO: EQ-HV-3
ACCURACY SPECIFIED: N/A	RADIATION	33 MRADS	300 MRADS	RADIATION MAPS	APPENDIX F PG 5 OF REPORT X 604	TYPE TEST + EVAL.	YES	
ACCURACY DEMONS.: N/A	AGING	40 YEARS	108 HRS @ 416 F	FSAR SECT 3.11.1	PG 586 OF REPORT NO. X 604	TYPE TEST + EVAL.	YES	
LOCATION: CONT. BUILDING								
ELEVATION: -4.0 FT.								
FLOOD LEVEL EL: +.47 FEET	SUBMERGENCE	NOT REQUIRED						
ABOVE FLOOD LEVEL: YES								
COORDINATES: AZ.23 DEG	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							
EQUIPMENT EXEMPT FROM QUALIFICATION:	OTHER EQUIPMENT THIS QDEF APPLIES TO:							
QUALIF STATUS: QUALIFIED	REFERENCES: (1)JOY MANUFACTURING CO. QUALIFICATION REPORT X-604, REVISION 2.DATED MARCH 20,1980 (JOY FAN AND RELIANCE MOTOR)							
	ANALYSIS H01							REVISION NO.-01
	ANALYSIS W06							PREPARER: EAB 07/30/82
								DATE
								CHECKER :AKB 07/30/82
								DATE
								SYSTEM: CONTAINMENT COOLING
								QDEF SHEET NO.-0954

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:	
COMPONENT: FOR FUTURE		!!	!	!	!	!	!		
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!		
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!	DELETED, THIS SHEET INTENTIONALLY LEFT BLANK	
SERVICE DESCRIPTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
FUNCTION:		!!	!	!	!	!	!		
ACCURACY SPECIFIED:	RADIATION	!!	!	!	!	!	!		
ACCURACY DEMONS.:		!!	!	!	!	!	!		
LOCATION: BUILDING	AGING	!!	!	!	!	!	!		
ELEVATION: FT.		!!	!	!	!	!	!		
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!		
COORDINATES:	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: ! (IF REQUIRED) !						!	!	
ENVIRON'T IS			O!					REVISION NO. - 0	
EQUIPMENT EXEMPT FROM QUALIFICATION:			T!					PREPARER: 07/30/82 DATE	
QUALIF STATUS:			P!					CHECKER: 07/30/82 DATE	
			H!	REFERENCES:					
			C!						
			R!					SYSTEM:	
			A!						
			S!					QDEF SHEET NO. -0955	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: CONTAINMENT COOLING	OPERATING TIME	1 HOUR	133 DAYS	FSAR TABLE	REPT#37274	TYPE	YES	QUALIFIED
COMPONENT: PNEUMATIC OPERATOR			IN LOCA ENVIRON- MENT	3.11-2	VOL VI SEC II PG 11-1 & FIGURE-1	TEST + ENG. EVAL.		LIFE IS: 5 YEARS
PLANT NUMBER: D-69(SA)	TEMPERATURE	414 DEGF. MSLB PEAK	375 DEGF PEAK	FSAR SECTION	REPORT NO. 37274 VOL VI SEC. II FIGURE-1	TYPE TEST + ENG. EVAL.	YES	MAINTENANCE / REPLACEMENT SCHD: PISTON SEALS & LUBRICANT 5 YEARS
MANUFACTURER: GH BETTIS	PRESSURE	44 PSIG MSLB PEAK	77-6 HRS 66-5 HRS	FSAR SECTION	REP NO: 372 74 VOL VI SEC. II FIGURE-1	TYPE TEST		LOCA/MSLB TEST PROFILE DEGF-TIME
MODEL AND SERIAL NUMBER: NT-312 B-SR4-12			33-9 DAYS	6.2				355 - 1 HR
SERVICE DESCRIPTION: SERVING DAMPER D-69(SA)	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	REPT#37274	TYPE TEST		377 - 1 MIN. 355 - 1 HR 335 - 2 HRS 315 - 3 HRS 280 - 12 HRS 265 - 3 DAYS
FUNCTION: AM	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON 1750 TO 2150 PPM	BORIC ACID + SOD HYDR OXIDE PH= 11	FSAR TABLE	REPT 372 74 VOL VI SEC II PG 11-1	TYPE TEST		245 - 6 DAYS 235 - 23 DAYS (1)EBASCO FILE NO: EQ-HV-4
ACCURACY SPECIFIED: N/A	RADIATION	2.6 MRADS	140 MRADS	RADIATION	REP#37274	TYPE TEST		
ACCURACY DEMONS.: N/A				MAPS ZONE:CC	VOL V PGIV-4			
LOCATION: CONT. BUILDING ELEVATION: +46.0 FT.	AGING	140 YEARS	294 HOURS AT 250 DEG F	FSAR SECT	REPT#37274 APP B & VOL. V PG II-1	TYPE TEST + ENG. EVAL.	YES	
FLOOD LEVEL EL: +.47 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	NOT REQUIRED						
COORDINATES: AZ. 23 DEG	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	ANALYSIS H03	O						REVISION NO. -01
	ANALYSIS W02	T						PREPARER: EAB 07/30/82 DATE
		P						CHECKER : AKB 07/30/82 DATE
		H		REFERENCES:	(1)GH BETTIS NUCLEAR QUALIFICATION TEST REPORT NO-37274 (REV.4) DATED OCT.2, 1981			SYSTEM: CONTAINMENT COOLING
	ANALYSIS W02	A						QDEF SHEET NO. -0956
		S						

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONTAINMENT COOLING	OPERATING TIME	!! 1 HOUR	! 30 DAYS IN LOCA ENVIRONMENT	! FSAR TABLE 3.11-2	! REF. (1) SEC. 3.2.7 P. 3-2	! TYPE TEST + ENG. EVAL.	! YES	! QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID VALVE									
PLANT NUMBER: D-69(SA)	TEMPERATURE	!! 414 DEGF MSLB PEAK	! 346 DEGF PEAK	! FSAR SEC. 6.2	! REF. (1) SEC 4.7 P. 4-4 FIG. 1 P. 3-3	! TYPE TEST + ENG. EVAL.	! YES	! MAINTENANCE / REPLACEMENT SCHD: COILS & ELASTOMERIC COMPONENTS- 4 YEARS	
MANUFACTURER: AUTOMATIC SWITCH CO.	PRESSURE	!! 44 PSIG	! 110 PSIG	! FSAR TABLE 3.11-1	! REF. (1) SEC. 4.7 P. 4-4 FIG. 1 P. 3-3	! TYPE TEST		! (1)EBASCO FILE NO: EQ-HV-5	
MODEL AND SERIAL NUMBER: NP 8321A2E	RELATIVE HUMIDITY	!! 100%	! 100%	! FSAR TABLE 3.11-1	! REF. (1) SEC. 4.7 P. 4-4	! TYPE TEST			
SERVICE DESCRIPTION: SERVING DAMPER D-69(SA)	CHEMICAL SPRAY	!! PH 5.0 TO 9.0 BORON !! 1750 TO 2150 PPM	! PH 9.5-10.5 BORON ! 3000 PPM	! FSAR TABLE 3.11-1	! REF. (1) SEC. 4.7 P. 4-4	! TYPE TEST			
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	!! 2.6 MRADS	! 200 MRADS	! "RADIATION MAPS" ZONE: CC DWG G-143	! REF. (1) SEC. 4.6 P. 4-4	! TYPE TEST			
ACCURACY DEMONS.: N/A									
LOCATION: CONT. BUILDING ELEVATION: +46.0 FT.	AGING	!! 40 YEARS	! 12 DAYS AT 268 DEG F	! FSAR SECT 3.11-1	! REF. (1) APPENDIX A P. 9.3-9.4	! TYPE TEST + ENG. EVAL.	! YES		
FLOOD LEVEL EL: +.47 FEET	SUBMERGENCE	!! NOT REQUIRED							
ABOVE FLOOD LEVEL: YES									
COORDINATES: AZ. 23 DEG	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	! ANALYSIS HO4 O! ANALYSIS WO3 T!								! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:	! ANALYSIS HO4 O! ANALYSIS WO3 T!								! PREPARER: EAB 07/30/82 DATE
QUALIF STATUS: QUALIFIED	! ANALYSIS HO4 O! ANALYSIS WO3 T! ANALYSIS WO3 A! S!								! CHECKER : AKB 07/30/82 DATE
	REFERENCES: (1)ASCO TEST REPORT NO AQS21678/TR,REV.A-JULY 1979								! SYSTEM: CONTAINMENT COOLING
									! QDEF SHEET NO.-0957

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTAINMENT COOLING	OPERATING TIME	1 HOUR	30 DAYS IN LOCA	FSAR TABLE 3.11-2	REF (1) P. 10-14	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YRS.
COMPONENT: LIMIT SWITCH			ENVIRONMENT		FIG. 3	ENGR. EVAL.		
PLANT NUMBER: D-69(SA)	TEMPERATURE	414 DEGF	346 DEGF PEAK	FSAR SEC. 6.2	REF (1) P. 10-5 & 14, FIG 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P4-3.1
MANUFACTURER: NAMCO	PRESSURE	44 PSIG	70 PSIG PEAK	FSAR TABLE 3.11-1	REF (1) P 10-5&14 FIG 3	TYPE TEST		
MODEL AND SERIAL NUMBER: EA-180 SERIES	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF. (1) P. 10.9	TYPE TEST		
SERVICE DESCRIPTION: SERVING DAMPER D-69(SA)					PARA 2			
FUNCTION: AM	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON	PH10 TO 11 & SODIUM HYDROXIDE	FSAR TABLE 3.11-1	REF (1) P. 10-9	TYPE TEST		
ACCURACY SPECIFIED: N/A	RADIATION	2.6 MRADS	204 MRADS	RADIATION MAPS	REF (1) P.10-7	TYPE TEST		(1) EBASCO FILE NO. EQ-HV-6
ACCURACY DEMONS.: N/A				DWG. G-143				
LOCATION: CONT BUILDING ELEVATION: +46 FT.	AGING	40 YEARS	400 HOURS @ 248 DEGF	FSAR SECTION 3.11-1	REF (1) P. 10-6 FIG 8	TYPE TEST + ENGR. EVAL.	YES	
FLOOD LEVEL EL: +.47 FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL: YES								
COORDINATES: AZ 23 DEG	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	ANALYSIS H05	O!						REVISION NO. -01
		T!						PREPARER: EAB 07/30/82
		P!						DATE
		H!		REFERENCES: (1) NAMCO QUALIFICATION REPORT OF EA-180 SERIES LIMIT SWITCHES. REPORT # QTR 105 REV 1				CHECKER : HSP 07/30/82
		C!						DATE
		R!						SYSTEM: CONTAINMENT COOLING
	ANALYSIS W04	A!						QDEF SHEET NO. -0958
		S!						

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONTAINMENT COOLING	OPERATING TIME	1 HOUR	133 DAYS IN LOCA	FSAR TABLE 3.11-2	REPT#37274 VOL VI SEC II PG 11-1 & FIGURE-1	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: PNEUMATIC OPERATOR			ENVIRON- MENT						
PLANT NUMBER: D-70(SB)	TEMPERATURE	1414 DEGF. MSLB PEAK	1375 DEGF PEAK	FSAR SECTION 6.2	REPORT NO. 37274 VOL VI, SEC II FIGURE-1	TYPE TEST + ENG. EVAL.	YES	MAINTENANCE / REPLACEMENT SCHD: PISTON SEALS & LUBRICANT 5 YEARS	
MANUFACTURER: GH BETTIS	PRESSURE	144 PSIG MSLB PEAK	177-6 HRS	FSAR SECTION 6.2	REP NO: 372 74 VOL VI. SEC. II FIGURE-1	TYPE TEST		LOCA/MSLB TEST PROFILE DEGF-TIME 355 - 1 HR 377 - 1 MIN. 355 - 1 HR 335 - 2 HRS 315 - 3 HRS 280 - 12 HRS 265 - 3 DAYS 245 - 6 DAYS 135 - 23 DAYS (1)EBASCO FILE NO: EQ-HV-4	
MODEL AND SERIAL NUMBER: NT-312 B-SR4-12	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REPT#37274 VOL VI SEC II PG 11-1	TYPE TEST			
SERVICE DESCRIPTION: SERVING DAMPER D-70(SB)									
FUNCTION: AM	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORDON 1750 TO 2150 PPM	BORIC ACID + SOD HYDR. OXIDE PH= 11	FSAR TABLE 3.11-1	REPT 372 74 VOL VI SEC II PG 11-1	TYPE TEST			
ACCURACY SPECIFIED: N/A	RADIATION	2.6 MRADS	140 MRADS	RADIATION MAPS ZONE: CC DWG G-143	REP#37274 VOL V PG. IV-4	TYPE TEST			
ACCURACY DEMONS.: N/A									
LOCATION: CONT. BUILDING ELEVATION: +46.0 FT.	AGING	140 YEARS	1294 HOURS AT 250 DEG F	FSAR SECT 3.11-1	REPT#37274 APP B & VOL. V PG II-1	TYPE TEST + ENG. EVAL.	YES		
FLOOD LEVEL EL: +.47 FEET	SUBMER- GENCE	NOT REQUIRED							
ABOVE FLOOD LEVEL: YES									
COORDINATES: AZ 337 DEG	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO. -01
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS H03	O						PREPARER: EAB 07/30/82 DATE	
QUALIF STATUS: QUALIFIED	ANALYSIS W02	T						CHECKER :AKB 07/30/82 DATE	
		P							
		H							
		C							
		R							
	ANALYSIS W02	A						SYSTEM: CONTAINMENT COOLING	
		S						QDEF SHEET NO. -0959	
					REFERENCES: (1)GH BETTIS NUCLEAR TEST REPORT NO 37274 (REV-3) DATED OCT. 2, 1981				

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTAINMENT COOLING	OPERATING TIME	1 HOUR	130 DAYS IN LOCA	FSAR TABLE 3.11-2	REF. (1) SEC. 3.2.7	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID VALVE			ENVIRONMENT		P. 3-2	ENG. EVAL.		
PLANT NUMBER: D-70(SB)	TEMPERATURE	414 DEGF MSLB PEAK	346 DEGF PEAK	FSAR SEC. 6.2	REF. (1) SEC. 4.7	TYPE TEST +	YES	MAINTENANCE / REPLACEMENT SCHD: COILS & ELASTOMERIC COMPONENTS- 4 YEARS
MANUFACTURER: AUTOMATIC SWITCH CO.	PRESSURE	44 PSIG	110 PSIG PEAK	FSAR TABLE 3.11-1	REF. (1) SEC. 4.7	TYPE TEST		(1)EBASCO FILE NO: EQ-HV-5
MODEL AND SERIAL NUMBER: NP 8321A2E					P. 4-4 FIG. 1; P. 3-3	ENG. EVAL.		
SERVICE DESCRIPTION: SERVING DAMPER D-70(SB)	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF. (1) SEC. 4.7	TYPE TEST		
					P. 4-4			
FUNCTION: AM	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON	PH 9.5-10.5 BORON	FSAR TABLE 3.11-1	REF. (1) SEC. 4.7	TYPE TEST		
		1750 TO 2150 PPM	3000 PPM		P. 4-4			
ACCURACY SPECIFIED: N/A	RADIATION	2.6 MRADS	200 MRADS	"RADIATION MAPS" ZONE:CC	REF. (1) SEC. 4.6	TYPE TEST		
ACCURACY DEMONS.: N/A				DWG G-143	P. 4-4			
	AGING	40 YEARS	12 DAYS AT 268 DEG F	FSAR SECT 3.11-1	REF. (1) APPENDIX A	TYPE TEST +	YES	
LOCATION: CONT. BUILDING ELEVATION: +46.0 FT.					P. 9.3-9.4	ENG. EVAL.		
FLOOD LEVEL EL: +.47 FEET	SUBMERGENCE	NOT REQUIRED						
ABOV FLOOD LEVEL: YES								
COORDINATES: AZ. 337 DEG	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS H04							REVISION NO. -01
QUALIF STATUS: QUALIFIED	ANALYSIS W03							PREPARER: EAB 07/30/82 DATE
								CHECKER :AKB 07/30/82 DATE
								REFERENCES: (1)ASCO TEST REPORT NO AQS21678/TR,REV.A-JULY 1979
	ANALYSIS W03							SYSTEM: CONTAINMENT COOLING
								QDEF SHEET NO. -0960

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: CONTAINMENT COOLING	OPERATING TIME	1 HOUR	130 DAYS	FSAR TABLE 3.11-2	REF (1) P. 10-14	TYPE TEST + ENGR. EVAL.	YES	QUALIFIED LIFE IS: 5 YRS.	
COMPONENT: LIMIT SWITCH			ENVIRONMENT		FIG. 3				
PLANT NUMBER: D-70(SB)	TEMPERATURE	1414 DEGF MSLB PEAK	346 DEGF PEAK	FSAR SEC. 6.2	REF (1) P. 10-5 & 14, FIG 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P4-3.1	
MANUFACTURER: NAMCO	PRESSURE	144 PSIG	70 PSIG PEAK	FSAR TABLE 3.11-1	REF (1) P. 10-5&14 FIG 3	TYPE TEST		(1)EBASCO FILE NO. EQ-HV-6	
MODEL AND SERIAL NUMBER: EA-180 SERIES	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF. (1) P. 10.9	TYPE TEST			
SERVICE DESCRIPTION: SERVING DAMPER D-70(SB)					PARA 2				
FUNCTION: AM	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON 1750 TO 2150 PPM	PH10 TO 11 BORIC ACID & SODIUM HYDROXIDE	FSAR TABLE 3.11-1	REF (1) P. 10-9	TYPE TEST			
ACCURACY SPECIFIED: N/A	RADIATION	2.6 MRADS	204 MRADS	RADIATION MAPS ZONE:CC	REF (1) P.10-7	TYPE TEST			
ACCURACY DEMONS.: N/A				DWG. G-143					
LOCATION: CONT BUILDING ELEVATION: +46 FT.	AGING	40 YEARS	400 HOURS @ 248 DEGF	FSAR SECTION 3.11-1	REF (1) P. 10-6	TYPE TEST & ENG. EVAL.	YES		
FLOOD LEVEL EL: +.47 FEET	SUBMERGENCE	N/R			FIG 8 P. 4-12				
ABOVE FLOOD LEVEL: YES									
COORDINATES: AZ 337 DEG	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS HO								PREPARER: EAB 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	ANALYSIS W04								DATE CHECKER :HSP 07/30/82 DATE
	REFERENCES: (1) NAMCO QUALIFICATION REPORT OF EA-180 SERIES LIMIT SWITCHES. REPORT # QTR 105 REV 1								SYSTEM: CONTAINMENT COOLING QDEF SHEET NO.-0961

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: HYDROGEN ANALYZER	OPERATING TIME	120 DAYS	31 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) APP XII P 4-16 FIGURE 1	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: SOLENOID								
PLANT NUMBER: 2HA-E601A	TEMPERATURE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF (1) APP XII P 4-16 FIGURE 1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: VALCOR	PRESSURE	144 PSIG PEAK	113 PSIG PEAK	LOCA PROFILE	REF (1) APP XII P 4-16 FIGURE 1	TYPE TEST		
MODEL AND SERIAL NUMBER: V526-6002-5	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF (1) APP.XII P 57 SEC5.6.3.1	TYPE TEST		
SERVICE DESCRIPTION: H2 SAMPLING	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON-1750 TO 2150 PPM	PH 9.5-10.5 BORON-2200 PPM	FSAR TABLE 3.11-1	REF (1) APP.XII P 4-12 SEC 2.2.6	TYPE TEST		
FUNCTION: PAM								
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	200 M RADS	RADIATION MAPS ZONE: CC DWG: G-143	REF (1) APP.XII P 3-1	TYPE TEST		EBASCO FILE NO: EQ-ME-2
ACCURACY DEMONS.: N/A								
LOCATION: CONT BUILDING ELEVATION: 5 FT.	AGING	40 YRS + 1 YR ACCIDENT	318 F FOR 613.8 HRS	FSAR SEC 3.11.1	REF (1) P 21 SEC 4.2.1	TYPE TEST + ENG. EVAL.	YES	
FLOOD LEVEL EL: +.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/R						
COORDINATES: COL 18	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	OTHER EQUIPMENT THIS QDEF APPLIES TO:							
QUALIF STATUS: QUALIFIED	ANALYSIS M-5							
	ANALYSIS M-5							
	REFERENCES: (1)VALCOR SOLENOID IE QUALIFICATION REPORT OR 52600-5940-2							
	REVISION NO. -01							
	PREPARER: BM 07/30/82 DATE							
	CHECKER : SKS 07/30/82 DATE							
	SYSTEM: HYDROGEN ANALYZER							
	QDEF SHEET NO.-0962							

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: HYDROGEN ANALYZER	OPERATING TIME	120 DAYS	131 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) APP XII P4-16, FIG 1	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: SOLENOID								
PLANT NUMBER: 2HA-E602A	TEMPERATURE	148 DEGF	1346 DEGF PEAK	HVAC TEMP MAP DWG G-145	REF (1) APP XII P4-16, FIG 1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: VALCOR	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: V525-6002-5	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: H2 SAMPLING								
FUNCTION: PAM	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	200 M RADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) APP XII P 3-1	TYPE TEST		EBASCO FILE NO: EQ-ME-2
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING ELEVATION: 10 FT.	AGING	140 YRS + 1 YR ACCIDENT	1318 F FOR 1613.8 HRS	FSAR SEC 3.11.1	REF (1) P 21 SEC 4.2.1	TYPE TEST + ENG. EVAL.	YES	
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: YES								
COORDINATES: #P301 AT PEN	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-5			2HA-E622B				PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED	ANALYSIS M-5			REFERENCES: (1) VALCOR SOLENOID IE QUALIFICATION REPORT QR 52600-5940-2				CHECKER: SKS 07/30/82 DATE
	ANALYSIS M-5							SYSTEM: HYDROGEN ANALYZER
								QDEF SHEET NO. -0963

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:
COMPONENT: FOR FUTURE		!!	!	!	!	!	!	
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!	
MODEL AND SERIAL NUMBER:		!!	!	!	!	!	!	DELETED, THIS SHEET INTENTIONALLY LEFT BLANK
SERVICE DESCRIPTION:	RELATIVE HUMIDITY	!!	!	!	!	!	!	
FUNCTION:	CHEMICAL SPRAY	!!	!	!	!	!	!	
ACCURACY SPECIFIED:	RADIATION	!!	!	!	!	!	!	
ACCURACY DEMONS.:		!!	!	!	!	!	!	
LOCATION: BUILDING ELEVATION: FT.	AGING	!!	!	!	!	!	!	
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!	
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!	
COORDINATES:	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! ! (IF REQUIRED) !			OTHER EQUIPMENT THIS QDEF APPLIES TO:			!	!
ENVIRON'T IS			!					! REVISION NO. - 0
EQUIPMENT EXEMPT FROM QUALIFICATION:			O!					! PREPARER: 07/30/82
QUALIF STATUS:			T!					! DATE
			P!					! CHECKER : 07/30/82
			H!	REFERENCES:				! DATE
			C!					! SYSTEM:
			R!					!
			A!					! QDEF SHEET NO. -0964
			S!					!

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:	
COMPONENT: FOR FUTURE		!!	!	!	!	!	!		
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!		
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!	DELETED, THIS SHEET INTENTIONALLY LEFT BLANK	
SERVICE DESCRIPTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
FUNCTION:		!!	!	!	!	!	!		
ACCURACY SPECIFIED:	RADIATION	!!	!	!	!	!	!		
ACCURACY DEMONS.:		!!	!	!	!	!	!		
LOCATION: BUILDING	AGING	!!	!	!	!	!	!		
ELEVATION: FT.		!!	!	!	!	!	!		
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!		
COORDINATES:	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								OTHER EQUIPMENT THIS QDEF APPLIES TO:
ENVIRON'T IS								REFERENCES:	
EQUIPMENT EXEMPT FROM QUALIFICATION:			O!						
QUALIF STATUS:			T!						
			P!						
			H!						
			C!						
			R!						
			A!						
			S!						
								REVISION NO. - 0	
								PREPARER: 07/30/82 DATE	
								CHECKER : 07/30/82 DATE	
								SYSTEM:	
								QDEF SHEET NO. -0965	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:									
COMPONENT: FOR FUTURE	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:	
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!	DELETED, THIS SHEET INTENTIONALLY LEFT BLANK	
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!		
SERVICE DESCRIPTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
FUNCTION:	RADIATION	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	AGING	!!	!	!	!	!	!		
ACCURACY DEMONS.:		!!	!	!	!	!	!		
LOCATION: BUILDING		!!	!	!	!	!	!		
ELEVATION: FT.		!!	!	!	!	!	!		
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!		
COORDINATES:	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (If REQUIRED)								! REVISION NO. - 0
ENVIRON'T IS			O!					! PREPARER: 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION:			T!					! DATE	
QUALIF STATUS:			P!					! CHECKER : 07/30/82	
			H!	REFERENCES:				! DATE	
			C!					! SYSTEM:	
			R!					! QDEF SHEET NO. -0966	
			A!						
			S!						

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: HYDROGEN ANALYZER	OPERATING TIME	120 DAYS	31 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) APP XII P 4-16 FIG 1	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: SOLENOID W/(2) LIMIT SWITCHES								
PLANT NUMBER: 2HA-E608A	TEMPERATURE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF (1) APP XII P 4-16 FIG 1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: VALCOR	PRESSURE	144 PSIG PEAK	113 PSIG PEAK	LOCA PROFILE	REF (1) APP XII P 4-16 FIG 1	TYPE TEST		
MODEL AND SERIAL NUMBER: V526-5295-9	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF (1) APP XII P 57 SEC 5.6.3.1	TYPE TEST		
SERVICE DESCRIPTION: CONT. ISOLATION								
FUNCTION: PAM	CHEMICAL SPRAY	PH-5.0 TO 9.0 BORON 1750-2150 PPM	PH 9.5-10.5 BORON 2200PPM	FSAR TABLE 3.11-1	REF (1) APP XII P 4-12 SEC 2.2.6	TYPE TEST		
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	200 M RADS	RADIATION MAPS ZONE -CC DWG G-145	REF (1) APP XII P 3-1	TYPE TEST		EBASCO FILE NO: EQ-ME-2
ACCURACY DEMONS.: N/A	AGING	40 YRS + 1 YR ACCIDENT	1318 F FOR 1613.8 HRS	FSAR SEC 3.11.1	REF (1) P 21 SEC 4.2.1	TYPE TEST + ENG. EVAL.	YES	
LOCATION: CONT BUILDING ELEVATION: +5 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: +.5 FEET ABOVE FLOOD LEVEL: YES								
COORDINATES: #P66 4' -0	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	OTHER EQUIPMENT THIS QDEF APPLIES TO:							
QUALIF STATUS: QUALIFIED	2HA-E628B							REVISION NO. -01
	ANALYSIS M-5	O!						PREPARER: BM 07/30/82
		T!						DATE
		P!						CHECKER : SKS 07/30/82
		H!	REFERENCES:	(1) VALCOR SOLENOID IE QUALIFICATION REPORT				DATE
		C!		OR 52600-5940-2				
		R!						SYSTEM: HYDROGEN ANALYZER
	ANALYSIS M-5	A!						QDEF SHEET NO. -0967
		S!						

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:									
COMPONENT: FOR FUTURE	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:	
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!	DELETED, THIS SHEET INTENTIONALLY LEFT BLANK	
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!		
SERVICE DESCRIPTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
FUNCTION:	RADIATION	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	AGING	!!	!	!	!	!	!		
ACCURACY DEMONS.:									
LOCATION: BUILDING									
ELEVATION: FT.									
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:									
COORDINATES:	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:								
ENVIRON'T IS	! (IF REQUIRED) !								! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:	O! T! P! H! C! R! A! S!								! PREPARER: 07/30/82 ! DATE
QUALIF STATUS:	REFERENCES:								! CHECKER : 07/30/82 ! DATE
									! SYSTEM:
									! QDEF SHEET NO.-0968

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: HYDROGEN ANALYZER	OPERATING TIME	120 DAYS	31 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) APP XII P 4-16 FIGURE 1	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 40+1 YR ACC.	
COMPONENT: SOLENOID W/(2) LIMIT SWITCHES									
PLANT NUMBER: 2HA-E610A	TEMPERATURE	148 DEGF	346 DEGF PEAK	HVAC TEMP. MAPS DWG NO: G-145	REF (1) APP XII P 4-16 FIGURE 1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED:	
MANUFACTURER: VALCOR	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION.	
MODEL AND SERIAL NUMBER: V526-5295-9	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: CONT. ISOLATION									
FUNCTION: PAM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	200 M RADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) APP XII P 3-1	TYPE TEST		EBASCO FILE NO: EQ-ME-2	
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 1 YR ACCIDENT	318 F FOR 610.8 HRS	FSAR SEC 3.11.1	REF (1) P 21 SEC 4.2.1	TYPE TEST + EVAL.	YES		
LOCATION: AUX BUILDING ELEVATION: +5.0. FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: #P66 AT PENET	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO. -01
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO: 2HA-E629B, 2HA-E630B, 2HA-E609A								PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-5	O	T	P	H	C	R	CHECKER :SKS 07/30/82 DATE	
QUALIF STATUS: QUALIFIED	ANALYSIS M-5	A	S		REFERENCES: (1)VALCOR SOLENOID IE QUALIFICATION REPORT QR 52600-5940-2			SYSTEM: HYDROGEN ANALYZER	
								QDEF SHEET NO.-0969	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:									
COMPONENT: FOR FUTURE	OPERATING TIME	!!	!!	!!	!!	!!	!!	QUALIFIED LIFE IS:	
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!!	!!	!!	!!	!!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE	!!	!!	!!	!!	!!	!!	DELETED, THIS SHEET INTENTIONALLY LEFT BLANK	
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!!	!!	!!	!!	!!		
SERVICE DESCRIPTION:		!!	!!	!!	!!	!!	!!		
FUNCTION:	CHEMICAL SPRAY	!!	!!	!!	!!	!!	!!		
ACCURACY SPECIFIED:	RADIATION	!!	!!	!!	!!	!!	!!		
ACCURACY DEMONS.:		!!	!!	!!	!!	!!	!!		
LOCATION: BUILDING	AGING	!!	!!	!!	!!	!!	!!		
ELEVATION: FT.		!!	!!	!!	!!	!!	!!		
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!!	!!	!!	!!	!!		
ABOVE FLOOD LEVEL:		!!	!!	!!	!!	!!	!!		
COORDINATES:	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:		REVISION NO. - 0
ENVIRON'T IS								PREPARER: 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION:								DATE	
QUALIF STATUS:								CHECKER: 07/30/82	
								DATE	
								SYSTEM:	
								QDEF SHEET NO.-0970	

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES		
	PARAMETER	SPEC.	QUALIF.	SPEC.	METHOD	TENCY ANALYZED			
SYSTEM: HYDROGEN ANALYZER	OPERATING TIME	120 DAYS	31 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) APP XII P 4-16 FIG.1	TYPE TEST + ENG. EVAL.	YES LIFE IS: 40+1 YR ACC.	QUALIFIED	
COMPONENT: SOLENOID W/(2) LIMIT SWITCHES									
PLANT NUMBER: 2HA-E633A	TEMPERATURE	148 DEGF	346 DEGF PEAK	HVAC TEMP MAPS DWG NO: G-145	REF (1) APP XII P 4-16 FIG.1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED:	
MANUFACTURER: VALCOR	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: V526-6002-15	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)				
SERVICE DESCRIPTION: HYDROGEN SAMPLING									
FUNCTION: PAM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	200 M RADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) APP XII P 3-1	TYPE TEST		EBASCO FILE NO: EQ-ME-2	
ACCURACY DEMONS.: N/A	AGING	40 YEARS + 1 YEAR ACCIDENT	318F FOR 613.8 HRS	FSAR SEC 3.11.1	REF (1) P 21 SEC 4.2.1	TYPE TEST + ENG. EVAL.	YES		
LOCATION: AUX BUILDING ELEVATION: +10.5 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: #P301 AT PEN	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO: 2HA-E634B								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-5		O!					PREPARER: BM 07/30/82 DATE	
QUALIF STATUS: QUALIFIED			T! P! H! C! R! A! S!	REFERENCES: (1)VALCOR SOLENOID IE QUALIFICATION REPORT QR 52600-5940-2				CHECKER :SKS 07/30/82 DATE	
								SYSTEM:HYDROGEN ANALYZER QDEF SHEET NO.-0971	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	NONE	FSAR TABLE	NONE	SEE NOTE		QUALIFIED LIFE IS:
COMPONENT: PRESSURE SWITCH			(2)	3.11-2	(2)			
PLANT NUMBER: 2SI-L103A	TEMPERATURE	104 F	SEE NOTE (1)	HVAC TEMP MAP DWG NO:G-137	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: MERCOID	PRESSURE	PSIG	SEE NOTE (1)	FSAR TABLE 3.11.1	SEE NOTE (1)			(1) TEMPERATURE PRESSURE & RH ARE NOT CONSIDERED TO BE SIGNIFICANT
MODEL AND SERIAL NUMBER: DAW7023-804B	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			PARAMETERS FOR EVALUATION (2)PRESSURE SWITCHES ARE NOT QUALIFIED.
SERVICE DESCRIPTION: RWSP ISO. VALVE HPSI	CHEMICAL SPRAY	N/R	-	-	-	-	-	QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING.
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	4.2 MRADS	1600,000 RADS	RADIATION MAPS ZONE -U DWG G-137!	REF (1) SEC 6.1	TYPE TEST		EBASCO FILE NO: EQ-ME-10
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-	-	
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-	-	
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-8A	!INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: ! (IF REQUIRED) !							
ENVIRON'T IS HARSH		2SI-L104B						REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO		O!						PREPARER:BM 07/30/82
QUALIF STATUS: NOT QUALIFIED		T!						DATE
		P!						CHECKER :SKS 07/30/82
		H!	REFERENCES: (1)MERCROID TEST REPORT					DATE
		C!	NO. 44285-1					
		R!						SYSTEM: SAFETY
		A!						INJECTION
		S!						QDEF SHEET NO.-0972

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 10-14 FIG 3	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE IS: 20 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 2SI-L103A	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAP DWG NO: G-137	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3
MANUFACTURER: NAMCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) TEMPERATURE & RELATIVE HUMIDITY ARE NOT CONSIDERED
MODEL AND SERIAL NUMBER: EA 180-31302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		SIGNIFICANT PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: RWSP ISO. VALVE HPSI	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	4.2 M RADS	204 M RADS	RADIATION MAPS ZONE: U DWG: G-137	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	AGING	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-8A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO: 2SI-L104B							REVISION NO. -01
ENVIRON'T IS HARSH	ANALYSIS M-2	O						PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		T						CHECKER : SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED		P						
		H		REFERENCES: (1)NAMCO QUALIFICATION OF EA 180 SERIES OF LIMIT SWITCHES REPORT NO. QTR 105 REV 1				SYSTEM: SAFETY INJECTION
		C						QDEF SHEET NO. -0973
		R						
		A						
		S						

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 10-14	TYPE TEST +	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCHES					FIG 3	ENG EVAL		
PLANT NUMBER: 1SI-V2505	TEMPERATURE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF (1) P 10-5814	TYPE TEST	MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3	
MANUFACTURER: NAMCO	PRESSURE	144 PSIG PEAK	70 PSIG PEAK	LOCA PROFILE	REF (1) P 10-5814	TYPE TEST		
MODEL AND SERIAL NUMBER: EA 180-31302	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF (1) P 10-9	TYPE TEST		
SERVICE DESCRIPTION: RCS LOOP 2 HOT LEG INJ DR. VLV					PARA 2			
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	PH-5.0 TO 9.0	PH10 TO 11 OF H3BO3 + NAOH	FSAR TABLE 3.11-1	REF (1) P 10-9	TYPE TEST		
ACCURACY SPECIFIED: N/A	RADIATION	28 M RADS	204 M RADS	RADIATION MAPS	REF (1) P 10-7	TYPE TEST	EBASCO FILE NO: EQ-ME-1	
ACCURACY DEMONS.: N/A				ZONE: -BB DWG: G-144				
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.	AGING	140 YRS + 1 YR ACC	400 HRS AT 248F EQUIV TO 6 YRS AT 120F	FSAR SEC 3.11.1	REF (1) P 10-6 (FIG 8)	TYPE TEST		
FLOOD LEVEL EL: +.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/R	-	-	-	-		
COORDINATES: S-E	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							REVISION NO.-01
ENVIRONMENT IS HARSH	ANALYSIS M-2 O!							PREPARER: BM 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1)NAMCO QUALIFICATION OF EA 180 SERIES OF LIMIT SWITCHES REPORT NO.QTR105 REV1							DATE
QUALIF STATUS: QUALIFIED								CHECKER :SKS 07/30/82
								DATE
								SYSTEM: SAFETY INJECTION
								QDEF SHEET NO.-0974

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 10-14 FIG 3	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCHES (2)									
PLANT NUMBER: 2SI-F1561 A/B	TEMPERATURE PEAK	269 DEGF	346 DEGF PEAK	LOCA PROFILE	REF (1) P 10-5&14 FIG 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3	
MANUFACTURER: NAMCO	PRESSURE PEAK	44 PSIG	70 PSIG PEAK	LOCA PROFILE	REF (1) P 10-5&14	TYPE TEST			
MODEL AND SERIAL NUMBER: EA 180-21302	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	REF (1) P 10-9	TYPE TEST			
SERVICE DESCRIPTION: CONT.ISD. SI TK DR RWP VA				3.11-1	PARA 2				
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	PH-5.0 TO 9.0	PH 10 TO 11 SPRAY COMP OF H3BO3 + NAOH	FSAR TABLE 3.11-1	REF (1) P 10-9 PARA 2	TYPE TEST			
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	204 M RADS	RADIATION MAPS	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
ACCURACY DEMONS.: N/A				ZONE -CC DWG G-145					
LOCATION: CONT BUILDING ELEVATION: +4 FT.	AGING	40 YRS + 1 YR ACC	400 HRS AT 248F EQUIV TO 6 YRS AT 120F	FSAR SEC. 3.11.1	REF (1) P 10-6 (FIG.8) P 4-12	TYPE TEST			
FLOOD LEVEL EL: +.5 FEET	SUBMERGENCE	N/R							
ABOVE FLOOD LEVEL: YES									
COORDINATES: S-W	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
ENVIRON'T IS HARSH:	ANALYSIS M-2								PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO QTR 105 REV 1	SYSTEM: SAFETY INJECTION QDEF SHEET NO.-0975

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV.	FSAR TABLE 3.11-2	REF (1) P 10-14 FIG.3	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 1SI-V1503A	TEMPERATURE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF (1) P 10-5&14 FIG.3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3
MANUFACTURER: NAMCO	PRESSURE	44 PSIG PEAK	70 PSIG PEAK	LOCA PROFILE	REF (1) P 10-5&14 FIG.3	TYPE TEST		
MODEL AND SERIAL NUMBER: EA 180-31302	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF (1) P 10-9 PARA 2	TYPE TEST		
SERVICE DESCRIPTION: SDC RET. LINE LOOP 2 ISO.VA	CHEMICAL SPRAY	PH-5.0 TO 9.0 BORON-1750 TO 2150PPM	PH 10TO11 SPRAY COMP OF H3BO3 + NAOH	FSAR TABLE 3.11-1	REF (1) P 10-9 PARA 2	TYPE TEST		
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	204 M RADS	RADIATION MAPS ZONE -CC DWG G-144	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A								
LOCATION: CONT BUILDING ELEVATION: +21 FT.	AGING	40 YRS + 1 YR ACC	400 HRS AT 248F EQUIV TO 6 YRS AT 120F	FSAR SEC 3.11.1	(1) P 10-6 (FIG.8) P 4-12	TYPE TEST		
FLOOD LEVEL EL: +.5 FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: YES								
COORDINATES: S-E	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH	ANALYSIS M-2			O! T! P! H! C! R! A! S!		1SI-V1501B		REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO							PREPARER:BM 07/30/82 DATE	
QUALIF STATUS: QUALIFIED							CHECKER :SKS 07/30/82 DATE	
	REFERENCES: (1)NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO.QTR 105 REV.1						SYSTEM: SAFETY INJECTION QDEF SHEET NO.-0976	

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	SAFETY INJECTION	! OPERATING TIME	!!120 DAYS	!30 DAYS IN !LOCA ENV	FSAR TABLE ! 3.11-2	! REF (1) ! P 10-14 ! FIG.3	! TYPE ! TEST + ! ENG ! EVAL	! YES	! QUALIFIED LIFE IS: 5 YEARS	
COMPONENT:	LIMIT SWITCH	!	!!	!	!	!	!	!	!	
PLANT NUMBER:	1SI-V1503A	! TEMPERATURE	!!269 DEG F !PEAK	!346 DEG F !PEAK	! LOCA PROFILE	! REF (1) ! P 10-5814 ! FIG.3	! TYPE ! TEST	!	! MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3	
MANUFACTURER:	NAMCO	! PRESSURE	!!44 PSIG !PEAK	!70 PSIG !PEAK	! LOCA PROFILE	! REF (1) ! P 10-5814 ! FIG.3	! TYPE ! TEST	!	!	
MODEL AND SERIAL NUMBER:	EA 180-32302	! RELATIVE HUMIDITY	!!100%	!100%	! FSAR TABLE ! 3.11-1	! (1) ! P 10-9 ! PARA 2	! TYPE ! TEST	!	!	
SERVICE DESCRIPTION:	SDC RET. LINE LOOP 2 ISD.VA	!	!!	!	!	!	!	!	!	
FUNCTION:	A.M.	! CHEMICAL SPRAY	!!PH-5.0 TO !19.0 !BORON-1750 !TO 2150P.M	!PH 10TO11 !SPRAY COMP !OF H3BO3 !+ NAOH	! FSAR TABLE ! 3.11-1	! REF (1) ! P 10-9 ! PARA 2	! TYPE ! TEST	!	!	
ACCURACY SPECIFIED:	N/A	! RADIATION	!!33 M RADS	!20; M RADS	! RADIATION MAPS -CC ! DWG G-144	! REF (1) ! P 10-7	! TYPE ! TEST	!	! EBASCO FILE NO: !EQ-ME-1	
ACCURACY DEMONS.:	N/A	!	!!	!	!	!	!	!	!	
LOCATION:	CONT BUILDING	! AGING	!!40 YRS + !1 YR ACC	!400 HRS AT !248F EQUIV !TO 6 YRS !AT 120F	! FSAR SEC. ! 3.11.1	! REF (1) ! P 10-6 ! (FIG.8) ! P 4-12	! TYPE ! TEST	!	!	
ELEVATION:	+21 FT.	!	!!	!	!	!	!	!	!	
FLOOD LEVEL EL:	0.5 FEET	! SUBMERGENCE	!!N/R	! -	!	!	!	!	!	
ABOVE FLOOD LEVEL:	YES	!	!!	!	!	!	!	!	!	
COORDINATES:	S-E	! INDEX FOR INCONSISTENCY ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: ! () REQUIRED !							!	!
ENVIRON'T IS HARSH		!	!	! 1SI-V1501B	!	!	!	!	! REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO	!	!	!	!	!	!	!	! PREPARER:BM 07/30/82 DATE	
QUALIF STATUS:	QUALIFIED	!	!	!	!	!	!	!	! CHECKER :SKS 07/30/82 DATE	
		!	!	!	!	!	!	!	! SYSTEM:SAFETY INJECTION	
		!	!	!	!	!	!	!	! QDEF SHEET NO.-0977	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	!! 1 HR	! 30 DAYS IN LOCA ENV.	! FSAR TABLE 3.11-2	! REF (1) P. 14	! TYPE TEST	!	! QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: MOTOR OPERATOR		!!	!	!	! FIGURE 6 AND REF(2)	!	!	!
PLANT NUMBER: 1SI-V1507TK2A	TEMPERATURE	!! 269 DEGF PEAK	! 315 DEGF PEAK	! LOCA PROFILE	! REF (1) P. 14	! TYPE TEST	!	! MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	!! 44 PSIG PEAK	! 70 PSIG PEAK	! LOCA PROFILE	! REF (1) P. 10	! TYPE TEST	!	!
MODEL AND SERIAL NUMBER: SMB-2-180	RELATIVE HUMIDITY	!! 100%	! 100 %	! FSAR TABLE 3.11-1	! REF (1) P. 18	! TYPE TEST	!	!
SERVICE DESCRIPTION: MD SI TANK 2A ISOL VALVE		!!	!	!	! SEC 4.4.3	!	!	!
FUNCTION: AM	CHEMICAL SPRAY	!! PH-5.0 TO 9.0 !! BORON-1750 TO 2150PPM	! PH 10.5 TO 11.1 BORON 3000 PPM	! FSAR TABLE 3.11-1	! REF (1) P. 17	! TYPE TEST	!	!
ACCURACY SPECIFIED: N/A	RADIATION	!! 33 M RADS	! 204 M RADS	! RADIATION MAPS ZONE -CC	! REF (1) P. 37	! TYPE TEST	!	! EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A		!!	!	! DWG G-144	!	!	!	!
LOCATION: CONT BUILDING ELEVATION: +21 FT.	AGING	!! 40 YRS + 1 YR ACC	! 180 DEGC FOR 100HRS	! FSAR SEC 3.11.1	! REF (1) P. 31	! TYPE TEST +	!	!
FLOOD LEVEL EL: +.5 FEET	SUBMERGENCE	!! N/R	! -	! -	! -	! -	!	!
ABOVE FLOOD LEVEL: YES		!!	!	!	!	!	!	!
COORDINATES: N-E	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							!
ENVIRON'T IS HARSH	! OTHER EQUIPMENT THIS QDEF APPLIES TO: 1SI-V1508TK2B, 1SI-V1506TK1B, 1SI-V1505TK1A							!
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	! REFERENCES: (1) LIMITORQUE CORP. REPORT PROJECT # 600456: APPENDIX C TO REPORT # BO058							!
QUALIF STATUS: QUALIFIED	! (2) LIMITORQUE CORP. REPORT BO058 PARAGRAPH 3.2.1.2							!
	! REVISION NO.-01							!
	! PREPARER: CM 07/30/82							!
	! CHECKER: SKS 07/30/82							!
	! SYSTEM: SAFETY INJECTION							!
	! QDEF SHEET NO.-0978							!

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV.	FSAR TABLE 3.11-2	REF (1) P. 14	TYPE TEST + ENG. EVAL.		QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: MOTOR OPERATOR					FIGURE 6 AND REF(2)			
PLANT NUMBER: 1SI-V1504A	TEMPERATURE PEAK	269 DEGF	315 DEGF PEAK	LOCA PROFILE	REF (1) P. 14	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE PEAK	144 PSIG	170 PSIG PEAK	LOCA PROFILE	REF (1) P. 10	TYPE TEST		
MODEL AND SERIAL NUMBER: SMB-3-100	RELATIVE HUMIDITY	100%	100 %	FSAR TABLE 3.11-1	REF (1) P. 18	TYPE TEST		
SERVICE DESCRIPTION: MO SDC RET LINE LOOP 2 ISO VL					SEC 4.4.3			
FUNCTION: AM	CHEMICAL SPRAY	PH-5.0 TO 9.0 BORDN-1750 TO 2150PPM	PH 10.5-11.1 BORDN 3000 PPM	FSAR TABLE 3.11-1	REF (1) P. 17	TYPE TEST		
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	204 M RADS	RADIATION MAPS ZONE -CC	REF (1) P. 37	TYPE TEST		EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A				DWG G-144				
LOCATION: CONT BUILDING ELEVATION: +21 FT.	AGING	140 YRS + 1 YR ACC	180DEGC FOR 100HRS	FSAR SEC 3.11.1	REF (1) P. 31	TYPE TEST + ENG. EVAL.		
FLOOD LEVEL EL: +.5 FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: YES								
COORDINATES: S-E	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE! OTHER EQUIPMENT THIS QDEF APPLIES TO: (IF REQUIRED)							
ENVIRON'T IS HARSH			1SI-V1502B					REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED				REFERENCES:	(1) LIMITORQUE CORP.REPORT PROJECT # 600456:APPENDIX C TO REPORT # BO058 (2)LIMITORQUE CORP.REPORT BO058 PARAGRAPH 3.2.1.2			CHECKER :SKS 07/30/82 DATE
								SYSTEM:SAFETY INJECTION
								QDEF SHEET NO.-0979

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE	REF (1) P. 10	TYPE TEST +		QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: MOTOR OPERATOR				3.11-2	FIGURE 1 AND REF(2)	ENG. EVAL.		
PLANT NUMBER: 2SI-V1556	TEMPERATURE	140F	1250 F PEAK	HVAC TEMP MAP DWG G-145	REF (1) P. 10	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPCRT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE+RH ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: SMB-00-7.5	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: MO ISO VALVE SDC LOOP 1								
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	52,000 RADS	20 M RADS	RADIATION MAPS ZONE -GG DWG G-145	REF (1) P. 8 SEC 4.3	TYPE TEST		EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A	AGING	140 YRS + 1 YR	165F FOR 199.8 HRS	FSAR SEC 3.11.1	REF (1) P. 7 SEC 4.1.4	TYPE TEST +		
LOCATION: AUX BUILDING ELEVATION: -35 FT.	ACCIDENT					ENG. EVAL.		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: L-6A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								SYSTEM: SAFETY INJECTION QDEF SHEET NO.-0980
				REFERENCES:	(1) LIMITORQUE CORP. REPORT # BO003: APPENDIX D TO REPORT # BO058 (2) LIMITORQUE CORP. REPORT BO058 PARAGRAPH 3.2.1.2			

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE 3.11-2	REF (1) P. 10	TYPE TEST +		QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: MOTOR OPERATOR					FIGURE 1 AND REF(2)	ENG. EVAL.		
PLANT NUMBER: 2SI-FM318A	TEMPERATURE	104F	SEE NOTE (1)	HVAC TEMP MAP DWG G-137	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: APP.A TO LIMITORQUE REPORT # B0058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
MODEL AND SERIAL NUMBER: SMB-00-10/H1BC	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)TEMPERATURE, PRESSURE+RH ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: MO ISO VALVE SDC HX A	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: ACCIDENT MITIGATION								
ACCURACY SPECIFIED: N/A	RADIATION	4.2 MRADS	20 M RADS	RADIATION MAPS ZONE -U DWG G-137	REF (1) P. 8 SEC 4.3	TYPE TEST		EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-		
LOCATION: AUX BUILDING ELEVATION: -35 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: K-10A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								SYSTEM:SAFETY INJECTION
								QDEF SHEET NO.-0981

REFERENCES: (1)LIMITORQUE CORP.REPORT # B0003:APPENDIX D TO REPORT # B0058 (2)LIMITORQUE CORP.REPORT BOC58 PARAGRAPH 3.2.1.3

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE 3.11-2	REF (1) P 10	TYPE TEST +		QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: MOTOR OPERATOR					FIGURE 1 AND REF(2)	ENG. EVAL.		
PLANT NUMBER: 2SI-FM349B	TEMPERATURE	104F	SEE NOTE (1)	HVAC TEMP. MAP DWG G-137	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: APP.A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			(1)TEMPERATURE PRESSURE+RH ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: SMB-00-10/H1BC	RELATIVE HUMIDITY	20-90 %	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			
SERVICE DESCRIPTION: MD ISO VALVE SDC HX B								
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	N/R	-					
ACCURACY SPECIFIED: N/A	RADIATION	4.2 MRADS	20 M RADS	RADIATION MAPS ZONE -U DWG G-137	REF (1) P 8 SEC 4.3	TYPE TEST		EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A	AGING	N/R	-					
LOCATION: AUX BUILDING ELEVATION: -35 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-					
ABOVE FLOOD LEVEL: N/A								
COORDINATES: K-10A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	REFERENCES: (1)LIMITORQUE CORP.REPORT # BO003: APPENDIX D TO REPORT # BO058							PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED	(2)LIMITORQUE CORP.REPORT BO058 PARAGRAPH 3.2.1.3							CHECKER :SKS 07/30/82 DATE
								SYSTEM:SAFETY INJECTION
								QDEF SHEET NO.-0982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE 3.11-2	REF (1) P 10	TYPE TEST +		QUALIFIED LIFE IS: 40+1 YR ACC.	
COMPONENT: MOTOR OPERATOR					FIGURE 1 AND REF(2)	ENG. EVAL.			
PLANT NUMBER: 2SI-V811B	TEMPERATURE	104F	SEE NOTE (1)	HVAC TEMP. MAP DWG G-137	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: APP.A TO LIMITORQUE REPORT # BO058 REF(1)	
MANUFACTURER: LIMITORQUE	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			(1)TEMPERATURE, PRESSURE+RH ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: SMB-00-10	RELATIVE HUMIDITY	20-90 %	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)				
SERVICE DESCRIPTION: MO VALVE HPSI SI MODE	CHEMICAL SPRAY	N/R	-						
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	4.2 MRADS	20 MRADS	RADIATION MAPS ZONE -U DWG G-137	REF (1) P 8 SEC 4.3	TYPE TEST		EBASCO FILE NO: EQ-ME-5	
ACCURACY DEMONS.: N/A	AGING	N/R	-						
LOCATION: AUX BUILDING ELEVATION: -35 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-						
ABOVE FLOOD LEVEL: N/A									
COORDINATES: L-9A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS ODEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1)LIMITORQUE CORP. REPORT #BO003: APPENDIX D TO REPORT # BO058 (2)LIMITORQUE CORP. REPORT BO058 PARAGRAPH 3.2.1.3								PREPARER: BM 07/30/82 DATE CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED									SYSTEM:SAFETY INJECTION ODEF SHEET NO. -0983

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	14 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 27 SEC 4.4.6	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: SOLENOID W/ LIMIT SWITCHES									
PLANT NUMBER: 2SI-V1587A	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO: G-137	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: REPORT 3201A PARAGRAPH 2 PAGE 2 OF 10	
MANUFACTURER: TARGET ROCK	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)TEMPERATURE, PRESSURE AND RH ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: 81B-005	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: HPSI,LPSI PMP A MIN FLOW ISO SV									
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	4.2 MRADS	100 M RADS	RADIATION MAPS ZONE -U DWG G-137	REF (1) P 85	TYPE TEST		EBASCO FILE NO: EQ-ME-3	
ACCURACY DEMONS.: N/A									
LOCATION: AUX BUILDING ELEVATION: -35 FT.	AGING	N/R	-	-	-	-			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: K-BA	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								OTHER EQUIPMENT THIS QDEF APPLIES TO:
ENVIRON'T IS HARSH	ANALYSIS M-8								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO									PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
									REFERENCES: (1)TARGET ROCK REPORT 2375 REV. E APPENDIX B OF REPORT 3201 A DATED 10/05/81
									SYSTEM:SAFETY INJECTION
									QDEF SHEET NO.-0984

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	14 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 27 SEC 4.4.6	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: SOLENOID W/ LIMIT SWITCHES								
PLANT NUMBER: 2SI-V1588B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO: G-137	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: REPORT 3201A PARAGRAPH 2 PAGE 2 OF 10
MANUFACTURER: TARGET ROCK	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)TEMPERATURE, PRESSURE AND RH ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: 81B-005	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: HPSI,LPSI PMP B MIN FLOW ISO SV								
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	4.2 MRADS	100 M RADS	RADIATION MAPS ZONE -U DWG G-137	REF (1) P 89	TYPE TEST		EBASCO FILE NO: EQ-ME-3
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING ELEVATION: -35 FT.	AGING	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: K-8A	INDEX FOR INCONSISTENCY!			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	ANALYSIS M-8			O!				PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED				H!				CHECKER :SKS 07/30/82 DATE
				C!				
				R!				SYSTEM:SAFETY INJECTION
				A!				QDEF SHEET NO.-0985
				S!				
				REFERENCES: (1)TARGET ROCK REPORT 2375 REV.E APPENDIX B OF REPORT 3201A DATED 10/10/81				

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	SAFETY INJECTION	OPERATING TIME	!!120 DAYS	!30 DAYS IN LOCA	! FSAR TABLE 3.11-2	! REF (1) P 3-2	! TYPE TEST +	! YES	! QUALIFIED LIFE IS: 4 YEARS	
COMPONENT:	SOLENOID		!!	! ENV	! SEC. 3.2.7	! ENG EVAL	!	!	!	
PLANT NUMBER:	2SI-F1561A/B	TEMPERATURE	!!414 DEGF	!450 DEGF PEAK	! COMPOSITE LOCA-MSLB PROFILE	! REF (2) APP.A FIG.4.2	! TYPE TEST	!	! MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS REPLACEMENT REF(1) APP.I SEC 3.2.3.13	
MANUFACTURER:	ASCO	PRESSURE	!!44 PSIG	!86 PSIG PEAK	! COMPOSITE LOCA-MSLB PROFILE	! REF (2) APP.A FIG.4.2	! TYPE TEST	!	!	
MODEL AND SERIAL NUMBER:	NP831664E	RELATIVE HUMIDITY	!!100%	!100%	! FSAR TABLE 3.11-1	! REF (1) P 4-4	! TYPE TEST	!	!	
SERVICE DESCRIPTION:	CONT.ISO FROM SI TNK DR RWP		!!	!	! SEC.4.7	!	!	!	!	
FUNCTION:	ACCIDENT MITIGATION	CHEMICAL SPRAY	!!PH 5.0 TO !!9.0 BORON !!1750 TO !!2150 PPM	!PH 9.5-10.5 BORON !3000 PPM	! FSAR TABLE 3.11-1	! REF (1) P 4-4 SEC.4.7	! TYPE TEST	!	!	
ACCURACY SPECIFIED:	N/A	RADIATION	!! 33 M RADS	!200 M RADS	! RADIATION MAPS ZONE -CC DWG G-145!	! REF (1) P 4-4 SEC.4.6	! TYPE TEST	!	! EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.:	N/A	AGING	!!40 YEARS PLUS 1 YR	!268F FOR !12 DAYS EQ !TD 4.4YRS !AT 140F	! FSAR SEC.3.11.1	! REF (1) APP A P 9-3&4	! TYPE TEST	!	!	
LOCATION:	CONT BUILDING	SUBMERGENCE	!!N/R	!-	!-	!-	!-	!	!	
ELEVATION:	+4 FT.		!!	!	!	!	!	!	!	
FLOOD LEVEL EL:	+5 FEET		!!	!	!	!	!	!	!	
ABOVE FLOOD LEVEL:	YES		!!	!	!	!	!	!	!	
COORDINATES:	S-W	!INDEX FOR INCONSISTENCY!							!	!
ENVIRON'T IS HARSH		! ANALYSIS IN WORKFILE (IF REQUIRED)							!	! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		! ANALYSIS M-1							!	! PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED		! H! C! R! A! S!							!	! CHECKER :SKS 07/30/82 DATE
		REFERENCES: (1) ASCO TEST REPORT # AQS21678/TR REV A JULY 1979 (2) ASCO TEST REPORT # AQR-67368/REV.O MARCH 1982							!	! SYSTEM: SAFETY INJECTION
									!	! QDEF SHEET NO.-0986

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	SAFETY INJECTION	! OPERATING TIME	!! 120 DAYS	! 30 DAYS ! IN LOCA ! ENV	! FSAR TABLE ! 3.11-2	! REF (1) ! P 3-2 ! SEC 3.2.7	! TYPE ! TEST + ! ENG ! EVAL	! YES	! QUALIFIED LIFE IS: 4 YEARS	
COMPONENT:	SOLENOID	!!	!!	!	!	!	!	!	!	
PLANT NUMBER:	1SI-V2504	! TEMPERAT- URE	!! 414 DEG F	! 450 DEG F ! PEAK	! COMPOSITE ! LOCA-MSLB ! PROFILE	! REF (2) ! APP. A ! FIG. 4.2	! TYPE ! TEST	!	! MAINTENANCE / REPLACEMENT SCHED: 4 YRS COMPS. REPLACEMENT REF(1) APP I SEC 3.2.3.13	
MANUFACTURER:	ASCO	! PRESSURE	!! 44 PSIG	! 86 PSIG ! PEAK	! COMPOSITE ! LOCA-MSLB ! PROFILE	! REF (2) ! APP. A ! FIG. 4.2	! TYPE ! TEST	!	!	
MODEL AND SERIAL NUMBER:	NP831665E	!!	!!	!	!	!	!	!	!	
SERVICE DESCRIPTION:	RCS LOOP 1 HOT LEG INJ DRN	! RELATIVE HUMIDITY	!! 100%	! 100%	! FSAR TABLE ! 3.11-1	! REF (1) ! P 4-4 ! SEC 4.7	! TYPE ! TEST	!	!	
FUNCTION:	ACCIDENT MITIGATION	! CHEMICAL SPRAY	!! PH 5.0 TO 10.0 BORON ! 1750 TO 2150 PPM	! PH 9.5- ! 10.5 BORON ! 3000 PPM	! FSAR TABLE ! 3.11-1	! REF (1) ! P 4-4 ! SEC 4.7	! TYPE ! TEST	!	!	
ACCURACY SPECIFIED:	N/A	! RADIATION	!! 28 M RADS	! 200 M RADS	! RADIATION ! MAPS ! ZONE: BB ! DWG: G-144	! REF (1) ! P 4-4 ! SEC 4.6	! TYPE ! TEST	!	! EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.:	N/A	!!	!!	!	!	!	!	!	!	
LOCATION: ELEVATION:	CONT BUILDING +21 FT.	! AGING	!! 40YRS + ! 1YR ACC	! 268F FOR ! 12 DAYS EQ ! TO 4.4 YRS ! AT 140F	! FSAR ! SEC 3.11.1	! REF (1) ! APP. A ! P 9-3 & 4	! TYPE ! TEST	!	!	
FLOOD LEVEL:	EL: +.5 FEET ABOVE FLOOD LEVEL: YES	! SUBMER- GENCE	!! N/R	! -	!	!	!	!	!	
COORDINATES:	S-W	! INDEX FOR INCONSISTENCY!							!	!
ENVIRONMENT IS HARSH		! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: (IF REQUIRED)							!	!
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		! ANALYSIS M-1	O!						! REVISION NO. -01	
QUALIF STATUS: QUALIFIED			T!						! PREPARER: BM 07/30/82 DATE	
			P!						! CHECKER : SKS 07/30/82 DATE	
			H!	REFERENCES:	(1) ASCO TEST REPORT # AQS21678/TR REV A JULY 1979				! SYSTEM: SAFETY INJECTION	
			C!		(2) ASCO TEST REPORT # AQR-67368/REV.0 MARCH 1982				! QDEF SHEET NO. -0987	
			R!							
			A!							
			S!							

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: EMER GENERATOR ROOMS VENTIL'N	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION III PG. 2 OF SUPPLEMENT REPT.	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC<
COMPONENT: FAN MOTOR								
PLANT NUMBER: E-28(3A-SA)	TEMPERATURE	120 DEGF SEE NOTE (2)	150 DEGF (65 C)	HVAC TEMP MAPS DWG NO: G-135	SECTION III PG. 2 OF SUPPLEMENT REPT.	TYPE TEST + ENGR. EVAL.	YES	MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: RELIANCE ELECTRIC CO.	PRESSURE			FSAR TABLE 3.11-1	SEE NOTE (1)	TYPE TEST		(1) PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. (2) THE FAN MOTOR IS LOCATED WITHIN HVAC DUCT EXHAUSTING THE AIR @ 120 DEGF FROM THE DIESEL GENERATOR ROOM. (EL. +21.00) (3) EBASCO FILE NO. EQ-HV-2
MODEL AND SERIAL NUMBER: TEAO FRAME UNIT	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SECT. II C.3 PG 1 OF SUPPLEMENT REPT.	TYPE TEST		
SERVICE DESCRIPTION: SERVING UNIT E-28(3A-SA)	CHEMICAL SPRAY	N/R						
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	204 MRADS	RADIATION ZONE: M DWG. G-134	SECTION III.C PG 14 OF REP-9	TYPE TEST		
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING ELEVATION: +46 FT.	AGING	40 YEARS	40 YEARS	FSAR SECTION 3.11-1	SECTION III PG 2 OF SUPPLEMENT REPT.	TYPE TEST		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J & 3A	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS HQ2							REVISION NO.-01
QUALIF STATUS: QUALIFIED								PREPARER: EAB 07/30/82 DATE
								CHECKER: AKB 07/30/82 DATE
								REFERENCES: (1) RELIANCE ELECTRIC CO. SUMMARY REPORT NUC-9, DATED 7/1/78 AND SUPPLEMENTAL REPORT TO NUC-9 DATED 4/14/80
								SYSTEM: EMER GENERATOR ROOMS VENTIL'N
								QDEF SHEET NO.-0988

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: EMER GENERATOR ROOMS VENTIL'N	OPERATING TIME	1 HOUR	2 HOURS	FSAR TABLE 3.11-2	SECTION 5.5.2 OF REF (1)	TYPE TEST + ENGR. EVAL.	YES	QUALIFIED LIFE IS: 2 YRS.
COMPONENT: HYDRAMOTOR OPERATOR								
PLANT NUMBER: D-6(SA)	TEMPERATURE	104 DEGF	185-100DAY! 150-100DAY! 122-30DAYS!	HVAC TEMP MAPS DWG NO: G-134	TABLE (1) OF REF (1) & NOTE 1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: PER ITT REPORT #721.81.138 TABLE 1, P9
MANUFACTURER: ITT	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SEE NOTE (1)	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT
MODEL AND SERIAL NUMBER: NH-91	RELATIVE HUMIDITY	20-90%	150-100DAYS! 195-100DAYS! 190-30 DAYS!	FSAR TABLE 3.11-1	TABLE 1 OF REF.(1) & NOTE (1)	TYPE TEST		PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURNG NORMAL SHUTDOWN MODE OF OPERATION.
SERVICE DESCRIPTION: SERVING FAN E-28(3A-SA)	CHEMICAL SPRAY	N/R						(2) EBASCO FILE NO. EQ-HV-7
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	1700 RADS	1 MRAD	RADIATION MAPS DWG. G-134	SECT 5-4.1 OF REF (1)	TYPE TEST		
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING ELEVATION: +46 FT.	AGING	N/R						
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J & 3A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS H07		O! T! P! H! C! R! A! S!	REFERENCES: (1) ITT GENERAL CONTROLS QUALIFICATION REPORT # 721.81.137 REV1 (NH 90 QUAL. REPORT) (2) ITT REPORT # 721.81.138				PREPARER: EAB 07/30/82 DATE CHECKER: AKB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED								SYSTEM: EMER GENERATOR ROOMS VENTIL'N QDEF SHEET NO.-0989

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS-TECY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: EMER GENERATOR ROOMS VENTIL'N	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION III PG. 2	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: FAN MOTOR					OF SUPPLEMENT REPT.			
PLANT NUMBER: E-28(3B-SB)	TEMPERATURE	120 DEGF. SEE NOTE (2)	150 DEGF. (65 C)	HVAC TEMP MAPS DWG NO: G-135	SECTION III PG. 2	TYPE TEST + ENGR. EVAL.	YES	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: RELIANCE ELECTRIC CO.	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SEE NOTE (1)	TYPE TEST		(1) PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION.
MODEL AND SERIAL NUMBER: TEAO FRAME 405T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SECT. II C.3 PG 1	TYPE TEST		(2) THE FAN MOTOR IS LOCATED WITHIN HVAC DUCT EXHAUSTING THE AIR @ 120 DEGF FROM THE DIESEL GENERATOR ROOM. (EL. +21.00)
SERVICE DESCRIPTION: SERVING UNIT E-28(3B-SB)	CHEMICAL SPRAY	N/R						(3) EBASCO FILE NO. EQ-HV-2
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	1204 MRADS	RADIATION MAPS ZONE:M DWG. G-134	SECTION III.C PG. 14 OF REP-ORT NUC -9	TYPE TEST		
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING ELEVATION: +46 FT.	AGING	40 YEARS	40 YEARS	FSAR SECTION 3.11-1	SECTION III PG 2	TYPE TEST		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J & 6A	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: ! (IF REQUIRED) !							! REVISION NO. -01
ENVIRON'T IS HARSH								! PREPARER: EAB 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS HO2							! DATE
QUALIF STATUS: QUALIFIED								! CHECKER :AKB 07/30/82
				REFERENCES: (1) RELIANCE ELECTRIC CO. SUMMARY REPORT NUC-9, DATED 7/1/78 AND SUPPLEMENTAL REPORT TO NUC-9 DATED 4/14/80				! DATE
								! SYSTEM: EMER GENERATOR ROOMS VENTIL'N
								! QDEF SHEET NO. -0990

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: EMER GENERATOR ROOMS VENTIL'N	OPERATING TIME	1 HOUR	2 HOURS	FSAR TABLE 3.11-2	SECTION 5.5.2 OF REF (1)	TYPE TEST + ENGR. EVAL.	YES	QUALIFIED LIFE IS: 2 YRS.
COMPONENT: HYDRAMOTOR OPERATOR								
PLANT NUMBER: D-6(SB)	TEMPERATURE	104 DEGF	185-100DAY 150-100DAY 122-30DAYS	HVAC TEMP MAPS DWG NO: G-134	TABLE (1) OF REF (1) & NOTE 1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: PER ITT REPORT #721.81.138 TABLE 1, P9
MANUFACTURER: ITT	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SEE NOTE (1)	TYPE TEST		!!(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION.THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURNG NORMAL SHUTDOWN MODE OF OPERATION.
MODEL AND SERIAL NUMBER: NH-91	RELATIVE HUMIDITY	20-90%	150-100DAYS 95-100DAYS 90-30 DAYS	FSAR TABLE 3.11-1	TABLE 1 OF REF.(1) & NOTE (1)	TYPE TEST		!!(2) EBASCO FILE NO. EQ-HV-7
SERVICE DESCRIPTION: SERVING FAN E-28(3B-SB)	CHEMICAL SPRAY	N/R						
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	1700 RADS	1 MRAD	RADIATION MAPS ZONE:M DWG. G-134	SECT 5-4.1 OF REF (1)	TYPE TEST		
ACCURACY DEMONS.: N/A	AGING	N/R						
LOCATION: AUX BUILDING ELEVATION: +46. FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J & 6A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDF APPLIES TO:							
ENVIRON'T IS HARSH	ANALYSIS HO7 O! T! P! H! C! R! A! S!							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	REFERENCES: (1) ITT GENERAL CONTROLS QUALIFICATION REPORT # 721.81.137 REV1 (NH 90 QUAL. REPORT) (2) ITT REPORT # 721.81.138							PREPARER: EAB 07/30/82 DATE C IECKER :AKB 07/30/82 DATE
								SYSTEM: EMER GENERATOR ROOMS VENTIL'N QDEF SHEET NO.-0991

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: EMER GENERATOR ROOMS VENTIL'N	OPERATING TIME	1 HOUR	133 DAYS	FSAR TABLE 3.11-2	REPT#37274	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: PNEUMATIC OPERATOR			ENVIRON- MENT		II PG 11-1 & FIGURE-1	ENG. EVAL.		
PLANT NUMBER: LD-2(SA)	TEMPERATURE	120 DEGF.	1375 DEGF PEAK	"HVAC TEMP MAPS"DWG NO G-135	REP 37274	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: PISTON SEALS & LUBRICANT 5 YEARS
MANUFACTURER: GH BETTIS	PRESSURE	ATMOSPHE- RIC	177-6 HRS 166-5 HRS	FSAR TABLE 3.11-1	REP #37274	TYPE TEST		
MODEL AND SERIAL NUMBER: #CB 725-SR60	RELATIVE HUMIDITY	20-90%	144 12 HRS 133-9 DAYS	100%	FSAR TABLE 3.11-1	REPT#37274 VOL VI SEC II PG 11-1	TYPE TEST	(1)PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNI- FICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAIN- MENT ANY MORE THAN DURING NORMAL SHUT DOWN MODE OF OPER- ATION.
SERVICE DESCRIPTION: SERVING LOUVER DAMPER LD-2(SA)	CHEMICAL SPRAY	NOT REQUIRED						
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	88 RADS	140 MRADS	"RADIATION ZONE" DWG-NO G-135	REP#37274	TYPE TEST		(2)EBASCO FILE NO: EQ-HV-4
ACCURACY DEMONS.: N/A	AGING	40 YEARS	294 HOURS	FSAR SECT 3.11-1	REPT#37274	TYPE TEST +	YES	
LOCATION: AUX. BUILDING ELEVATION: +21.0 FT.			AT 250 DEG F		APP B &VOL. V PG II-1	ENG. EVAL.		
FLOOD LEVEL EL: N/A FEET	SUBMER- GENCE	INDI REQUIRED						
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J & 1A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH	ANALYSIS H03 O! Y! P! H! C! R! A! S!						REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED							PREPARER: EAB 07/30/82 DATE CHECKER :AKB 07/30/82 DATE	
	REFERENCES: (1)GH BETTIS NUCLEAR QUALIFICATION TEST REPORT NO 37274 (REV.3)DATED OCT.2,1981						SYSTEM:EMER GENERATOR ROOMS VENTIL'N QDEF SHEET NO.-0992	

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: EMER GENERATOR ROOMS VENTIL'N	OPERATING TIME	1 HOUR	130 DAYS IN LOCA ENVIRONMENT	FSAR TABLE 3.11-2	REF.(1) SEC.3.2.7 P.3-2	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID VALVE	TEMPERATURE	120 DEGF.	346 DEGF PEAK	"HVAC TEMP MAPS" DWGS NO. G-135	REF.(1) SEC 4.7 P.4-4 FIG. 1;P. 3-3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: COILS & ELASTROMERIC COMPONENTS- 4 YEARS
PLANT NUMBER: LD-2(SA)	PRESSURE	ATMOSPHERIC	110 PSIG PEAK	FSAR TABLE 3.11-1	REF.(1) SEC. 4.7 P.4-4 FIG. 1;P. 3-3	TYPE TEST		(1)PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANY MORE THAN DURING NORMAL SHUTDOWN MODE OF OPERATION.
MANUFACTURER: AUTOMATIC SWITCH CO.	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	REF.(1) SEC. 4.7 P. 4-4	TYPE TEST		(2)EBASCO FILE NO: EQ-HV-5
MODEL AND SERIAL NUMBER: NP8320A1B5E	CHEMICAL SPRAY	NOT REQUIRED				TYPE TEST		
SERVICE DESCRIPTION: SERVING LOUVER DAMPER LD-2(SA)	RADIATION	88 RADS	200 MRADS	"RADIATION MAPS" ZONE:0 DWG G-135	REF.(1) SEC. 4.6 P. 4-4	TYPE TEST		
FUNCTION: AM	AGING	40 YEARS	12 DAYS AT 268 DEG F	FSAR SECT 3.11-1	REF.(1) APPENDIX A P.9.3-9.4	TYPE TEST + ENG. EVAL.	YES	
ACCURACY SPECIFIED: N/A	SUBMERGENCE	NOT REQUIRED						
ACCURACY DEMONS.: N/A								
LOCATION: AUX. BUILDING ELEVATION: +21.0 FT.								
FLOOD LEVEL EL: N/A FEET								
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J & 1A	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS H04							REVISION NO.-01
QUALIF STATUS: QUALIFIED	ANALYSIS W03							PREPARER: EAB 07/30/82 DATE CHECKER : AKB 07/30/82 DATE
	REFERENCES: (1)ASCO TEST REPORT NO AQS21678/TR,REV.A-JULY 1979							SYSTEM: EMER GENERATOR ROOMS VENTIL'N
								QDEF SHEET NO.-0993

DESCRIPTION	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	NOTES
SYSTEM: EMER GENERATOR ROOMS VENTIL'N	OPERATING TIME	1 HOUR	30 DAYS	FSAR TABLE 3.11-2	REF (1) P. 10-14	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YRS.
COMPONENT: LIMIT SWITCH			ENVIRONMENT		FIG. 3	ENGR. EVAL.		
PLANT NUMBER: LD-2(SA)	TEMPERATURE	120 DEGF	346 DEGF PEAK	HVAC TEMP MAPS DWG NO: G-135	REF (1) P. 10-5 & 14, FIG 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P4-3.1
MANUFACTURER: NAMCO	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	REF (1) P 10-5814	TYPE TEST		
MODEL AND SERIAL NUMBER: EA-180 SERIES	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	REF. (1) P. 10.9	TYPE TEST		(1) PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURNG NORMAL SHUTDOWN MODE OF OPERATION.
SERVICE DESCRIPTION: SERVING LOUVER DAMPER LD-2(SA)	CHEMICAL SPRAY	N/R			PARA 2			(2) EBASCO FILE NO. EQ-HV-6
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	88 RADS	204 MRADS	RADIATION MAPS ZONE:0 DWG. G-135	REF (1) P. 10-7	TYPE TEST		
ACCURACY DEMONS.: N/A	AGING	140 YEARS	400 HOURS @ 248 DEGF	FSAR SECTION 3.11-1	REF (1) P. 10-6	TYPE TEST +ENG.	YES	
LOCATION: AUX BUILDING ELEVATION: +21 FT.	SUBMERGENCE	N/R			FIG 8 P. 4-12	EVAL.		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A								
COORDINATES: J & 1A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	ANALYSIS H05	O!	T!	P!	H!	C!	R!	PREPARER: EAB 07/30/82 DATE
	ANALYSIS W04	A!	S!		REFERENCES: (1) NAMCO QUALIFICATION REPORT OF EA-180 SERIES LIMIT SWITCHES. REPORT # QTR 105 REV 1			CHECKER :HSP 07/30/82 DATE
								SYSTEM: EMER GENERATOR ROOMS VENTIL'N QDEF SHEET NO. -0994

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: CONT. ATMOS. RELEASE(CARS)	OPERATING TIME	120 DAYS	1400 HOURS	FSAR TABLE	REF (1) P. 4-18	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH				3.11-2				
PLANT NUMBER: 2HV-B193 A/B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO: G-134	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	1 ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1) TEMP, PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 170-41302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SERVING 2HV-B193 A/B				3.11-1				
FUNCTION: A.M	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAPS ZONE -M DWG G-134	REF (1) P. 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-		
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: L- 5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:			REVISION NO.-01	
ENVIRON'T IS HARSH	ANALYSIS M-3			REFERENCES: (1)NAMCO QUALIFICATION OF EA 170-XX302 REPORT # QTR 107 REV.O.			PREPARER:BM 07/30/82 DATE	
EQUIPMENT EXEMPT FROM QUALIFICATION:NO							CHECKER :SKS 07/30/82 DATE	
QUALIF STATUS: QUALIFIED							SYSTEM:CONT. ATMOS. RELEASE(CARS)	
							QDEF SHEET NO.-0995	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. ATMOS. RELEASE(CARS)	OPERATING TIME	120 DAYS	1400 HOURS	FSAR TABLE	REF (1) P 4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH				3.11-2		ENG. EVAL.		
PLANT NUMBER: 2HV-B194A	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P4-17
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			(1) TEMP,PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 170-41302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			
SERVICE DESCRIPTION: SERVING 2HV-B194A								
FUNCTION: A/M	CHEMICAL SPRAY	N/R	-					
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAPS	REF (1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A				ZONE: -M				
	AGING	N/R	-					
LOCATION: AUX BUILDING								
ELEVATION: +46.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-					
ABOVE FLOOD LEVEL: N/A								
COORDINATES: L-5A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-3			REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPORT # QTR 107 REV O				PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALITIFIED								SYSTEM:CONT. ATMOS. RELEASE(CARS)
								QDEF SHEET NO.-0996

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONT. ATMOS. RELEASE(CARS)	OPERATING TIME	120 DAYS	1400 HOURS	FSAR TABLE	REF (1) P 4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH				3.11-2		ENG. EVAL.			
PLANT NUMBER: 2HV-B194 A	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			(1)TEMP,PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 170-42302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)				
SERVICE DESCRIPTION: SERVING 2HV-B194 A									
FUNCTION: A.M.	CHEMICAL SPRAY	N/R	-						
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAPS	REF (1) P.10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A				ZONE: -M					
	AGING	N/R	-						
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-						
ABOVE FLOOD LEVEL: N/A									
COORDINATES: L-5A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO. -01
ENVIRON'T IS HARSH	ANALYSIS M-3								PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								REFERENCES: (1) NAMCO QUALIFICATION OF EA 170-XX302 REPORT # QTR 107 REV.0	SYSTEM:CONT. ATMOS. RELEASE(CARS) QDEF SHEET NO.-0997

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. ATMOS. RELEASE(CARS)	OPERATING TIME	120 DAYS	1400 HOURS	FSAR TABLE	REF (1) P.4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH				3.11-2		ENG. EVAL.		
PLANT NUMBER: 2HV-B195 B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO: G-134	SEE NOTE (1)	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	TYPE TEST		(1)TEMP,PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 170-41302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SERVING 2HV-B195B								
FUNCTION: A.M.	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	204 M RADS	RADIATION MAPS ZONE -M DWG G-134	REF (1) P.10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-		
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: L-5A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH	ANALYSIS M-3			O T P H C R A S				PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO				REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPORT # QTR 107 REV.0				CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								SYSTEM:CONT. ATMOS. RELEASE(CARS) QDEF SHEET NO. -0998

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: CONT. ATMOS. RELEASE(CARS)	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF (1) P.4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH				3.11-2		ENG. EVAL.		
PLANT NUMBER: 2HV-B195 B	TEMPERATURE	110 DEG F	SEE NOTE (1)	HVAC TEMP MAPS DWG NO: G-134	SEE NOTE (1)	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	1 ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	TYPE TEST		(1)TEMP,PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 170-41302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SERVING 2HV-B195B								
FUNCTION: A.M.	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	204 M RADS	RADIATION MAPS ZONE -M DWG G-134	REF (1) P.10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-		
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: L-5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-3	O!						PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO		T!						CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED		H!		REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPORT # QTR 107 REV.0				SYSTEM:CONT. ATMOS. RELEASE(CARS)
		C!						QDEF SHEET NO.-0998
		R!						
		A!						
		S!						

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENLY ANALYZED	
SYSTEM: CONT. ATMOS. RELEASE(CARS)	OPERATING TIME	120 DAYS	1400 HOURS	FSAR TABLE	REF (1) P 4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH				3.11-2		ENG. EVAL.		
PLANT NUMBER: 2HV-B195 B	TEMPERATURE	1104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P4-17
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) TEMP,PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 170-42302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SERVING 2HV-B195B	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAPS ZONE -M DWG G-134	REF (1) P.10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-		
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET								
ABOVE FLOOD LEVEL: N/A								
COORDINATES: L-5A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-3							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPORT #QTR 107 REV.O							
QUALIF STATUS: QUALIFIED	REVISION NO.-01							
	PREPARER:BM 6/7/30/82 DATE							
	CHECKER :SKS 07/30/82 DATE							
	SYSTEM:CONT. ATMOS. RELEASE(CARS)							
	QDEF SHEET NO.-0999							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:								QUALIFIED LIFE IS:	
COMPONENT: FOR FUTURE									
PLANT NUMBER: RESERVED	TEMPERATURE							MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE								
MODEL AND SERIAL NUMBER:								DELETED, THIS SHEET INTENTIONALLY LEFT BLANK	
SERVICE DESCRIPTION:	RELATIVE HUMIDITY								
FUNCTION:	CHEMICAL SPRAY								
ACCURACY SPECIFIED:	RADIATION								
ACCURACY DEMONS.:									
LOCATION: BUILDING	AGING								
ELEVATION: FT.									
FLOOD LEVEL EL: FEET	SUBMERGENCE								
ABOVE FLOOD LEVEL:									
COORDINATES:	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE! (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:		REVISION NO. - 0
ENVIRON'T IS								PREPARER: 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION:								DATE	
QUALIF STATUS:								CHECKER : 07/30/82	
								DATE	
								SYSTEM:	
								QDEF SHEET NO. -1000	

INDEX OF QUALIFICATION DATA EVALUATION FORMS

Volume II - 0100-1000
Volume III - 1001-2149

VOLUME II

0100-0114 - I&C Transmitters
0116-0124 - I&C Transmitters
0130-0133 - I&C Transmitters
0140-0145 - I&C Transmitters
0148-0172 - I&C Transmitters
0175-0182 - I&C Transmitters
0185-0207 - I&C Transmitters
0209-0210 - I&C Transmitters
0212-0223 - I&C Transmitters
0400-0425 - I&C Pressure Switches
0450-0486 - I&C Transmitters
0500-0541 - I&C Thermocouples
0601-0656 - Electrical
0800-1000 - Mechanical (including HVAC)

VOLUME III

1001-1251 - Mechanical (including HVAC)
1600-1631 - Radiation Monitoring
2000-2014 - NSSS - I&C
2048-2076 - NSSS - I&C
2100-2149 - NSSS - Mechanical

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF (1) P 4-18	TYPE TEST+ ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT:	LIMIT SWITCH									
PLANT NUMBER:	3HV-B205	TEMPERATURE	104 DEG F	SEE NOTE (1)	HVAC TEMP MAPS DWG NO: G-134	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER:	NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) TEMP,PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER:	EA 170-41302	RELATIVE HUMIDITY	150 %	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION:	SERVING 2HV-B205	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION:	A.M									
ACCURACY SPECIFIED:	N/A	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAPS ZONE -M DWG G-134	REF (1) P. 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.:	N/A	AGING	N/R	-	-	-	-			
LOCATION:	AUX BUILDING									
ELEVATION:	+46.0 FT.									
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	K-6A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:								
ENVIRON'T IS HARSH		ANALYSIS M-3	O!						REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION:NO			T!						PREPARER:BM 07/30/82 DATE	
QUALIF STATUS: QUALIFIED			P!						CHECKER :SKS 07/30/82 DATE	
			H!		REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPR# QTR 107					
			C!		REV.O				SYSTEM:CONTROLLED AREA VENTIL'N	
			R!						QDEF SHEET NO.-1001	
			A!							
			S!							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	1400 HOURS	FSAR TABLE	REF (1) P.4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH				3.11-2		ENG EVAL			
PLANT NUMBER: 2HV-B205	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-9005 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)				
MODEL AND SERIAL NUMBER: EA 170-42302	RELATIVE HUMIDITY	150 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			(1) TEMP,PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION: SERVING 2HV-B205	CHEMICAL SPRAY	N/R	-						
FUNCTION: A.M									
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAPS	REF (1) P.10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A	AGING	N/R	-	ZONE-M DWG G-134					
LOCATION: AUX BUILDING									
ELEVATION: +46.0 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-						
ABOVE FLOOD LEVEL: N/A									
COORDINATES: K-6A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-3								OTHER EQUIPMENT THIS QDEF APPLIES TO: REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								PREPARER:BM 07/30/82 DATE	
QUALIF STATUS: QUALIFIED								CHECKER :SKS 07/30/82 DATE	
				REFERENCES: (1) NAMCO QUALIFICATION OF EA 170-XX302 REPORT # QTR 107 REV.0				SYSTEM:CONTROLLED AREA VENTIL'N	
								QDEF SHEET NO.-1002	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE	REF (1) P. 10	TYPE TEST +		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: MOTOR OPERATOR				3.11-2	FIG 1 AND REF(2)	ENG. EVAL.		
PLANT NUMBER: 3HV-B206A	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO: G-134	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			(1)TEMP,PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT
MODEL AND SERIAL NUMBER: SMB-000-2/HOBC	RELATIVE HUMIDITY	50 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: SERVING 3HV-B206A	CHEMICAL SPRAY	N/R	-					
FUNCTION: A.M								
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	20 M RADS	RADIATION MAPS ZONE -M DWG G-134	REF (1) P. 8 SEC.4.3	TYPE TEST		EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A	AGING	N/R	-					
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-					
ABOVE FLOOD LEVEL: N/A								
COORDINATES: K-6A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED				REFERENCES: (1) LIMITORQUE CORP. REPORT # BO003 : APPENDIX D TO REPORT # BO058 (2) LIMITORQUE CORP. REPORT BO058 PARAGRAPH 3.2.1.3				SYSTEM: CONTROLLED AREA VENTIL'N QDEF SHEET NO. -1003

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE	REF (1) P. 10	TYPE TEST +		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: MOTOR OPERATOR				3.11-2	FIG 1 AND REF(2)	ENG. EVAL.		
PLANT NUMBER: 3HV-B207B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			(1) TEMP, PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: SMB-000-2/HOBC	RELATIVE HUMIDITY	150 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			
SERVICE DESCRIPTION: SERVING 3HV-B207B				3.11-1				
FUNCTION: A.M	CHEMICAL SPRAY	N/R	-					
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	20 M RADS	RADIATION MAPS	REF (1) P.8	TYPE TEST		EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A				ZONE -M DWG G-134	SEC. 4.3			
LOCATION: AUX BUILDING	AGING	N/R	-					
ELEVATION: +46.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-					
ABOVE FLOOD LEVEL: N/A								
COORDINATES: K-7A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED				REFERENCES: (1) LIMITORQUE CORP. REPORT # BO003 : APPENDIX D TO REPORT # BO058 (2)LIMITORQUE CORP.REPORT BO058 PARAGRAPH 3.2.1.3				SYSTEM:CONTROLLED AREA VENTIL'N QDEF SHEET NO.-1004

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE 3.11-2	REF (1) P. 10 FIG. 1 AND REF(2)	TYPE TEST + ENG EVAL		QUALIFIED LIFE TS: 40+1 YR ACC	
COMPONENT: MOTOR OPERATOR									
PLANT NUMBER: 3HV-B208A	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO: G-134	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)	
MANUFACTURER: LIMITORQUE	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			(1) TEMP, PRESS. AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: SMB-000-2/HOBC	RELATIVE HUMIDITY	150 %	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)				
SERVICE DESCRIPTION: SERVING 3HV-B208A	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: A.M									
ACCURACY SPECIFIED: N/A	RADIATION	12.5 MRADS	20 M RADS	RADIATION MAPS ZONE -M DWG G-134	REF (1) P.8 SEC 4.3			EBASCO FILE NO: EQ-ME-5	
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-			
LOCATION: AUX BUILDING									
ELEVATION: +46.0 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-6A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
ENVIRON'T IS HARSH									PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									CHECKER: SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								REFERENCES: (1) LIMITORQUE CORP. REPORT # BO003: APPENDIX D TO REPORT # BO058 (2) LIMITORQUE CORP. REPORT BO058 PARAGRAPH 3.2.1.3	SYSTEM: CONTROLLED AREA VENTIL'N QDEF SHEET NO.-1005

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE 3.11-2	REF(1) P. 10 FIG. 1 AND REF(2)	TYPE TEST + ENG EVAL		QUALIFIED LIFE IS: 40+1 YR ACC	
COMPONENT: MOTOR OPERATOR									
PLANT NUMBER: 3HV-B209B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO: G-134	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)	
MANUFACTURER: LIMITORQUE	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) TEMP, PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: SMB-000-2, HOBC	RELATIVE HUMIDITY	50 %	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: SERVING 3HV-B209B	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: A.M									
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	20 MRADS	RADIATION MAPS ZONE -M DWG G-134	REF(1) P. 8 SEC. 4.3	TYPE TEST		EBASCO FILE NO: EQ-ME-5	
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-			
LOCATION: AUX BUILDING									
ELEVATION: +46.0 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-7A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO. -01
ENVIRON'T IS HARSH									PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									CHECKER: SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								REFERENCES: (1) LIMITORQUE CORP. REPORT # BO003 : APPENDIX D TO REPORT # BO058 (2) LIMITORQUE CORP. REPORT BO058 PARAGRAPH 3.2.1.3	SYSTEM: CONTROLLED AREA VENTIL'N QDEF SHEET NO. -1006

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	!! 120 DAYS	!! 400 HOURS	FSAR TABLE	REF (1) P 4-18	TYPE TEST+ ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 3HV-B210A	TEMPERATURE	!! 148 DEGF	!! 248 DEGF	HVAC TEMP MAPS	REF (1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	!! ATM	!! SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		!!(1)PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 170-41302	RELATIVE HUMIDITY	!! 50%	!! SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
SERVICE DESCRIPTION: SERVING 3HV-B210A									
FUNCTION: A.M	CHEMICAL SPRAY	!! N/R	!! -						
ACCURACY SPECIFIED: N/A	RADIATION	!! 64000 RADS	!! 204 M RADS	RADIATION MAPS	REF (1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A									
LOCATION: AUX BUILDING	AGING	!! 40 YEARS	!! 400 HRS AT	FSAR SEC.3.11.1	REF (1) P 4-27	TYPE TEST			
ELEVATION: -4.0 FT.	ACCIDENT	!!	!! 20 YRS		(FIG 14) & P 10-62				
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	!! N/R	!! -						
ABOVE FLOOD LEVEL: N/A									
COORDINATES: L-9A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-3								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
	REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO QTR 107 REV 0								SYSTEM:CONTROLLED AREA VENTIL'N
									QDEF SHEET NO.-1007

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF (1) P 4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH				3.11-2		ENG. EVAL.		
PLANT NUMBER: 3HV-B210A	TEMPERATURE	148 DEGF	248 DEGF	HVAC TEMP MAPS	REF (1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1)PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION.
MODEL AND SERIAL NUMBER: EA 170-42302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SERVING 3HV-B210A				3.11-1				
FUNCTION: A.M	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	64000 RADS	204 M RADS	RADIATION MAPS	REF (1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A				ZONE :FF	DWG G-145			
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	AGING	40YRS +1YR	400HRS AT 120C EQUIV	FSAR SEC 3.11.1	REF (1) P 4-27	TYPE TEST		
		ACCIDENT	TO 20YRS AT 104F		(FIG 14) P 10-62			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: L-9A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-3							PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED				REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPORT NO QTR 107 REV 0				SYSTEM:CONTROLLED AREA VENTIL'N QDEF SHEET NO.-1008

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	!! 120 DAYS	!! 130 DAYS IN LOCA ENV	FSAR TABLE	REF (1) P 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID				3.11-2	SEC 3.2.7	ENG EVAL		
PLANT NUMBER: 3HV-B210A	TEMPERATURE	!! 148 DEG F	!! 1346 DEG F PEAK	HVAC TEMP MAPS	REF (1) P 4-4	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: 4 YRS COMPS. REPLACEMENT REF (1)APP.I SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	!! ATM	!! SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		!! (1)PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: NP831665E	RELATIVE HUMIDITY	!! 50 %	!! SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SERVING 3HV-B210A	CHEMICAL SPRAY	!! N/R	!! -	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	!! 64000 RADS	!! 200 M RADS	RADIATION MAPS	REF (1) P 4-4	TYPE TEST		!! EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A	AGING	!! 40YRS +1YR	!! 268F FOR 12 DAYS EQ TO 4.4 YRS	FSAR SEC 3.11.1	REF (1) APP A	TYPE TEST		
LOCATION: AUX BUILDING								
ELEVATION: -4.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	!! N/R	!! -	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: L-9A	! INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	! ANALYSIS IN WORKFILE (IF REQUIRED)							
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	! ANALYSIS M-1							
QUALIF STATUS: QUALIFIED	! OTHER EQUIPMENT THIS QDEF APPLIES TO:							
	! REFERENCES: (1) AGCO TEST REPORT # AQS21678/TR REV A JULY 1979							
	! REVISION NO.-01							
	! PREPARER: BM 07/30/82							
	! CHECKER : SKS 07/30/82							
	! SYSTEM: CONTROLLED AREA VENTIL'N							
	! QDEF SHEET NO.-1009							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF (1) P 4-18	TYPE TEST+	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH				3.11-2		ENG EVAL		
PLANT NUMBER: 3HV-B215B	TEMPERATURE	135 DEGF	248 DEGF	HVAC TEMP MAPS DWG NO: G-144	REF (1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	1 ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA170-41302	RELATIVE HUMIDITY	150 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SERVING 3HV-B215B	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	93 RADS	204 M RADS	RADIATION MAPS ZONE -EE DWG G-144	REF (1) P.10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	140 YRS + 1 YEAR	400 HRS AT 120C EQUIV TO 20 YRS. AT 104F	FSAR SEC	REF (1) P 4-27 (FIG.14)	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: +35.0 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	INDEX FOR INCONSISTENCY!							
COORDINATES: M-5A	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH	ANALYSIS M-3							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED				REFERENCES: (1) NAMCO QUALIFICATION OF EA 170-XX302 REPORT #QTR 107 REV.0				CHECKER : SKS 07/30/82 DATE
								SYSTEM: CONTROLLED AREA VENTIL'N
								QDEF SHEET NO.-1010

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF (1) P.4-18	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 3HV-B215B	TEMPERATURE	135 DEGF	248DEGF	HVAC TEMP MAPS DWG NO: G-144	REF (1) P.4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	1 ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		((1) PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 170-42302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: SERVING 3HV-B215B	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	93 RADS	204 M RADS	RADIATION MAPS ZONE -EE DWG G-144	REF (1) P.10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A	AGING	140 YRS + 1 YEAR	400 HRS AT 120C EQUIV TO 20 YRS. AT 104F	FSAR SEC 3.11.1	REF (1) P.4-27 (FIG. 14)	TYPE TEST			
LOCATION: AUX BUILDING ELEVATION: +35.0 FT.	SUBMERGENCE	N/R	-	-	-	-			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A									
COORDINATES: M-5A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-3	O	T	P	H	C	R	PREPARER: BM 07/30/82 DATE	
QUALIF STATUS: QUALIFIED								CHECKER : SKS 07/30/82 DATE	
					REFERENCES: (1) NAMCO QUALIFICATION OF EA 170-XX202 REPORT # QTR 107 REV.0			SYSTEM: CONTROLLED AREA VENTIL'N	
								QDEF SHEET NO.-1011	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF.(1) P.3-2 SEC.3.2.7	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS
PLANT NUMBER: 3HV-B215B	TEMPERATURE	135 DEGF	346 DEGF PEAK	HVAC TEMP MAPS DWG NO. G-144	REF.(1) P 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS REPLACEMENT REF(1) APP.I SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		-(1) PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: NP 891665E	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SERVING 3HV-B215B	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	93 RADS	200 M RADS	RADIATION MAPS ZONE -EE DWG G-144	REF.(1) P.4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A	AGING	40 YRS + 1 YEAR ACCIDENT	268F FOR 12 DAYS EQ TO 4.4YRS AT 140F	FSAR SEC 3.11.1	REF(1) APP.A P 9-3&4	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: +35.0 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	INDEX FOR INCONSISTENCY!							
COORDINATES: M-5A	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-1			REFERENCES: (1) ASCO TEST REPORT #AQS 21678/TR REV A JULY 1979				PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								SYSTEM: CONTROLLED AREA VENTIL'N
								QDEF SHEET NO.-1012

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF (1) P.4-18	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH				3.11-2				
PLANT NUMBER: 3HV-B216A	TEMPERATURE	135 DEGF	248DEGF	HVAC TEMP MAPS DWG NO. G-144	REF.(1) P.4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA170-41302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SERVING 3HV-B216A	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	93 RADS	204 M RADS	RADIATION MAPS ZONE -EE DWG G-144	REF.(1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	40 YRS. + 1 YR	400 HRS AT 120C EQUIV TO 20YRS. AT 104 F	FSAR SEC	REF.(1) P 4-27 (FIG. 14)	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: 35.0 FT.	ACCIDENT			3.11.1				
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: M-5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH	ANALYSIS M-3							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED								CHECKER :SKS 07/30/82 DATE
				REFERENCES: (1)NAMCO QUALIFICATION OF EA 170-XX302 REPORT NO: QTR 107 REV D				SYSTEM:CONTROLLED AREA VENTIL'N
								QDEF SHEET NO.-1013

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENVIR	FSAR TABLE 3.11-2	REF.(1) P.3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID					SEC 3.2.7	ENG. EVAL.			
PLANT NUMBER: 3HV-B216A	TEMPERATURE	135 DEGF	346 DEGF PEAK	HVAC TEMP MAPS DWG G-144	REF.(1) P.4-4 SEC.4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF.(1)APP.I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	1ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: NP831665 E	RELATIVE HUMIDITY	150%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: SERVING 3HV-B216A	CHEMICAL SPRAY	1N/R	-	-	-	-			
FUNCTION: A.M.	RADIATION	93 RADS	200 M RADS	RADIATION MAPS ZONE -EE DWG G-144	REF.(1) P 4-4 SEC.4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY SPECIFIED: N/A	AGING	140 YRS	268 F FOR 12 DAYS EQ	FSAR SEC 3.11.1	REF.(1) P.A P 9-384	TYPE TEST			
ACCURACY DEMONS.: N/A	LOCATION: AUX BUILDING ELEVATION: +35.0 FT.	ACCIDENT	AT 140F						
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	1N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: M-5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-1								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									REVISION NO.-01
QUALIF STATUS: QUALIFIED									PREPARER:BM 07/30/82 DATE
									CHECKER :SKS 07/30/82 DATE
									REFERENCES: (1)ASCO TEST REPORT # AQS21678/TR REV A JULY 1979
									SYSTEM:CONTROLLED AREA VENTIL'N
									QDEF SHEET NO.-1014

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	!! 120 DAYS	!! 400 HOURS	FSAR TABLE	REF (1) P 4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH		!!	!!	3.11-2		ENG EVAL		
PLANT NUMBER: 3HV-B216A	TEMPERATURE	!! 135F	!! 248 F	HVAC TEMP MAPS DWG G-144	REF (1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	!! ATM	!! SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIF- ICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA170-42302	RELATIVE HUMIDITY	!! 50 %	!! SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SERVING 3HV-B216A	CHEMICAL SPRAY	!! N/R	!! -	-	-	-		
FUNCTION: A.M.		!!	!!					
ACCURACY SPECIFIED: N/A	RADIATION	!! 93 RADS	!! 204 M RADS	RAD MAPS ZONE:EE DWG: G-144	REF (1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	!! 40 YRS+1YR	!! 400 HRS AT ACCIDENT	FSAR SEC 3.11.1	REF (1) P 4-27 (FIG. 14)	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: +35.0 FT.		!!	!! AT 104 F					
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	!! N/R	!! -	-	-	-		
COORDINATES: M-5A	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE! (IF REQUIRED)							
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-3							
QUALIF STATUS: QUALIFIED	OTHER EQUIPMENT THIS QDEF APPLIES TO:							
	REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPORT NO. QTR 107 REV. 0							
	REVISION NO. -01							
	PREPARER: BM 07/30/82 DATE							
	CHECKER: SKS 07/30/82 DATE							
	SYSTEM: CONTROLLED AREA VENTIL'N							
	QDEF SHEET NO. -1015							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	!! 120 DAYS	!! 400 HOURS	FSAR TABLE	REF(1) P 4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH				3.11-2		ENG. EVAL.			
PLANT NUMBER: 3HV-B217B	TEMPERATURE	!! 135 DEGF	!! 248 DEGF	HVAC TEMP MAPS	REF(1) P. 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	!! ATM	!! SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		!! (1)PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 170-32302	RELATIVE HUMIDITY	!! 50 %	!! SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
SERVICE DESCRIPTION: SERVING 3HV-B217B	CHEMICAL SPRAY	!! N/R	!! -	-	-	-			
FUNCTION: A.M									
ACCURACY SPECIFIED: N/A	RADIATION	!! 93 RADS	!! 204 M RADS	RADIATION MAPS	REF(1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A				ZONE -EE					
	AGING	!! 4C YRS + 1 YEAR	!! 400 HRS AT 120C EQUIV	FSAR SEC	REF(1) P. 4-27	TYPE TEST			
LOCATION: AUX BUILDING	ACCIDENT	!!	!! TO 20 YRS AT 104F	3.11.1	(FIG.14) P. 10-62				
ELEVATION: +21.0 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	!! N/R	!! -	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: L-7A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-3								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO									PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
	REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT # QTR 107 REV.0								SYSTEM:CONTROLLED AREA VENTIL'N
									QDEF SHEET NO.-1016

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	30 DAYS IN LOCA	FSAR TABLE	REF (1) P 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID			ENV	3.11-2	SEC 3.2.7	ENG. EVAL.		
PLANT NUMBER: 3HV-B217B	TEMPERATURE	135 DEGF	346 DEGF PLAK	HVAC TEMP MAPS	REF (1) P 4-4	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF (1) APP. 1 SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1) PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: NP 831664V	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SERVING 3HV-B217B				3.11-1				
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	93 RADS	200 M RADS	RADIATION MAPS	REF (1) P. 4-4	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A				ZONE-EE DWG G-144	SEC 4.6			
LOCATION: AUX BUILDING	AGING	140 YRS + 1 YEAR	268F FOR 12 DAYS EQ	FSAR SEC	REF (1) APP. A	TYPE TEST		
ELEVATION: +21.0 FT.		ACCIDENT	TO 4.4 YRS	3.11.1	P. 9-384			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: L-7A	INDEX FOR INCONSISTENCY!							
ENVIRONMENT IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-1							
QUALIF STATUS: QUALIFIED								REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV A JULY 1979
								REVISION NO. -01
								PREPARER: BM 07/30/82
								DATE
								CHECKER: SKS 07/30/82
								DATE
								SYSTEM: CONTROLLED
								AREA VENTIL'N
								QDEF SHEET NO. - 1017

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF (1) P 4-18	TYPE TEST+ ENG EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 3HV-B218A	TEMPERATURE	148 DEGF	248 DEGF	HVAC TEMP MAPS DWG. NO. G-145	REF (1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		((1)PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 170-32302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: SERVING 3HV-B218A	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: A.M.									
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	204 M RADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) P.10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A	AGING	140 YRS + 11 YR	400 HRS AT 120C EQUIV TO 20 YRS AT 104F	FSAR SEC 3.11.1	REF (1) P 4-27 (FIG 14) P10-62	TYPE TEST			
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	SUBMERGENCE	N/R	-	-	-	-			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A									
COORDINATES: L-7A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-3								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT # QTR 107 REV.0								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER : SKS 07/30/82 DATE
									SYSTEM: CONTROLLED AREA VENTIL'N
									QDEF SHEET NO. -1018

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	!!120 DAYS	!30 DAYS !IN LOCA	! FSAR ! TABLE	! REF(1) ! P 3-2	! TYPE ! TEST +	! YES	! QUALIFIED ! LIFE IS: ! 4 YEARS
COMPONENT: SOLENOID		!!	! ENV !	! 3.11-2 !	! SEC 3.2.7 !	! ENG ! EVAL	!	!
PLANT NUMBER: 3HV-B218A	TEMPERATURE	!!148 DEGF	!346 DEGF ! PEAK	! HVAC ! TEMP MAPS ! DWG NO: ! G-145	! REF(1) ! P 4-4 ! SEC 4.7	! TYPE ! TEST	!	! MAINTENANCE / ! REPLACEMENT SCHD: ! 4 YRS COMPS. ! REPLACEMENT ! REF(1) APP.1 ! SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	!!ATM	! SEE NOTE ! (1)	! FSAR ! TABLE ! 3.11-1	! SEE NOTE ! (1)	! - !	!	! (1)PRESS AND ! HUMIDITY ARE NOT ! CONSIDERED ! SIGNIFICANT ! PARAMETERS FOR ! EVALUATION
MODEL AND SERIAL NUMBER: NP831664 V	RELATIVE HUMIDITY	!!50%	! SEE NOTE ! (1)	! FSAR TABLE ! 3.11-1	! SEE NOTE ! (1)	! - !	!	!
SERVICE DESCRIPTION: SERVICED HV- E218A	CHEMICAL SPRAY	!!N/R	! - !	! - !	! - !	! - !	!	!
FUNCTION: A.M	RADIATION	!! 64,000 RADS	!200 M RADS	! RADIATION ! MAPS ! ZONE -FF ! DWG G-145	! REF(1) ! P.4-4 ! SEC 4.6	! TYPE ! TEST	!	! EBASCO FILE NO: ! EQ ME-4
ACCURACY SPECIFIED: N/A	AGING	!!40 YRS + ! 1 YR	!268F FOR ! 12 DAYS EQ ! TO 4.4 YRS ! AT 140F	! FSAR ! SEC ! 3.11.1	! REF(1) ! APP A ! P 9-3 & 4	! TYPE ! TEST	!	!
ACCURACY DEMONS.: N/A	SUBMERGENCE	!!N/R	! - !	! - !	! - !	! - !	!	!
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	INDEX FOR INCONSISTENCY	!!ANALYSIS IN WORKFILE ! (IF REQUIRED)	!	! OTHER EQUIPMENT THIS QDEF APPLIES TO: !	!	!	!	!
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	ANALYSIS M-1	O ! T ! P ! H ! C ! R ! A ! S !	!	! REFERENCES: ! (1) ASCO TEST REPORT # ! AQS21678/TR REV.A JULY 1979 !	!	!	!	!
COORDINATES: L-7A		!	!	!	!	!	!	! REVISION NO.-01 !
ENVIRON'T IS HARSH		!	!	!	!	!	!	! PREPARER:BM 07/30/82 ! DATE !
EQUIPMENT EXEMPT FROM QUALIFICATION:NO		!	!	!	!	!	!	! CHECKER :SKS 07/30/82 ! DATE !
QUALIF STATUS: QUALIFIED		!	!	!	!	!	!	! SYSTEM:CONTROLLED ! AREA VENTIL'N ! QDEF SHEET NO.-1019

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF (1) P 4-18	TYPE TEST+ ENG EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 3HV-B223B	TEMPERATURE	148 DEGF	248 DEGF	HVAC TEMP MAPS DWG NO. G-145	REF (1) P4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 170-32302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: SERVING 3HV-B223B	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: A.M.									
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	204 M RADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) P.10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A	AGING	40 YRS + 1 YR	400 HRS AT 120C EQUIV TO 20 YRS AT 104F	FSAR SEC 3.11.1	REF (1) P4-27 (FIG.14) P. 10-62	TYPE TEST			
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	SUBMERGENCE	N/R	-	-	-	-			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A									
COORDINATES: L-6A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-3 O T P H C R A S								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: 1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO:QTR 107 REV.O								PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
									SYSTEM:CONTROLLED AREA VENTIL'N
									QDEF SHEET NO. -1020

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION			QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	CONTROLLED AREA VENTIL'N	OPERATING TIME	!! 120 DAYS	!! 30 DAYS IN LOCA ENV	FSAR TABLE	!! REF(1) P. 3-2	!! TYPE TEST +	!! YES	!! QUALIFIED LIFE IS: 4 YEARS	
COMPONENT:	SOLENOID				3.11-2	!! SEC 3.2.7	!! ENG EVAL			
PLANT NUMBER:	3HV-B223B	TEMPERATURE	!! 148 DEGF	!! 346 DEGF PEAK	HVAC TEMP MAPS	!! REF(1) P. 4-4	!! TYPE TEST		!! MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1) APP.I SEC 3.2.3.13	
MANUFACTURER:	ASCO	PRESSURE	!! ATM	!! SEE NOTE (1)	FSAR TABLE	!! SEE NOTE (1)	!! -		!! (1)PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER:	NP 831664V	RELATIVE HUMIDITY	!! 50%	!! SEE NOTE (1)	FSAR TABLE	!! SEE NOTE (1)	!! -			
SERVICE DESCRIPTION:	SERVING 3HV-B223B				3.11-1					
FUNCTION:	A.M	CHEMICAL SPRAY	!! N/R	!! -						
ACCURACY SPECIFIED:	N/A	RADIATION	!! 64,000 RADS	!! 200 M RADS	RADIATION MAPS	!! REF(1) P 4-4	!! TYPE TEST		!! EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.:	N/A				ZONE -FF DWG G-145	!! SEC 4.6				
LOCATION:	AUX BUILDING	AGING	!! 140 YRS + 1 YR	!! 268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC 3.11.1	!! REF(1) APP.A P 9-3 & 4	!! TYPE TEST			
ELEVATION:	-4.0 FT.									
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	!! N/R	!! -						
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	L-6A	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE (IF REQUIRED) ! ANALYSIS M-1								! REVISION NO.-01
ENVIRON'T IS HARSH		! OTHER EQUIPMENT THIS QDEF APPLIES TO:								! PREPARER: BM 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		! REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV.A JULY 1979								! DATE
QUALIF STATUS: QUALIFIED										! CHECKER : SKS 07/30/82
										! DATE
										! SYSTEM: CONTROLLED
										! AREA VENTIL'N
										! QDEF SHEET NO.-1021

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF (1) P4-18	TYPE TEST+ ENG EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 3HV-B224A	TEMPERATURE	145 DEGF	1248 DEGF	HVAC TEMP MAP DWG NO: G-136	REF (1) P4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF (1)P4-17	
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 170-32302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: SERVING 3HV-B224A	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: A.M.									
ACCURACY SPECIFIED: N/A	RADIATION	10,000 RADS	204 M RADS	RADIATION MAPS ZONE -A DWG G-136	REF (1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A									
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	AGING	140 YRS + 1 YR	1400 HRS AT 120C EQUIV TO 20 YRS AT 104F	FSAR SEC 3.11.1	REF (1) P 4-27 (FIG 14) P 10-62	TYPE TEST			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R	-	-	-	-			
COORDINATES: L-6A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-3								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO.QTR 107 REV.0								PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
									SYSTEM:CONTROLLED AREA VENTIL'N
									QDEF SHEET NO.-1022

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENVIR	FSAR TABLE	REF(1) P 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID				3.11-2	SEC 3.2.7	ENG EVAL			
PLANT NUMBER: 3HV-B224A	TEMPERATURE	145 DEGF	346 DEGF PEAK	HVAC TEMP MAPS	REF(1) P 4-4	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1) APP.I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1)PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: NP 831664V	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
SERVICE DESCRIPTION: SERVING 3HV-B224A	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	10,000 RADS	200 M RADS	RADIATION MAPS	REF(1) P 4-4	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	40 YRS + 1 YR	268F FOR 12 DAYS EQ	FSAR SEC	REF(1) APP.A	TYPE TEST			
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	ACCIDENT		TO 4.4 YRS AT 140F	3.11.1	P 9-3 & 4				
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: L-6A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-1								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER: SKS 07/30/82 DATE
	REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV.A JULY 1979								SYSTEM: CONTROLLED AREA VENTIL'N
									QDEF SHEET NO. -1023

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF (1) P 4-18	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 3HV-B225B	TEMPERATURE	150 DEGF	248 DEGF	HVAC TEMP MAPS DWG NO: G-137	REF (1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA170-32302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SERVING 3HV-B225B								
FUNCTION: A.M.	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	10,000 RADS	204 M RADS	RADIATION MAPS ZONE -A DWG G-137	REF (1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	40 YRS + 1 YR	400 HRS AT 120C EQUIV TO 20 YRS AT 104F	FSAR SEC 3.11.1	REF (1) P 4-27 (FIG.14) P. 10-62	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-9A	!INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE (IF REQUIRED) ! OTHER EQUIPMENT THIS QDEF APPLIES TO: !							! REVISION NO.-01 !
ENVIRON'T IS HARSH	! ANALYSIS M-3 O !							! PREPARER:BM 07/30/82 !
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	! T !							! DATE !
QUALIF STATUS: QUALIFIED	! P !							! CHECKER :SKS 07/30/82 !
	! H !							! DATE !
	! C !							! SYSTEM:CONTROLLED !
	! R !							! AREA VENTIL'N !
	! A !							! QDEF SHEET NO.-1024 !
	! S !							
	REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPORT NO QTR 107 REV.0							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	!! 120 DAYS	!! 30 DAYS IN LOCA ENVIR	FSAR TABLE 3.11-2	REF (1) P 3-2	TYPE TEST+ ENG EVAL	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID					SEC 3.2.7				
PLANT NUMBER: 3HV-B225B	TEMPERATURE	!! 150 DEGF	!! 346 DEGF PEAK	HVAC TEMP MAPS DWG NO: G-137	REF (1) P 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS REPLACEMENT REF(1)APP.I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	!! ATM	!! SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		!!(1)PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: NP 831664V	RELATIVE HUMIDITY	!! 50%	!! SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: SERVING 3HV-B225B	CHEMICAL SPRAY	!! N/R	!! -	-	-	-			
FUNCTION: A.M.									
ACCURACY SPECIFIED: N/A	RADIATION	!! 10,000 RADS	!! 200 M RADS	RADIATION MAPS ZONE -A DWG G-137	REF (1) P 4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	!! 40 YRS + 1 YR	!! 268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC 3.11.1	REF (1) APP.A P 9-3 & 4	TYPE TEST			
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	SUBMERGENCE	!! N/R	!! -	-	-	-			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-9A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-1							REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1)ASCO TEST REPORT # AQS 21678/TR REV.A JULY 1979							PREPARER: BM 07/30/82 DATE	
QUALIF STATUS: QUALIFIED								CHECKER :SKS 07/30/82 DATE	
								SYSTEM: CONTROLLED AREA VENTIL'N	
								QDEF SHEET NO.-1025	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF (1) P 4-18	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 3HV-B226A	TEMPERATURE	150 DEGF	248 DEGF	HVAC TEMP MAPS DWG NO: G-137	REF (1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 170-32302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: SERVING 3HV-B226A									
FUNCTION: A.M. SPRAY	CHEMICAL	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	10,000 RADS	204 M RADS	RADIATION MAPS ZONE -A DWG G-137	REF (1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A									
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	AGING	140 YRS + 1 YR	400 HRS AT 120C EQUIV TO 20 YRS AT 104F	FSAR SEC 3.11.1	REF (1) P 4-27 (FIG. 14) P10-62	TYPE TEST			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R	-	-	-	-			
COORDINATES: J-8A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-3								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER: SKS 07/30/82 DATE
	REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPORT NO. QTR 107 REV O.								SYSTEM: CONTROLLED AREA VENTIL'N QDEF SHEET NO.-1026

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	30 DAYS IN LCCA ENV	FSAR TABLE 3.11-2	REF (1) P 3-2	TYPE TEST+ ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID					SEC 3.2.7			
PLANT NUMBER: 3HV-B226A	TEMPERATURE	150 DEGF	346 DEGF PEAK	HVAC TEMP MAPS DWG NO: G-137	REF (1) P 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS REPLACEMENT REF(1)APP. I SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: NP831664V	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SERVING 3HV-B226A	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: A.M.								
ACCURACY SPECIFIED: N/A	RADIATION	10,000 RADS	200 M RADS	RADIATION MAPS ZONE -A DWG G-137	REF (1) P 4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING ELEVATION: -35 FT.	AGING	140 YRS + 1 YR	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC 3.11.1	REF (1) APP A P 9-3 & 4	TYPE TEST		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-8A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-1	O!	T!	REFERENCES: (1)ASCO TEST REPORT # AQS 21678/TR REV A JULY 1979				PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	QUALIF STATUS: QUALIFIED	P!	H!					CHECKER :SKS 07/30/82 DATE
		C!	R!					SYSTEM:CONTROLLED AREA VENTIL'N
		A!	S!					QDEF SHEET NO.-1027

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION			QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF (1) P 4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH						ENG EVAL			
PLANT NUMBER: 3HV-B227B	TEMPERATURE	150 DEGF	248 DEGF	HVAC TEMP MAPS DWG NO: G-137	REF(1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIF-ICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA170-32302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: SERVING 3HV-B227B	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	10,000 RADS	204 M RADS	RADIATION MAPS ZONE -A DWG G-137	REF (1) P 10-64	TYPE TEST		IF ASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A	AGING	40 YRS + 1 YR	400 HRS AT 120C EQUIV TO 20 YRS AT 104F	FSAR SEC 3.11.1	REF (1) P 4-27 (FIG. 14) P 10-62	TYPE TEST			
LOCATION: AUX BUILDING ELEVATION: -35 FT.	SUBMERGENCE	N/R	-	-	-	-			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	INDEX FOR INCONSISTENCY!								
COORDINATES: J-9A	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01	
ENVIRON'T IS HARSH	ANALYSIS M-3			REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPORT NO: QTR 107 REV 0				PREPARER: BM 07/30/82 DATE	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : SKS 07/30/82 DATE	
QUALIF STATUS: QUALIFIED								SYSTEM: CONTROLLED AREA VENTIL'N	
								QDEF SHEET NO. -1028	

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 3-2 SEC 3.2.7	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID								
PLANT NUMBER: 3HV-B227B	TEMPERATURE	150 F	346 F PEAK	HVAC TEMP MAPS DWG NO: G-137	REF (1) P 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1) APP I SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: NP831664V	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SERVING 3HV-B227B	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	10,000 RADS	200 M RADS	RADIATION MAPS ZONE: A DWG: G-137	REF (1) P 4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A	AGING	140 YRS + 1 YR	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140 F	FSAR SEC 3.11.1	REF (1) APP A P 9-3&4	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	ACCIDENT							
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-9A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH	ANALYSIS M-1			REFERENCES: (1) ASCO TEST REPORT # AQS21678/TR REV A JULY 1979				PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								SYSTEM: CONTROLLED AREA VENTIL'N
								QDEF SHEET NO. -1029

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	CONT. ATMOS. RELEASE(CARS)	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENV	FSAR TABLE	REF(1) P 14	TYPE TEST +		QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT:	MOTOR OPERATOR				3.11-2	FIG 6 AND REF(2)	ENG. EVAL.		
PLANT NUMBER:	2HV-F254B	TEMPERATURE	269DEGF PEAK	315DEGF PEAK	LOCA PROFILE	REF(1) P 14	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: APP.A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER:	LIMITORQUE	PRESSURE	144 PSIG PEAK	70 PSIG PEAK	LOCA PROFILE	REF(1) P 10 FIG 5	TYPE TEST		
MODEL AND SERIAL NUMBER:	SMB-000-2/HOBC	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	REF(1) P 18	TYPE TEST		
SERVICE DESCRIPTION:	SERVING 2HV-F254B				3.11-1	SEC 4.4.3			
FUNCTION:	A.M	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON 1750 TO 2150PPM	PH 10.5 TO 11.1 BORON 3000 PPM	FSAR TABLE 3.11-1	REF(1) P 17	TYPE TEST		
ACCURACY SPECIFIED:	N/A	RADIATION	33 M RADS	204 M RADS	RADIATION MAPS	REF(1) P 37	TYPE TEST		EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.:	N/A				ZONE -CC DWG G-143				
LOCATION:	CONT BUILDING	AGING	140 YRS + 1 YR	180DEG C FOR 100HRS	FSAR SEC	REF(1) P 31	TYPE TEST +		
ELEVATION:	+46.0 FT.	ACCIDENT			3.11.1	AND REF(2)	ENG. EVAL.		
FLOOD LEVEL EL:	+5 FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL:	YES								
COORDINATES:	AZ+185DEG.	INDEX FOR INCONSISTENCY!							
ENVIRONMENT IS HARSH		ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:NO									REVISION NO.-01
QUALIF STATUS: QUALIFIED									PREPARER:BM 07/30/82 DATE
									CHECKER :SKS 07/30/82 DATE
									REFERENCES: (1)LIMITORQUE CORP. REPORT PROJECT # 600456 APPENDIX C TO REPORT #BO058 (2)LIMITORQUE CORP.REPORT BO058 PARAGRAPH 3.2.1.2
									SYSTEM:CONT. ATMOS. RELEASE(CARS)
									QDEF SHEET NO.-1031

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: FEEDWATER	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE 3.11-2	REF (1) P.10 FIG 1 AND REF(2)	TYPE TEST + ENG. EVAL.		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: MOTOR OPERATOR								
PLANT NUMBER: 3FW-V607A	TEMPERATURE	145 DEGF	250 DEGF PEAK	HVAC TEMP MAPS DWG NO: G-136	REF. (1) P.10 FIG. 1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESS AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: SMB-00-5	RELATIVE HUMIDITY	20-90 %	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: MO VLV TO BLOWDOWN FILTER								
FUNCTION: A.M.	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	10.000 RADS	20 M RADS	RADIATION MAPS ZONE -A DWG G-136	REF. (1) P.8 SEC. 4.3	TYPE TEST		EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A	AGING	140 YRS + 1 YEAR	165 F FOR 199.8 HRS	FSAR SEC 3.11.1	REF. (1) P. 7 SEC 4.1.4 AND REF(2)	TYPE TEST + ENG. EVAL.		
LOCATION: AUX BUILDING ELEVATION: -4.0. FT.	ACCIDENT							
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: L-6A	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ! OTHER EQUIPMENT THIS QDEF APPLIES TO: !							! REVISION NO.-01 !
ENVIRON'T IS HARSH								! PREPARER:BM 07/30/82 ! DATE !
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								! CHECKER :SKS 07/30/82 ! DATE !
QUALIF STATUS: QUALIFIED								! SYSTEM:FEEDWATER ! QDEF SHEET NO.-1032 !
				REFERENCES:	(1) LIMITORQUE CORP REPORT # BO003 : APPENDIX D TO REPORT # BO058 (2)LIMITORQUE CORP.REPORT BO058 PARAGRAPH 3.2.1.3			

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: FEEDWATER	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE	REF (1) P.10	TYPE TEST & EVAL.		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: MOTOR OPERATOR				3.11-2	FIG 1 AND REF(2)			
PLANT NUMBER: 3FW-V610 B	TEMPERATURE	145 DEGF	250 DEGF PEAK	HVAC TEMP MAPS	REF (1) P.10	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1) PRESS AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: SMB-00-5	RELATIVE HUMIDITY	20-90 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
SERVICE DESCRIPTION: MD VLV TO BLOWDOWN FILTER				3.11-1				
FUNCTION: A.M.	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	10,000 RADS	20 M RADS	RADIATION MAPS	REF.(1) P.8	TYPE TEST		EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A				ZONE -A DWG G-136	SEC. 4.3			
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	AGING	140 YRS + 11 YR ACC.	165F FOR 199.8 HRS	FSAR SEC 3.11.1	REF.(1) P.7 SEC.4.1.4	TYPE TEST & ENG. EVAL.		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R	-	-	-	-		
COORDINATES: L-6A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1) LIMITORQUE CORP. REPORT # BO003 : APPENDIX D TO REPORT # BO058 (2) LIMITORQUE CORP. REPORT BO058 PARAGRAPH 3.2.1.3							PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED								CHECKER :SKS 07/30/82 DATE
								SYSTEM: FEEDWATER
								QDEF SHEET NO. -1033

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: FEEDWATER	OPERATING TIME	120 DAYS	NONE	FSAR TABLE	NONE	ENG. EVAL.	YES	QUALIFIED LIFE IS: 40+ YEARS	
COMPONENT: MOTOR				3.11-2					
PLANT NUMBER: EMERGENCY SGFW PUMP A	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: GENERAL ELECTRIC	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			(1)TEMP, PRESS AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: 5K811045C25	RELATIVE HUMIDITY	120-90 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)				
SERVICE DESCRIPTION: EMERG. PUMP A DRIVE	CHEMICAL SPRAY	N/R	-	3.11-1					
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	800,000 RADS	1.0 M RADS	RADIATION MAPS	REF (1) P 6	TYPE TEST		EBASCO FILE NO: EQ-ME-9	
ACCURACY DEMONS.: N/A	AGING	N/R	-	ZONE -C DWG G-137	PARA. 2				
LOCATION: AUX BUILDING									
ELEVATION: -35.0 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-						
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-6A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO: EMERGENCY SGFW PUMP B								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	ANALYSIS M-9							PREPARER:BM 07/30/82 DATE	
QUALIF STATUS: QUALIFIED				REFERENCES:	(1)TOPICAL REPORT IEEE 323 CLASS 1E INDUCTION MOTOR MODEL 5K811045C25 HORIZONTAL CLASS B INSULATED.			CHECKER :SKS 07/30/82 DATE	
								SYSTEM:FEEDWATER	
								QDEF SHEET NO.-1034	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: FEEDWATER	OPERATING TIME	!!120 DAYS	!SEE NOTE !(2)	FSAR TABLE	SEE NOTE (2)	-		QUALIFIED LIFE IS:	
COMPONENT: TURBINE TRIP & THROTTLE VALVE		!!	!	3.11-2	!	!	!		
PLANT NUMBER: EMERG SGFW PUMP A/B TURBINE	TEMPERATURE	!!150 DEGF	!SEE NOTE !(2)	HVAC TEMP MAPS	SEE NOTE (2)	-		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: TERRY STEAM TURBINE CORP.	PRESSURE	!!0 PSIG	!SEE NOTE !(1)	FSAR TABLE	SEE NOTE (1)	-		!(1)PRESS AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT	
MODEL AND SERIAL NUMBER: TURBINE MODEL GS-2	RELATIVE HUMIDITY	!!20-90 %	!SEE NOTE !(1)	FSAR TABLE	SEE NOTE (1)	-		PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION: EMERG SGFW PUMP A/B TURB.		!!	!	3.11-1	!	!	!	!(2)QUALIFICATION WILL BE ESTABLISHED AFTER THE REVIEW OF THE ONGOING QUALIFICATION ASSESSMENT, BEFORE FUEL LOADING.	
FUNCTION: AM	CHEMICAL SPRAY	!!N/R	!-	-	-	-		EBASCO FILE NO: EQ-ME-13	
ACCURACY SPECIFIED: N/A	RADIATION	!! 10,000 RADS	!SEE NOTE !(2)	RADIATION MAPS	SEE NOTE (2)	-			
ACCURACY DEMONS.: N/A		!!	!	ZONE -A	!	!	!		
	AGING	!!40 YRS + 1 YR ACC.	!NONE !SEE NOTE !(2)	FSAR SEC	NONE SEE NOTE (2)	-			
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.		!!	!	3.11.1	!	!	!		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	!!N/R	!-	-	-	-			
ABOVE FLOOD LEVEL: N/A		!!	!	!	!	!	!		
COORDINATES: L-4A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO. -01
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: PENDING TO ONGOING QUALIFICATION ASSESSMENT BY VENDOR									SYSTEM: FEEDWATER
									QDEF SHEET NO. -1035

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: FEEDWATER	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE	REF (1) P 10	TYPE TEST +		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: MOTOR OPERATOR				3.11-2	FIG. 1 AND REF(2)	ENG EVAL		
PLANT NUMBER: TRIP&THROTTLE VA-EFWP TURBINE	TEMPERATURE	150 DEGF	1250 DEGF PEAK	HVAC TEMP MAPS	REF (1) P 10	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1) PRESS AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT
MODEL AND SERIAL NUMBER: SMB-000	RELATIVE HUMIDITY	20-90 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: EMER FD WTR PMP A/B TURBINE				3.11-1				
FUNCTION: A.M	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	10,000 RADS	20 MRADS	RADIATION MAPS	REF (1) P 8	TYPE TEST		EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A				ZONE -A DWG G-137	SEC. 4.3			
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	AGING	140 YRS + 1 YR ACC.	165 F FOR 199.8 HRS	FSAR SEC	REF (1) P 7	TYPE TEST +		
				3.11.1	SEC.4.1.4 AND REF(2)	ENG EVAL.		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: L-4A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE! OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
ENVIRON'T IS HARSH	(IF REQUIRED)							
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	O! T! P! H! C! R! A! S!							PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED	REFERENCES: (1) LIMITORQUE CORP. REPORT # BO003 : APPENDIX D TO REPORT # BO058 (2)LIMITORQUE CORP.REPORT BO058 PARAGRAPH 3.2.1.3							CHECKER :SKS 07/30/82 DATE
								SYSTEM:FEEDWATER
								QDEF SHEET NO. -1036

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	SAFETY INJECTION	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 3-2 SEC 3.2.7	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT:	SOLENOID									
PLANT NUMBER:	2SI-L103A	TEMPERATURE	104 F	SEE NOTE (1)	HVAC TEMP MAP DWG: G-137	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC.3.2.3.13	
MANUFACTURER:	ASCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) TEMPERATURE, PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER:	NP 8344B46E	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION:	RWSP ISO. VALVE HPSI									
FUNCTION:	A.M.	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED:	N/A	RADIATION	4.2 M RADS	200 M RADS	RAD MAPS ZONE: U DWG NO: G-137	REF (1) P 4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.:	N/A	AGING	N/R	-	-	-	-			
LOCATION:	AUX BUILDING									
ELEVATION:	-35 FT.									
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	J-8A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE! OTHER EQUIPMENT THIS QDEF APPLIES TO: (IF REQUIRED)!								
ENVIRON'T IS HARSH		ANALYSIS M-1	O!	2SI-L104B					REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION:NO			T!						PREPARER:BM 07/30/82 DATE	
QUALIF STATUS: QUALIFIED			P!		REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV.A JULY 1979				CHECKER :SKS 07/30/82 DATE	
			H!						SYSTEM:SAFETY INJECTION	
			C!						QDEF SHEET NO.-1038	
			R!							
			A!							
			S!							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: FIRE PROTECT. (WATER & GAS)	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENVIRON	FSAR TABLE 3.11-2	REF. (1) P 10-14 FIG.3	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 20 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 2FP-F127	TEMPERATURE	148 DEGF	346 DEGF PEAK	HVAC TEMP MAP DWG G-145	REF. (1) P. 10-5814 FIG.3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3	
MANUFACTURER: NAMCO	PRESSURE	0 PSIG PEAK	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE & RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA180-21302	RELATIVE HUMIDITY	20% - 90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: FIRE WATER CONT ISO. VALVE	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	204 MRADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
ACCURACY DEMONS.: N/A	AGING	140 YEARS PLUS 1 YEAR ACCIDENT	400 HRS AT 248F EQUIV TO 20 YRS AT 104F	FSAR SEC. 3.11.1	REF (1) P 10-6 (FIG 8) P 4-12	TYPE TEST			
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	SUBMERGENCE	N/R	-	-	-	-			
FLOOD LEVEL EL: N/A FEET									
ABOVE FLOOD LEVEL: N/A									
COORDINATES: N-4A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-2								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES. REPORT NO. QTR 105 REV 1.								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
									SYSTEM: FIRE PROTECT. (WATER & GAS)
									QDEF SHEET NO. -1039

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: FIRE PROTECT. (WATER & GAS)	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENVI- RONMENT	FSAR TABLE 3.11-2	REF(1) P.3-2 SEC.3.2.7.	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID								
PLANT NUMBER: 2FP-F127	TEMPERATURE	148 DEGF	346DEGF PEAK	HVAC TEM- PERATURE MAP DWG G-145	REF(1) P.4-4 SEC.4.7	TYPE TFST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1) APP.I SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE & REL- ATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: HV2068323F	RELATIVE HUMIDITY	20% - 90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: FIRE WATER CONT ISD. VALVE	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	200M RADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) P.4-4 SEC.4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	268F FOR 12 DAYS EQ TO 4.4YRS AT 140F	FSAR SEC 3.11.1	REF(1) APP A P 9-384	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	SUBMER- GENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET								
ABOVE FLOOD LEVEL: N/A								
COORDINATES: N-4A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:			REVISION NO.-01	
ENVIRON'T IS HARSH	ANALYSIS M-1	O!	T!	P!	H!	C!	R!	PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	QUALIF STATUS: QUALIFIED				REFERENCES: (1) ASCO TEST REPORT #AQS21678 /TR REV A-JULY 1979			CHECKER :SKS 07/30/82 DATE
								SYSTEM:FIRE PROTECT. (WATER & GAS) QDEF SHEET NO.-1040

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: FIRE PROTECT. (WATER & GAS)	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENVIRON	FSAR TABLE 3.11-2	REF.(1) P.10-14 FIG.3	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 20 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 2FP-F129	TEMPERATURE	148 DEGF	1346 DEG F PEAK	HVAC TEMP. MAP DWG G-145	REF.(1) P.10-5&14 FIG.3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3	
MANUFACTURER: NAMCO	PRESSURE	0 PSIG PEAK	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		((1)PRESSURE & RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA110-21302	RELATIVE HUMIDITY	20% - 90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: FIRE WATER CONT ISO. VALVE	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	1204 MRADS	RADIATION MAPS ZONE -FF DWG G-145	REF.(1) P.10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS	1400 HRS AT 248F EQUIV TO 20 YRS. AT 104F	FSAR 3.11.1	REF.(1) P.10-6 (FIG.8) P.4-12	TYPE TEST			
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	SUBMERGENCE	N/R	-	-	-	-			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A									
COORDINATES: N-10A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-2								OTHER EQUIPMENT THIS QDEF APPLIES TO: REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								PREPARER:BM 07/30/82 DATE	
QUALIF STATUS: QUALIFIED								CHECKER :SKS 07/30/82 DATE	
					REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES. REPORT NO. QTR 105 REV 1.			SYSTEM:FIRE PROTECT. (WATER & GAS) QDEF SHEET NO.-1041	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: FIRE PROTECT. (WATER & GAS)	OPERATING TIME	!!120 DAYS	!30 DAYS IN! !LOCA ENV	FSAR TABLE !3.11-2	REF (1) !P 3-2	!TYPE !TEST +	!YES	!QUALIFIED !LIFE IS: !4 YEARS	
COMPONENT: SOLENOID		!!	!	!	!SEC 3.2.7.	!ENG. !EVAL.	!	!	
PLANT NUMBER: 2FP-F129	TEMPERATURE	!!148 DEGF	!346 DEGF !PEAK	!AC TEM- !PERATURE !MAP DWG	REF(1) !P.4-4 !SEC 4.7	!TYPE !TEST	!	!MAINTENANCE / !REPLACEMENT SCHD: !4 YRS COMPS. !REPLACEMENT !REF(1) APP.I !SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	!!0 PSIG	!SEE NOTE !(1)	!FSAR TABLE !3.11-1	!SEE NOTE !(1)	!-	!	!(1)PRESSURE & REL- !ATIVE HUMIDITY ARE !NOT CONSIDERED	
MODEL AND SERIAL NUMBER: HV 2068323F	RELATIVE HUMIDITY	!!20% - 30%	!SEE NOTE !(1)	!FSAR TABLE !3.11-1	!SEE NOTE !(1)	!-	!	!SIGNIFICANT !PARAMETERS FOR !EVALUATION	
SERVICE DESCRIPTION: FIRE WATER CONT ISO VLV	CHEMICAL SPRAY	!!N/R	!-	!-	!-	!-	!	!	
ACCURACY SPECIFIED: N/A	RADIATION	!!64,000 RADS	!200 M RADS	!RADIATION !MAPS !ZONE -FF !DWG G-145!	!REF (1) !P 4-4 !SEC.4.6	!TYPE !TEST	!	!EBASCO FILE NO: !EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	!!40 YEARS PLUS !!1 YEAR	!268F FOR !12 DAYS EQ! !TO 4.4 YRS!	!FSAR !SEC.3.11.1!	!REF (1) !APP. A !P 9-384	!TYPE !TEST	!	!	
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	SUBMERGENCE	!!N/R	!-	!-	!-	!-	!	!	
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A		!!	!	!	!	!	!	!	
COORDINATES: N-10A	!INDEX FOR INCONSISTENCY! !ANALYSIS IN WORKFILE (IF REQUIRED)							!	!
ENVIRON'T IS HARSH	!ANALYSIS M-1							!	!OTHER EQUIPMENT THIS QDEF APPLIES TO: !REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	!REFERENCES: (1) ASCO TEST REPORT #AQS21678 /TR REV A-JULY 1979							!	!PREPARER:BM 07/30/82 !DATE
QUALIF STATUS: QUALIFIED								!	!CHECKER :SKS 07/30/82 !DATE
								!	!SYSTEM:FIRE PROTECT. !(WATER & GAS)
								!	!QDEF SHEET NO.-1042

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF (1) P. 4-18	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH				3.11-2				
PLANT NUMBER: 2CC-F158 A1	TEMPERATURE	148 DEGF	248 DEGF	HVAC TEMP MAP DWG G-145	REF (1) P. 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE & REL- ATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 170-41302	RELATIVE HUMIDITY	20% - 90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: FAN COOLERS CCW ISO VLV SOL OPR								
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	204 M RADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) P. 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	400HRS AT 120C EQV. TO 20 YRS AT 104DEGF	FSAR SEC 3.11.1	REF (1) P4-27 (FIG.14) P.10-62	TYPE TEST		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: M-4A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-3							PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED	REFERENCES: (1)NAMCO QUALIFICATION OF EA 170-XX302 REPORT NO QTR 107 REV.0							CHECKER :SKS 07/30/82 DATE
								SYSTEM:COMPONENT COOLING WATER QDEF SHEET NO.-1043

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: COMPONENT	COOLING WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE	REF (1)	TYPE TEST+ ENG EVAL	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID					3.11-2	SEC 3.2.7.			
PLANT NUMBER:	2CC-F15B A1	TEMPERATURE	148 DEGF	346DEGF PEAK	HVAC TEMP	REF (1)	TYPE TEST	MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1) APP.I SEC 3.2.3.13	
MANUFACTURER:	ASCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)		(1)PRESSURE & RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER:	NP 831655E	RELATIVE HUMIDITY	20% - 90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			
SERVICE DESCRIPTION:	FAN COOLERS CCW ISO VLV SOL OPR				3.11-1				
FUNCTION:	AM	CHEMICAL SPRAY	N/R						
ACCURACY SPECIFIED:	N/A	RADIATION	64,000 RADS	200 M RADS	RADIATION MAPS	REF (1) P 4-4 SEC 4.6	TYPE TEST	EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.:	N/A								
LOCATION: ELEVATION:	AUX BUILDING -4.0 FT.	AGING	40 YEARS PLUS ACCIDENT	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC 3.11.1	REF (1) APP.A P9-3&4	TYPE TEST		
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL:	N/A								
COORDINATES: M-4A		INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH		ANALYSIS M-1							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									REVISION NO.-01
QUALIF STATUS: QUALIFIED									PREPARER: BM 07/30/82 DATE
									CHECKER : SKS 07/30/82 DATE
									REFERENCES: (1)ASCO TEST REPORT #AQS21678 /TR REV A JULY 1979
									SYSTEM: COMPONENT COOLING WATER
									QDEF SHEET NO.-1044

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: COMPONENT								
COOLING WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF (1) P. 4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH						ENG. EVAL.		
PLANT NUMBER: 2CC-F159A2	TEMPERATURE	148 DEGF	248 DEGF	HVAC TEMP MAP DWG G-145	REF (1) P. 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		((1))PRESSURE & RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 170-42302	RELATIVE HUMIDITY	20% - 90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: FAN COOLERS CCW ISO VLV SOL DPR	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	204M RADS	RADIATION MAPS ZONE -PF DWG G-145	REF (1) P. 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	140 YEARS PLUS 1 YEAR	400 HRS AT 120C EQUIV TO 20 YRS AT 104F	FSAR SEC 3.11.1	REF (1) P.4-27 (FIG 14) P.10-62	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A								
COORDINATES: M-10A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-3							
ENVIRONMENT IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO.QTR 107 REV O							PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED								CHECKER :SKS 07/30/82 DATE
								SYSTEM:COMPONENT COOLING WATER
								QDEF SHEET NO.-1045

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	1400 HOURS	FSAR TABLE 3.11-2	REF (1) P. 4-18	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 2CC-F159A2	TEMPERATURE	148 DEGF	148 DEGF	HVAC TEMP MAP DWG G-145	REF (1) P. 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE & REL- ATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 170-41302	RELATIVE HUMIDITY	20% - 90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: FAN COOLERS CCW ISO VLV SOL OPR									
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	204M RADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) P. 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A									
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	AGING	140 YEARS PLUS 1 YEAR ACCIDENT	1400 HRS AT 120 C EQV 120 YRS AT 104 DEGF	FSAR SEC 3.11.1	REF (1) P. 4-27 (FIG 14) P.10-62	TYPE TEST			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: M-10A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-3								OTHER EQUIPMENT THIS QDEF APPLIES TO: REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO. QTR 107 REV 0
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								REVISION NO. -01	
QUALIF STATUS: QUALIFIED								PREPARER: BM 07/30/82 DATE CHECKER: SKS 07/30/82 DATE	
								SYSTEM: COMPONENT COOLING WATER QDEF SHEET NO. -1046	

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
SYSTEM:	COMPONENT	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
	COOLING WATER	OPERATING TIME	120 DAYS	30 DAYS IN-LOCA ENVIRONMENT	FSAR TABLE 3.11-2	REF (1) P 3-2 SEC.3.2.7	TYPE TEST+ ENG EVAL	YES	QUALIFIED LIFE IS: 4 YEARS
PLANT NUMBER:	2CC-F159A2	TEMPERATURE	148 DEGF	346 DEGF PEAK	HVAC TEMP MAP DWG G-145	REF(1) P4-4 SEC.4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: 4 YRS COMPS. REPLACEMENT REF(1) APP.I SEC 3.2.3.13
MANUFACTURER:	ASCO	PRESSURE	C PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE & RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER:	NP831655E	RELATIVE HUMIDITY	20% - 90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION:	FAN COOLERS CCW ISO VLV SOL OPR	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED:	N/A	RADIATION	64,000 RADS	200 M RADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) P.4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.:	N/A	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC 3.11.1	REF(1) APP A P 9-2&4	TYPE TEST		
LOCATION:	AUX BUILDING	SUBMERGENCE	N/R	-	-	-	-		
ELEVATION:	-4.0 FT.								
FLOOD LEVEL EL:	N/A FEET								
ABOVE FLOOD LEVEL:	N/A								
TESTS: M-10A		INDEX FOR INCONSISTENCY!			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRONMENT IS HARSH		ANALYSIS IN WORKFILE (IF REQUIRED)							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		ANALYSIS M-1							PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED					REFERENCES: (1)ASCO TEST REPORT # AQS 21678/TR REV A JULY 1979				CHECKER :SKS 07/30/82 DATE
									SYSTEM:COMPONENT COOLING WATER
									QDEF SHEET NO. -1047

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: COMPONENT	COOLING WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF (1) P. 4-18	TYPE TEST + ENG. EVAL.	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 2CC-F160B1		TEMPERATURE	148 DEGF	248 DEGF	HVAC TEMP MAP DWG G-145	REF (1) P. 4-18	TYPE TEST	MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO		PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-	((1)PRESSURE & RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 170-41302		RELATIVE HUMIDITY	20% - 90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: FAN COOLERS CCW ISO VLV SOL OPR									
FUNCTION: AM		CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A		RADIATION	64,000 RADS	204M RADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) P. 10-64	TYPE TEST	EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A		AGING	140 YEARS PLUS 1 YEAR	400 HRS AT 120C EQUIV TO 20 YRS	FSAR SEC 3.11.1	REF (1) P.4-27 (FIG 14)	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.			ACCIDENT	AT 104F		P.10-62			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A		SUBMERGENCE	N/R	-	-	-	-		
COORDINATES: N-4A		INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH		ANALYSIS M-3							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO. QTR 107 REV.0
QUALIF STATUS: QUALIFIED									REVISION NO.-01 PREPARER:BM 07/30/82 DATE CHECKER :SKS 07/30/82 DATE
									SYSTEM:COMPONENT COOLING WATER QDEF SHEET NO.-1048

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF (1) P.4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT:	LIMIT SWITCH				3.11-2		ENG EVAL			
PLANT NUMBER:	2CC-F160B1	TEMPERATURE	148 DEGF	248 DEGF	HVAC TEMP MAP DWG G-145	REF(1) P.4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER:	NAMCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		((1)PRESSURE & RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER:	EA 170-42302	RELATIVE HUMIDITY	20% - 90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION:	FAN COOLERS CCW ISO VLV SOL OPR									
FUNCTION:	AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED:	N/A	RADIATION	64,000 RADS	204 MRADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) P. 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.:	N/A									
LOCATION:	AUX BUILDING	AGING	40 YEARS PLUS 1 YEAR	400 HRS AT 120C EQUIV TO 20 YRS	FSAR TABLE SEC 3.11.1	REF(1) P.4-27 (FIG 14)	TYPE TEST			
ELEVATION:	-4.0 FT.		ACCIDENT	AT 104F		P.10-62				
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	N-4A	!INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE (IF REQUIRED) ! ANALYSIS M-3 O! ! T! ! P! ! H! ! C! ! R! ! A! ! S!							OTHER EQUIPMENT THIS QDEF APPLIES TO:	! REVISION NO.-01 ! PREPARER:BM 07/30/82 ! DATE ! CHECKER :SKS 07/30/82 ! DATE
ENVIRON'T IS HARSH										
EQUIPMENT EXEMPT FROM QUALIFICATION:NO										
QUALIF STATUS: QUALIFIED										
		REFERENCES: (1) NAMCO QUALIFICATION OF EA 170-XX302 REPORT NO. QTR 107 REV 0								! SYSTEM:COMPONENT ! COOLING WATER ! QDEF SHEET NO.-1049

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENVIRONMENT	FSAR TABLE 3.11-2	REF(1) P3-2 SEC 3.2.7	TYPE TEST+ ENG EVAL	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID									
PLANT NUMBER: 2CC-F160B1	TEMPERATURE	148 DEGF	346 DEGF PEAK	HVAC TEMP MAP DWG G-145	REF(1) P4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1) APP.I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE & RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: NP 831655E	RELATIVE HUMIDITY	20% - 90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: FAN COOLERS CCW ISO VLV SOL OPR	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	200M RADS	RADIATION MAPS ZONE -FF DWG G -145!	REF (1) P.4-4 SEC.4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	140 YEARS PLUS 1 YEAR ACCIDENT	268F FOR 12 DAYS EQ TO 4.4YRS AT 140 F	FSAR SEC 3.11.1	REF(1) APP.A P.9-3&4	TYPE TEST			
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	SUBMERGENCE	N/R	-	-	-	-			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A									
COORDINATES: N- 4A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-1								PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED									REFERENCES: (1)ASCO TEST REPORT # AQS 21678/TR REV A JULY 1979
									SYSTEM:COMPONENT COOLING WATER QDEF SHEET NO.-1050

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: COMPONENT	COOLING WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF (1)	TYPE	QUALIFIED	
COMPONENT: LIMIT SWITCH					3.11-2	P 4-18	TEST +	LIFE IS: 5 YEARS	
PLANT NUMBER: 2CC-F161B2		TEMPERATURE	148 DEGF	248 DEGF	HVAC TEMP	REF (1)	TYPE	MAINTENANCE / REPLACEMENT SCHD:	
		URE			MAP DWG	P 4-18	TEST	MAINTENANCE PROCEDURE	
					G-145			EA179-90051	
MANUFACTURER: NAMCO		PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-	REF (1) P. 4-17	
MODEL AND SERIAL NUMBER: EA 170-42302								((1)PRESSURE & RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION: FAN COOLERS CCW ISO VLV SOL OPR		RELATIVE HUMIDITY	20% - 90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
FUNCTION: AM		CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A									
		RADIATION	64,000 RADS	204 M RADS	RADIATION	REF (1)	TYPE	EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A					MAPS	P. 10-64	TEST		
					ZONE-FF				
					DWG G-145				
LOCATION: AUX BUILDING		AGING	140 YEARS PLUS 1 YEAR	400 HRS AT 120 C EQV TO 20 YRS	FSAR	REF (1)	TYPE		
ELEVATION: -4.0 FT.					SEC 3.11.1	P 4-27 (FIG 14)	TEST		
						P. 10-62			
FLOOD LEVEL EL: N/A FEET		SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A									
COORDINATES: N-10AZ		!INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH		! ANALYSIS IN WORKFILE (IF REQUIRED)							! REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		! ANALYSIS M-3							! PREPARER: BM 07/30/82
QUALIF STATUS: QUALIFIED									! DATE
									! CHECKER: SKS 07/30/82
									! DATE
									! SYSTEM: COMPONENT
									! COOLING WATER
									! QDEF SHEET NO. -1051

OTHER EQUIPMENT THIS QDEF APPLIES TO:

REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPORT NO QTR 107 REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV.	FSAR TABLE	REF (1) P 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID				3.11-2	SEC 3.2.7	ENG EVAL		
PLANT NUMBER: 2CC-F161B2	TEMPERATURE	148 F	346 F PEAK	HVAC TEMP MAP DWG: G-145	REF (1) P 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP. I SEC.3.2.3.13
MANUFACTURER: ASCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT
MODEL AND SERIAL NUMBER: NP 831655E	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: FAN COOLERS SOL OPR CCW ISO VLV	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: A.M.								
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	200 M RADS	RAD MAPS ZONE: FF DWG NO: G-145	REF (1) P 4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING ELEVATION: -4 FT.	AGING	40 YEARS + 1 YEAR ACCIDENT	268 F FOR 12 DYS EQ TO 4.4 YRS AT 140 F	FSAR SEC. 3.11.1	REF (1) APP. A P 9-3&4	TYPE TEST		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: N-10AZ	INDEX FOR INCONSISTENCY!							
ENVIRONMENT IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-1							
QUALIF STATUS: QUALIFIED								REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV.A JULY 1979
								REVISION NO. -01
								PREPARER: BM 07/30/82 DATE
								CHECKER: SKS 07/30/82 DATE
								SYSTEM: COMPONENT COOLING WATER
								QDEF SHEET NO. -1052

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	!! 120 DAYS	!! 1400 HOURS	FSAR TABLE 3.11-2	REF (1) P 4-18	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 3CC-TM169 A/B	TEMPERATURE	!! 145 DEGF	!! 248 DEGF	HVAC TEMP MAP DWG G-136	REF (1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	!! 0 PSIG	!! SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		!!(1)PRESSURE & RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 170-32302	RELATIVE HUMIDITY	!! 20% - 90%	!! SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: TCV ON CCW RET FROM LETDWN HX.	CHEMICAL SPRAY	!! N/R	!! -	-	-	-			
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	!! 10,000 RADS	!! 204 M RADS	RADIATION MAPS ZONE -A DWG G-136	REF (1) P.10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A	AGING	!! 140 YEARS PLUS	!! 120C EQIV TO 20 YRS	FSAR SEC 3.11.1	REF(1) P 4-27 (FIG.14)	TYPE TEST			
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	ACCIDENT	!! AT 104F	!! AT 104F		P 10-62				
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	!! N/R	!! -	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: K-3A	!INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	! ANALYSIS M-3								! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	! O! ! T! ! P! ! H! ! C! ! R! ! A! ! S!								! PREPARER:BM 07/30/82 ! DATE ! CHECKER :SKS 07/30/82 ! DATE
QUALIF STATUS: QUALIFIED	! REFERENCES: (1)NAMCO QUALIFICATION OF EA 170-XX 302 REPORT NO.QTR 107 REV 0								! SYSTEM:COMPONENT ! COOLING WATER ! QDEF SHEET NO.-1053

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. ATMOS. RELEASE(CARS)	OPERATING TIME	120 DAYS	1400 HOURS	FSAR TABLE	REF (1) P 4-18	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH				3.11-2				
PLANT NUMBER: 2HV-B192B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP.MAPS DWG NO: G-134	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			
MODEL AND SERIAL NUMBER: EA 170-42302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			(1)TEMPERATURE, PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: SERVING VALVE 2HV-B192B	CHEMICAL SPRAY	N/R	-					
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAPS ZONE -M DWG G-134	REF (1) P 10-64			EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	N/R	-					
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-					
ABOVE FLOOD LEVEL: N/A								
COORDINATES: L-7A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH	ANALYSIS M-3							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED								CHECKER :SKS 07/30/82 DATE
				REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO QTR 107 REV.0				SYSTEM:CONT. ATMOS. RELEASE(CARS)
								QDEF SHEET NO. -1054

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONI. ATMOS. RELEASE(CARS)	! OPERATING TIME	!! 120 DAYS	! 400 HOURS	! FSAR TABLE	! REF (1) P 4-18	! TYPE TEST +	! YES	! QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH	!	!!	!	! 3.11-2	!	! ENG. EVAL.	!	!
PLANT NUMBER: 2HV-B193A/B	! TEMPERATURE	!! 104 F	! SEE NOTE ((1))	! HVAC TEMP. MAP DWG G-134	! SEE NOTE ((1))	! -	!	! MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	! PRESSURE	!! ATM	! SEE NOTE ((1))	! FSAR TABLE	! SEE NOTE ((1))	! -	!	!
MODEL AND SERIAL NUMBER: EA 170-42302	!	!!	!	! 3.11-1	!	!	!	! ((1))TEMPERATURE, PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: SERVING 2HV-B193A/B	! RELATIVE HUMIDITY	!! 50 %	! SEE NOTE ((1))	! FSAR TABLE	! SEE NOTE ((1))	! -	!	!
FUNCTION: AM	! CHEMICAL SPRAY	!! N/R	! -	! -	! -	! -	!	!
ACCURACY SPECIFIED: N/A	! RADIATION	!! 2.5 M RADS	! 204 M RADS	! RADIATION MAPS ZONE -M DWG G-134	! REF (1) P 10-64	! TYPE TEST	!	! EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	!	!!	!	!	!	!	!	!
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.	! AGING	!! N/R	! -	! -	! -	! -	!	!
FLOOR LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	! SUBMERGENCE	!! N/R	! -	! -	! -	! -	!	!
COORDINATES: L-5A	! INDEX FOR INCONSISTENCY!			! OTHER EQUIPMENT THIS QDEF APPLIES TO:			!	!
ENVIRON'T IS HARSH	!	!	!	!	!	!	!	! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO QUALIF STATUS: QUALIFIED	!	!	!	!	!	!	!	! PREPARER:BM 07/30/82 DATE CHECKER :SKS 07/30/82 DATE
	!	!	!	!	!	!	!	! REFERENCES: ((1))NAMCO QUALIFICATION OF EA170-XX302 REPORT NO.QTR 107 REV.O
	!	!	!	!	!	!	!	! SYSTEM:CONT. ATMOS. RELEASE(CARS) QDEF SHEET NO.-1055

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENVIRONMENT	FSAR TABLE 3.11-2	REF (1) P 10-14 FIG.3	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE IS: 20 YEARS
PLANT NUMBER: 3CC-F240 A	TEMPERATURE	150 DEG F	346 DEG F PEAK	HVAC TEMP MAP DWG G-137	REF (1) P 10-58&14 FIG.3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3
MANUFACTURER: NAMCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 180-11302	RELATIVE HUMIDITY	20-90 %	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: CCW MK-UP PUMP A DISCH ISOL VA	CHEMICAL SP-RAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	10,000 RADS	204 M RADS	RADIATION MAPS ZONE -A DWG G-137	REF (1) P.10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	400 HRS AT 248F EQUIV TO 20 YRS AT 104F	FSAR SEC 3.11.1	REF(1) P. 10-6 (FIG.8) P 4-12	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	INDEX FOR INCONSISTENCY!							
COORDINATES: K-4A	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-2			REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO.QTR 105 REV 1.				PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								SYSTEM:COMPONENT COOLING WATER
								QDEF SHEET NO.-1056

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENVI- RONMENT	FSAR TABLE 3.11-2	REF (1) P 10-14 FIG.3	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 20 YEARS	
PLANT NUMBER: 3CC-F240 A	TEMPERATURE	150 DEGF	346 DEGF PEAK	HVAC TEMP MAP DWG G-137	REF (1) P 10-5814 FIG.3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF (1)P.4-3	
MANUFACTURER: NAMCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 180-12302	RELATIVE HUMIDITY	20-90 %	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: CCW MK-UP PUMP A DISCH ISOL VA	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: AM	RADIATION	10.000 RADS	204 M RADS	RADIATION MAPS ZONE -A DWG G-137	REF (1) P.10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
ACCURACY SPECIFIED: N/A	AGING	140 YEARS PLUS 1 YEAR ACCIDENT	400 HRS AT 248F EQIV TO 20 YRS AT 104F	FSAR SEC 3.11.1	REF(1) P 10-6 (FIG.8) P 4-12	TYPE TEST			
ACCURACY DEMONS.: N/A	SUBMERGENCE	N/R	-	-	-	-			
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-2								
FLOOD LEVEL EL: N/A FEET	COORDINATES: K-4A								REVISION NO. -01
ABOVE FLOOD LEVEL: N/A	ENVIRON'T IS HARSH								PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	EQUIPMENT THIS QDEF APPLIES TO:								CHECKER : SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED	REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO QTR 105 REV 1.								SYSTEM: COMPONENT COOLING WATER QDEF SHEET NO. -1057

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES		
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	COMPONENT COOLING WATER	OPERATING TIME	!! 120 DAYS	!! 130 DAYS IN LOCA ENVIRONMENT	FSAR TABLE	REF (1) P 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT:	SOLENOID				3.11-2	SEC 3.2.7	ENG. EVAL.			
PLANT NUMBER:	3CC-F240 A	TEMPERATURE	!! 150 DEGF	!! 1346 DEGF PEAK	HVAC TEMP MAP	REF (1) P.4-4 SEC.4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1) APP.1 SEC 3.2.3.13	
MANUFACTURER:	ASCO	PRESSURE	!! 0 PSIG	!! SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		!! (1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT	
MODEL AND SERIAL NUMBER:	NP 8320A187E	RELATIVE HUMIDITY	!! 20-90 %	!! SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		!! PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION:	CCW MK-UP PUMP A DISCH ISO VLV	CHEMICAL SPRAY	!! N/R	!! -	-	-	-			
FUNCTION:	AM									
ACCURACY SPECIFIED:	N/A	RADIATION	!! 10,000 RADS	!! 200 M RADS	RADIATION MAPS	REF (1) P.4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.:	N/A									
LOCATION:	AUX BUILDING	AGING	!! 140 YEARS PLUS 1 YEAR	!! 268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR	REF(1) APP. A P 9-384	TYPE TEST			
ELEVATION:	-35.0 FT.									
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	!! N/R	!! -	-	-	-			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	K-4A	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		! ANALYSIS M-1								! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO										! PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED										! CHECKER : SKS 07/30/82 DATE
		REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV A-JULY 1979								! SYSTEM: COMPONENT COOLING WATER
										! QDEF SHEET NO.-1058

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY		
								ANALYZED		
SYSTEM:	COMPONENT	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENVIRONMENT	FSAR TABLE	REF (1) P 10-14	TYPE TEST +	YES	QUALIFIED LIFE IS: 20 YEARS	
COMPONENT:	LIMIT SWITCH				3.11-2	FIG.3	ENG. EVAL.			
PLANT NUMBER:	3CC-F241 B	TEMPERATURE	150 DEGF	1346 DEGF PEAK	HVAC TEMP MAP DWG G-137	REF (1) P. 10-5&14 FIG.3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3	
MANUFACTURER:	NAMCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED	
MODEL AND SERIAL NUMBER:	EA 180-11302	RELATIVE HUMIDITY	20-90 %	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		SIGNIFICANT PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION:	CCW MK-UP PUMP B DISCH ISO VLV	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION:	AM									
ACCURACY SPECIFIED:	N/A	RADIATION	10,000 RADS	1204 M RADS	RADIATION MAPS ZONE -A DWG G-137	REF (1) P. 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
ACCURACY DEMONS.:	N/A									
LOCATION:	AUX BUILDING	AGING	40 YEARS PLUS 1 YEAR	400 HRS AT 1248F EQUIV TO 20 YRS AT 104F	FSAR SEC 3.11.1	REF(1) P 10-6 (FIG.8) P 4-12	TYPE TEST			
ELEVATION:	-35.0 FT.									
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	K-4A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRONMENT IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO	ANALYSIS M-2	O!	T!	P!	H!	C!	R!	A!	
QUALIF STATUS:	QUALIFIED								S!	
					REFERENCES:	(1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO QTR 105 REV 1.			PREPARER:BM 07/30/82 DATE CHECKER :SKS 07/30/82 DATE	
									SYSTEM:COMPONENT COOLING WATER QDEF SHEET NO.-1059	

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	COMPONENT	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENVIRONMENT	FSAR TABLE 3.11-2	REF(1) P 10-14 FIG.3	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 20 YEARS	
COMPONENT:	LIMIT SWITCH									
PLANT NUMBER:	3CC-F241 B	TEMPERATURE	150 DEG F	346 DEG F PEAK	HVAC TEMP MAP DWG G-137	REF(1) P 10-5&14 FIG.3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA189-90051 REF (1)P.4-3	
MANUFACTURER:	NAMCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER:	EA 180-12302	RELATIVE HUMIDITY	20-90 %	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION:	CCW MK-UP PUMP B DISCH ISO VLV									
FUNCTION:	AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED:	N/A	RADIATION	10,000 RADS	204 M RADS	RADIATION MAPS ZONE -A DWG G-137	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
ACCURACY DEMONS.:	N/A	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	400 HRS AT 248F EQUIV TO 20 YRS AT 104F	FSAR SEC 3.11.1	REF(1) P 10-6 (FIG.8) P 4-12	TYPE TEST			
LOCATION:	AUX BUILDING									
ELEVATION:	-35.0 FT.									
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	K-4A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-2								OTHER EQUIPMENT THIS QDEF APPLIES TO:
ENVIRON'T IS HARSH										REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO										PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED										CHECKER :SKS 07/30/82 DATE
										REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO.QTR 105 REV 1
										SYSTEM:COMPONENT COOLING WATER
										QDEF SHEET NO.-1060

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	COMPONENT	OPERATING TIME	!! 120 DAYS	!! 30 DAYS IN-LOCA ENVIRONMENT	FSAR TABLE	REF (1) P 3-2	TYPE TEST+ ENG EVAL	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT:	SOLENOID				3.11-2	SEC 3.2.7				
PLANT NUMBER:	3CC-F241B	TEMPERATURE	!! 150 F	!! 346 F PEAK	HVAC TEMP MAP	REF (1) P 4-4	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1) APP.I SEC 3.2.3.13	
MANUFACTURER:	ASCO	PRESSURE	!! 0 PSIG	!! SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
MODEL AND SERIAL NUMBER:	NP8320A187E	RELATIVE HUMIDITY	!! 20-90 %	!! SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		!! (1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION:	CCW MK-UP PUMP B DISCH ISO VLV				3.11-1					
FUNCTION:	AM	CHEMICAL SPRAY	!! N/R	!! -						
ACCURACY SPECIFIED:	N/A	RADIATION	!! 10,000 RADS	!! 200 M RADS	RADIATION MAPS	REF (1) P.4-4	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.:	N/A				ZONE -A	SEC 4.6				
LOCATION:	AUX BUILDING	AGING	!! 40 YEARS PLUS	!! 268F FOR 12 DAYS EQ TO 4.4YRS	FSAR SEC 3.11.1	REF(1) APP A	TYPE TEST			
ELEVATION:	-35.0 FT.		!! ACCIDENT	!! AT 140F		P 9-3 & 4				
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	!! N/R	!! -						
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	K-4A	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: ! (IF REQUIRED) !								! REVISION NO.-01
ENVIRON'T IS HARSH		! ANALYSIS M-1 O! ! T! ! P! ! H! ! C! ! R! ! A! ! S!								! PREPARER:BM 07/30/82 ! DATE ! CHECKER :SKS 07/30/82 ! DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV.A JULY 1979								! SYSTEM:COMPONENT ! COOLING WATER
QUALIF STATUS: QUALIFIED										! QDEF SHEET NO.-1061

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.					
SYSTEM: COMPONENT	COOLING WATER	OPERATING TIME	!! 120 DAYS	!NONE !SEE NOTE !(1)	FSAR TABLE	!NONE !SEE NOTE !(1)	-		QUALIFIED LIFE IS:
COMPONENT: LIMIT SWITCH									
PLANT NUMBER:	2CC-F243 A/B	TEMPERATURE	!! 269 F !! PEAK	!NONE !SEE NOTE !(1)	LOCA PROFILE	!NONE !SEE NOTE !(1)	-		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	NAMCO	PRESSURE	!! 44 PSIG !! PEAK	!NONE !SEE NOTE !(1)	LOCA PROFILE	!NONE !SEE NOTE !(1)	-		!(1)NO QUALIFICATION DOCUMENT AVAILABLE.
MODEL AND SERIAL NUMBER:	EA 170-41100	RELATIVE HUMIDITY	!! 100 %	!NONE !SEE NOTE !(1)	FSAR TABLE	!NONE !SEE NOTE !(1)	-		QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING
SERVICE DESCRIPTION:	CCW FROM RCP RET ISO VALVE	CHEMICAL SPRAY	!!PH 5.0 TO !!9.0 BORON !!1750 TO !!2150 PPM	!NONE !SEE NOTE !(1)	FSAR TABLE	!NONE !SEE NOTE !(1)	-		
FUNCTION:	AM	RADIATION	!! 33 M RADS	!NONE !SEE NOTE !(1)	RADIATION MAPS ZONE	!NONE !SEE NOTE !(1)	-		EBASCO FILE NO: EQ-ME-6
ACCURACY SPECIFIED:	N/A	AGING	!!40 YEARS !! PLUS !! 1 YEAR !!ACCIDENT	!NONE !SEE NOTE !(1)	FSAR	!NONE !SEE NOTE !(1)	-		
ACCURACY DEMONS.:	N/A	FLOOD LEVEL EL:	+15.0 FT.						
LOCATION: CONT BUILDING		ABOVE FLOOD LEVEL:	YES						
COORDINATES: S-W		INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH		ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO									PREPARER:BM 07/30/82 DATE
QUALIF STATUS: NOT QUALIFIED					REFERENCES:				CHECKER :SKS 07/30/82 DATE
									SYSTEM:COMPONENT COOLING WATER
									QDEF SHEET NO.-1062

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	COMPONENT	OPERATING TIME	120 DAYS	NONE	FSAR TABLE	NONE	-		QUALIFIED LIFE IS:
COMPONENT:	LIMIT SWITCH			(1)	3.11-2	(1)			
PLANT NUMBER:	2CC-F243 A/B	TEMPERATURE	269F PEAK	NONE	LOCA PROFILE	NONE	-		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	NAMCO	PRESSURE	44 PSIG PEAK	NONE	LOCA PROFILE	NONE	-		(1)NO QUALIFICATION DOCUMENT AVAILABLE.
MODEL AND SERIAL NUMBER:	EA 170-42100	RELATIVE HUMIDITY	100%	NONE	FSAR TABLE	NONE	-		QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING
SERVICE DESCRIPTION:	CCW FROM RCP RET ISO VALVE	CHEMICAL SPRAY	PH-5.0 TO 9.0 BORON 1750 TO 2150 PPM	NONE	FSAR TABLE 3.11-1	NONE	-		
FUNCTION:	AM	RADIATION	33 MRADS	NONE	RADIATION MAP ZONE -CC DWG G-144	NONE	-		EBASCO FILE NO: EQ-ME-6
ACCURACY SPECIFIED:	N/A	AGING	140 YEARS PLUS 1 YEAR ACCIDENT	NONE	FSAR SEC 3.11.1	NONE	-		
ACCURACY DEMONS.:	N/A	SUBMERGENCE	N/R	-	-	-	-		
LOCATION:	CONT BUILDING	INDEX FOR INCONSISTENCY!							
ELEVATION:	+15.0 FT.	ANALYSIS IN WORKFILE (IF REQUIRED)							
FLOOD LEVEL EL:	+1.5 FEET	OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ABOVE FLOOD LEVEL:	YES	REFERENCES:							
COORDINATES:	S-W	D							REVISION NO.-01
ENVIRON'T IS HARSH		T							PREPARER:BM 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:NO		P							DATE
QUALIF STATUS: NOT QUALIFIED		H							CHECKER :SKS 07/30/82
		C							DATE
		R							
		A							SYSTEM:COMPONENT
		S							COOLING WATER
									QDEF SHEET NO.-1063

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA	FSAR TABLE	REF (1) P 3-2	TYPE TEST+	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID			ENV	3.11-2	SEC 3.2.7	ENG. EVAL.		
PLANT NUMBER: 2CC-F243 A/B	TEMPERATURE	414F PEAK	450F PEAK	COMPOSITE LOCA-MSLB PROFILE	REF (2) APP.A FIG.4.2	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF (1)APP.I SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	44 PSIG PEAK	86 PSIG PEAK	COMPOSITE LOCA-MSLB PROFILE	REF (2) APP.A FIG.4.2	TYPE TEST		
MODEL AND SERIAL NUMBER: NP831655E	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	REF (1) P 4-4	TYPE TEST		
SERVICE DESCRIPTION: CCW FROM RCP RET ISOL VALVE				3.11-1	SEC.4.7			
FUNCTION: AM	CHEMICAL SPRAY	PH-5.0 TO 9.0 BORON 1750 TO 2150 PPM	PH 9.5- 10.5 BORON 3000 PPM	FSAR TABLE 3.11-1	REF (1) P 4-4 SEC.4.7	TYPE TEST		
ACCURACY SPECIFIED: N/A	RADIATION	33 MRADS	200MRADS	RADIATION MAP	REF (1) P 4-4	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A				ZONE -CC DWG G-144	SEC.4.6			
LOCATION: CONT BUILDING ELEVATION: +15.0 FT.	AGING	140 YEARS PLUS 1 YEAR ACCIDENT	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC 3.11.1	REF (1) APP A P 9-3 & 4	TYPE TEST		
FLOOD LEVEL EL: +.5 FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: YES								
COORDINATES: S-W	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-1		O!					PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO			T!					CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED			P!	REFERENCES:	(1)ASCO TEST REPORT # AQS21678/TR REV A JULY 1979			
			H!		(2)ASCO TEST REPORT # AQR-67368/REV.O MARCH 1982			SYSTEM:COMPONENT COOLING WATER
			C!					QDEF SHEET NO.-1064
			R!					
			A!					
			S!					

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE	REF(1) P 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID				3.11-2	SEC 3.2.7	ENG EVAL		
PLANT NUMBER: 3CC-F268 A	TEMPERATURE	120F	346F PEAK	HVAC TEMP MAP DWG G-135	REF(1) P 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1) APP.I SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	OP SIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			(1)PRESS.,RELATIVE HUMIDITY AND RADIATION ARE NOT CONSIDERED SIGNIF- ICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: NP831655E	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			
SERVICE DESCRIPTION: EM DIES GEN HX CCW RET ISO VLV				3.11-1				
FUNCTION: AM	CHEMICAL SPRAY	N/R	-					
ACCURACY SPECIFIED: N/A	RADIATION	2300 RADS	SEE NOTE (1)	RADIATION MAP ZONE -N DWG G-135	SEE NOTE (1)			EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC 3.11.1	REF(1) APP A P 9-3&4			
LOCATION: AUX BUILDING ELEVATION: +21 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R	-					
COORDINATES: L-4A	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	ANALYSIS M-1							O: T: P: H: C: R: A: S:
QUALIF STATUS: QUALIFIED	REFERENCES: (1)ASCO TEST REPORT # AQS21678/TR REV A JULY 1979							
	REVISION NO.-01							
	PREPARER:BM 07/30/82 DATE							
	CHECKER :SKS 07/30/82 DATE							
	SYSTEM:COMPONENT COOLING WATER							
	QDEF SHEET NO.-1065							

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY		
							ANALYZED			
SYSTEM:	COMPONENT	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV.	FSAR TABLE	REF (1) P. 3-2	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT:	SOLENOID				3.11-2	SEC 3.2.7				
PLANT NUMBER:	3CC-F269 B	TEMPERATURE	120 F	346 F PEAK	HVAC TEMP MAP DWG G-135	REF (1) P. 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13	
MANUFACTURER:	ASCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)			((1)PRESS.,RELATIVE HUMIDITY AND RADIATION ARE NOT CONSIDERED SIGNIF- ICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER:	NP831655E	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)				
SERVICE DESCRIPTION:	EM DIES GEN HX CCW RET ISO VLV				3.11-1					
FUNCTION:	AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED:	N/A	RADIATION	2300 RADS	SEE NOTE (1)	RADIATION MAP ZONE -N DWG G-135	SEE NOTE (1)			EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.:	N/A	AGING	140 YEARS PLUS 1 YEAR ACCIDENT	268F FOR 12DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC 3.11.1	REF (1) APP A P. 9-3&4	TYPE TEST			
LOCATION:	AUX BUILDING									
ELEVATION:	+21.0 FT.									
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	K-4A	INDEX FOR INCONSISTENCY!								
ENVIRON'T IS HARSH		ANALYSIS IN WORKFILE (IF REQUIRED)								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		ANALYSIS M-1								REVISION NO.-01
QUALIF STATUS: QUALIFIED										PREPARER: BM 07/30/82 DATE
										CHECKER : SKS 07/30/82 DATE
										REFERENCES: (1)ASCO TEST REPORT # AQS21678/TR REV A JULY 1979
										SYSTEM: COMPONENT COOLING WATER
										QDEF SHEET NO.-1066

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	COMPONENT	OPERATING TIME	120 DAYS	31 DAYS IN LOCA ENV	FSAR TABLE	REF. (1) APP XII P. 4-16 FIG. 1	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT:	SOLENOID				3.11-2				
PLANT NUMBER:	3CC-E640A	TEMPERATURE	120F	346F PEAK	HVAC TEMP MAP DWG G-135	REF. (1) APP XII P. 4-16 FIG. 1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	VALCOR	PRESSURE	OP SIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESS.,RELATIVE HUMIDITY AND RADIATION ARE NOT CONSIDERED SIGNIF- ICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER:	V526-6131-5	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION:	EMER DIESEL GEN HX CCW ISO VA								
FUNCTION:	AM	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED:	N/A	RADIATION	110 RADS	SEE NOTE (1)	RADIATION MAP ZONE -D DWG G-135	SEE NOTE (1)	-		EBASCO FILE NO: EQ-ME-2
ACCURACY DEMONS.:	N/A								
LOCATION:	AUX BUILDING	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	318F FOR 613.8 HOURS	FSAR SEC 3.11.1	REF(1) P 21 SEC 4.2.1	TYPE TEST + ENG. EVAL.	YES	
ELEVATION:	+21 FT.								
FLOOD LEVEL EL:	N/A FEET	SUBMER- GENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL:	N/A								
COORDINATES:	K-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
ENVIRON'T IS HARSH		ANALYSIS M-5	O!						PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO			P!						CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED			H!	REFERENCES: (1)VALCOR SOLENOID IE QUALIF REPORT QR52600-5940-2					
			C!						
			R!						
		ANALYSIS M-5	A!						SYSTEM:COMPONENT COOLING WATER
			S!						QDEF SHEET NO.-1067

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	31 DAYS IN LOCA	FSAR TABLE 3.11-2	REF(1) APP XII P 4-16 FIG.1	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 40+1 YR ACC	
COMPONENT: SOLENOID									
PLANT NUMBER: 3CC-E641B	TEMPERATURE	120F	346F PEAK	HVAC TEMP MAP DWG G-135	REF (1) APP XII P 4-16 FIG 1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: VALCOR	PRESSURE	OPSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE, RELATIVE HUMIDITY AND RADIATION ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: V526-6131-5	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: EMER DIESEL GEN HX CCW ISO VA									
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	110 RADS	SEE NOTE (1)	RADIATION MAP ZONE -0 DWG G-135	SEE NOTE (1)	-		EBASCO FILE NO: EQ-ME-2	
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	318F FOR 613.8 HOURS	FSAR SEC 3.11.1	REF(1) P 21 SEC 4.2.1	TYPE TEST + ENG. EVAL.	YES		
LOCATION: AUX BUILDING ELEVATION: +21.0 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: K-6A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO. -01
ENVIRON'T IS HARSH	ANALYSIS M-5 O! T! P! H! C! R! A! S!								PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1)VALCOR SOLENOID IE QUALIF. REPORT QR52600-5940-2								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED									SYSTEM: COMPONENT COOLING WATER
									QDEF SHEET NO. -1068

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	160,000 HRS	FSAR TABLE 3.11-2	REF (1) P 2 PARA 2A	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: MOTOR								
PLANT NUMBER: CCW MAKE-UP PUMP A	TEMPERATURE	150F	248F	HVAC TEMP MAP DWG G-137	REF (1) P 2 PARA 2A	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: WILL BE FURN BY ALLIS- CHALMERS PER REF (1)PAGE3
MANUFACTURER: ALLIS-CHALMERS	PRESSURE	OP SIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: 324TS	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: DRIVER OF MAKE-UP PUMP A	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	10,000 RADS	10 MRADS	RADIATION MAP ZONE -A DWG G-137	REF (1) P 2 PARA 2B	-		EBASCO FILE NO: EQ-ME-8
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS	40 YEARS PLUS	FSAR SEC 3.11.1	REF (1) P 3 FIG A-9088	-		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A								
COORDINATES: K-4A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO: CCW MAKE-UP PUMP B							REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED	REFERENCES: (1)MOTOR QUALIFICATION PER IEEE 323-1971 REFERENCE: PO#NY-403436 SPEC. LOU-1564.116							SYSTEM: COMPONENT COOLING WATER
								QDEF SHEET NO.-1069

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF (1) P 4-18	TYPE TEST+	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH				3.11-2		ENG. EVAL.		
PLANT NUMBER: 3CC-F130A	TEMPERATURE	150F	248F	HVAC TEMP MAP DWG G-137	REF (1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	OP SIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION.
MODEL AND SERIAL NUMBER: EA 170-42302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
SERVICE DESCRIPTION: CCW OUTLET VLV FROM SD HX A				3.11-1				
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	10,000 RADS	204 M RADS	RADIATION MAP ZONE -A DWG G-137	REF (1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	400 HRS AT 120C EQUIV TO 20 YRS AT 104F	FSAR SEC 3.11.1	REF (1) P 4-27 (FIG 14)& P 10-62	TYPE TEST		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-12A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRONMENT IS HARSH	ANALYSIS M-3			O! T! P! H! C! R! A! S!			REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO				REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPORT NO. QTR 107 REV.0			PREPARER: BM 07/30/82 DATE	
QUALIF STATUS: QUALIFIED							CHECKER :SKS 07/30/82 DATE	
							SYSTEM: COMPONENT COOLING WATER	
							QDEF SHEET NO.-1070	

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	COMPONENT	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE	REF (1) P 3-2	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT:	SOLENOID				3.11-2	SEC 3.2.7.				
PLANT NUMBER:	3CC-F130A	TEMPERATURE	150F	346 F PEAK	HYAC TEMP MAP DWG G-137	REF (1) P 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: 4 YRS COMPS. REPLACEMENT REF(1) APP. I SEC 3.2.3.13	
MANUFACTURER:	ASCO	PRESSURE	OP SIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1) PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION.	
MODEL AND SERIAL NUMBER:	NP8320A175E	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
SERVICE DESCRIPTION:	CCW OUTLET VLV FROM SD HX A				3.11-1					
FUNCTION:	AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED:	N/A	RADIATION	10,000 RADS	200 M RADS	RADIATION MAP ZONE -A DWG G-137	REF (1) P 4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.:	N/A	AGING	140 YEARS PLUS 1 YEAR ACCIDENT	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC 3.11.1	REF (1) APP A P 9-3 & 4	TYPE TEST			
LOCATION: ELEVATION:	AUX BUILDING -35 FT.									
FLOOD LEVEL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	J-12A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE! (IF REQUIRED)								
ENVIRONMENT IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO	ANALYSIS M-1	O	T	P	H	C	R	A	
QUALIFICATION STATUS:	QUALIFIED					REFERENCES: (1) ASCO TEST REPORT # AQS21678/TR REV. A JULY 1979				
									SYSTEM: COMPONENT COOLING WATER QDEF SHEET NO. -1071	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF(1) P 4-18	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH				3.11-2					
PLANT NUMBER: 3CC-F131B	TEMPERATURE	150F	248F	HVAC TEMP MAP DWG G-137	REF(1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	OPSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 170-41302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: CCW OUTLET VLV FROM SD HX B	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	10,000 RADS	204 M RADS	RADIATION MAP ZONE -A DWG G-137	REF(1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 1 YEAR	400 HRS AT 120C EQUIV TD 20 YRS	FSAR SEC3.11.1	REF(1) P 4-27 (FIG 14) & P 10-62	TYPE TEST			
LOCATION: AUX BUILDING ELEVATION: -35 FT.	SUBMERGENCE	N/R	-	-	-	-			
FLOOD LEVEL EL: N/A FEET									
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-10A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:								
ENVIRONMENT IS HARSH	ANALYSIS M-3								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED	REFERENCES: (1)NAMCO QUALIF OF EA170-XX302 REPORT NO QTR 107 REV 0								CHECKER :SKS 07/30/82 DATE
									SYSTEM:COMPONENT COOLING WATER
									QDEF SHFET NO.-1072

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.		ANALYZED		
SYSTEM:	COMPONENT	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF (1) P 4-18	TYPE TEST+ ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT:	LIMIT SWITCH				3.11-2					
PLANT NUMBER:	3CC-F131B	TEMPERATURE	150F	248F	HVAC TEMP MAP DWG G-137	REF (1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF (1) P.4-17	
MANUFACTURER:	NAMCO	PRESSURE	OP SIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER:	EA 170-42302	RELATIVE HUMIDITY	120-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION:	CCW OUTLET VLV FROM SD HX B	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION:	AM									
ACCURACY SPECIFIED:	N/A	RADIATION	10,000 RADS	1204 M RADS	RADIATION MAP ZONE -A DWG G-137	REF (1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DFMONS.:	N/A	AGING	40 YEARS PLUS 1 YEAR	400 HRS AT 120C EQUIV TO 20 YRS. AT 104F	FSAR SEC 3.11.1	REF (1) P 4-27 (FIG 14) & P 10-62	TYPE TEST			
LOCATION:	AUX BUILDING	SUBMERGENCE	N/R	-	-	-	-			
ELEVATION:	-35 FT.									
FLOOD LEVEL EL:	N/A FEET									
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	J-10A	INDEX FOR INCONSISTENCY!								
ENVIRON'T IS HARSH		ANALYSIS IN WORKFILE (IF REQUIRED)								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO	ANALYSIS M-3								REFERENCES: (1)NAMCO QUALIF OF EA170-XX302 REPORT NO QTR 107 REV 0
QUALIF STATUS:	QUALIFIED									REVISION NO. -01
										PREPARER: BM 07/30/82 DATE
										CHECKER :SKS 07/30/82 DATE
										SYSTEM:COMPONENT
										COOLING WATER
										QDEF SHEET NO. -1073

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: COMPONENT									
COOLING WATER	OPERATING TIME	120 DAYS	30DAYS IN LOCA ENV	FSAR TABLE	REF (1) P 3-2	TYPE TEST+	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID				3.11-2	SEC 3-27	ENG. EVAL			
PLANT NUMBER: 3CC-F131B	TEMPERATURE	150F	346 F PEAK	HVAC TEMP	REF (1) P 4-4	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF (1)APP.I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	OP SIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: NP8320A175E	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
SERVICE DESCRIPTION: CCW OUTLET VLV FROM SD HX B				3.11-1					
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	10,000 RADS	200 M RADS	RADIATION	REF (1) P 4-4	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A				ZONE -A	SEC 4.6				
LOCATION: AUX BUILDING	AGING	40 YEARS PLUS 1 YEAR	368F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC 3.11.1	REF (1) APP A P 9-3 & 4	TYPE TEST			
ELEVATION: -35 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-10A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-1								PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	OTHER EQUIPMENT THIS QDEF APPLIES TO:								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED	REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV.A JULY 1979								SYSTEM:COMPONENT COOLING WATER QDEF SHEET NO.-1074

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	NONE SEE NOTE (2)	FSAR TABLE	NONE SEE NOTE (2)	-		QUALIFIED LIFE IS:	
COMPONENT: LIMIT SWITCH				3.11-2	(2)				
PLANT NUMBER: 3CC-F146 A/B	TEMPERATURE	148F	NONE SEE NOTE (2)	HVAC TEMP MAP DWG G-145	NONE SEE NOTE (2)	-		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: NAMCO	PRESSURE	OP SIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
MODEL AND SERIAL NUMBER: EA 170-41100	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION: CONTAINMENT ISOL VALVE	CHEMICAL SPRAY	N/R	-	3.11-1				(2)NO QUALIFI- CATION DOCUMENTS AVAILABLE. QUALIF- IED REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOAD- ING	
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	NONE SEE NOTE (2)	RADIATION MAP ZONE -FF DWG G-145	NONE SEE NOTE (2)	-		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A	AGING	140 YEARS PLUS 1 YEAR ACCIDENT	NONE SEE NOTE (2)	FSAR SEC3.11.1	NONE SEE NOTE (2)	-			
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	SUBMERGENCE	N/R	-						
FLOOD LEVEL EL: N/A FEET									
ABOVE FLOOD LEVEL: N/A									
COORDINATES: M-5A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO. -01
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								PREPARED BY: 07/30/80 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:								CHECKER: 1/30/82 DATE
QUALIF STATUS: NOT QUALIFIED									SYSTEM: COMPONENT COOLING WATER QDEF SHEET NO. -1075

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	NONE SEE NOTE (2)	FSAR TABLE	NONE SEE NOTE (2)	-		QUALIFIED LIFE IS:	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 2CC-F146 A/B	TEMPERATURE	148F	NONE SEE NOTE (2)	HVAC TEMP MAP DWG G-145	NONE SEE NOTE (2)	-		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: NAMCO	PRESSURE	OPSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
MODEL AND SERIAL NUMBER: EA 170-42100	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION: CONTAINMENT ISOL VALVE	CHEMICAL SPRAY	N/R	-	-	-	-		(2)NO QUALIFICATION DOCUMENTS AVAILABLE. QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING.	
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	NONE SEE NOTE (2)	RADIATION MAP ZONE -FF DWG G-145	NONE SEE NOTE (2)	-		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A									
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	AGING	40 YEARS PLUS 1 YEAR ACCIDENT	NONE SEE NOTE (2)	FSAR SEC3.11.1	NONE SEE NOTE (2)	-			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: M-5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: NOT QUALIFIED									CHECKER: SKS 07/30/82 DATE
									SYSTEM: COMPONENT COOLING WATER
									QDEF SHEET NO.-1076

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENACY ANALYZED		
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENV	FSAR TABLE	REF(1) P 3-2	TYPE TEST+	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID				3.11-2	SEC 3.2.7	ENG. EVAL.			
PLANT NUMBER: 2CC-F146 A/B	TEMPERATURE	148F	1346 F PEAK	HVAC TEMP MAP DWG G-145	REF(1) P 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	OPSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: NP831655E	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: CONTAINMENT ISOL VALVE	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	200 M RADS	RADIATION MAP ZONE -FF DWG G-145	REF(1) P 4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	140 YEARS PLUS 1 YEAR ACCIDENT	268 F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC3.11.1	REF(1) APP A P 9-3 & 4	TYPE TEST			
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	SUBMERGENCE	N/R	-	-	-	-			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A									
COORDINATES: M-5A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-1								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1) ASCO TEST REPORT #AQS21678 /TR. REV A JULY 1979								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
									SYSTEM: COMPONENT COOLING WATER
									QDEF SHEET NO.-1077

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATION		QUALIFICATION METHOD		NOTES
PARAMETER	SPEC.	QUALIF.	SPEC.	FSAR TABLE	QUALIF.	METHOD	ANALYZED	
SYSTEM: COOLING WATER	OPERATING TIME	NONE	120 DAYS	FSAR TABLE	NONE	-	-	QUALIFIED LIFE IS:
COMPONENT: LIMIT SWITCH		SEE NOTE (2)		3.11-2	SEE NOTE (2)			
PLANT NUMBER: 2CC-F147 A/B	TEMPERATURE	NONE	148F	HVAC TEMP MAP DWG G-145	NONE			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: NAMCO	PRESSURE	SEE NOTE (1)	OP SIG	FSAR TABLE 3.11-1	SEE NOTE (1)			(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 170-41100	RELATIVE HUMIDITY	SEE NOTE (1)	20-90%	FSAR TABLE 3.11-1	SEE NOTE (1)			(2) NO QUALIFICATION DOCUMENTS AVAILABLE. QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING.
SERVICE DESCRIPTION: ISOL VALVE	CHEMICAL SPRAY	-	N/R	-	-			TEBASCO FILE NO: EQ-ME-6
FUNCTION: AM	RADIATION	NONE	64,000 RADS	RADIATION MAP ZONE -FF DWG G-145	SEE NOTE (2)			
ACCURACY SPECIFIED: N/A	AGING	NONE	140 YEARS PLUS 1 YEAR ACCIDENT	FSAR SEC3.11.1	SEE NOTE (2)			
ACCURACY DEMONS: N/A	SUBMERGENCE	-	N/R	-	-			
LOCATION: AUX BUILDING	FLOOD LEVEL EL: N/A FEET							
ELEVATION: -4.0 FT.	ABOVE FLOOD LEVEL: N/A							
COORDINATES: M-4A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS ODEF APPLIES TO:							
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:							
QUALIF STATUS: NOT QUALIFIED	REVISION I.O. -01							
	PREPARER: BM 07/30/82							
	CHECKER: SKS 07/30/82							
	SYSTEM: COMPONENT							
	COOLING WATER							
	ODEF SHEET NO. -1078							

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	COMPONENT	OPERATING TIME	120 DAYS	NONE	FSAR TABLE	NONE	-		QUALIFIED LIFE IS:
COMPONENT:	LIMIT SWITCH			(2)	3.11-2	(2)			
PLANT NUMBER:	2CC-F147 A/B	TEMPERATURE	148F	NONE	HVAC TEMP MAP	NONE	-		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	NAMCO	PRESSURE	OP SIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
MODEL AND SERIAL NUMBER:	EA 170-42100	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION:	CONTAINMENT ISOL VALVE	CHEMICAL SPRAY	N/R	-	-	-	-		(2)NO QUALIFICATION DOCUMENTS AVAILABLE. QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING.
ACCURACY SPECIFIED:	N/A	RADIATION	64,000 RADS	NONE	RADIATION MAP	NONE	-		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.:	N/A	AGING	140 YEARS PLUS 1 YEAR	NONE	FSAR SEC3.11.1	NONE	-		
LOCATION:	AUX BUILDING	ELEVATION:	-4.0. FT.	ACCIDENT					
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL:	N/A								
COORDINATES:	M-4A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO	O!							PREPARER: BM 07/30/82
QUALIF STATUS:	NOT QUALIFIED	T!							DATE
		P!	REFERENCES:						CHECKER :SKS 07/30/82
		H!							DATE
		C!							
		R!							SYSTEM: COMPONENT
		A!							COOLING WATER
		S!							QDEF SHEET NO. -1079

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
SYSTEM:	COMPONENT	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
	COOLING WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE	REF(1) P 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT:	SOLENOID				3.11-2	SEC 3.2.7	ENG. EVAL.			
PLANT NUMBER:	2CC-F147 A/B	TEMPERATURE	148F	346 F PEAK	HVAC TEMP MAP DWG G-145	REF(1) P 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP. I SEC 3.2.3.13	
MANUFACTURER:	ASCO	PRESSURE	OPSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		((1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER:	NP 831655E	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
SERVICE DESCRIPTION:	CONTAINMENT ISOL VALVE				3.11-1					
FUNCTION:	AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED:	N/A	RADIATION	64,000 RADS	200 M RADS	RADIATION MAP ZONE -FF DWG G-145	REF(1) P 4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.:	N/A									
LOCATION: ELEVATION:	AUX BUILDING -4.0 FT.	AGING	140 YEARS PLUS 1 YEAR ACCIDENT	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC 3.11.1	REF(1) APP A P 9-3 & 4	TYPE TEST			
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	M-4A	!INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE (IF REQUIRED) ! ANALYSIS M-1								
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		REFERENCES: (1)ASCO TEST REPORT #AQS 21678 /TR REV A JULY 1979								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED										CHECKER :SKS 07/30/82 DATE
										SYSTEM: COMPONENT COOLING WATER
										QDEF SHEET NO.-1080

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF(1) P 4-18	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH				3.11-2					
PLANT NUMBER: 3CC-TM148A	TEMPERATURE	148F	248F	HVAC TEMP MAP DWG G-145	REF(1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	OP SIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 170-31302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
SERVICE DESCRIPTION: CONT.FAN COOLER SYS "A" FCV	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	204 M RADS	RADIATION MAP ZONE -FF DWG G-145	REF (1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A	AGING	140 YEARS PLUS 1 YEAR ACCIDENT	1400 HRS AT 120C EQUIV TO 20 YRS AT 104F	FSAR SEC3.11.1	REF (1) P 4-27 (FIG 14) P 10-62	TYPE TEST			
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	SUBMERGENCE	N/R	-	-	-	-			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-3								
COORDINATES: L-5A ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO QUALIF STATUS: QUALIFIED	REFERENCES: (1) NAMCO QUALIF OF EA170 - XX302 REPORT #QTR 107 REV 0								PREPARER: BM 07/30/82 DATE CHECKER: SKS 07/30/82 DATE
	SYSTEM: COMPONENT COOLING WATER								QDEF SHEET NO.-1081

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENVI.	FSAR TABLE 3.11-2	REF (1) P.3-2	TYPE TEST+ ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT:	SOLENOIDS					SEC.3.2.7				
PLANT NUMBER:	3CC-TM148A	TEMPERATURE	148F	346F PEAK	HVAC TEMP MAP DWG G-145	REF (1) P.4-4 SEC.4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1) APP. I SEC.3.2.3.13	
MANUFACTURER:	ASCO	PRESSURE	OP SIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION.	
MODEL AND SERIAL NUMBER:	NP831665E	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION:	CONT. FAN COOLER SYS "A" FCV									
FUNCTION:	AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED:	N/A	RADIATION	64,000 RADS	200M RADS	RADIATION MAP ZONE -FF DWG G-145	REF (1) P.4-4 SEC. 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.:	N/A	AGING	140 YEARS PLUS 1 YEAR ACCIDENT	1268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC3.11.1	REF (1) APP. A P.9-3 & 4	TYPE TEST			
LOCATION:	AUX BUILDING									
ELEVATION:	-4.0. FT.									
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	L-5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		ANALYSIS M-1								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO										REFERENCES: (1)ASCO TEST REPT#AQS21678/TR REV. A JULY 1979
QUALIF STATUS: QUALIFIED										REVISION NO.-01 PREPARER: BM 07/30/82 DATE CHECKER : SKS 07/30/82 DATE
										SYSTEM: COMPONENT COOLING WATER QDEF SHEET NO.-1082

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: COMPONENT	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF(1) P 4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH				3.11-2		ENG. EVAL.			
PLANT NUMBER: 3CC-TM149B	TEMPERATURE	148 DEGF	248 DEGF	HVAC TEMP MAPS	REF(1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1) PRESS AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA170-31302	RELATIVE HUMIDITY	20-90 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
SERVICE DESCRIPTION: CONT FAN COOLER SYSTEM "B" FCV.				3.11-1					
FUNCTION: A.M	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	204 M RADS	RADIATION MAPS	REF(1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A				ZONE -FF					
LOCATION: AUX BUILDING	AGING	140 YRS + 1 YR ACC.	400 HRS AT 120C EQUIV TO 20 YRS AT 104F	FSAR SEC	REF(1) P 4-27	TYPE TEST			
ELEVATION: -4.0 FT.				3.11.1	(FIG. 14) P 10-62				
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: L-3A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:		REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-3						REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPORT NO QTR 107 REV. 0		PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED									SYSTEM: COMPONENT COOLING WATER
									QDEF SHEET NO.-1083

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV.	FSAR TABLE 3.11-2	REF (1) P.3-2 SEC.3.2.7	TYPE TEST+ ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS
PLANT NUMBER: 3CC-TM149B	TEMPERATURE	148 DEGF	346F PEAK	HVAC TEMP MAPS DWG NO: G-145	REF (1) P.4-4 SEC.4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1) APP.I SEC.3.2.3.13
MANUFACTURER: ASCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT
MODEL AND SERIAL NUMBER: NP831665E	RELATIVE HUMIDITY	20-90 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: CONT FAN COOLER SYSTEM "B" FCV.	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	200 M RADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) P.4-4 SEC. 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A	AGING	40 YRS + 1 YR ACC.	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140 F	FSAR SEC 3.11.1	REF (1) APP.A P.9-3 & 4	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -4.0. FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	INDEX FOR INCONSISTENCY							
COORDINATES: L-3A	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-1			REFERENCES: (1)ASCO TEST RPT#AQS21678/TR REV.A JULY 1979				PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								SYSTEM:COMPONENT COOLING WATER
								QDEF SHEET NO.-1084

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	1400 HOURS	FSAR TABLE	REF(1) P. 4-18	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT:	LIMIT SWITCH				3.11-2					
PLANT NUMBER:	2CC-F154A1	TEMPERATURE	148 DEGF	248 DEGF	HVAC TEMP MAPS	REF(1) P. 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER:	NAMCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1)PRESS AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER:	EA 170-41302	RELATIVE HUMIDITY	20-90 %	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
SERVICE DESCRIPTION:	FAN COOLERS CCW CONT ISO VALVE				3.11-1					
FUNCTION:	A.M	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED:	N/A	RADIATION	64,000 RADS	204 M RADS	RADIATION MAPS	REF(1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.:	N/A				ZONE -FF DWG G-145					
LOCATION:	AUX BUILDING	AGING	40 YRS + 1 YR ACC.	1400 HRS AT 120C EQUIV	FSAR SEC	REF(1) P.4-27	TYPE TEST			
ELEVATION:	-4.0 FT.			TO 20 YRS AT 120F	3.11.1	(FIG.14) P.10-62				
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	M-4A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		ANALYSIS M-3								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO									REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO QTR 107 REV 0
QUALIF STATUS:	QUALIFIED									REVISION NO.-01
										PREPARER:BM 07/30/82 DATE
										CHECKER :SKS 07/30/82 DATE
										SYSTEM:COMPONENT COOLING WATER
										QDEF SHEET NO.-1085

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY		
							ANALYZED	ANALYZED		
SYSTEM:	COMPONENT	OPERATING	120 DAYS	1400 HOURS	FSAR	REF(1)	TYPE	YES	QUALIFIED	
	COOLING WATER	TIME	!!	!!	TABLE	P 4-18	TEST +	!!	LIFE IS:	
COMPONENT:	LIMIT SWITCH	!!	!!	!!	3.11-2	!!	ENG.	!!	5 YEARS	
		!!	!!	!!	!!	!!	EVAL.	!!	!!	
PLANT		TEMPERAT-	148 DEGF	248 DEGF	HVAC	REF(1)	TYPE	!!	MAINTENANCE /	
NUMBER:	2CC-F154A1	URE	!!	!!	TEMP MAPS	P 4-18	TEST	!!	REPLACEMENT SCHD:	
		!!	!!	!!	DWG NO:	!!	!!	!!	MAINTENANCE	
		!!	!!	!!	G-145	!!	!!	!!	PROCEDURE	
MANUFACTURER:	NAMCO	PRESSURE	10 PSIG	SEE NOTE	FSAR	SEE NOTE	-	!!	EA179-90051	
		!!	!!	(1)	TABLE	(1)	!!	!!	REF(1)P.4-17	
		!!	!!	!!	3.11-1	!!	!!	!!	!!	
MODEL AND		!!	!!	!!	!!	!!	!!	!!	!!	
SERIAL	EA170-42302	!!	!!	!!	!!	!!	!!	!!	!!	
NUMBER:		RELATIVE	120-90 %	SEE NOTE	FSAR TABLE	SEE NOTE	-	!!	SIGNIFICANT	
		HUMIDITY	!!	(1)	!!	(1)	!!	!!	PARAMETERS FOR	
SERVICE	FAN COOLERS CCW	!!	!!	!!	3.11-1	!!	!!	!!	EVALUATION	
DESCRIPTION:	CONT ISO VALVE	!!	!!	!!	!!	!!	!!	!!	!!	
		!!	!!	!!	!!	!!	!!	!!	!!	
FUNCTION:	A.M	CHEMICAL	N/R	-	-	-	-	!!	!!	
		SPRAY	!!	!!	!!	!!	!!	!!	!!	
		!!	!!	!!	!!	!!	!!	!!	!!	
		!!	!!	!!	!!	!!	!!	!!	!!	
ACCURACY	N/A	RADIATION	64,000	204 M RADS	RADIATION	REF(1)	TYPE	!!	EBASCO FILE NO:	
SPECIFIED:		!!	RADS	!!	MAPS	P 10-64	TEST	!!	EQ-ME-6	
		!!	!!	!!	ZONE -FF	!!	!!	!!	!!	
ACCURACY	N/A	!!	!!	!!	DWG G-145	!!	!!	!!	!!	
DEMONS.:		!!	!!	!!	!!	!!	!!	!!	!!	
		AGING	140 YRS +	1400 HRS AT	FSAR	REF(1)	TYPE	!!	!!	
		!!	1 YR ACC	120C EQUIV	SEC	P.4-27	TEST	!!	!!	
LOCATION:	AUX BUILDING	!!	!!	TO 20 YRS	3.11.1	(FIG 14)	!!	!!	!!	
ELEVATION:	-4.0 FT.	!!	!!	AT 120F	!!	P.10-62	!!	!!	!!	
		!!	!!	!!	!!	!!	!!	!!	!!	
FLOOD		SUBMER-	N/R	-	-	-	-	!!	!!	
LEVEL EL:	N/A FEET	GENCE	!!	!!	!!	!!	!!	!!	!!	
		!!	!!	!!	!!	!!	!!	!!	!!	
ABOVE FLOOD		!!	!!	!!	!!	!!	!!	!!	!!	
LEVEL:	N/A	!!	!!	!!	!!	!!	!!	!!	!!	
		!!	!!	!!	!!	!!	!!	!!	!!	
COORDINATES:	M-4A	INDEX FOR INCONSISTENCY!							!!	!!
		ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!!	!!
		(IF REQUIRED) !							!!	!!
ENVIRON'T IS HARSH		ANALYSIS M-3							!!	REVISION NO.-01
		O!	T!	P!	H!	C!	R!	A!	PREPARER:BM 07/30/82	
EQUIPMENT EXEMPT FROM		S!							DATE	
QUALIFICATION:NO									CHECKER :SKS 07/30/82	
QUALIF STATUS:									DATE	
QUALIFIED									!!	
									SYSTEM:COMPONENT	
									COOLING WATER	
									QDEF SHEET NO.-1086	

REFERENCES: (1)NAMCO QUALIFICATION OF
EA170-XX302
REPORT NO QTR 107 REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TEMCY ANALYZED		
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	!! 120 DAYS	!! 30 DAYS IN !! LOCA ENV	FSAR TABLE	REF(1) P 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID		!!	!!	3.11-2	SEC 3.2.7	EVAL.			
PLANT NUMBER: 2CC-F154A1	TEMPERATURE	!! 148 DEGF	!! 346 F !! PEAK	HVAC TEMP MAPS	REF(1) P4-4	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1) APP.I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	!! 0 PSIG	!! SEE NOTE !! (1)	FSAR TABLE	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: NP831655E	RELATIVE HUMIDITY	!! 20-90%	!! SEE NOTE !! (1)	FSAR TABLE	SEE NOTE (1)	-			
SERVICE DESCRIPTION: FAN COOLERS CCW CONT ISO VALVE	CHEMICAL SPRAY	!! N/R	!! -	-	-	-			
FUNCTION: AM		!!	!!						
ACCURACY SPECIFIED: N/A	RADIATION	!! 64,000 !! RADS	!! 200 M RADS	RADIATION MAPS	REF(1) P 4-4	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A		!!	!!	ZONE -FF DWG G-145!	SEC 4.6				
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	AGING	!! 40 YRS + !! 1 YR	!! 268 F FOR !! 12 DAYS EQ	FSAR SEC.	REF(1) APP A	TYPE TEST			
	ACCIDENT	!!	!! TO 4.4 YRS !! AT 140 F	3.11.1	P 9-384				
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	!! N/R	!! -	-	-	-			
ABOVE FLOOD LEVEL: N/A		!!	!!						
COORDINATES: M-4A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	ANALYSIS M-1								PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED	REFERENCES: (1)ASCO TEST REPORT # AQS21678/TR REV A JULY 1979								CHECKER :SKS 07/30/82 DATE
									SYSTEM:COMPONENT COOLING WATER
									QDEF SHEET NO.-1087

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	COMPONENT	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF (1) P. 4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT:	LIMIT SWITCH				3.11-2		ENG. EVAL.			
PLANT NUMBER:	2CC-F155A2	TEMPERATURE	148 DEGF	248 DEGF	HVAC	REF (1) P. 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER:	NAMCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT	
MODEL AND SERIAL NUMBER:	EA170-42302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION:	FAN COOLERS SOL OPER CCW ISO VA									
FUNCTION:	AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED:	N/A	RADIATION	64,000 RADS	204 M RADS	RADIATION MAPS	REF (1) P. 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.:	N/A				ZONE -FF	DWG G-145				
LOCATION:	AUX BUILDING	AGING	40 YRS.+ 1 YR	400 HRS AT 120C EQUIV TO 20 YRS	FSAR SEC 3.11.1	REF (1) P. 4-27 (FIG 14)	TYPE TEST	*		
ELEVATION:	-4.0 FT.		ACCIDENT	AT 140 F		P. 10-62				
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	N-10A	!INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:								
ENVIRON'T IS HARSH		! (IF REQUIRED) !								! REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		ANALYSIS M-3	O!						! PREPARER: BM 07/30/82	
QUALIF STATUS: QUALIFIED			T!						! DATE	
			P!						! CHECKER :SKS 07/30/82	
			H!	REFERENCES:	(1)NAMCO QUALIFICATION OF EA170-XX302				! DATE	
			C!		REPORT NO. QTR 107 REV 0				! SYSTEM:COMPONENT	
			R!						! COOLING WATER	
			A!						! QDEF SHEET NO. -1088	
			S!							

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC	QUALIF.			
SYSTEM:	COMPONENT	OPERATING TIME	120 DAYS	1400 HOURS	FSAR TABLE	REF (1) P. 4-18	TYPF TEST +	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT:	LIMIT SWITCH				3.11-2		ENG. EVAL.		
PLANT NUMBER:	2CC-F155A2	TEMPERATURE	148 DEGF	1248 DEGF	HVAC	REF (1) P. 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER:	NAMCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT
MODEL AND SERIAL NUMBER:	EA170-41302	RELATIVE HUMIDITY	120-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION:	FAN COOLERS SOL OPER CCW ISO VA								
FUNCTION:	AM	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED:	N/A	RADIATION	64,000 RADS	204 M RADS	RADIATION MAPS	REF (1) P. 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.:	N/A				ZONE -FF DWG G-145				
LOCATION:	AUX BUILDING	AGING	140 YRS. + 1 YR	1400 HRS AT 120C EQUIV TO 20 YRS. AT 140 F	FSAR SEC 3.11.1	REF (1) P. 4-27 (FIG 14) P. 10-62	TYPE TEST		
ELEVATION:	-4.0 FT.								
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL:	N/A								
COORDINATES:	N-10A	!INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							! REVISION NO. -01
ENVIRON'T IS HARSH		! (IF REQUIRED) !							! PREPARER:BM 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		! ANALYSIS M-3 O!							! DATE
QUALIF STATUS: QUALIFIED		! T!							! CHECKER :SKS 07/30/82
		! P!							! DATE
		! H! REFERENCES: (1)NAMCO QUALIFICATION OF							! SYSTEM:COMPONENT
		! C! EA170-XX302							! COOLING WATER
		! R! REPORT NO. QTR 107 REV 0							! QDEF SHEET NO. -1089
		! A!							
		! S!							

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY		
								ANALYZED		
SYSTEM:	COMPONENT	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV.	FSAR TABLE	REF (1) P. 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT:	SOLENOID				3.11-2	SEC 3.2.7	ENG. EVAL.			
PLANT NUMBER:	2CC-F155A2	TEMPERATURE	148 DEGF	346 DEGF PEAK	HVAC TEMP. MAPS	REF (1) P. 4-4	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13	
MANUFACTURER:	ASCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER:	NP831655E	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION:	FAN COOLERS SOL OPER CCW ISO VA									
FUNCTION:	AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED:	N/A	RADIATION	64,000 RADS	200 M RADS	RADIATION MAPS	REF (1) P. 4-4	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.:	N/A				ZONE -FF DWG G-145	SEC 4.6				
LOCATION:	AUX BUILDING	AGING	40 YRS. + 1 YR	1268F FOR 12 DYS EQ TO 4.4 YRS	FSAR SEC 3.11.1	REF (1) APP A	TYPE TEST			
ELEVATION:	-4.0 FT.	ACCIDENT		AT 140F		P 9-3 & 4				
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	N-10A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO. -01
ENVIRON'T IS HARSH		ANALYSIS M-1								PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO										CHECKER : SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED										REFERENCES: (1)ASCO TEST REPORT # AQS21678/TR REV A JULY 1979
										SYSTEM: COMPONENT COOLING WATER
										QDEF SHEET NO. -1090

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF (1) P. 4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH				3.11-2		ENG. EVAL.			
PLANT NUMBER: 2CC-F156B1	TEMPERATURE	148 DEGF	248 DEGF	HVAC TEMP. MAP DWG G-145	REF (1) P. 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA170-42302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)				
SERVICE DESCRIPTION: FAN COOLERS SOL OPER CCW ISO VA									
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	204 MRADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) P. 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A	AGING	40 YRS.+ 1 YR.	400HRS AT 120F EQUIV TO 20 'RS @ 104F	FSAR SEC 3.11.1	REF (1) P. 4-27 (FIG. 14) P. 10-62	TYPE TEST			
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.		ACCIDENT							
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: N-4A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-3								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
	REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO. QTR 107 REV 0								SYSTEM:COMPONENT COOLING WATER
									QDEF SHEET NO.-1091

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT COOLING WATER	! OPERATING TIME	!! 120 DAYS	! 400 HOURS	! FSAR TABLE	! REF (1) P. 4-18	! TYPE TEST +	! YES	! QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH	! !	! !	! !	! 3.11-2	! !	! ENG. EVAL.	! !	! !
PLANT NUMBER: 2CC-F156B1	! TEMPERATURE	!! 148 DEGF	! 248 DEGF	! HVAC TEMP. MAP DWG G-145	! REF (1) P. 4-18	! TYPE TEST	! !	! MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	! PRESSURE	!! 0 PSIG	! SEE NOTE ((1))	! FSAR TABLE 3.11-1	! SEE NOTE ((1))	! -	! !	! ((1))PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA170-41302	! RELATIVE HUMIDITY	!! 20-90%	! SEE NOTE ((1))	! FSAR TABLE 3.11-1	! SEE NOTE ((1))	! -	! !	! !
SERVICE DESCRIPTION: FAN COOLERS SDL OPER CCW ISO VA	! !	! !	! !	! !	! !	! !	! !	! !
FUNCTION: AM	! CHEMICAL SPRAY	!! N/R	! -	! -	! -	! -	! !	! !
ACCURACY SPECIFIED: N/A	! RADIATION	!! 64,000 RADS	! 204 MRADS	! RADIATION MAPS ZONE -FF DWG G-145	! REF (1) P. 10-64	! TYPE TEST	! !	! EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	! AGING	!! 40 YRS + 1 YR.	! 400 HRS AT 120C EQUIV TO 20 YRS	! FSAR SEC 3.11.1	! REF (1) P. 4-27	! TYPE TEST	! !	! !
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	! ACCIDENT	!!	! @ 104F	! !	! (FIG. 14) P. 10-62	! !	! !	! !
FLOOD LEVEL EL: N/A FEET	! SUBMERGENCE	!! N/R	! -	! -	! -	! -	! !	! !
ABOVE FLOOD LEVEL: N/A	! !	! !	! !	! !	! !	! !	! !	! !
COORDINATES: N-4A	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)						! OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH	! ANALYSIS M-3	O!	T!	P!	H!	C!	R!	A!
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	! !	! !	! !	! !	! !	! !	! !	! !
QUALIF STATUS: QUALIFIED	! !	! !	! !	! !	! !	! !	! !	! !
				REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO QTR 107 REV 0				! REVISION NO.-01
								! PREPARER:BM 07/30/82 DATE
								! CHECKER :SKS 07/30/82 DATE
								! SYSTEM:COMPONENT COOLING WATER
								! QDEF SHEET NO.-1092

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	30DAYS IN LOCA ENV.	FSAR TABLE	REF (1) P. 3-2	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT:	SOLENOID				3.11-2	SEC 3.2.7				
PLANT NUMBER:	2CC-F156B1	TEMPERATURE	148 DEGF	346DEGF PEAK	HVAC TEMP. MAP DWG G-145	REF (1) P. 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: 4 YRS COMPS. REPLACEMENT REF(1) APP. I SEC 3.2.3.13	
MANUFACTURER:	ASCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER:	NP831655E	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
SERVICE DESCRIPTION:	FAN COOLERS SOL OPER CCW ISO VA									
FUNCTION:	AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED:	N/A	RADIATION	64,000 RADS	200 MRADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) P. 4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.:	N/A									
LOCATION:	AUX BUILDING	AGING	40 YRS.+ 1 YR	268 F FOR 12 DAYS EQ TO 4.4 YRS	FSAR SEC 3.11.1	REF (1) APP A P 9-384	TYPE TEST			
ELEVATION:	-4.0 FT.		ACCIDENT	104F						
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	N-4A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-1								
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		REFERENCES: (1)ASCO TEST REPORT # AQS 21678/TR REV A JULY 1979								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED										CHECKER : SKS 07/30/82 DATE
										SYSTEM: COMPONENT COOLING WATER
										QDEF SHEET NO. -1093

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	1400 HOURS	FSAR TABLE	REF. (1) P.4-18	TYPE	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH				3.11-2		ENG. EVAL.		
PLANT NUMBER: 2CC-F157B2	TEMPERATURE	148 DEGF	1248 DEGF	HVAC TEMP MAP DWG G-145	REF. (1) P.4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	110 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 170-42302	RELATIVE HUMIDITY	120-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: FAN COOLERS SOL OPER CCW ISO VA								
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	1204 MRADS	RADIATION MAPS ZONE -FF DWG G-145!	REF. (1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	140 YRS.+ 1 YR.	1400HRS AT 120C EQUIV	FSAR SEC 3.11.1	REF. (1) P 4-27	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	ACCIDENT		TO 20 YRS AT 104F		(FIG.14) P 10-62			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOR LEVEL: N/A								
COORDINATES: N-10AZ	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH	ANALYSIS M-3							PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED					REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO QTR 107 REV 0			SYSTEM: COMPONENT COOLING WATER QDEF SHEET NO. -1094

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
SYSTEM:	COMPONENT	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
	COOLING WATER	OPERATING TIME	120 DAYS	1400 HOURS	FSAR TABLE	REF (1) P. 4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT:	LIMIT SWITCH				3.11-2		ENG. EVAL.		
PLANT NUMBER:	3CC-F130 A	TEMPERATURE	150 DEGF	1248 DEGF	HVAC TEMP MAPS	REF (1) P. 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER:	NAMCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1)PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER:	EA 170-41302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
SERVICE DESCRIPTION:	CCW OUTLET VLV FROM SD HX A	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION:	AM	RADIATION	64,000 RADS	1204 M RADS	RADIATION MAPS	REF (1) P. 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY SPECIFIED:	N/A	AGING	40 YRS + 1 YEAR	1400 HRS AT 120C EQUIV TO 20 YRS.	FSAR SEC	REF (1) P. 4-27	TYPE TEST		
ACCURACY DEMONS.:	N/A	ELEVATION:	-35.0 FT.	AT 104F	3.11.1	(FIG. 14) P. 10-62			
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL:	N/A	INDEX FOR INCONSISTENCY!							
COORDINATES:	J-12A	ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH		ANALYSIS M-3							
EQUIPMENT EXEMPT FROM QUALIFICATION:NO									
QUALIF STATUS: QUALIFIED									
					REFERENCES:				
					(1) NAMCO QUALIFICATION OF EA170-XX302 REPORT # QTR 107 REV 0				
							REVISION NO. -01		
							PREPARER: BM 07/30/82 DATE		
							CHECKER :SKS 07/30/82 DATE		
							SYSTEM:COMPONENT COOLING WATER		
							QDEF SHEET NO. -1095		

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES
PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	ANALYZED			
SYSTEM: COMPONENT	COOLING WATER	OPERATING TIME	120 DAYS	1400 HOURS	FSAR TABLE	REF. (1) P.4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH					3.11-2		ENG. EVAL.		
PLANT NUMBER: 2CC-F157B2		TEMPERATURE	1148 DEGF	1248 DEGF	HVAC TEMP MAPS	REF. (1) P.4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO		PRESSURE	110 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1) PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 170-41302		RELATIVE HUMIDITY	120-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
SERVICE DESCRIPTION: FAN COOLERS SOL OPER CCW ISO VA					3.11-1				
FUNCTION: A.M		CHEMICAL SPRAY	1N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A		RADIATION	164,000 RADS	1204 M RADS	RADIATION MAPS	REF. (1) P.10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A					ZONE-FF DWG G-145				
LOCATION: AUX BUILDING		AGING	140 YRS + 1 YEAR	1400 HRS AT 120C EQUIV	FSAR SEC	REF. (1) P.4-27	TYPE TEST		
ELEVATION: -4.0 FT.		ACCIDENT	1ACCIDENT	1TO 20 YRS. 1AT 104F	3.11.1	1(FIG. 14) 1P 10-62			
FLOOD LEVEL EL: N/A FEET		SUBMERGENCE	1N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A									
COORDINATES: N-10AZ		INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE! OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS HARSH		(IF REQUIRED)							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		ANALYSIS M-3	O						PREPARER: BM 07/30/82
QUALIF STATUS: QUALIFIED			T						DATE
			P						CHECKER : SKS 07/30/82
			H		REFERENCES: (1) NAMCO QUALIFICATION OF				DATE
			C		EA170-XX 302 REPORT # QTR 107				
			R		REV. 0				SYSTEM: COMPONENT
			A						COOLING WATER
			S						QDEF SHEET NO. -1096

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV.	FSAR TABLE 3.11-2	REF (1) P. 3-2 SEC 3.2.7	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS
PLANT NUMBER:	2CC-F157B2	TEMPERATURE	148 DEGF	346F PEAK	HVAC TEMP MAPS DWG: G-145	REF (1) P. 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13
MANUFACTURER:	ASCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT
MODEL AND SERIAL NUMBER:	NP 831655E	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION:	FAN COOLERS SOL OPER CCW ISO VA	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED:	N/A	RADIATION	64,000 RADS	200 M RADS	RADIATION MAPS ZONE-FF DWG G-145	REF (1) P. 4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.:	N/A	AGING	140 YRS + 1 YEAR	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC 3.11.1	REF (1) APP A P 9-384	TYPE TEST		
LOCATION:	AUX BUILDING	SUBMERGENCE	N/R	-	-	-	-		
ELEVATION:	-4.0 FT.	INDEX FOR INCONSISTENCY!							
FLOOD LEVEL EL:	N/A FEET	ANALYSIS IN WORKFILE (IF REQUIRED)							
ABOVE FLOOD LEVEL:	N/A	ANALYSIS M-1							
COORDINATES:	N-10AZ	OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS HARSH		REFERENCES:			(1)ASCO TEST REPORT # AQS 21678/TR REV A JULY 1979				REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER : SKS 07/30/82 DATE
									SYSTEM: COMPONENT COOLING WATER
									QDEF SHEET NO.-1097

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE	REF. (1) P.4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH				3.11-2		ENG. EVAL.		
PLANT NUMBER: 2CC-F158A1	TEMPERATURE	148 DEGF	248 DEGF	HVAC TEMP MAPS DWG NO: G-145	REF. (1) P.4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 170-42302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: FAN COOLERS SOL OPER CCW ISO VA	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: A.M	RADIATION	64,000 RADS	204 MRADS	RADIATION MAPS ZONE-FF DWG G-145!	REF. (1) P.10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY SPECIFIED: N/A	AGING	40 YRS + 1 YEAR	400 HRS AT 120C EQUIV TO 20 YRS. AT 104F	FSAR SEC 3.11.1	REF. (1) P 4-27 (FIG. 14) P 10-62	TYPE TEST		
ACCURACY DEMONS.: N/A	SUBMERGENCE	N/R	-	-	-	-		
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
FLOOD LEVEL EL: N/A FEET	ANALYSIS M-3							REVISION NO. -01
ABOVE FLOOD LEVEL: N/A								PREPARER: BM 07/30/82 DATE
COORDINATES: M-4A								CHECKER :SKS 07/30/82 DATE
ENVIRON'T IS HARSH								
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								
QUALIF STATUS: QUALIFIED								
								REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX 302 REPORT NO. QTR 107 REV. 0
								SYSTEM: COMPONENT COOLING WATER
								QDEF SHEET NO. -1098

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: MAIN STEAM	OPERATING TIME	!!120 DAYS	!30 DAYS !IN LOCA	! FSAR ! TABLE	! REF (1) ! P 10	! TYPE ! TEST +	!	! QUALIFIED ! LIFE IS:
COMPONENT: MOTOR OPERATOR		!!	!ENV	! 3.11-2	! FIGURE 1 ! AND REF(2)	! ENG. ! EVAL.	!	! 40+1 YR ACC.
PLANT NUMBER: 3MS-V684	TEMPERATURE	!!150 DEG F	!250 DEG F !PEAK	! HVAC ! TEMP MAPS	! REF. (1) ! P.10	! TYPE ! TEST	!	! MAINTENANCE / ! REPLACEMENT SCHD: ! APP. A TO ! LIMITORQUE ! REPORT #
MANUFACTURER: LIMITORQUE	PRESSURE	!!0 PSIG	!SEE NOTE !(1)	! FSAR ! TABLE	! SEE NOTE !(1)	! -	!	! BOO58 REF(1)
MODEL AND SERIAL NUMBER: SMB-000-5	RELATIVE HUMIDITY	!!20-90%	!SEE NOTE !(1)	! FSAR TABLE	! SEE NOTE !(1)	! -	!	! (1)PRESSURE AND ! HUMIDITY ARE NOT ! CONSIDERED ! SIGNIFICANT ! PARAMETERS FOR ! EVALUATION
SERVICE DESCRIPTION: EFWP TURB STEAM NORMAL MO DR VA	CHEMICAL SPRAY	!!N/R	!-	! -	! -	! -	!	!
ACCURACY SPECIFIED: N/A	RADIATION	!! 800,000 RADS	!20 M RADS	! RADIATION ! MAPS	! REF (1) ! P 8	! TYPE ! TEST	!	! EBASCO FILE NO: ! EQ-ME-5
ACCURACY DEMONS.: N/A	AGING	!!N/R	!-	! -	! -	! -	!	!
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	SUBMERGENCE	!!N/R	!-	! -	! -	! -	!	!
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
COORDINATES: L-5A	OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS HARSH	REFERENCES:							
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	(1)LIMITORQUE CORP.REPORT # BOO03:APPENDIX D TO REPORT							
QUALIF STATUS: QUALIFIED	# BOO58							
	(2)LIMITORQUE CORP.REPORT # BOO58 PARAGRAPH 3.2.1.3							
	REVISION NO. -01							
	PREPARER: BM 07/30/82							
	DATE							
	CHECKER :SKS 07/30/82							
	DATE							
	SYSTEM: MAIN STEAM							
	QDEF SHEET NO. -1099							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: MAIN STEAM	! OPERATING TIME	!! 120 DAYS	! 30 DAYS IN ! ! LOCA	! FSAR ! ! TABLE	! REF (1) ! ! P 10	! TYPE ! ! TEST + !	!	! QUALIFIED ! ! LIFE IS: ! ! 40+1 YR ACC. !
COMPONENT: MOTOR OPERATOR	!	!!	! ENV !	! 3.11-2 !	! FIGURE 1 ! ! AND REF(2) !	! ENG. ! ! EVAL. !	!	!
PLANT NUMBER: 3MS-V685	! TEMPERATURE	!! 150 DEG F	! 250 DEG F ! ! PEAK	! HVAC ! ! TEMP MAPS ! ! DWG: ! ! G-137	! REF. (1) ! ! P. 10	! TYPE ! ! TEST !	!	! MAINTENANCE / ! ! REPLACEMENT SCHD: ! ! APP. A TO ! ! LIMITORQUE ! ! REPORT # ! ! BO058 REF(1) !
MANUFACTURER: LIMITORQUE	! PRESSURE	!! 0 PSIG	! SEE NOTE ! ! (1)	! FSAR ! ! TABLE ! ! 3.11-1	! SEE NOTE ! ! (1)	! - !	!	!
MODEL AND SERIAL NUMBER: SMB-000-5	! RELATIVE HUMIDITY	!! 20-90%	! SEE NOTE ! ! (1)	! FSAR TABLE !	! SEE NOTE ! ! (1)	! - !	!	! SIGNIFICANT ! ! PARAMETERS FOR ! ! EVALUATION !
SERVICE DESCRIPTION: EFWP TURB STEAM EMERG. MO DR VA	!	!!	!	! 3.11-1 !	!	!	!	!
FUNCTION: AM	! CHEMICAL SPRAY	!! N/R	! - !	! - !	! - !	! - !	!	!
ACCURACY SPECIFIED: N/A	! RADIATION	!! 800,000 RADS	! 20 M RADS !	! RADIATION ! ! MAPS ! ! ZONE-C ! ! DWG G-137!	! REF (1) ! ! P 8	! TYPE ! ! TEST !	!	! EBASCO FILE NO: ! ! EQ-ME-5 !
ACCURACY DEMONS.: N/A	! AGING	!! N/R	! - !	! - !	! - !	! - !	!	!
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	!	!!	!	!	!	!	!	!
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	! SUBMERGENCE	!! N/R	! - !	! - !	! - !	! - !	!	!
COORDINATES: L-5A	! INDEX FOR INCONSISTENCY ! ! ANALYSIS IN WORKFILE ! ! (IF REQUIRED) !			! OTHER EQUIPMENT THIS QDEF APPLIES TO: !			!	!
ENVIRON'T IS HARSH	!	!	!	!	!	!	!	! REVISION NO. -01 !
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	!	!	!	!	!	!	!	! PREPARER: BM 07/30/82 ! ! DATE !
QUALIF STATUS: QUALIFIED	!	!	!	!	!	!	!	! CHECKER : SKS 07/30/82 ! ! DATE !
	!	!	!	!	!	!	!	! SYSTEM: MAIN STEAM !
	!	!	!	!	!	!	!	! QDEF SHEET NO. -1100 !

REFERENCES: (1)LIMITORQUE CORP REPORT # BO003: APPENDIX D TO REPORT # BO058 (2)LIMITORQUE CORP REPORT BO058 PARAGRAPH 3.2.1.3

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: NITROGEN GAS	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 10-14 FIG 3	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 20 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 2NG-F604	TEMPERATURE	148 DEGF	1346 DEGF PEAK	HVAC TEMP MAPS DWG: G-145	REF (1) P 10-5&14 FIG.3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA 189-90051 REF(1)P.4-3
MANUFACTURER: NAMCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESS AND HUMIDITY ARE NOT CONSIDERED
MODEL AND SERIAL NUMBER: EA 180-31302	RELATIVE HUMIDITY	20-90 %	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		SIGNIFICANT PARAMETERS FOR EVALUATION.
SERVICE DESCRIPTION: CONT ISO VLV	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: A M								
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	204 M RADS	RADIATION MAPS ZONE-FF DWG G-145	REF(1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A	AGING	40 YEARS	400 HRS AT 1248F EQUIV TO 20 YRS AT 104F	FSAR SEC 3.11.1	REF (1) P 10-6 (FIG.8) P4-12	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A								
COORDINATES: M-5A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-2			REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO.QTR 105 REV 1				PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER : SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								SYSTEM: NITROGEN GAS
								QDEF SHEET NO.-1101

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: NITROGEN GAS	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENV.	FSAR TABLE	REF (1) P. 3-2	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID				3.11-2	SEC 3.2.7				
PLANT NUMBER: 2NG-F604	TEMPERATURE	148 DEGF	1346 DEGF PEAK	HVAC TEMP MAPS DWG: G-145	REF (1) P. 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF (1) APP. I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1) PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: NP 8321A1E	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
SERVICE DESCRIPTION: CONT ISO VLV				3.11-1					
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	1200 M RADS	RADIATION MAPS ZONE-FF DWG G-145	REF (1) P. 4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	40 YEARS	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC	REF (1) APP A P. 9-384	TYPE TEST			
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: M-5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-1								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER: SKS 07/30/82 DATE
	REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV A JULY 1979								SYSTEM: NITROGEN GAS
									QDEF SHEET NO.-1102

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: NITROGEN GAS	! OPERATING TIME	!! 120 DAYS	! 14 DAYS IN LOCA ENV	! FSAR TABLE	! REF (1) P 27	! TYPE TEST +	! YES	! QUALIFIED LIFE IS: 5 YEARS
COMPONENT: SOLENOID VA W/ LIMIT SWITCHES	!	!!	!	!	! SEC 4.4.6	! ENG EVAL	!	!
PLANT NUMBER: 3NG-E671-1	! TEMPERATURE	!! 120 DEG F	! 135 DEG F PEAK	! HVAC TEMP DWG: G-135	! REF (1) P 26	! TYPE TEST	!	! MAINTENANCE / REPLACEMENT SCHD: REPORT 3201A PARAGRAPH 2 PAGE 2 OF 10
MANUFACTURER: TARGET ROCK	! PRESSURE	!! 0 PSIG	! SEE NOTE (1)	! FSAR TABLE	! SEE NOTE (1)	! -	!	!
MODEL AND SERIAL NUMBER: 81B-003	!	!!	!	!	!	!	!	! (1) PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: ACCUMULATOR	! RELATIVE HUMIDITY	!! 20-90%	! SEE NOTE (1)	! FSAR TABLE	! SEE NOTE (1)	! -	!	!
FUNCTION: A M	! CHEMICAL SPRAY	!! N/R	! -	!	!	!	!	!
ACCURACY SPECIFIED: N/A	! RADIATION	!! 2300 RADS	! SEE NOTE (1)	! RADIATION MAPS	! SEE NOTE (1)	! -	!	! EBASCO FILE NO: EQ-ME-3
ACCURACY DEMONS.: N/A	!	!!	!	! ZONES N&O DWG G-135	!	!	!	!
LOCATION: AUX BUILDING ELEVATION: +21.0 FT.	! AGING	!! 40 YEARS + 1 YR	! 350F FOR 1792 HRS	! FSAR SEC 3.11.1	! REF (1) P 23	! TYPE TEST	!	!
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	! SUBMERGENCE	!! N/R	! -	!	!	!	!	!
COORDINATES: K-2A	! INDEX FOR INCONSISTENCY!						!	!
ENVIRON'T IS HARSH	! ANALYSIS IN WORKFILE (IF REQUIRED)						!	! OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	! ANALYSIS M-8						!	! 3NG-E671-2, 3NG-E671-3, 3NG-E671-4, 3NG-E671-5, 3NG-E671-6, 3NG-E671-7, 3NG-E671-8
QUALIF STATUS: QUALIFIED	!						!	! REFERENCES: (1) TARGET ROCK REPORT 2375 REV. E-APPENDIX B OF REPORT 3201A DATED 10/05/81
	!						!	! PREPARER: BM 07/30/82 DATE
	!						!	! CHECKER :SKS 07/30/82 DATE
	!						!	! SYSTEM: NITROGEN GAS
	!						!	! QDEF SHEET NO. -1103

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: INSTRUMENT AIR	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 10-14	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 20 YEARS
COMPONENT: LIMIT SWITCH	TEMPERATURE	148 F	346 F PEAK	HVAC TEMP MAPS DWG: G-145	REF (1) P 10-5&14	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3
MODEL AND SERIAL NUMBER: EA180-21302	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: CONT ISO VLV	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	64000 RADS	204 MRADS	RADIATION MAPS ZONE-FF DWG G-145!	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A	AGING	40 YEARS	400 HRS AT 248F EQUIV TO 20 YRS AT 104F	FSAR SEC 3.11.1	REF (1) P 10-6 (FIG. 8)	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	INDEX FOR INCONSISTENCY!							
COORDINATES: M-10A	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-2			REFERENCES: (1)NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO.QTR 105 REV 1.				PREPARER:BM 07/30/82 DATE CHECKER :SKS 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO QUALIF STATUS: QUALIFIED								SYSTEM:INSTRUMENT AIR QDEF SHEET NO.-1104

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: INSTRUMENT AIR	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV.	FSAR TABLE	REF (1) P. 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID				3.11-2	SEC 3.2.7	ENG. EVAL.		
PLANT NUMBER: 2IA-FG01 A/B	TEMPERATURE	148 F	346 F PEAK	HVAC TEMP MAPS DWG: G-145	REF (1) P. 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP I SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESS AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: HV 2068323F	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: CONT ISO VLV	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	64000 RADS	200 M RADS	RADIATION MAPS ZONE-FF DWG G-145	REF (1) P. 4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A	AGING	140 YEARS + 1 YR.	268F FOR 12 DAYS EQ	FSAR SEC 3.11.1	REF (1) APP A P.9-3 & 4	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	ACCIDENT		4.4 YRS AT 140F					
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: M-10A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS ODEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH	ANALYSIS M-1		O!					PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO			T!					CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED			P!					
			H!	REFERENCES: (1)ASCO TEST REPORT # AQS21678/TR REV A JULY 1979				
			C!					
			R!					SYSTEM: INSTRUMENT AIR
			A!					ODEF SHEET NO. -1105
			S!					

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	REACTOR COOLANT	OPERATING TIME	30 DAYS	14 DAYS IN LOCA ENV	J. TSU MEMO DATED 7-15-82	REF (1) P 27 SEC 4.4.6	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT:	SOLENOID VA W/ LIMIT SWITCHES									
PLANT NUMBER:	2RC-E2557A	TEMPERATURE	350 F PEAK	385 F PEAK	MSLB ANALYSIS REF. (2) PG 9 OF 13	REF (1) P 26 SEC 4.4.2	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: REPORT 3201A PARAGRAPH 2 PAGE 2 OF 10	
MANUFACTURER:	TARGET ROCK	PRESSURE	44 PSIG PEAK	66 PSIG PEAK	COMPOSITE LOCA-MSLB PROFILE	REF (1) P 26 SEC 4.4.2	TYPE TEST			
MODEL AND SERIAL NUMBER:	81B-002	RELATIVE HUMIDITY	100 %	95%	FSAR TABLE	REF (1) P 23 SEC 4.2	TYPE TEST			
SERVICE DESCRIPTION:	REACTOR COOLANT GAS VENTING				3.11-1	SEC 4.2				
FUNCTION:	AM	CHEMICAL SPRAY	PH 5.0-9.0 BORON 1750 TO 2150PPM	PH 8.6 TO 10 BORON 6200 PPM	FSAR TABLE 3.11-1	REF (1) P 26 SEC 4.4.2	TYPE TEST			
ACCURACY SPECIFIED:	N/A	RADIATION	28 M RADS	100 M RADS	RADIATION MAPS ZONE-BB DWG G-146	REF (1) P 89	TYPE TEST		EBASCO FILE NO: EQ-ME-3	
ACCURACY DEMONS.:	N/A									
LOCATION: CONT BUILDING ELEVATION:	+62.0 FT.	AGING	140 YEARS + 1 YEAR ACCIDENT	350F FOR 792 HOURS	FSAR SEC 3.11.1	REF (1) P 23 SEC 4.1.1	TYPE TEST			
FLOOD LEVEL EL: +0.5 FEET		SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL:	YES									
COORDINATES: S-W		INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		ANALYSIS M-8								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO										REVISION NO.-01
QUALIF STATUS: QUALIFIED										PREPARER: BM 07/30/82 DATE
										CHECKER: SKS 07/30/82 DATE
										REFERENCES: (1)TARGET ROCK REPORT 2375 REV.E - APPENDIX B OF REPORT 3201A DATED 10/05/81 (2)TARGET ROCK REPORT 3201A DATED 10/05/81
										SYSTEM: REACTOR COOLANT
										QDEF SHEET NO.-1106

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF	SPEC.	QUALIF.				
SYSTEM:	REACTOR COOLANT	OPERATING TIME	30 DAYS	14 DAYS IN LOCA ENV	J. TSU MEMO DATED 7-15-82	REF (1) P 27 SEC 4.4.6	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT:	SOLENOID VA W/ LIMIT SWITCHES									
PLANT NUMBER:	2RC-E2559A	TEMPERATURE	350 F PEAK	385 F PEAK	MSLB ANALYSIS (2) PG 9 OF 13!	REF (1) P 26 SEC 4.4.2	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: REPORT 3201A PARAGRAPH 2 PAGE 2 OF 10	
MANUFACTURER:	TARGET ROCK	PRESSURE	144 PSIG PEAK	166 PSIG PEAK	COMPOSITE LOCA-MSLB PROFILE	REF (1) P 26 SEC 4.4.2	TYPE TEST			
MODEL AND SERIAL NUMBER:	81B-002	RELATIVE HUMIDITY	100 %	95%	FSAR TABLE	REF (1) P 23 SEC 4.2	TYPE TEST			
SERVICE DESCRIPTION:	REACTOR COOLANT GAS VENTING									
FUNCTION:	AM	CHEMICAL SPRAY	PH 5.0-9.0 BORON 1750 TO 2150 PPM	PH 8.6 TO 10 BORON 16200 PPM	FSAR TABLE	REF (1) P 26 SEC 4.4.2	TYPE TEST			
ACCURACY SPECIFIED:	N/A	RADIATION	28 M RADS	100 M RADS	RADIATION MAPS ZONE-BB DWG G-146!	REF (1) P 89	TYPE TEST		EPASCO FILE NO: EQ-ME-3	
ACCURACY DEMONS.:	N/A	AGING	40 YRS + 1 YR. ACC.	350 F FOR 792 HRS	FSAR	REF (1) P 23 SEC 3.11.1	TYPE TEST			
LOCATION:	CONT. BUILDING									
ELEVATION:	+62.0 FT.									
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL:	YES									
COORDINATES:	S-W	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		ANALYSIS M-8	O	T	P	H	C		PREPARER: BM 07/30/82 DATE	
QUALIF STATUS: QUALIFIED			H	C	R	A	S		CHECKER : SKS 07/30/82 DATE	
					REFERENCES:	(1) TARGET ROCK REPORT 2375 REV. E - APPENDIX B OF REPORT 3201A DATED 10/05/81			SYSTEM: REACTOR COOLANT	
						(2) TARGET ROCK REPORT 3201A DATED 10/05/81			QDEF SHEET NO. -1108	

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	REACTOR COOLANT	OPERATING TIME	30 DAYS	14 DAYS IN LOCA ENV	J. TSU MEMO DATED 7-15-82	REF (1) P 27 SEC 4.4.6	TYPE TEST + ENG. EVAL.	YES QUALIFIED L ^T E IS: 5 YEARS	
COMPONENT:	SOLENOID VA W/ LIMIT SWITCHES								
PLANT NUMBER:	2RC-E2560B	TEMPERATURE	350 F	385 F	MSLB ANALYSIS REF (2) PG 9 OF 13	REF (1) P 26 SEC 4.4.2	TYPE TEST	MAINTENANCE / REPLACEMENT SCHD: REPORT 3201A PARAGRAPH 2 PAGE 2 OF 10	
MANUFACTURER:	TARGET ROCK	PRESSURE	44 PSIG	66 PSIG	COMPOSITE LOCA-MSLB PROFILE	REF (1) P 26 SEC 4.4.2	TYPE TEST		
MODEL AND SERIAL NUMBER:	81B-002	RELATIVE HUMIDITY	100 %	95%	FSAR TABLE	REF (1) P 23 SEC 4.2	TYPE TEST		
SERVICE DESCRIPTION:	REACTOR COOLANT GAS VENTING				3.11-1	SEC 4.2			
FUNCTION:	AM	CHEMICAL SPRAY	PH 5.0-9.0 BORON 1750 TO 2150 PPM	PH 8.6 TO 10 BORON 6200 PPM	FSAR TABLE 3.11-1	REF (1) P 26 SEC 4.4.2	TYPE TEST		
ACCURACY SPECIF	N/A	RADIATION	28 M RADS	100 M RADS	RADIATION MAPS ZONE-BB DWG G-146	REF (1) P 89	TYPE TEST	EBASCO FILE NO: EQ-ME-3	
ACCURACY DEMONS.:	N/A	AGING	40YRS + 1 YR. ACC.	350 F FOR 792 HRS	FSAR SEC 3.11.1	REF (1) P 23 SEC 4.1.1	TYPE TEST		
LOCATION:	CONT. BUILDING								
ELEVATION:	+62.0 FT.								
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL:	YES								
COORDINATES:	S-W	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-8							
ENVIRONMENT IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO	REFERENCES: (1)TARGET ROCK REPORT 2375 REV.E - APPENDIX B OF REPORT 3201A DATED 10/05/81 (2)TARGET ROCK REPORT 3201A DATED 10/05/81							PREPARER: BM 07/30/82 DATE CHECKER: SKS 07/30/82 DATE
QUALIF STATUS:	QUALIFIED								SYSTEM: REACTOR COOLANT QDEF SHEET NO.-1109

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	REACTOR COOLANT	OPERATING TIME	30 DAYS	14 DAYS IN LOCA ENV	J. TSU MEMO DATED 7-15-82	REF (1) P 27 SEC 4.4.3	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT:	SOLENOID VA W/ LIMIT SWITCHES									
PLANT NUMBER:	2RC-E2561A	TEMPERATURE PEAK	1350 DEGF	1385 DEGF PEAK	MSLB ANALYSIS REF (2) PG 9 OF 13	REF (1) P 26 SEC 4.4.2	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: REPORT 3201A PARAGRAPH 2 PAGE 2 OF 10	
MANUFACTURER:	TARGET ROCK	PRESSURE PEAK	144 PSIG	166 PSIG PEAK	COMPOSITE LOCA-MSLB PROFILE	REF (1) P 26 SEC 4.4.2	TYPE TEST			
MODEL AND SERIAL NUMBER:	81B-002	RELATIVE HUMIDITY	100%	95%	FSAR TABLE 3.11-1	REF (1) P 23 SEC 4.2	TYPE TEST			
SERVICE DESCRIPTION:	REACTOR COOLANT GAS VENTING									
FUNCTION:	AM	CHEMICAL SPRAY	PH 5.0-9.0 BORON 1750 TO 2150PPM	PH 8.6-10 BORON 6200 PPM	FSAR TABLE 3.11-1	REF (1) P 26 SEC 4.4.2	TYPE TEST			
ACCURACY SPECIFIED:	N/A	RADIATION	28M RADS	100 M RADS	RADIATION MAPS ZONE-BB DWG G-146	REF (1) P 89	TYPE TEST		EBASCO FILE NO: EQ-ME-3	
ACCURACY DEMONS.:	N/A	AGING	140 YEARS + 1 YR.	1350F FOR 792 HRS	FSAR SEC 3.11.1	REF (1) P 23 SEC 4.1.1	TYPE TEST			
LOCATION:	CONT. BUILDING	ACCIDENT								
ELEVATION:	+62.0 FT.									
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	N/R							
ABOVE FLOOD LEVEL:	YES									
COORDINATES:	S-W	INDEX FOR INCONSISTENCY!								
ENVIRON'T IS HARSH		ANALYSIS IN WORKFILE (IF REQUIRED)								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		ANALYSIS M-8								REFERENCES: (1)TARGET ROCK REPORT 2375 REV. E - APPENDIX B OF REPORT 3201A DATED 10/05/81 (2)TARGET ROCK REPORT 3201A DATED 10/05/81
QUALIF STATUS: QUALIFIED										REVISION NO.-01 PREPARER:BM 07/30/82 DATE CHECKER :SKS 07/30/82 DATE SYSTEM:REACTOR COOLANT QDEF SHEET NO.-1110

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY		
							ANALYZED			
SYSTEM:	REACTOR COOLANT	OPERATING TIME	!! 30 DAYS	!! 14 DAYS IN LOCA ENV	J. TSU MEMO DATED 7-15-82	REF (1) P 27	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT:	SOLENOID VA W/ LIMIT SWITCHES					SEC 4.4.6				
PLANT NUMBER:	2RC-E2562B	TEMPERATURE	!! 350 DEGF	!! 385 DEGF	MSLB ANALYSIS REF (2) PG 9 OF 13!	REF (1) P 26	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: REPORT 3201A PARAGRAPH 2 PAGE 2 OF 10	
MANUFACTURER:	TARGET ROCK	PRESSURE	!! 44 PSIG	!! 66 PSIG	COMPOSITE LOCA-MSLB PROFILE	REF (1) P 26	TYPE TEST			
MODEL AND SERIAL NUMBER:	81B-002					SEC 4.4.2				
SERVICE DESCRIPTION:	REACTOR COOLANT GAS VENTING	RELATIVE HUMIDITY	!! 100%	!! 95%	FSAR TABLE 3.11-1	REF (1) P 23	TYPE TEST			
FUNCTION:	AM	CHEMICAL SPRAY	!! PH 5.0-9.0	!! PH 8.6-10	FSAR TABLE 3.11-1	REF (1) P 26	TYPE TEST			
ACCURACY SPECIFIED:	N/A					SEC 4.4.2				
ACCURACY DEMONS.:	N/A	RADIATION	!! 28 M RADS	!! 100 M RADS	RADIATION MAPS ZONE-BB DWG G-146!	REF (1) P 89	TYPE TEST		EBASCO FILE NO: EQ-ME-3	
LOCATION:	CONT. BUILDING	AGING	!! 40 YEARS	!! 350F FOR 792 HRS	FSAR SEC 3.11.1	REF (1) P 23	TYPE TEST			
ELEVATION:	+62.0 FT.		!! ACCIDENT			SEC 4.1.1				
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	!! N/R	!! -						
ABOVE FLOOD LEVEL:	YES									
COORDINATES:	S-W	INDEX FOR INCONSISTENCY!								
ENVIRON'T IS HARSH		ANALYSIS IN WORKFILE (IF REQUIRED)								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO	ANALYSIS M-8								REFERENCES: (1)TARGET ROCK REPORT 2375 REV. E - APPENDIX B OF REPORT 3201A DATED 10/05/81 (2)TARGET ROCK REPORT 3201A DATED 10/05/81
QUALIF STATUS:	QUALIFIED									REVISION NO.-01 PREPARER:BM 07/30/82 DATE CHECKER :SKS 07/30/82 DATE SYSTEM:REACTOR COOLANT QDEF SHEET NO.-1111

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	1400 HOURS	FSAR TABLE	REF (1) P 4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH				3.11-2		ENG EVAL		
PLANT NUMBER: 2CC-F161B2	TEMPERATURE	148 F	248 F	HVAC TEMP MAP DWG: G-145	REF (1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P 4-17
MANUFACTURER: NAMCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA170-41302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
SERVICE DESCRIPTION: FAN COOLERS SOL OPR CCW ISO VLV				3.11-1				
FUNCTION: A.M.	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	164,000 RADS	204 M RADS	RAD MAPS ZONE: FF DWG NO: G-145	REF (1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	40 YEARS + 1 YEAR	400 HRS AT 20C EQUIV	FSAR SEC.	REF (1) P 4-27	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -4 FT.	ACCIDENT		10 20 YRS AT 104 F	3.11.1	(FIG. 14) P 10-62			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: N-10A2	INDEX FOR INCONSISTENCY!			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-3							PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED				REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPORT NO: QTR 107 REV.0				CHECKER :SKS 07/30/82 DATE
								SYSTEM: COMPONENT COOLING WATER QDEF SHEET NO.-1112

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT								
COOLING WATER	OPERATING TIME	120 DAYS	SEE NOTE (2)	FSAR TABLE	SEE NOTE (2)	-		QUALIFIED LIFE IS:
COMPONENT: I/P TRANSDUCER				3.11-2				
PLANT NUMBER: 3CC-TM169A/B	TEMPERATURE	145F	SEE NOTE (2)	HVAC TEMP MAP	SEE NOTE (2)	-		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: MASONELAN	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
MODEL AND SERIAL NUMBER: MNI 8005A	RELATIVE HUMIDITY	20%-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION.
SERVICE DESCRIPTION: TCV ON CCW RET FROM LETDWN HX.				3.11-1				(2)QUALIFICATION WILL BE ESTABLISHED AFTER THE REVIEW OF PROPOSED TEST RESULTS BEFORE FUEL LOADING.
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	10000 RADS	SEE NOTE (2)	RADIATION MAPS	SEE NOTE (2)	-		EBASCO FILE NO: EQ-ME-12
ACCURACY DEMONS.: N/A				ZONE-A DWG G-136				
LOCATION: AUX BUILDING	AGING	40 YRS PLUS 1 YR ACCIDENT	SEE NOTE (2)	FSAR SEC.3.11.1	SEE NOTE (2)	-		
ELEVATION: -4.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: K-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:							PREPARER: BM 07/30/82 DATE
QUALIF STATUS: PENDING TO PROPOSED QUALIFICATION TEST RESULTS.								CHECKER :SKS 07/30/82 DATE
								SYSTEM:COMPONENT COOLING WATER
								QDEF SHEET NO.-1113

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: AUX FW PUMP, ROOMS AIR COND	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC	
COMPONENT: FAN MOTOR					PG-10 OF WCAP-9112				
PLANT NUMBER: AH-17(3B-SB)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-137	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SECT.2.6.2 (PG-3) OF WCAP-9112	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT	
MODEL AND SERIAL NUMBER: TEFC FRAME 182T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		PARAMETERS FOR EVALUATION.THESE ARE NOT AFFECTED BY THE ACCIDENT	
SERVICE DESCRIPTION: AH-17(3B-SB)	CHEMICAL SPRAY	N/R						CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUTDOWN	
FUNCTION: AM								MODE OF OPERATION.	
ACCURACY SPECIFIED: N/A	RADIATION	1800,000 RADS	200 MRADS	RADIATION MAPS ZONE:C DWG. G-137	APPENDIX B OF WCAP-9112	TYPE TEST		(2) EBASCO FILE NO. EQ-HV-1	
ACCURACY DEMONS.: N/A	AGING	N/							
LOCATION: AUX BUILDING ELEVATION: -35 FT.									
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL:	SUBMERGENCE	N/R							
COORDINATES: K & 5A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
ENVIRON'T IS HARSH									
EQUIPMENT EXEMPT FROM QUALIFICATION:									PREPARER:EAB 07/30/82 DATE
QUALIF STATUS: QUALIFIED								REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IE MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)	CHECKER :HSP 07/30/82 DATE
									SYSTEM:AUX FW PUMP, ROOMS AIR COND
									QDEF SHEET NO.-1114

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: SHUTDOWN HT EXCHGR RM A/C	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: FAN MOTOR					PG-10 OF WCAP-9112			
PLANT NUMBER: AH- 3(3A-SA)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-137	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHER- IC	ATMOSPHER- IC	FSAR TABLE 3.11-1	SECT.2.6.2 (PG-3) OF WCAP-9112	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION.THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURNG NORMAL SHUTDOWN MODE OF OPERATION.
MODEL AND SERIAL NUMBER: TEFC FRAME 213T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC.2.10.7 (PG.9)OF WCAP-9112	TYPE TEST		(2) EBASCO FILE NO. EQ-HV-1
SERVICE DESCRIPTION: AH- 3(3A-SA)	CHEMICAL SPRAY	N/R						
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	6.7 MRADS	200 MRADS	RADIATION MAPS ZONE:T DWG. G-137	APPENDIX B OF WCAP-9112	TYPE TEST		
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING ELEVATION -35 FT.	AGING	N/R						
FLOOD LEVEL EL: N/A FEET	SUBMER- GENCE	N/R						
ABOVE FLOOD LEVEL:								
COORDINATES: J & 11A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: EAB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER :HSP 07/30/82 DATE
QUALIF STATUS: QUALIFIED	REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IE MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)							SYSTEM: SHUTDOWN HT EXCHGR RM A/C
								QDEF SHEET NO.-1115

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SHUTDOWN HT EXCHGR RM A/C	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: FAN MOTOR					PG-10 OF WCAP-9112			
PLANT NUMBER: AH- 3(3B-SB)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS	SEC. 2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHER- IC	ATMOSPHER- IC	FSAR TABLE 3.11-1	SECT. 2.6.2 (PG-3) OF WCAP-9112	TYPE TEST		
MODEL AND SERIAL NUMBER: TEFC FRAME 213T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC. 2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		(1) TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURNG NORMAL SHUTDOWN MODE OF OPERATION.
SERVICE DESCRIPTION: AH- 3(3A-SA)	CHEMICAL SPRAY	N/R						(2) EBASCO FILE NO. EQ-HV-1
ACCURACY SPECIFIED: N/A	RADIATION	6.7 MRADS	200 MRADS	RADIATION MAPS	APPENDIX B OF WCAP-9112	TYPE TEST		
ACCURACY DEMONS.: N/A	AGING	N/R						
LOCATION: AUX BUILDING ELEVATION: -35 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL:	SUBMERGENCE	N/R						
COORDINATES: J & 11A	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
ENVIRON'T IS HARSH								! REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:								! PREPARER: EAB 07/30/82
QUALIF STATUS: QUALIFIED								! DATE
								! CHECKER :HSP 07/30/82
								! DATE
								! SYSTEM: SHUTDOWN HT EXCHGR RM A/C
								! QDEF SHEET NO. -1116

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:								
COMPONENT: RESERVED FOR	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:
		!!	!	!	!	!	!	
PLANT NUMBER: FUTURE	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:
		!!	!	!	!	!	!	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!	
		!!	!	!	!	!	!	
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!	
		!!	!	!	!	!	!	
SERVICE DESCRIPTION:		!!	!	!	!	!	!	
FUNCTION:	CHEMICAL SPRAY	!!	!	!	!	!	!	
		!!	!	!	!	!	!	
ACCURACY SPECIFIED:	RADIATION	!!	!	!	!	!	!	
ACCURACY DEMONS.:		!!	!	!	!	!	!	
		!!	!	!	!	!	!	
LOCATION: BUILDING ELEVATION: FT.	AGING	!!	!	!	!	!	!	
		!!	!	!	!	!	!	
FLOOD LEVEL EL: FEET ABOVE FLOOD LEVEL:	SUBMERGENCE	!!	!	!	!	!	!	
		!!	!	!	!	!	!	
COORDINATES:	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:						!	!
ENVIRON'T IS	! (IF REQUIRED) !						!	! REVISION NO. -0
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS:	O! T! P! H! C! R! A! S!						!	! PREPARER: 07/30/82 ! DATE ! CHECKER : 07/30/82 ! DATE
	REFERENCES:						!	! SYSTEM: ! QDEF SHEET NO. -1117

EQUIPMENT DESCRIPTION	* ENVIRONMENT *			* DOCUMENTATION *		* QUALIFIC. * INCONSIS- *	* NOTES *
	* PARAMETER *	SPEC.	QUALIF.	* SPEC. *	QUALIF.	* METHOD * TENCY * ANALYZED *	
SYSTEM:	OPERATING TIME	!!	!	!	!	!	! QUALIFIED LIFE IS:
COMPONENT: FOR FUTURE		!!	!	!	!	!	
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	! MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	
SERVICE DESCRIPTION:	CHEMICAL SPRAY	!!	!	!	!	!	
FUNCTION:	RADIATION	!!	!	!	!	!	
ACCURACY SPECIFIED:	AGING	!!	!	!	!	!	
ACCURACY DEMONS.:		!!	!	!	!	!	
LOCATION: BUILDING		!!	!	!	!	!	
ELEVATION: FT.		!!	!	!	!	!	
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	
ABOVE FLOOD LEVEL:		!!	!	!	!	!	
COORDINATES:	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:					!	!
ENVIRON'T IS	! (IF REQUIRED) !					!	! REVISION NO.-0
EQUIPMENT EXEMPT FROM QUALIFICATION:	O! T! P! H! C! R! A! S!					!	! PREPARER: 07/30/82 ! DATE
QUALIF STATUS:	REFERENCES:					!	! CHECKER : 07/30/82 ! DATE
						!	! SYSTEM:
						!	! QDEF SHEET NO.-1118

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:	
COMPONENT: FOR FUTURE		!!	!	!	!	!	!		
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!		
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!		
SERVICE DESCRIPTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
FUNCTION:	RADIATION	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	AGING	!!	!	!	!	!	!		
ACCURACY DEMONS.:		!!	!	!	!	!	!		
LOCATION: BUILDING		!!	!	!	!	!	!		
ELEVATION: FT.		!!	!	!	!	!	!		
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!		
COORDINATES:	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO. -0
ENVIRON'T IS			O!					PREPARER: 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION:			T!					DATE	
QUALIF STATUS:			P!					CHECKER : 07/30/82	
			H!	REFERENCES:				DATE	
			C!						
			R!					SYSTEM:	
			A!						
			S!					QDEF SHEET NO. -1119	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:									
COMPONENT:	FOR FUTURE							QUALIFIED LIFE IS:	
PLANT NUMBER:	RESERVED	TEMPERATURE						MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	USE	PRESSURE							
MODEL AND SERIAL NUMBER:									
SERVICE DESCRIPTION:		RELATIVE HUMIDITY							
FUNCTION:		CHEMICAL SPRAY							
ACCURACY SPECIFIED:		RADIATION							
ACCURACY DEMONS.:									
LOCATION:	BUILDING	AGING							
ELEVATION:	FT.								
FLOOD LEVEL EL:	FEET	SUBMERGENCE							
ABOVE FLOOD LEVEL:									
COORDINATES:		INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS				OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -0	
EQUIPMENT EXEMPT FROM QUALIFICATION:								PREPARER: 07/30/82 DATE	
QUALIF STATUS:				REFERENCES:				CHECKER : 07/30/82 DATE	
								SYSTEM:	
								QDEF SHEET NO.-1120	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	REF (1)	CARR- IER ENGR. EVAL.		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: WATERCHILLER								
PLANT NUMBER: WC-1 (3C-SA/B)	TEMPERATURE	104 DEGF	104 DEGF	HVAC TEMP MAPS DWG NO: G-10	REF (1) & NOTE (1)			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: CARRIER	PRESSURE	ATMOSPHER- IC	ATMOSPHER- IC	FSAR TABLE 3.11-1	REF (1) & NOTE (1)			(1)TEMPERATURE PRESSURE AND HUM- IDITY ARE NOT CON- SIDERED SIGNIFICANT
MODEL AND SERIAL NUMBER: 19FA HERMETIC CENT.LIQ.CHILL	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	REF (1) & NOTE (1)			PARAMETERS FOR EVALUATION.THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURNG NORMAL SHUTDOWN MODE OF OPERATION.
SERVICE DESCRIPTION: CHILLED WATER SUP TO AH UNITS	CHEMICAL SPRAY	N/R						(2) EBASCO FILE NO. EQ-HV-8
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	900,000 RADS	1 MRADS	APP PHYS. MEMO DATED 8/24/81 FR TL YANG	REF (1) & (2)			
ACCURACY DEMONS.: N/A	AGING	N/R						
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL:	SUBMER- GENCE	N/R						
COORDINATES: K & 2A	INDEX FOR INCONSISTENCY!			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							PREPARER: EAB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER :AKB 07/30/82 DATE
QUALIF STATUS: CONDITIONALLY ACCEPTABLE				REFERENCES: (1) "CARRIER" CERTIFICATE OF COMPLIANCE DATED 3/10/80 (2) "CARRIER" LETTER DATED 10/7/81				SYSTEM:CHILLED WATER
								QDEF SHEET NO.-1121

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SFGD PUMP ROOMS AIR COND	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: FAN MOTOR					PG-10 OF WCAP-9112			
PLANT NUMBER: AH-21(3B-SB)	TEMPERATURE	104 DEGF	130 DEG C	HVAC TEMP MAPS	SECTION 2.10.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHER-IC	ATMOSPHER-IC	FSAR TABLE 3.11-1	SECTION 2.6.2	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT
MODEL AND SERIAL NUMBER: TEFC FRAME 213T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SECTION 2.10.7	TYPE TEST		PARAMETERS FOR EVALUATION.THESE ARE NOT AFFECTED BY THE ACCIDENT - CONDITION INSIDE
SERVICE DESCRIPTION: SERVING UNIT AH-21(3B-SB)	CHEMICAL SPRAY	N/R						THE CONTAINMENT ANYMORE THAN DURNG NORMAL SHUTDOWN MODE OF OPERATION.
FUNCTION: AM								(2) EBASCO FILE NO. EQ-HV-1
ACCURACY SPECIFIED: N/A	RADIATION	4.2 MRADS	200 MRADS	RADIATION MAPS	APPENDIX B OF WCAP-9112	TYPE TEST		
ACCURACY DEMONS.: N/A				ZONE:U DWG. G-137				
LOCATION: AUX BUILDING ELEVATION: -35 FT.	AGING	N/R						
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL:								
COORDINATES: J & 6A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE! OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS HARSH	(IF REQUIRED)							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:	O!							PREPARER: EAB 07/30/82
QUALIF STATUS: QUALIFIED	T!							DATE
	P!							CHECKER :HSP 07/30/82
	H!	REFERENCES: (1)WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS						DATE
	C!	IE MEDIUM A.C. MOTORS						SYSTEM: SFGD PUMP
	R!	(OUTSIDE CONTAINMENT)						ROOMS AIR COND
	A!							QDEF SHEET NO.-1122
	S!							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: CHRGING PUMPS ROOM AIR COND.	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC	
COMPONENT: FAN MOTOR					PG-10 OF WCAP-9112				
PLANT NUMBER: E-18(3A-SA)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-134	SECTION 2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHER- IC	ATMOSPHER- IC	FSAR TABLE 3.11-1	SECTION 2.6.2 (PG-3) OF WCAP-9112	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUM- IDITY ARE NOT CON- SIDERED SIGNIFICANT	
MODEL AND SERIAL NUMBER: TEFC FRAME 145T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SECTION 2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT	
SERVICE DESCRIPTION: SERVING UNIT E-18(3A-SA)	CHEMICAL SPRAY	N/R						CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURNG NORMAL SHUTDOWN MODE OF OPERATION.	
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	200 MRADS	RADIATION MAPS ZONE: M DWG. G-134	APPENDIX B OF WCAP-9112	TYPE TEST		(2) EBASCO FILE NO. EQ-HV-1	
ACCURACY DEMONS.: N/A	AGING	N/R							
LOCATION: AUX BUILDING ELEVATION: +46 FT.									
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL:	SUBMER- GENCE	N/R							
COORDINATES: L & 4A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:	REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IE MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)								PREPARER: EAB 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :HSP 07/30/82 DATE
									SYSTEM:CHRGING PUMPS ROOM AIR COND.
									QDEF SHEET NO.-1123

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: BORON MANAGEMENT	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF(1) P 10-14 FIG.3	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 20 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 28M-F109A/B	TEMPERATURE	40 DEGF	346 DEGF PEAK	HVAC TEMP MAPS DWG NO: G-145	REF(1) P 10-5814 FIG 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA189-90051 P&F(1) P.4-3
MANUFACTURER: NAMCO	PRESSURE	10 PSIG	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))	-		((1))PRESSURE & HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 180-15302	RELATIVE HUMIDITY	20-90 %	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))	-		
SERVICE DESCRIPTION: RDT STOP & ISOL VALVE	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: A.M								
ACCURACY SPECIFIED: N/A	RADIATION	52,000 RADS	204 M RADS	RAD MAPS ZONE:GG DWG NO: G-145	REF(1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A	AGING	140 YEARS PLUS 1YR. ACCIDENT	400 HRS AT 248F EQUIV TO 20 YRS. AT 104F	FSAR SEC 3.11.1	REF(1) P 10-6 (FIG 8) P 4-12	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A								
COORDINATES: M-6A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRONMENT IS HARSH	ANALYSIS M-2	O!						REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		T!						PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED		P!						CHECKER: SKS 07/30/82 DATE
		H!	REFERENCES: ((1))NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO. QTR 105 REV 1.					SYSTEM: BORON MANAGEMENT
		C!						QDEF SHEET NO.-1124
		R!						
		A!						
		S!						

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	BORON MANAGEMENT	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV.	FSAR TABLE 3.11-2	REF (1) P. 10-14	TYPE TEST +	YES	QUALIFIED LIFE IS: 20 YEARS	
COMPONENT:	LIMIT SWITCH					FIGURE 3	ENG. EVAL.			
PLANT NUMBER:	2BM-F109A/B	TEMPERATURE	140DEGF	346 DEGF PEAK	HVAC TEMP MAPS DWG NO: G-145	REF (1) P. 10-5&14	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3	
MANUFACTURER:	NAMCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE & HUMIDITY ARE NOT CONSIDERED SIGNIFICANT	
MODEL AND SERIAL NUMBER:	EA 180-14302	RELATIVE HUMIDITY	20-90 %	SEE NOTE (1)	IR TABLE 11-1	SEE NOTE (1)	-		PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION:	RDT STOP & ISOL VLV	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION:	AM									
ACCURACY SPECIFIED:	N/A	RADIATION	52,000 RADS	204 M RADS	RAD MAPS ZONE:GG DWG NO: G-145	REF (1) P. 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
ACCURACY DEMONS.:	N/A	AGING	140 YEARS PLUS 1 YEAR ACCIDENT	400 HRS AT 248F EQUIV TO 20 YRS AT 104F	FSAR SEC 3.11.1	REF (1) P. 10-6 (FIG. 8)	TYPE TEST			
LOCATION:	AUX BUILDING	SUBMERGENCE	N/R	-	-	-	-			
ELEVATION:	-35 FT.									
FLOOD LEVEL EL:	N/A FEET									
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	M-6A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		ANALYSIS M-2								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:NO										REFERENCES: (1)NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO. QTR 105 REV 1.
QUALIF STATUS: QUALIFIED										REVISION NO. -01
										PREPARER:BM 07/30/82 DATE
										CHECKER :SKS 07/30/82 DATE
										SYSTEM:BORON MANAGEMENT
										QDEF SHEET NO. -1125

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	BORON MANAGEMENT	! OPERATING TIME	!! 120 DAYS	! 30 DAYS ! IN LOCA	! FSAR ! TABLE	! REF (1) ! P. 3-2	! TYPE ! TEST +	! YES	! QUALIFIED LIFE IS. 4 YEARS	
COMPONENT:	SOLENOID	!	!!	! ENV.	! 3.11-2	! SEC 3.2.7	! ENG. ! EVAL.	!	!	
PLANT NUMBER:	2BM-F109A/B	! TEMPERATURE	!! 140 F	! 346 F ! PEAK	! HVAC TEMP ! MAP DWG G-145	! REF (1) ! P. 4-4 ! SEC 4.7	! TYPE ! TEST	!	! MAINTENANCE / REPLACEMENT SCHED: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13	
MANUFACTURER:	ASCO	! PRESSURE	!! 0 PSIG	! SEE NOTE ! (1)	! FSAR ! TABLE	! SEE NOTE ! (1)	! -	!	! (1) ! PRESSURE AND HUMIDITY ARE NOT CONSIDERED	
MODEL AND SERIAL NUMBER:	NP831655E	! RELATIVE HUMIDITY	!! 20-90%	! SEE NOTE ! (1)	! FSAR TABLE ! 3.11-1	! SEE NOTE ! (1)	! -	!	! SIGNIFICANT PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION:	RDT STOP & ISOL VLV	!	!!	!	!	!	!	!	!	
FUNCTION:	AM	! CHEMICAL SPRAY	!! N/R	! -	!	!	!	!	!	
ACCURACY SPECIFIED:	N/A	! RADIATION	!! 52,000 RADS	! 200 M RADS	! RADIATION ! MAPS ! ZONE -GG ! DWG G-145	! REF (1) ! P. 4-4 ! SEC 4.6	! TYPE ! TEST	!	! EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.:	N/A	!	!!	!	!	!	!	!	!	
LOCATION:	AUX BUILDING	! AGING	!! 40 YEARS ! PLUS	! 268F FOR ! 12 DAYS EQ ! TO 4.4 YRS	! FSAR ! SEC 3.11.1	! REF (1) ! APP A ! P. 9-384	! TYPE ! TEST	!	!	
ELEVATION:	-35.0 FT.	!	!! ACCIDENT	! AT 140F	!	!	!	!	!	
FLOOD LEVEL EL:	N/A FEET	! SURMER- GENCE	!! N/R	! -	!	!	!	!	!	
ABOVE FLOOD LEVEL:	N/A	!	!!	!	!	!	!	!	!	
COORDINATES:	M-6A	! INDEX FOR INCONSISTENCY ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!	!
ENVIRON'T IS HARSH		! (IF REQUIRED)							!	! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		! ANALYSIS M-1							!	! PREPARER: RM 07/30/82
QUALIF STATUS: QUALIFIED		!							!	! DATE
		!							!	! CHECKER : SKS 07/30/82
		!							!	! DATE
		!							!	! SYSTEM: BORON
		!							!	! MANAGEMENT
		!							!	! QDEF SHEET NO.-1126

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P.10-14 FIG.3	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 20 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 2SI-L101A	TEMPERATURE	140 F	346 F PEAK	HVAC TEMP MAP DWG G-145	REF (1) P.10-5&14 FIG.3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3	
MANUFACTURER: NAMCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA180-01302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: SIS.RECIRC.SUMP ISOL.VALVE	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: A M									
ACCURACY SPECIFIED: N/A	RADIATION	52000 RADS	204 M RADS	RADIATION MAPS ZONE-GG DWG G-145	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
ACCURACY DEMONS.: N/A									
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	AGING	140YRS + 1 YR ACC	1400 HRS AT 248F EQUIV TO 20 YRS AT 104 F	FSAR SEC. 3.11.1	REF (1) P 10-6 (FIG. 8) P 4-12	TYPE TEST			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: L-7A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-2								OTHER EQUIPMENT THIS QDEF APPLIES TO: REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARED: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
	REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO. QTR 105 REV 1.								SYSTEM: SAFETY INJECTION
									QDEF SHEET NO. -1127

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	SAFETY INJECTION	OPERATING TIME	120 DAYS	NONE SEE NOTE	FSAR TABLE	NE E NOTE	-		QUALIFIED LIFE IS:	
COMPONENT:	PRESSURE SWITCH			(2)	3.11-2	(2)				
PLANT NUMBER:	2SI-L101A	TEMPERATURE	140 F	NONE SEE NOTE	HVAC TEMP. MAP DWG	NONE SEE NOTE	-		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	MERCROID	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
MODEL AND SERIAL NUMBER:	DAW7023-804B	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION:	SIS.RECIRC.SUMP ISOL.VALVE				3.11-1				(2)PRESSURE SWITCH IS NOT QUALIFIED.	
FUNCTION:	AM	CHEMICAL SPRAY	N/R	-	-	-	-		REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING	
ACCURACY SPECIFIED:	N/A	RADIATION	52,000 RADS	600,000 RADS	RADIATION MAPS	REF (1) SEC 6.1	-		EBASCO FILE NO: EQ-ME-10	
ACCURACY DEMONS.:	N/A				ZONE-GG DWG G-145					
LOCATION:	AUX BUILDING	AGING	40YRS + 1 YR.ACC.	NONE SEE NOTE	FSAR SEC	NONE SEE NOTE	-			
ELEVATION:	-35.0 FT.			(2)	3.11.1	(2)				
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	L-7A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:								
ENVIRON'T IS HARSH									REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION:NO									PREPARER:BM 07/30/82 DATE	
QUALIF STATUS: NOT QUALIFIED					REFERENCES: (1)MERCROID TEST REPORT NO.44285-1				CHECKER :SKS 07/30/82 DATE	
									SYSTEM:SAFETY INJECTION	
									QDEF SHEET NO.-1128	

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENV.	FSAR TABLE	REF (1) P.3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID				3.11-2	SEC.3.2.7	ENG. EVAL.		
PLANT NUMBER: 2SI-L101A	TEMPERATURE	140 F	1346F PEAK	HVAC TEMP MAP	REF (1) P.4-4	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1) APP.1 SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		((1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: NP8344B46E	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SIS.RECIRC.SUMP ISOL.VLV.	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: A M	RADIATION	52000 RADS	1200 M RADS	RADIATION MAPS	REF (1) P.4.4	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY SPECIFIED: N/A				ZONE-GG	SEC.4.6			
ACCURACY DEMONS.: N/A	AGING	140YRS + 1 YR.ACC.	1268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC	REF (1) APP. A	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.				3.11.1	P.9-3 & 4			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: L-7A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH	ANALYSIS M-1						REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION:NO							PREPARER:BM 07/30/82 DATE	
QUALIF STATUS: QUALIFIED							CHECKER :SKS 07/30/82 DATE	
							REFERENCES: (1)ASCO TEST REPORT # AQS21678/TR REV A JULY 1979	
							SYSTEM:SAFETY INJECTION	
							QDEF SHEET NO.-1129	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	! OPERATING TIME	!! 120 DAYS	! 30 DAYS IN ! ! LOCA ENV.	! FSAR TABLE	! REF (1) P.10-14	! TYPE TEST +	! YES	! QUALIFIED LIFE IS: 20 YEARS
COMPONENT: LIMIT SWITCH	!	!!	!	! 3.11-2	! FIG.3	! ENG. EVAL.	!	!
PLANT NUMBER: 2SI-L102B	! TEMPERATURE	!! 140 F	! 346 F ! ! PEAK	! HVAC TEMP MAP DWG G-145	! REF (1) P.10-5&14	! TYPE TEST	!	! MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3
MANUFACTURER: NAMCO	! PRESSURE	!! 0 PSIG	! SEE NOTE (1)	! FSAR TABLE 3.11-1	! SEE NOTE (1)	!	!	!
MODEL AND SERIAL NUMBER: EA 180-31302	! RELATIVE HUMIDITY	!! 20-90%	! SEE NOTE (1)	! FSAR TABLE	! SEE NOTE (1)	!	!	! PRESSURE AND REL. HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: SIS.RECIRC SUMP ISOL.VALVE	! CHEMICAL SPRAY	!! N/R	! -	!	!	!	!	!
FUNCTION: A M	!	!!	!	!	!	!	!	!
ACCURACY SPECIFIED: N/A	! RADIATION	!! 52000 RADS	! 204 M RADS	! RADIATION MAPS ZONE-GG DWG G-145!	! REF (1) P.10-7	! TYPE TEST	!	! EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A	! AGING	!! 40YRS + 1 YR ACC	! 400 HRS AT ! ! 248F EQUIV ! ! TO 20 YRS. ! ! AT 104 F !	! FSAR SEC 3.11.1	! REF (1) P.10-6 (FIG.8)	! TYPE TEST	!	!
LOCATION: AUX BUILDING ELEVATION: -35 FT.	! SUBMERGENCE	!! N/R	! -	!	!	!	!	!
FLOOD LEVEL EL: N/A FEET	!	!!	!	!	!	!	!	!
ABOVE FLOOD LEVEL: N/A	!	!!	!	!	!	!	!	!
COORDINATES: L-7A	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
ENVIRON'T IS HARSH	!	!	!	!	!	!	!	! REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	!	!	!	!	!	!	!	! PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED	!	!	!	!	!	!	!	! CHECKER :SKS 07/30/82 DATE
	!	!	!	!	!	!	!	! SYSTEM: SAFETY INJECTION
	!	!	!	!	!	!	!	! QDEF SHEET NO. -1130

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFICATION METHOD	INCONSISTENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	NONE SEE NOTE	FSAR TABLE	NONE SEE NOTE	-		QUALIFIED LIFE IS:
COMPONENT: PRESSURE SWITCH			(2)	3.11-2	(2)			
PLANT NUMBER: 2SI-L102B	TEMPERATURE	140 F	NONE SEE NOTE	HVAC TEMP. MAP DWG G-145	NONE SEE NOTE	-		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: MERCOID	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND REL. HUMIDITY ARE NOT
MODEL AND SERIAL NUMBER: DAW7023-804B	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: SIS.RECIRC SUMP ISOL.VALVE	CHEMICAL SPRAY	N/R	-	-	-	-		(2) PRESSURE SWITCH IS NOT QUALIFIED. QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING
ACCURACY SPECIFIED: N/A	RADIATION	52,000 RADS	600,000 RADS	RADIATION MAPS ZONE-GG DWG G-145	REF (1) SEC 6.1	TYPE TEST		EBASCO FILE NO: EQ-ME-10
ACCURACY DEMONS.: N/A	AGING	140 YRS + 1 YR.ACC.	NONE SEE NOTE (2)	FSAR SEC 3.11.1	NONE SEE NOTE (2)	-		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	INDEX FOR INCONSISTENCY!							
COORDINATES: L-7A	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER: SKS 07/30/82 DATE
QUALIF STATUS: NOT QUALIFIED				REFERENCES: (1)MERCROID TEST REPORT NO. 44285-1				SYSTEM: SAFETY INJECTION
								QDEF SHEET NO.-1131

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE	REF (1) P 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID				3.11-2	SEC.3.2.7	ENG. EVAL.			
PLANT NUMBER: 2SI-L102B	TEMPERATURE	140 F	346F PEAK	HVAC TEMP MAP DWG G-145	REF (+) P 4-4	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF (1) APP. I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
MODEL AND SERIAL NUMBER: NP 8344B46E	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1) PRESSURE AND REL HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION: SIS.RECIRC.SUMP ISOL.VALVE	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: A M									
ACCURACY SPECIFIED: N/A	RADIATION	52000 RADS	200 M RADS	RADIATION MAPS	REF (1) P 4-4	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A				ZONE-GG DWG G-145	SEC 4.6				
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	AGING	140YRS + 1 YR.ACC.	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC	REF (1) APP A	TYPE TEST			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: L-7A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:		REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-1						REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV A JULY 1979		PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO							CHECKER :SKS 07/30/82 DATE		
QUALIF STATUS: QUALIFIED							SYSTEM: SAFETY INJECTION		
							QDEF SHEET NO.-1132		

LOUISIANA POWER AND LIGHT COMPANY
WATERFORD SES UNIT NO. 3

QDEF SHEET NO. -1133

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT	DOCUMENTATION	QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES
SYSTEM: SAFETY INJECTION	PARAMETER: OPERATING TIME	SPEC.: FSAR TABLE 3.11-2	QUALIF.: SEE NOTE (1)	SEE NOTE (1)	QUALIFIED LIFE IS:
COMPONENT: ACTUATOR W/(4) SOL VA & (3)PS	TEMPERATURE: 1269 F PEAK	LOCA PROFILE	SEE NOTE (1)	SEE NOTE (1)	MAINTENANCE / REPLACEMENT SCHED:
PLANT NUMBER: 1SI-V1501B	PRESSURE: 144 PSIG PEAK	LOCA PROFILE	SEE NOTE (1)	SEE NOTE (1)	(1) QUALIFICATION WILL BE ESTABLISHED AFTER THE REVIEW OF THE PROPOSED TEST RESULTS, BEFORE FUEL LOADING
MANUFACTURER: BORG WARNER	RELATIVE HUMIDITY: 100%	FSAR TABLE 3.11-1	SEE NOTE (1)	SEE NOTE (1)	EBASCO FILE NO: EQ-ME-11
MODEL AND SERIAL NUMBER:	CHEMICAL SPRAY: 1 PH 5.0 TO 9.0 BORON 1750 TO 2150 PPM	FSAR TABLE 3.11-1	SEE NOTE (1)	SEE NOTE (1)	
SERVICE DESCRIPTION: SDC RET. LINE LOOP 1 ISO VLV	RADIATION: 133 M RADS	RADIATION MAPS ZONE-CC DWG G-144	SEE NOTE (1)	SEE NOTE (1)	
FUNCTION: AM	AGING: 140 YEARS + 1 YEAR ACCIDENT	FSAR SEC 3.11.1	SEE NOTE (1)	SEE NOTE (1)	
ACCURACY SPECIFIED: N/A	SUBMERGENCE: IN/R				
ACCURACY DEMONSTRATED: N/A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)				
LOCATION: CONT BUILDING	LEVEL EL: +0.5 FEET				
ELEVATION: +21.0 FT.	ABOVE FLOOD LEVEL: YES				
COORDINATES: S-W	ENVIRONMENT IS HARSH				
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	OTHER EQUIPMENT THIS QDEF APPLIES TO: 1SI-V1503A				
QUALIFICATION STATUS: PENDING TO PROPOSED QUALIFICATION TEST RESULTS	REFERENCES:				
	REVISION NO. -01				
	PREPARED BY: BM 07/30/82				
	CHECKER: SKS 07/30/82				
	SYSTEM: SAFETY INJECTION				
	QDEF SHEET NO. -1133				

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:									
COMPONENT: FOR FUTURE	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:	
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!	DELETED, THIS SHEET INTENTIONALLY LEFT BLANK	
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!		
SERVICE DESCRIPTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
FUNCTION:	RADIATION	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	AGING	!!	!	!	!	!	!		
ACCURACY DEMONS.:		!!	!	!	!	!	!		
LOCATION: BUILDING		!!	!	!	!	!	!		
ELEVATION: FT.		!!	!	!	!	!	!		
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!		
COORDINATES:	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: ! (IF REQUIRED) !								! REVISION NO. - 0
ENVIRON'T IS								! PREPARER: 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION:								! DATE	
QUALIF STATUS:								! CHECKER : 07/30/82	
								! DATE	
								! SYSTEM:	
								! QDEF SHEET NO. -1134	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:	
COMPONENT: FOR FUTURE		!!	!	!	!	!	!		
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!		
MODEL AND SERIAL NUMBER:		!!	!	!	!	!	!	DELETED, THIS SHEET INTENTIONALLY LEFT BLANK	
SERVICE DESCRIPTION:	RELATIVE HUMIDITY	!!	!	!	!	!	!		
FUNCTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	RADIATION	!!	!	!	!	!	!		
ACCURACY DEMONS.:		!!	!	!	!	!	!		
LOCATION: BUILDING	AGING	!!	!	!	!	!	!		
ELEVATION: FT.		!!	!	!	!	!	!		
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!		
COORDINATES:	! INDEX FOR INCONSISTENCY!						!	!	
ENVIRON'T IS	! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:						!	!	REVISION NO. - 0
EQUIPMENT EXEMPT FROM QUALIFICATION:	! (IF REQUIRED) !						!	!	PREPARER: 07/30/82
QUALIF STATUS:	O! T! P! H! C! R! A! S!						!	!	DATE CHECKER : 07/30/82 DATE
	REFERENCES:						!	!	SYSTEM:
							!	!	QDEF SHEET NO. - 11. .

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:
COMPONENT: FOR FUTURE		!!	!	!	!	!	!	
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!	DELETED, THIS SHEET INTENTIONALLY LEFT BLANK
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!	
SERVICE DESCRIPTION:	CHEMICAL SPRAY	!!	!	!	!	!	!	
FUNCTION:	RADIATION	!!	!	!	!	!	!	
ACCURACY SPECIFIED:	AGING	!!	!	!	!	!	!	
ACCURACY DEMONS.:		!!	!	!	!	!	!	
LOCATION: BUILDING ELEVATION: FT.		!!	!	!	!	!	!	
FLOOD LEVEL EL: FEET ABOVE FLOOD LEVEL:	SUBMERGENCE	!!	!	!	!	!	!	
COORDINATES:	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE (IF REQUIRED) ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
ENVIRON'T IS			O!					! REVISION NO. - 0
EQUIPMENT EXEMPT FROM QUALIFICATION:			T!					! PREPARER: 07/30/82 DATE
QUALIF STATUS:			P!					! CHECKER : 07/30/82 DATE
			H!	REFERENCES:				!
			C!					! SYSTEM:
			R!					!
			A!					! QDEF SHEET NO.-1136
			S!					!

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE 3.11-2	REF (1) P. 10	TYPE TEST +		QUALIFIED LIFE IS: 40+ YR ACC.
COMPONENT: MOTOR OPERATOR				FIGURE 1 REF (2)		ENG. EVAL.		
PLANT NUMBER: 2SI-V1534	TEMPERATURE	140 F	250 F PEAK	HVAC TEMP. MAP DWG: G-145	REF (1) P. 10	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE AND REL.HUMIDITY ARE NOT CONSIDERED TO BE SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: SMB-00-7.5	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: MO VLV HPSI (SI-MODE)								
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	52,000 RADS	20 M RADS	RADIATION MAPS ZONE -GG DWG G-145	REF (1) P. 8 SEC 4.3	TYPE TEST		EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A	AGING	40 YRS. + 1 YR	165F FOR 199.8 HRS.	FSAR SEC 3.11.1	REF (1) P. 7	TYPE TEST +		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	ACCIDENT				SEC 4.1.4 REF (2)	ENG. EVAL.		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: LY-6A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
ENVIRON'T IS HARSH	O! T! P! H! C! R! A! S!							REVISION NO. -01 PREPARER: BM 07/30/82 DATE CHECKER :SKS 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO QUALIF STATUS: QUALIFIED	REFERENCES: (1)LIMITORQUE CORP. REPORT # BO003: APPENDIX D TO REPORT # BO058 (2) LIMITORQUE CORP. REPORT BO058 PARAGRAPH 3.2.1.3							SYSTEM: SAFETY INJECTION QDEF SHEET NO. -1137

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE 3.11-2	REF (1) P. 10	TYPE TEST +		QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: MOTOR OPERATOR					FIGURE 1 REF (2)	ENG. EVAL.		
PLANT NUMBER: 2SI-V1557	TEMPERATURE	140 F	250 F PEAK	HVAC TEMP. MAP.DWG: G-145	REF (1) P. 10	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: SMB-000-5	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: MO ISO VALVE SDC LOOP 1	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	52,000 RADS	120 M RADS	RADIATION MAPS ZONE -GG DWG G-145	REF (1) P. 8 SEC 4.3	TYPE TEST		EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A	AGING	140 YRS. + 1 YR	165F FOR 199.8 HRS.	FSAR SEC 3.11.1	REF (1) P. 7	TYPE TEST +		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	ACCIDENT				SEC 4.1.4 REF (2)	ENG. EVAL.		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: L-6A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	O							PREPARER: BM 07/30/82
QUALIF STATUS: QUALIFIED	T							DATE
	P							CHECKER :SKS 07/30/82
	H							DATE
	C	REFERENCES: (1)LIMITORQUE CORP.REPORT # B0003:APPENDIX D TO REPORT # B0058						
	R	(2) LIMITORQUE CORP. REPORT BO058 PARAGRAPH 3.2.1.3						SYSTEM:SAFETY INJECTION
	A							QDEF SHEET NO.-1138
	S							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE 3.11-2	REF (1) P. 10	TYPE TEST +		QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: MOTOR OPERATOR					FIGURE 1 REF (2)	ENG. EVAL.		
PLANT NUMBER: 2SI-V1558	TEMPERATURE	140 F	250 F PEAK	HVAC TEMP. MAP DWG: G-145	REF (1) P. 10	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT
MODEL AND SERIAL NUMBER: SMB-000-5	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: MD ISO VALVE SDC LOOP 2	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	52,000 RADS	20 M RADS	RADIATION MAPS ZONE -GG DWG G-145	REF (1) P. 8 SEC 4.3	TYPE TEST		EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A	AGING	40 YRS. + 1 YR ACCIDENT	165 F FOR 199.8 HRS	FSAR SEC 3.11.1	REF (1) P. 7 SEC 4.1.4	TYPE TEST +		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLJOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
COORDINATES: M-9A	OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRONMENT IS HARSH	O							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	T							PREPARER: BM 07/30/82
QUALIF STATUS: QUALIFIED	P							DATE
	H							CHECKER : SKS 07/30/82
	C							DATE
	R							SYSTEM: SAFETY
	A							INJECTION
	S							QDEF SHEET NO.-1139
	REFERENCES: (1)LIMITORQUE CORP.REPORT # BO003:APPENDIX D TO REPORT # BO058 (2)LIMITORQUE CORP.REPORT # BO058 PARAGRAPH 3.2.1.3							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE 3.11-2	REF (1) F. 10	TYPE TEST +		QUALIFIED LIFE IS: 40+1 YR ACC.	
COMPONENT: MOTOR OPERATOR					FIGURE 1 REF (2)	ENG. EVAL.			
PLANT NUMBER: 2SI-V1559	TEMPERATURE	140 F	250 F PEAK	HVAC TEMP. MAP DWG: G-145	REF (1) P. 10	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: APP.A TO LIMITORQUE REPORT # BO058 REF(1)	
MANUFACTURER: LIMITORQUE	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: SMB-00-7.5	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: MD ISO VALVE SDC LOOP 2									
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	52,000 RADS	20 M RADS	RADIATION MAPS ZONE -GG DWG G-145	REF (1) P. 8 SEC 4.3	TYPE TEST		EASCO FILE NO: EQ-ME-5	
ACCURACY DEMONS.: N/A	AGING	40 YRS.+ 1 YR ACCIDENT	165F FOR 199.8 HRS	FSAR SEC 3.11.1	REF (1) P. 7 SEC 4.1.4	TYPE TEST +			
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.					REF (2)	ENG. EVAL.			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: M-9A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1)LIMITORQUE CORP.REPORT # BO003:APPENDIX D TO REPORT # BO058								PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED	(2) LIMITORQUE CORP. REPORT BO058 PARAGRAPH 3.2.1.3								CHECKER :SKS 07/30/82 DATE
	SYSTEM: SAFETY INJECTION								QDEF SHEET NO. -1140

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	SAFETY INJECTION	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE 3.11-2	REF (1) P. 10	TYPE TEST +		QUALIFIED LIFE IS: 40+1 YR ACC.	
COMPONENT:	MOTOR OPERATOR					FIGURE 1 REF (2)	ENG. EVAL.			
PLANT NUMBER:	2SI-V326B	TEMPERATURE	148 F	250 F PEAK	HVAC TEMP. MAP.DWG: G-145	REF (1) P. 10	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: APP.A TO LIMITORQUE REPORT # BO058 REF(1)	
MANUFACTURER:	LIMITORQUE	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER:	SMB-O-15	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION:	SDC RETURN LINE LOOP 1 ISO VLV	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION:	AM									
ACCURACY SPECIFIED:	N/A	RADIATION	64,000 RADS	20 M RADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) P. 8 SEC 4.3	TYPE TEST		EBASCO FILE NO: EQ-ME-5	
ACCURACY DEMONS.:	N/A	AGING	40 YRS.+ 1 YR ACCIDENT	165F FOR 199.8 HRS	FSAR SEC 3.11.1	REF (1) P. 7	TYPE TEST +			
LOCATION:	AUX BUILDING					SEC 4.1.4	ENG.			
ELEVATION:	-4.0 FT.					REF (2)	EVAL.			
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	N-4A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO. -01
ENVIRON'T IS HARSH									PREPARER: BM 07/30/82 DATE	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									CHECKER :SKS 07/30/82 DATE	
QUALIF STATUS: QUALIFIED									SYSTEM: SAFETY INJECTION	
									QDEF SHEET NO. -1141	

REFERENCES: (1) LIMITORQUE CORP. REPORT # BO003: APPENDIX D TO REPORT # BO058 (2) LIMITORQUE CORP. REPORT BO058 PARAGRAPH 3.2.1.3

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	!!120 DAYS	!16 DAYS	FSAR TABLE 3.11-2	REF (1) P. 10	! TYPE TEST +	!	! QUALIFIED LIFE IS:
COMPONENT: MOTOR OPERATOR		!!	!		FIGURE 1 REF (2)	! ENG. EVAL.	!	! 40+1 YR ACC.
PLANT NUMBER: 2SI-V327A	TEMPERATURE	!!148 F	!250 F PEAK	HVAC TEMP. MAP DWG: G-145	REF (1) P. 10	! TYPE TEST	!	! MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	!!0 PSIG	!SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	! -	!	! (1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: SMB-0-15	RELATIVE HUMIDITY	!!20-90%	!SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	! -	!	!
SERVICE DESCRIPTION: SDC RETURN LINE LOOP 2 ISO VLV		!!	!			!	!	!
FUNCTION: AM	CHEMICAL SPRAY	!!N/R	!-	!	!	! -	!	!
ACCURACY SPECIFIED: N/A	RADIATION	!!64,000 RADS	!20 M RADS	RADIATION MAPS ZONE -FF DWG G-145	REF (1) P. 8 SEC 4.3	! TYPE TEST	!	! EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A	AGING	!!40 YRS.+	!165F FOR 199.8 HRS	FSAR SEC 3.11.1	REF (1) P. 7	! TYPE TEST +	!	!
LOCATION: AUX BUILDING ELEVATION: -4 FT.	ACCIDENT	!!	!		SEC 4.1.4 REF (2)	! ENG. EVAL.	!	!
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	!!N/R	!-	!	!	! -	!	!
ABOVE FLOOD LEVEL: N/A		!!	!			!	!	!
COORDINATES: M-10A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				!
ENVIRON'T IS HARSH								! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								! PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED								! CHECKER :SKS 07/30/82 DATE
				REFERENCES:	(1)LIMITORQUE CORP.REPORT # BO003:APPENDIX D TO REPORT # BO058			! SYSTEM:SAFETY INJECTION
					(2) LIMITORQUE CORP. REPORT BO058 PARAGRAPH 3.2.1.3			! QDEF SHEET NO.-1142

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	!!120 DAYS	!!16 DAYS	FSAR TABLE 3.11-2	REF (1) P. 10	TYPE TEST +		QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: MOTOR OPERATOR		!!	!		FIGURE 1 REF (2)	ENG. EVAL.		
PLANT NUMBER: 2SI-V801B	TEMPERATURE	!!140 F	!!250 F	HVAC TEMP. MAP DWG: G-145	REF (1) P. 10	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	!!0 PSIG	!!SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		!!(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: SMB-00-10	RELATIVE HUMIDITY	!!20-90%	!!SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: MO MIN FLOW ISO VLV SI PUMPS B	CHEMICAL SPRAY	!!N/R	!!-					
FUNCTION: AM	RADIATION	!!52,000 RADS	!!20 M RADS	RADIATION MAPS ZONE -GG DWG G-145	REF (1) P. 8 SEC 4.3	TYPE TEST		EBASCO FILE NO: EQ-ME-5
ACCURACY SPECIFIED: N/A	AGING	!!140 YRS.+ !!1 YR	!!165F FOR !!199.8 HRS	FSAR SEC 3.11.1	REF (1) P. 7	TYPE TEST +		
ACCURACY DEMONS.: N/A	LOCATION: AUX BUILDING ELEVATION: -35 FT.	!!ACCIDENT			SEC 4.1.4 REF (2)	ENG. EVAL.		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	!!N/R	!!-					
ABOVE FLOOD LEVEL: N/A								
COORDINATES M-9A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED					REFERENCES: (1)LIMITORQUE CORP. REPORT # BO003-APPENDIX D TO REPORT # BO058 (2) LIMITORQUE CORP. REPORT BO058 PARAGRAPH 3.2.1.3			SYSTEM: SAFETY INJECTION QDEF SHEET NO. -1143

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE 3.11-2	REF (1) P. 10	TYPE TEST +		QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: MOTOR OPERATOR					FIGURE 1 REF (2)	ENG. EVAL.		
PLANT NUMBER: 2SI-V802B	TEMPERATURE	140 F	250 F PEAK	HVAC TEMP. MAP DWG: G-145	REF (1) P. 10	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: SMB-00-10	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: MO MIN FLOW ISO VLV SI PUMPS B								
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	52,000 RADS	20 M RADS	RADIATION MAPS ZONE -GG DWG G-145	REF (1) P. 8 SEC 4.3	TYPE TEST		EBASCO FILE NO: EQ-ME-5
ACCURACY DEMONS.: N/A	AGING	140 YRS.+ 1 YR	155F FOR 199.8 HRS	FSAR SEC 3.11.1	REF (1) P. 7	TYPE TEST +		
LOCATION: AUX BUILDING ELEVATION: -35 FT.	ACCIDENT				SEC 4.1.4 REF (2)	ENG. EVAL.		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: M-9A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: SM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED					REFERENCES: (1)LIMITORQUE CORP. REPORT # BO003: APPENDIX D TO REPORT # BO058 (2) LIMITORQUE CORP. REPORT BO058 PARAGRAPH 3.2.1.3			SYSTEM: SAFETY INJECTION QDEF SHEET NO. -1144

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	16 DAYS	FSAR TABLE 3.11-2	REF (1) P. 10	TYPE TEST +		QUALIFIED LIFE IS: 40+1.YR ACC.	
COMPONENT: MOTOR OPERATOR					FIGURE REF (2)	ENG. EVAL.			
PLANT NUMBER: 2SI-V809A	TEMPERATURE	140 F	250 F PEAK	HVAC TEMP. MAP DWG: G-145	REF (1) P. 10	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: APP. A TO LIMITORQUE REPORT # BO058 REF(1)	
MANUFACTURER: LIMITORQUE	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: SME-00-10	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: MO MIN FLOW ISO VA SI PUMPS A									
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	52,000 RADS	20 M RADS	RADIATION MAPS ZONE -GG DWG G-145	REF (1) P. 8 SEC 4.3	TYPE TEST		EBASCO FILE NO: EQ-ME-5	
ACCURACY DEMONS.: N/A									
LOCATION: AUX BUILD: ELEVATION: -35 FT.	AGING	40 YRS.+ 1 YR	165F FOR 199.8 HRS	FSAR SEC 3.11.1	REF (1) P. 7	TYPE TEST +			
		ACCIDENT			SEC 4.1.4	ENG. EVAL.			
FLOOD LEVEL EL: N/A FEET		N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: L-8A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO.-01
ENVIRONMENT IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1) LIMITORQUE CORP. REPORT # BO003: APPENDIX D TO REPORT # BO058								PREPARED: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED	(2) LIMITORQUE CORP. REPORT # BO058 PARAGRAPH 3.2.1.3								CHECKER: SKS 07/30/82 DATE
									SYSTEM: SAFETY INJECTION
									QDEF SHEET NO.-1145

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	116 DAYS	FSAR TABLE 3.11-2	REF (1) P. 10	TYPE TEST +		QUALIFIED LIFE IS: 40+1 YR ACC.	
COMPONENT: MOTOR OPERATOR					FIGURE 1 REF (2)	ENG. EVAL.			
PLANT NUMBER: 2SI-VB10A	TEMPERATURE	140 F	1250 F PEAK	HVAC TEMP. MAP DWG: G-145	REF (1) P. 10	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)	
MANUFACTURER: LIMITORQUE	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: SMB-00-10	RELATIVE HUMIDITY	120-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: MO MIN FLOW ISO VA SI PUMPS A									
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	52,000 RADS	120 M RADS	RADIATION MAPS ZONE -GG DWG G-145	REF (1) P. 8 SEC 4.3	TYPE TEST		EBASCO FILE NO: EQ-ME-5	
ACCURACY DEMONS.: N/A	AGING	140 YRS.+ 1 YR	165F FOR 199.5 HRS	FSAR SEC 3.11.1	REF (1) P. 7	TYPE TEST +			
LOCATION: AUX BUILDING ELEVATION: -35 FT.	ACCIDENT				SEC 4.1.4 REF (2)	ENG. EVAL.			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: L-8A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO. -01
ENVIRON'T IS HARSH								REFERENCES: (1)LIMITORQUE CORP. REPORT # BO003:APPENDIX D TO REPORT # BO058 (2) LIMITORQUE CORP. REPORT BO058 PARAGRAPH 3.2.1.3	PREPARER: BM 07/30/82 DATE CHECKER :SKS 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									
QUALIF STATUS: QUALIFIED									SYSTEM: SAFETY INJECTION
									QDEF SHEET NO. -1146

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	!! 1 HOUR	! NONE	! FSAR TABLE	! NONE	! -	!	! QUALIFIED LIFE IS:	
COMPONENT: SOLENOID		!!	! (1)	! 3.11-2	! (1)	!	!	!	
PLANT NUMBER: 2SI-F608TK2B	TEMPERATURE	!! 269 F PEAK	! NONE	! LOCA PROFILE	! NONE	! -	!	! MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ASCO	PRESSURE	!! 44 PSIG PEAK	! NONE	! LOCA PROFILE	! NONE	! -	!	! (1)	
MODEL AND SERIAL NUMBER: HT 8302C26	RELATIVE HUMIDITY	!! 100%	! NONE	! FSAR TABLE	! NONE	! -	!	! NO QUALIFICATION DOCUMENTS AVAILABLE.	
SERVICE DESCRIPTION: NITROGEN FCV TO SI TANK 2-B	CHEMICAL SPRAY	!! PH 5.0 TO 9.0 BORON	! NONE	! FSAR TABLE	! NONE	! -	!	! QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING.	
FUNCTION: A.M.		!! 1750 TO 2150 PPM	! (1)	! 3.11-1	! (1)	!	!	!	
ACCURACY SPECIFIED: N/A	RADIATION	!! 33 M RADS	! NONE	! RAD MAPS ZONE-CC	! NONE	! -	!	! EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	!! 40 YEARS	! NONE	! FSAR SEC.	! NONE	! -	!	!	
LOCATION: CONT BUILDING		!! + 1 YEAR ACCIDENT	! (1)	! 3.11.1	! (1)	!	!	!	
ELEVATION: +46 FT.		!!	!	!	!	!	!	!	
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	!! N/R	! -	! -	! -	! -	!	!	
ABOVE FLOOD LEVEL: YES		!!	!	!	!	!	!	!	
COORDINATES: S-E	! INDEX FOR INCONSISTENCY!						!	!	!
ENVIRON'T IS HARSH	! ANALYSIS IN WORKFILE (IF REQUIRED)						!	!	! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	! OTHER EQUIPMENT THIS QDEF APPLIES TO:						!	!	! PREPARER: BM 07/30/82
QUALIF STATUS: NOT QUALIFIED	! REFERENCES:						!	!	! DATE
							!	!	! CHECKER :SKS 07/30/82
							!	!	! DATE
							!	!	! SYSTEM: SAFETY INJECTION
							!	!	! QDEF SHEET NO.-1147

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	1 HOUR	130 DAYS IN LOCA ENV.	FSAR TABLE 3.11-2	REF(1) P 10-14 FIG 3	TYPE TEST		QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 2SI-F605TK1A	TEMPERATURE	269 F PEAK	346 F PEAK	LOCA PROFILE	REF(1) P 10-5814 FIG 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTAINENCE PROCEDURE EA189-90051 REF(1) P.4-3	
MANUFACTURER: NAMCO	PRESSURE	44 PSIG PEAK	70 PSIG PEAK	LOCA PROFILE	REF(1) P 10-5814 FIG 3	TYPE TEST			
MODEL AND SERIAL NUMBER: EA180-21302	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF(1) P 10-9 PARA 2	TYPE TEST			
SERVICE DESCRIPTION: NITROGEN FCV TO SI TANK 1-A									
FUNCTION: AM	CHEMICAL SPRAY	PH 5.0-9.0 BORON 1750 TO 2150 PPM	PH 10-11 SPRAY COMP OF H3B03 +NAOH	FSAR TABLE 3.11-1	REF(1) P 10-9 PARA 2	TYPE TEST			
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	204 M RADS	RADIATION MAPS ZONE -CC DWG G-143	REF(1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
ACCURACY DEMONS.: N/A									
LOCATION: CONT BUILDING ELEVATION: +46 FT.	AGING	40 YRS + 1 YR ACCIDENT	400 HRS AT 248F EQUIV TO 6 YRS AT 120F	FSAR SEC 3.11.1	REF(1) P 10-6 (FIG 8) P 4-12	TYPE TEST			
FLOOD LEVEL EL: +.5 FEET	SUBMERGENCE	N/R							
ABOVE FLOOD LEVEL: YES									
COORDINATES: S-W	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
ENVIRON'T IS HARSH	O! T! P! H! C! R! A! S!							REFERENCES: (1)NAMCO QUALIFICATION OF EA 180 SERIES OF LIMIT SWITCHES. REPRGT NO. QTR 105 REV 1.	PREPARER: BM 07/30/82 DATE CHECKER :SKS 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO QUALIF STATUS: QUALIFIED								SYSTEM: SAFETY INJECTION	QDEF SHEET NO.-1148

LOUISIANA POWER AND LIGHT COMPANY
WATERFORD SES UNIT NO.3

QDEF SHEET NO. -1149

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT	PARAMETER	SPEC.	QUALIF.	DOCUMENTATION	QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES
SYSTEM: SAFETY INJECTION	OPERATING TIME	1 HOUR	FSAR TABLE 3.11-2	NONE	NONE	-	-	QUALIFIED LIFE IS:
COMPONENT: SOLENOID				SEE NOTE (1)	SEE NOTE (1)			
PLANT NUMBER: 2SI-F605TK1A	TEMPERATURE	1269 F	LOCA PROFILE	NONE	NONE	-	-	MAINTENANCE / REPLACEMENT SCHD:
	PEAK			SEE NOTE (1)	SEE NOTE (1)			
MANUFACTURER: ASCO	PRESSURE	144 PSIG	LOCA PROFILE	NONE	NONE	-	-	(1) NO QUALIFICATION DOCUMENTS AVAILABLE. QUALIFIED REPLACEMENTS WILL BE INSTALLED BEFORE FUEL LOADING.
	PEAK			SEE NOTE (1)	SEE NOTE (1)			
MODEL AND SERIAL NUMBER: HT 8302C26	RELATIVE HUMIDITY	100%	FSAR TABLE 3.11-1	NONE	NONE	-	-	
SERVICE DESCRIPTION: NITROGEN FCV TO SI TANK 1-A				SEE NOTE (1)	SEE NOTE (1)			
FUNCTION: AM	CHEMICAL SPRAY	PH 5.0-9.0	FSAR TABLE 3.11-1	NONE	NONE	-	-	
		BORON 1750 PPM		SEE NOTE (1)	SEE NOTE (1)			
ACCURACY SPECIFIED: N/A	RADIATION	133 M RADS	RADIATION MAPS	NONE	NONE	-	-	EBASCO FILE NO: EQ-ME-4
			ZONE -CC	SEE NOTE (1)	SEE NOTE (1)			
ACCURACY DEMONS: N/A	AGING	140 YRS +	DWG G-143	NONE	NONE	-	-	
		1 YR	FSAR SEC 3.11.1	SEE NOTE (1)	SEE NOTE (1)			
LOCATION: CONT BUILDING	SUBMERGENCE	N/R		-	-			
ELEVATION: +46 FT.								
FLOOD LEVEL EL: +.5 FEET								
ABOVE FLOOD LEVEL: YES								
COORDINATES: S-W	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								REVISION NO. -01
QUALIF STATUS: NOT QUALIFIED								PREPARED: BM 07/30/82
								DATE
								CHECKER: SKS 07/30/82
								DATE
								SYSTEM: SAFETY INJECTION
								QDEF SHEET NO. -1149

REFERENCES:

REVISION NO. -01
PREPARED: BM 07/30/82
DATE
CHECKER: SKS 07/30/82
DATE
SYSTEM: SAFETY INJECTION
QDEF SHEET NO. -1149

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	1 HOUR	130 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 10-14 FIG. 3	TYPE TEST		QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 2SI-F606TK1B	TEMPERATURE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF (1) P 10-5&14 FIG. 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3
MANUFACTURER: NAMCO	PRESSURE	44 PSIG PEAK	70 PSIG PEAK	LOCA PROFILE	REF (1) P 10-5&14 FIG. 3	TYPE TEST		
MODEL AND SERIAL NUMBER: EA 180-21302	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF (1) P 10-9 PARA 2	TYPE TEST		
SERVICE DESCRIPTION: NITROGEN FCV TO SI TANK 1-B	CHEMICAL SPRAY	PH5.0- 9.0 BORON 1750 TO 2150 PPM	PH10-11 SPRAY COMP OF H3BO3 + NADH	FSAR TABLE 3.11-1	REF(1) P 10-9 PARA 2	TYPE TEST		
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	33 MRADS	204MRADS	RADIATION MAP ZONE	REF(1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A				CC DWG G-143				
	AGING	40 YEARS + 1 YEAR	1400 HRS AT 248F EQUIV TO 6 YRS AT 120F	FSAR SEC 3.11.1	REF(1) P 10-6 (FIG 8) P 4-12	TYPE TEST		
LOCATION: CONT BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: +.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/R						
COORDINATES: N-W	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED								CHECKER :SKS 07/30/82 DATE
								SYSTEM: SAFETY INJECTION
								QDEF SHEET NO. -1150

REFERENCES: (1)NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO. QTR 105 REV 1.

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	1 HOUR	NONE	FSAR TABLE	NONE	-		QUALIFIED LIFE IS:	
COMPONENT: SOLENOID			(1)	3.11-2	(1)				
PLANT NUMBER: 2SI-F606TK1B	TEMPERATURE	269 DEG F PEAK	NONE	LOCA PROFILE	NONE	-		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ASCO	PRESSURE	44 PSIG PEAK	NONE	LOCA PROFILE	NONE	-		(1)	
MODEL AND SERIAL NUMBER: HT 8302C26	RELATIVE HUMIDITY	100%	NONE	FSAR TABLE	NONE	-		NO QUALIFICATION DOCUMENTS AVAILABLE	
SERVICE DESCRIPTION: NITROGEN FCV TO SI TANK 1-B			(1)	3.11-1	(1)			QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING	
FUNCTION: AM	CHEMICAL SPRAY	PH5.0- 9.0 BORON 1750 TO 2150 PPM	NONE	FSAR TABLE	NONE	-			
ACCURACY SPECIFIED: N/A	RADIATION	33 MRADS	NONE	RADIATION MAP ZONE	NONE	-		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A			(1)	CC DWG G-143	(1)				
LOCATION: CONT BUILDING	AGING	40 YEARS + 1 YEAR	NONE	FSAR SEC 3.11.1	NONE	-			
ELEVATION: +46 FT.		ACCIDENT	(1)		(1)				
FLOOD LEVEL EL: +.5 FEET	SUBMERGENCE	N/R	-		-	-			
ABOVE FLOOD LEVEL: YES									
COORDINATES: N-W	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
ENVIRON'T IS HARSH								REFERENCES:	PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: NOT QUALIFIED									SYSTEM: SAFETY INJECTION
									QDEF SHEET NO.-1151

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	1 HOUR	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 10-14 FIG. 3	TYPE TEST		QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 2SI-F607TK2A	TEMPERATURE PEAK	269 DEGF	346 DEGF PEAK	LOCA PROFILE	REF (1) P 10-5814 FIG.3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3
MANUFACTURER: NAMCO	PRESSURE PEAK	144 PSIG	170 PSIG PEAK	LOCA PROFILE	REF (1) P 10-5814 FIG.3	TYPE TEST		
MODEL AND SERIAL NUMBER: EA 180-21302	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF (1) P 10-9 PARA 2	TYPE TEST		
SERVICE DESCRIPTION: NITROGEN FCV TO SI TANK 2-A	CHEMICAL SPRAY	PH5.0-9.0	PH 10 TO 11	FSAR TABLE 3.11-1	REF (1) P 10-9 PARA 2	TYPE TEST		
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	33 MRADS	204 MRADS	RADIATION MAP ZONE CC DWG G-143	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A								
LOCATION: CONT BUILDING ELEVATION: +46 FT.	AGING	140 YEARS + 1 YEAR	400 HRS AT 248F EQUIV TO 6 YRS AT 120F	FSAR SEC 3.11.1	REF (1) P 10-6 (FIG. 8) P 4-12	TYPE TEST		
FLOOD LEVEL EL: +.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/R	-	-	-	-		
COORDINATES: N-E	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRONMENT IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION-NO QUALIF STATUS: QUALIFIED	REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO. QTR 105 REV 1.							PREPARER: BM 07/30/82 DATE CHECKER: SKS 07/30/82 DATE
	SYSTEM: SAFETY INJECTION							
	QDEF SHEET NO.-1152							

QUALIFICATION DATA EVALUATION FORM

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATION		QUALIFICATION METHOD		NOTES	
SYSTEM	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	INCONSISTENCY ANALYZED	QUALIFIED LIFE IS	MAINTENANCE / REPLACEMENT SCHED.
SAFETY INJECTION	OPERATING TIME	1 HOUR	NONE SEE NOTE (1)	FSAR TABLE 3.11-2	NONE SEE NOTE (1)				
SOLENOID	TEMP. RAY USE	269 DEG F PEAK	NONE SEE NOTE (1)	LOCA PROFILE	NONE SEE NOTE (1)				
2SI-F607TK2A	PRESSURE	44 PSIG PEAK	NONE SEE NOTE (1)	LOCA PROFILE	NONE SEE NOTE (1)				(1) NO QUALIFICATION DOCUMENTS AVAILABLE QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING
MANUFACTURER: ASCO	RELATIVE HUMIDITY	100%	NONE SEE NOTE (1)	FSAR TABLE 3.11-1	NONE SEE NOTE (1)				
MODEL AND SERIAL NUMBER: HT 8302C25	CHEMICAL SPRAY	PH5.0-9.0 BORON 1750 TO 2150 PPM	NONE SEE NOTE (1)	FSAR TABLE 3.11-1	NONE SEE NOTE (1)				
SERVICE DESCRIPTION: NITROGEN FCV TO DESCRIPTION: SI TANK 2-A	RADIATION	33 MRADS	NONE SEE NOTE (1)	RADIATION MAP ZONE CC DWG G-143	NONE SEE NOTE (1)				TEBASCO FILE NO: EO-ME-4
FUNCTION: AM	AGING	140 YEARS + 11 YEAR ACCIDENT	NONE SEE NOTE (1)	FSAR SEC 3.11.1	NONE SEE NOTE (1)				
ACCURACY SPECIFIED: N/A	SUBMERGENCE	N/A	NONE SEE NOTE (1)						
ACCURACY DEMONS: N/A	FLOOD LEVEL FL: +5 FEET								
LOCATION: CONT BUILDING ELEVATION: +46.0 FT.	ABOVE FLOOD LEVEL: YES								
INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)	COORDINATES: N-E								REVISION NO. -01
OTHER EQUIPMENT THIS ODEF APPLIES TO:	ENVIRON'T IS HARSH								PREPARER: BM 07/30/82 DATE
REFERENCES:	EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER: SKS 07/30/82 DATE
	QUALIF STATUS: NOT QUALIFIED								SYSTEM: SAFETY INJECTION
									ODEF SHEET NO. -1153

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF. ?	SPEC.	QUALIF.				
SYSTEM:	SAFETY INJECTION	OPERATING TIME	1 HOUR	30 DAYS IN	FSAR	REF (1) P. 10-14	TYPE TEST		QUALIFIED LIFE IS: 5 YEARS	
COMPONENT:	LIMIT SWITCH			LOCA ENV	TABLE 3.11-2	FIGURE 3				
PLANT NUMBER:	2SI-F608TK2B	TEMPERATURE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF (1) P. 10-5&14	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3	
MANUFACTURER:	NAMCO	PRESSURE	44 PSIG PEAK	70 PSIG PEAK	LOCA PROFILE	REF (1) P. 10-5&14	TYPE TEST			
MODEL AND SERIAL NUMBER:	EA 180-21302	RELATIVE HUMIDITY	100%	100%	FSAR	REF (1) P. 10-9	TYPE TEST			
SERVICE DESCRIPTION:	NITROGEN FCV TO SI TANK 2B				TABLE 3.11-1	PARA 2				
FUNCTION:	AM	CHEMICAL SPRAY	PH5.0-9.0 BORON 1750 TO 2150 PPM	PH 10 TO 11 SPRAY COMP OF H3BO3 +NAOH	FSAR	REF (1) P. 10-9	TYPE TEST			
ACCURACY SPECIFIED:	N/A	RADIATION	33 MRADS	204 MRADS	RADIATION MAP ZONE	REF (1) P. 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
ACCURACY DEMONS.:	N/A				CC DWG G-143					
LOCATION:	CONT BUILDING	AGING	40 YEARS + 1 YEAR	1400 HRS AT 248F EQUIV TO 6 YRS	FSAR	REF. (1) P. 10-6	TYPE TEST			
ELEVATION:	+46 FT.			ACCIDENT AT 120F		(FIG.8) P. 4-12				
FLOOD LEVEL EL:	+4.5 FEET	SUBMERGENCE	N/R							
ABOVE FLOOD LEVEL:	YES									
COORDINATES:	S-E	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
ENVIRONMENT IS HARSH										PREPARER: BM 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO									DATE
QUALIF STATUS:	QUALIFIED									CHECKER : SKS 07/30/82
										DATE
										SYSTEM: SAFETY INJECTION
										QDEF SHEET NO.-1154

REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES. REPORT NO. QTR 105 REV 1.

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	1 HOUR	31 DAYS IN	FSAR TABLE	REF (1) APP XII			QUALIFIED LIFE IS: 40+1 YR ACC	
COMPONENT: SOLENOID W/2 LIMIT SWITCHES			LOCA ENV	3.11-2	FIG. 1	TEST			
PLANT NUMBER: 2SI-E632	TEMPERATURE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF (1) APP XII			MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: VALCOR	PRESSURE	44 PSIG PEAK	113 PSIG PEAK	LOCA PROFILE	REF. (1) APP XII				
MODEL AND SERIAL NUMBER: V 526-5295-7					FIG. 1	TEST			
SERVICE DESCRIPTION: SOL VLV SI TANK 1A TO CONT SUMP	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	REF. (1) APP XII				
				3.11-1	P 57 SFC5.6.3.1	TEST			
FUNCTION: AM	CHEMICAL SPRAY	PH5.0- 9.0 BORON 1750 TO 2150 PPM	PH 9.5 TO 10.5 BORON 2200 PPM	FSAR TABLE	REF. (1) APP XII				
ACCURACY SPECIFIED: N/A				3.11-1	P. 4-12	TEST			
ACCURACY DEMONS.: N/A	RADIATION	33 MRADS	200 MRADS	RADIATION MAP ZONE	REF. (1) APP XII			EBASCO FILE NO. EQ-ME-2	
				CC DWG	P. 3-1	TEST			
				G-143					
	AGING	40 YEARS + 1 YEAR	318 DEGF FOR 613.8 HOURS	FSAR SEC 3.11.1	REF(1) P.21	TEST +	YES		
LOCATION: CONT BUILDING					SEC 4.2.1	ENG.			
ELEVATION: +46 FT.						EVAL.			
FLOOD LEVEL EL: +.5 FEET	SUBMERGENCE	N/R							
ABOVE FLOOD LEVEL: YES									
COORDINATES: S-W	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: BM 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								DATE	
QUALIF STATUS: QUALIFIED								CHECKER :SKS 07/30/82	
								DATE	
								SYSTEM: SAFETY INJECTION	
								QDEF SHEET NO.-1155	

REFERENCES: (1) VALCOR SOLENOID IE QUALIFICATION REPORT QR52600-5940-2

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	SAFETY INJECTION	OPERATING TIME	1 HOUR	31 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) APP XII P 4-16 FIG.1			QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT:	SOLENOID W/2 LIMIT SWITCHES						TEST		
PLANT NUMBER:	2SI-E633	TEMPERATURE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF.(1) APP XII P. 4-16 FIG.1	TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	VALCOR	PRESSURE	44 PSIG PEAK	113 PSIG PEAK	LOCA PROFILE	REF.(1) APP XII P. 4-16 FIG.1	TEST		
MODEL AND SERIAL NUMBER:	V 526-5295-7	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF.(1) APP XII P. 57 SEC5.6.3.1	TEST		
SERVICE DESCRIPTION:	SOL VLV SI TANK 1B TO CONT SUMP	CHEMICAL SPRAY	PH5.0- 9.0 BORON 1750 TO 2150 PPM	PH 9.5 TO 10.5 BORON 2200 PPM	FSAR TABLE 3.11-1	REF.(1) APP XII P. 4-12 SEC.2.2.6	TEST		
FUNCTION:	AM	RADIATION	33 MRADS	200 MRADS	RADIATION MAP ZONE CC DWG G-143	REF.(1) APP XII P. 3-1	TEST		EBASCO FILE NO: EQ-ME-2
ACCURACY SPECIFIED:	N/A	AGING	40 YEARS + 1 YEAR	318 DEGF FOR 613.8 HOURS	FSAR SEC 3.11.1	REF(1) APP XII P 21 SEC.4.2.1	TEST + EVAL.		
ACCURACY DEMONS.:	N/A								
LOCATION:	CONT BUILDING								
ELEVATION:	+46 FT.								
FLOOD LEVEL EL:	+4.5 FEET								
ABOVE FLOOD LEVEL:	FT								
COORDINATES: S-W		INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:			REVISION NO.-01	
ENVIRON'T IS HARSH								PREPARER: BM 07/30/82 DATE	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER :SKS 07/30/82 DATE	
QUALIF STATUS: QUALIFIED					REFERENCES: (1) VALCOR SOLENOID IE QUALIFICATION REPORT QR 52600-5940-2			SYSTEM: SAFETY INJECTION	
		ANALYSIS M-5						QDEF SHEET NO.-1156	

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	SAFETY INJECTION	OPERATING TIME	1 HOUR	31 DAYS IN!	FSAR TABLE	REF. (1) APP XII		QUALIFIED LIFE IS: 40+1 YR ACC	
COMPONENT:	SOLENOID W/2 LIMIT SWITCHES			LOCA ENV	3.11-2	P.4-16 FIG.1	TYPE TEST		
PLANT NUMBER:	2SI-E634	TEMPERATURE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF. (1) APP XII	TYPE TEST	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	VALCOR	PRESSURE	44 PSIG PEAK	113 PSIG PEAK	LOCA PROFILE	REF. (1) APP XII	TYPE TEST		
MODEL AND SERIAL NUMBER:	V 526-5295-7	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	REF. (1) APP XII	TYPE TEST		
SERVICE DESCRIPTION:	SOL VLV SI TANK 2A TO CONT SUMP				3.11-1	P. 57 SEC5.6.3.1	TYPE TEST		
FUNCTION:	AM	CHEMICAL SPRAY	PH5.0- 9.0 TO 2150 PPM	PH 9.5 TO 10.5 BORON 2200 PPM	FSAR TABLE	REF. (1) APP XII	TYPE TEST		
ACCURACY SPECIFIED:	N/A	RADIATION	33 MRADS	200 MRADS	RADIATION MAP ZONE	REF. (1) APP XII	TYPE TEST	EBASCO FILE NO: EQ-ME-2	
ACCURACY DEMONS.:	N/A				CC DWG G-143	P. 3-1	TEST		
LOCATION:	CONT BUILDING	AGING	140 YEARS + 1 YEAR	318 DEGF FOR 613.8 HOURS	FSAR SEC 3.11.1	REF(1) P.21	TYPE TEST +		
ELEVATION:	+46 FT.	ACCIDENT				SEC 4.2.1	ENG. EVAL.		
FLOOD LEVEL EL:	+1.5 FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL:	YES								
COORDINATES:	N-E	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		REFERENCES: (1) VALCOR SOLENOID IE QUALIFICATION REPORT OR 52600-5940-2							PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED		ANALYSIS M-5							CHECKER: SKS 07/30/82 DATE
									SYSTEM: SAFETY INJECTION
									QDEF SHEET NO. -1157

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	SAFETY INJECTION	OPERATING TIME	1 HOUR	31 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF.(1) APP XII P. 4-16 FIG.1			QUALIFIED LIFE IS: 40+1 YR ACC	
COMPONENT:	SOLENOID W/2 LIMIT SWITCHES						TEST			
PLANT NUMBER:	2SI-E635	TEMPERATURE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF.(1) APP XII P. 4-16 FIG.1	TEST		MAINTENANCE / REPLACEMENT SCHED:	
MANUFACTURER:	VALCOR	PRESSURE	44 PSIG PEAK	113 PSIG PEAK	LOCA PROFILE	REF.(1) APP XII P. 4-16 FIG.1	TEST			
MODEL AND SERIAL NUMBER:	V 526-5295-7									
SERVICE DESCRIPTION:	SOL VLV SI TANK 2B TO CONT SUMP	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF.(1) APP XII P 57 SEC5.6.3.1	TEST			
FUNCTION:	AM	CHEMICAL SPRAY	PH 5.0-9.0 BORON 1750 TO 2150 PPM	PH 9.5 TO 10.5 BORON 2200 PPM	FSAR TABLE 3.11-1	REF.(1) APP XII P 4-12 SEC 2.2.6	TEST			
ACCURACY SPECIFIED:	N/A	RADIATION	33 MRADS	200 MRADS	RADIATION MAP ZONE CC DWG G-143	REF.(1) APP XII P. 3-1	TEST		EBASCO FILE NO: EQ-ME-2	
ACCURACY DEMONS.:	N/A									
LOCATION:	CONT BUILDING	AGING	40 YEARS + 1 YEAR	318 DEGF FOR 613.8 HOURS	FSAR SEC 3.11.1	REF(1) P.21 SEC. 4.2.1	TEST +	YES		
ELEVATION:	+46 FT.						EVAL.			
FLOOD LEVEL EL:	+5 FEET	SURMER- GENCE	N/R							
ABOVE FLOOD LEVEL:	YES									
COORDINATES:	S-E	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO. -01
ENVIRON'T IS HARSH										PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO										CHECKER : SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED									REFERENCES: (1) VALCOR SOLENOID IE QUALIFICATION REPORT QR 52600-5940-2	SYSTEM: SAFETY INJECTION QDEF SHEET NO. -1158

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	1 HOUR	31 DAYS IN	FSAR	REF.(1) APP XII		QUALIFIED LIFE IS:	
COMPONENT: SOLENOID W/2 LIMIT SWITCHES			LOCA ENV	TABLE	P. 4-16 FIG.1	TEST	40+1 YR ACC	
PLANT NUMBER: 2SI-E636	TEMPERATURE	269 DEG F	346 DEG F	LOCA PROFILE	REF.(1) APP XII P. 4-16 FIG.1	TEST	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: VALCOR	PRESSURE	44 PSIG	113 PSIG	LOCA PROFILE	REF.(1) APP XII P. 4-16 FIG.1	TEST		
MODEL AND SERIAL NUMBER: V 526-5295-7	RELATIVE HUMIDITY	100%	100%	FSAR	REF.(1) APP XII			
SERVICE DESCRIPTION: SOL VLV SI TANK 1A TO CONT SUMP	CHEMICAL SPRAY	PH5.0-9.0	PH 9.5 TO 10.5 BORON	FSAR	REF.(1) APP XII			
FUNCTION: AM		2150 PPM	2200 PPM	TABLE	P. 57 SEC5.6.3.1	TEST		
ACCURACY SPECIFIED: N/A	RADIATION	33 MRADS	200 MRADS	RADIATION	REF.(1) APP XII		EBASCO FILE NO: EQ-ME-2	
ACCURACY DEMONS.: N/A				CC DWG	P. 3-1 G-143	TEST		
LOCATION: CONT BUILDING	AGING	140 YEARS +	318 DEG F	FSAR	REF(1) P.21	TEST +	YES	
ELEVATION: +46 FT.	ACCIDENT		HOURS	SEC 3.11.1	SEC 4.2.1	ENG. EVAL.		
FLOOD LEVEL EL: +.5 FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL: YES								
COORDINATES: S-W	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								REVISION NO.-01
QUALIF STATUS: QUALIFIED								PREPARER:BM 07/30/82 DATE
								CHECKER :SKS 07/30/82 DATE
								REFERENCES: (1) VALCOR SOLENOID IE QUALIFICATION REPORT QR 52600-5940-2
	ANALYSIS M-5							SYSTEM:SAFETY INJECTION
								QDEF SHEET NO.-1159

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	1 HOUR	31 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF.(1) APP XII P. 4-16 FIG 1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC	
COMPONENT: SOLENOID W/2 LIMIT SWITCHES									
PLANT NUMBER: 2SI-E637	TEMPERATURE PEAK	269 DEGF	346 DEGF PEAK	LOCA PROFILE	REF.(1) APP XII P. 4-16 FIG 1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: VALCOR	PRESSURE PEAK	144 PSIG	113 PSIG PEAK	LOCA PROFILE	REF.(1) APP XII P. 4-16 FIG 1	TYPE TEST			
MODEL AND SERIAL NUMBER: V 526-5295-7	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF.(1) APP XII P. 4-16 FIG 1	TYPE TEST			
SERVICE DESCRIPTION: SOL VLV SI TANK 1B TO CONT SUMP					P 57 SEC5.6.3.1				
FUNCTION: AM	CHEMICAL SPRAY	PH5.0-9.0 BORON 1750 -2150 PPM	PH9.5-10.5 BORON 2200 PPM	FSAR TABLE 3.11-1	REF.(1) APP XII P. 4-12 SEC 2.2.6	TYPE TEST			
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS	200 M RADS	RADIATION MAP ZONE:CC	REF.(1) APP XII P 3-1 DWG:G-143	TYPE TEST		EBASCO FILE NO: EQ-ME-2	
ACCURACY DEMONS.: N/A	AGING	40 YEARS + 1 YEAR	318 DEGF FOR 613.8 HOURS	FSAR SEC 3.11.1	REF.(1) P. 21 SEC 4.2.1	TYPE TEST + ENG. EVAL.	YES		
LOCATION: CONT BUILDING ELEVATION: +46 FT.									
FLOOD LEVEL EL: +.5 FEET	SUBMERGENCE	N/R							
ABOVE JOD LEVEL: YES									
COORDINATES: N-W	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1) VALCOR SOLENOID IE QUALIFICATION REPORT QR 52600-5940-2								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER: SKS 07/30/82 DATE
									SYSTEM: SAFETY INJECTION
									QDEF SHEET NO. -1160

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	SAFETY INJECTION	OPERATING TIME	1 HOUR	31 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF.(1) APP XII P.4-16 FIG 1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC	
COMPONENT:	SOLENOID W/2 LIMIT SWITCHES									
PLANT NUMBER:	2SI-E638	TEMPERATURE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF.(1) APP XII P.4-16 FIG 1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	VALCOR	PRESSURE	44 PSIG PEAK	113 PSIG PEAK	LOCA PROFILE	REF.(1) APP XII P.4-16 FIG 1	TYPE TEST			
MODEL AND SERIAL NUMBER:	V 526-5295-7	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	REF.(1) APP XII P.4-16 FIG 1	TYPE TEST			
SERVICE DESCRIPTION:	SOL VLV SI TANK 2A TO CONT SUMP	CHEMICAL SPRAY	PH5.0-9.0 BORON 1750 -2150 PPM	PH9.5-10.5 BORON 2200 PPM	FSAR TABLE 3.11-1	REF.(1) APP XII P.4-12 SEC 2.2.6	TYPE TEST			
FUNCTION:	AM	RADIATION	33 M RADS	200 M RADS	RADIATION MAP ZONE:CC DWG:G-143	REF.(1) APP XII P.3-1	TYPE TEST		EBASCO FILE NO: EQ-ME-2	
ACCURACY SPECIFIED:	N/A	AGING	140 YEARS +1 YEAR	318 DEGF FOR 613.8 HOURS	FSAR SEC 3.11.1	REF.(1) P.21 SEC 4.2.1	TYPE TEST +		YES	
ACCURACY DEMONS.:	N/A	LOCATION: ELEVATION:	CONT BUILDING +46 FT.							
FLOOD LEVEL:	+1.5 FEET	SUBMERGENCE	N/R							
ABOVE FLOOD LEVEL:	YES									
COORDINATES:	N-E	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH:									REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO								PREPARER:BM 07/30/82 DATE	
QUALIF STATUS:	QUALIFIED								CHECKER :SKS 07/30/82 DATE	
						REFERENCES: (1) VALCOR SOLENOID IE QUALIFICATION REPORT OR 52600-5940-2			SYSTEM:SAFETY INJECTION	
									QDEF SHEET NO.-1161	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	1 HOUR	31 DAYS IN LOCA ENV	FSAR TABLE	REF.(1) APP XII	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC	
COMPONENT: SOLENOID W/2 LIMIT SWITCHES				3.11-2	P. 4-16 FIG.1				
PLANT NUMBER: 2SI-E639	TEMPERATURE UPE	269 DEGF PEAK	346 DEGF PEAK	LOCA PROFILE	REF.(1) APP XII	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: VALCOR	PRESSURE	44 PSIG PEAK	113 PSIG PEAK	LOCA PROFILE	REF.(1) APP XII	TYPE TEST			
MODEL AND SERIAL NUMBER: V 526-5295-7					P.4-16 FIG.1				
SERVICE DESCRIPTION: SOL VLV SI TANK 2B TO CONT SUMP	RELATIVE HUMIDITY	100%	100%	FSAR TABLE	REF.(1) APP XII	TYPE TEST			
				3.11-1	P 57 SEC5.6.3.1				
FUNCTION: A.M	CHEMICAL SPRAY	PH 5.0-9.0 BORON 1750 TO 2150 PPM	PH 9.5 TO 10.5 BORON 2200 PPM	FSAR TABLE	REF.(1) APP XII	TYPE TEST			
ACCURACY SPECIFIED: N/A				3.11-1	P 4-12 SEC 2.2.6				
ACCURACY DEMONS.: N/A	RADIATION	33 MRADS	200 MRADS	RAD MAP ZONE CC DWG G-143	REF(1) APP XII	TYPE TEST		EBASCO FILE NO: EQ-ME-2	
LOCATION: CONT BUILDING ELEVATION: + 46 FT.	AGING	40 REARS + 1 YEAR ACCIDENT	318 DEGF FOR 613.8 HOURS	FSAR SEC	REF.(1) P 21 SEC 4.2.1	TYPE TEST + ENG. EVAL.	YES		
FLOOD LEVEL EL: +.5 FEET	SUBMERGENCE	N/R							
ABOVE FLOOD LEVEL: YES									
COORDINATES: S-E	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1) VALCOR SOLENOID IE QUALIFICATION REPORT OR 52600-5940-2								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED	ANALYSIS M-5								CHECKER : SKS 07/30/82 DATE
									SYSTEM: SAFETY INJECTION
									QDEF SHEET NO.-1162

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAMPLING	OPERATING TIME	120 DAYS	NONE	FSAR TABLE	NONE	-		QUALIFIED LIFE IS:
COMPONENT: SOLENOID			(1)	3.11-2	(1)			
PLANT NUMBER: 2SL-F1501 A/B	TEMPERATURE PEAK	269 DEGF	NONE	LOCA PROFILE	NONE	-		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ASCO	PRESSURE	44 PSIG	NONE	LOCA PROFILE	NONE	-		
MODEL AND SERIAL NUMBER: HT 8302C26			(1)		(1)			(1)NO QUALIFICATION DOCUMENTS AVAILABLE. QUALIFIED REPLACEMENT
SERVICE DESCRIPTION: CONT ISO VLV	RELATIVE HUMIDITY	100%	NONE	FSAR TABLE	NONE	-		WILL BE INSTALLED BEFORE FUEL LOADING
FUNCTION: A.M	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON	NONE	FSAR TABLE	NONE	-		
ACCURACY SPECIFIED: N/A		1750 TO 2150 PPM	(1)	3.11-1	(1)			
ACCURACY DEMONS.: N/A	RADIATION	33 MRADS	NONE	RAD MAP ZONE CC DWG G-145	NONE	-		EBASCO FILE NO: EQ-ME-4
LOCATION: CONT BUILDING ELEVATION: +15.0 FT.	AGING	40 YEARS + 1 YEAR ACCIDENT	NONE	FSAR SEC 3.11.1	NONE	-		
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/R	-					
COORDINATES: S	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	REFERENCES:							PREPARER:BM 07/30/82 DATE
QUALIF STATUS: NOT QUALIFIED								CHECKER :SKS 07/30/82 DATE
								SYSTEM:SAMPLING
								QDEF SHEET NO.-1163

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	*	*		
SYSTEM: SAMPLING	OPERATING TIME	120 DAYS	NONE SEE NOTE (1)	FSAR TABLE	NONE SEE NOTE (1)	-		QUALIFIED LIFE IS:	
COMPONENT: SOLENOID				3.11-2	(1)				
PLANT NUMBER: 2SL-F1502 A/B	TEMPERATURE	269 DEGF PEAK	NONE SEE NOTE (1)	LOCA PROFILE	NONE SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ASCO	PRESSURE	44 PSIG PEAK	NONE SEE NOTE (1)	LOCA PROFILE	NONE SEE NOTE (1)	-			
MODEL AND SERIAL NUMBER: HT 8302C26	RELATIVE HUMIDITY	100%	NONE SEE NOTE (1)	FSAR TABLE	NONE SEE NOTE (1)	-		((1)NO QUALIFICATION DOCUMENTS AVAILABLE. QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING	
SERVICE DESCRIPTION: CONT ISO VLV	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON 1750-2150 PPM	NONE SEE NOTE (1)	FSAR TABLE	NONE SEE NOTE (1)	-			
FUNCTION: A.M				3.11-1	(1)				
ACCURACY SPECIFIED: N/A	RADIATION	33 MRADS	NONE SEE NOTE (1)	RAD MAP ZONE CC	NONE SEE NOTE (1)	-		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	40 YEARS + 1 YEAR	NONE SEE NOTE (1)	FSAR SEC. 3.11.1	NONE SEE NOTE (1)	-			
LOCATION: CONT BUILDING		ACCIDENT	(1)		(1)				
ELEVATION: +10.0 FT.									
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: YES									
COORDINATES: S-W	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO. -01
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:								CHECKER: SKS 07/30/82 DATE
QUALIF STATUS: NOT QUALIFIED									SYSTEM: SAMPLING
									QDEF SHEET NO. -1164

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAMPLING	OPERATING TIME	120 DAYS	NONE SEE NOTE (1)	FSAR TABLE	NONE SEE NOTE (1)	-		QUALIFIED LIFE IS:	
COMPONENT: SOLENOID				3.11-2	(1)				
PLANT NUMBER: 2SL-F1503 A/B	TEMPERATURE	269 DEGF PEAK	NONE SEE NOTE (1)	LOCA PROFILE	NONE SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ASCO	PRESSURE	44 PSIG PEAK	NONE SEE NOTE (1)	LOCA PROFILE	NONE SEE NOTE (1)	-		(1)NO QUALIFICATION DOCUMENTS AVAILABLE. QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING	
MODEL AND SERIAL NUMBER: HT 8302C26	RELATIVE HUMIDITY	100%	NONE SEE NOTE (1)	FSAR TABLE	NONE SEE NOTE (1)	-			
SERVICE DESCRIPTION: CONT ISO VLV				3.11-1	(1)				
FUNCTION: A.M	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON 1750-2150 PPM	NONE SEE NOTE (1)	FSAR TABLE	NONE SEE NOTE (1)	-			
ACCURACY SPECIFIED: N/A	RADIATION	33 MRADS	NONE SEE NOTE (1)	RAD MAP ZONE CC DWG G-145	NONE SEE NOTE (1)	-		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	40 YEARS + 1 YEAR ACCIDENT	NONE SEE NOTE (1)	FSAR SEC.3.11.1	NONE SEE NOTE (1)	-			
LOCATION: CONT BUILDING ELEVATION: +10.0 FT.									
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/R	-						
ABOVE FLOOD LEVEL: YES									
COORDINATES: S-W	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:		REVISION NO.-01
ENVIRON'T IS HARSH									PREPARER: BM 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									DATE
QUALIF STATUS: NOT QUALIFIED							REFERENCES:		CHECKER :SKS 07/30/82
									DATE
									SYSTEM: SAMPLING
									QDEF SHEET NO.-1165

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: SAMPLING	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 10-14 FIGURE 3	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 20 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 25L-F1504 A/B	TEMPERATURE	148 DEGF	346 DEGF PEAK	HVAC TEMP MAP DWG:G-145	REF (1) P '0-5814 FIGURE 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3	
MANUFACTURER: NAMCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA180-21302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: CONT ISO VLV									
FUNCTION: A.M	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	204 M RADS	RADIATION MAP ZONE FF DWG:G-145	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
ACCURACY DEMONS.: N/A									
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	AGING	40 YEARS + 1 YEAR	400 HRS AT 248F EQUIV TO 20 YRS AT 104F	FSAR SEC.3.11.1	REF (1) P 10-6 (FIGURE 8) P 4-12	TYPE TEST			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: LY-6A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:								
ENVIRON'T IS HARSH	ANALYSIS M-2								REVISION NO -01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO									PREPARER:BI 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
	REFERENCES: (1)NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO. QTR 105 REV 1.								SYSTEM: SAMPLING
									QDEF SHEET NO.-1166

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAMPLING	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENV	FSAR TABLE	REF (1) P.3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID				3.11-2	SEC 3.2.7	ENG. EVAL.		
PIANT NUMBER: 2SL-F1504 A/B	TEMPERATURE	148 DEGF	346 DEGF ² PEAK	HVAC TEMP MAP	REF (1) P4-4	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: 4 YRS COMPS REPLACEMENT REF(1) APP.I SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
MODEL AND SERIAL NUMBER: HV2068323F	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: CONT ISO VLV	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	200 MRADS	RADIATION MAP	REF (1) P4-4	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A	AGING	40 YEARS + 1 YEAR	268 F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC.3.11.1	REF (1) APP A P.9-3&4	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	INDEX FOR INCONSISTENCY:							
COORDINATES: LY-6A	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-1			REFERENCES: (1) ASCO TEST REPORT #AQS21678/TR REV. A-JULY 1979				PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								SYSTEM:SAMPLING
								QDEF SHEET NO.-1167

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: SAMPLING	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENVIRON	FSAR TABLE	REF (1) P 10-14 FIG. 3	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE IS: 20 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 2SL-F1505 A/B	TEMPERATURE	148 DEGF	346 DEGF PEAK	HVAC TEMP MAP	REF (1) P 10-5814 FIG. 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3	
MANUFACTURER: NAMCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA180-21302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
SERVICE DESCRIPTION: CONT ISO VLV									
FUNCTION: A.M	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	204 MRADS	RADIATION MAP	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: IEQ-ME-1	
ACCURACY DEMONS.: N/A									
LOCATION: AUX BUILDING	AGING	40 YEARS	400 HRS AT 248F EQUIV TO 20 YRS AT 104F	FSAR SEC. 3.11.1	REF (1) P 10-6 (FIG. 8)	TYPE TEST			
ELEVATION: -4.0 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: M-4A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRONMENT IS HARSH	ANALYSIS M-2								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									REVISION NO.-01
QUALIF STATUS: QUALIFIED									PREPARER: BM 07/30/82 DATE
									CHECKER: SKS 07/30/82 DATE
									REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES. REPORT NO. QTR 105 REV 1.
									SYSTEM: SAMPLING
									QDEF SHEET NO.-1168

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: SAMPLING	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENVIR	FSAR TABLE 3.11-2	REF (1) P.3-2 SEC 3.2.7	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID									
PLANT NUMBER: 2SL-F1505 A/B	TEMPERATURE	148 DEGF	346 DEGF PEAK	HVAC TEMP MAP DWG:G-145	REF (1) P 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD. 4 YRS COMPS. REPLACEMENT REF(1) APP.I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: HV 2058323F	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: CONT ISO VLV	CHEMICAL SPRAY	N/R	-			-			
FUNCTION: A.M									
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	200 MRADS	RADIATION MAP ZONE- FF DWG G- 145	REF (1) P4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	40 YEARS + 1 YEAR	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC.3.11.1	REF (1) APP A P.9-3 & 4	TYPE TEST			
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	SUBMERGENCE	N/R	-			-			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A									
COORDINATES: M-4A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-1								PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO									CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED									REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV.A - JULY 1979
									SYSTEM: SAMPLING
									QDEF SHEET NO.-1169

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: SAMPLING	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 10-14	FIGURE 3	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 20 YEARS
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 2SL-F1506 A/B	TEMPERATURE	148 DEGF	346 DEGF PEAK	HVAC TEMP MAP DWG:G-145	REF (1) P 10-5814	FIGURE 3	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3
MANUFACTURER: NAMCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)				(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 180-21302	RELATIVE HUMIDITY	120-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)				
SERVICE DESCRIPTION: CONT ISO VLV	CHEMICAL SPRAY	N/R	-	-	-	-	-		
FUNCTION: A.M									
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	204 MRADS	RADIATION MAP ZONE: FF DWG: G-145	REF (1) P 10-7		TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A	AGING	40 YEARS + 1 YEAR	400 HRS AT 248F EQUIV TO 20 YRS AT 104F	FSAR SEC.3.11.1	REF (1) P 10-6	(FIGURE B)	TYPE TEST		
LOCATION: AUX BUILDING									
ELEVATION: -4.0 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-	-		
ABOVE FLOOD LEVEL: N/A									
COORDINATES: M-4A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-2								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:NO									REFERENCES: (1)NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO. QTR 105 REV 1.
QUALIF STATUS: QUALIFIED									REVISION NO.-01
									PREPARER:BM 07/30/82 DATE
									CHECKER :SKS 07/30/82 DATE
									SYSTEM: SAMPLING
									QDEF SHEET NO.-1170

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAMPLING	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENVIR	FSAR TABLE	REF (1) P.3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID				3.11-2	SEC 3.2.7	ENG EVAL		
PLANT NUMBER: 2SL-F1506 A/B	TEMPERATURE	148 DEGF	346 DEGF PEAK	HVAC TEMP MAP	REF (1) P 4-4	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1) APP. I SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
MODEL AND SERIAL NUMBER: HV 2068323F	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1) PESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: CONT ISO VLV	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	200 MRADS	RADIATION MAP	REF (1) P 4-4	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A	AGING	40 YEARS + 1 YEAR	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC.3.11.1	REF (1) APP A P.9-3 & 4	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
COORDINATES: M-5A	ANALYSIS M-1							OTHER EQUIPMENT THIS QDEF APPLIES TO:
ENVIRON'T IS HARSH								REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV.A - JULY 1979
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								REVISION NO.-01
QUALIF STATUS: QUALIFIED								PREPARER:BM 07/30/82 DATE
								CHECKER :SKS 07/30/82 DATE
								SYSTEM: SAMPLING
								QDEF SHEET NO.-1171

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAMPLING	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENVIR	FSAR TABLE	REF(1) P.10-14	TYPE TEST +	YES	QUALIFIED LIFE IS: 20 YEARS
COMPONENT: LIMIT SWITCH				3.11-2	FIG. 3	ENG. EVAL.		
PLANT NUMBER: 2SL-F602	TEMPERATURE	148 DEGF	346 DEGF PEAK	HVAC TEMP MAP	REF(1) P.10-5&14	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3
MANUFACTURER: NAMCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
MODEL AND SERIAL NUMBER: EA 180-31302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		((1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: CONT ISO VLV	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	204 MRADS	RADIATION MAP ZONE	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A	AGING	40 YEARS + 1 YEAR	400 HRS AT 248F EQUIV TO 20 YRS AT 104F	FSAR SEC.3.11.1	REF (1) P 10-6 (FIG.8)	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	INDEX FOR INCONSISTENCY:							
COORDINATES: LY-6A	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-2	O	T	P	H	C	R	PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES. REPORT NO. QTR 105 REV 1. SYSTEM:SAMPLING
								QDEF SHEET NO.-1172

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION			QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY	ANALYZED	
SYSTEM: SAMPLING	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENVIR	FSAR TABLE	REF(1) P.3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID	TEMPERATURE	148 DEGF	316 DEGF PEAK	HVAC TEMP MAP	REF(1) P 4-4	TYPE TEST		MAINTENANCE / REPLACEMENT SC:ID: 4 YRS COMPS REPLACEMENT REF(1) APP.I SEC 3.2.3.13	
PLANT NUMBER: 2SL-F602	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		((1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: NP 8321A1E	CHEMICAL SPRAY	N/R	-	-	-	-			
SERVICE DESCRIPTION: CONT ISO VLV	RADIATION	64,000 RADS	200 MRADS	RADIATION MAP	REF(1) P 1-4	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
FUNCTION: A.M	AGING	40 YEARS + 1 YEAR ACCIDENT	268 F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC.3.11.1	REF(1) APP.A P 9-3&4	TYPE TEST			
ACCURACY SPECIFIED: N/A	SUBMERGENCE	N/R	-	-	-	-			
ACCURACY DEMONS.: N/A	!INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-1								
LOCATION: AUX BUILDING	OTHER EQUIPMENT THIS QDEF APPLIES TO:								
ELEVATION: -4 FT.	REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV.A JULY 1979								
FLOOD LEVEL EL: N/A FEET	! REVISION NO. -01								
ABOVE FLOOD LEVEL: N/A	! PREPARER: BM 07/30/82								
COORDINATES: M-6A	! DATE								
ENVIRON'T IS HARSH	! CHECKER :SKS 07/30/82								
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	! DATE								
QUALIF STATUS: QUALIFIED	! SYSTEM: SAMPLING								
	! QDEF SHEET NO. -1173								

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAMPLING	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENVIR	FSAR TABLE	REF (1) P 10-14	TYPE TEST + ENG EVAL	YES	QUALIFIED LIFE IS: 20 YEARS
COMPONENT: LIMIT SWITCH				3.11-2	FIG 3			
PLANT NUMBER: 2SL-F604	TEMPERATURE	148 DEGF	346 DEGF PEAK	HVAC TEMP MAP	REF (1) P 10-5 & 14	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3
MANUFACTURER: NAMCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1) PRESSURE AND RELATIVE HUMIDITY ARE NOT CONSIDER- ED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 180-31302	RELATIVE HUMIDITY	120-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		
SERVICE DESCRIPTION: CONT ISO VLV				3.11-1				
FUNCTION: A.M	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	204 MRADS	RADIATION MAP	REF (1) P 10-7	TYPE TEST		ERASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A				ZONE: FF DWG: G-145				
LOCATION: AUX BUILDING	AGING	40 YEARS + 1 YEAR	400 HRS AT 248F EQUIV	FSAR SEC. 3.11.1	REF (1) P 10-6	TYPE TEST		
ELEVATION: -4 FT.		ACCIDENT	TO 20 YRS AT 104F		(FIG.8) P4-12			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: N-10A	INDEX FOR INCONSISTENCY!							
ENVIRONMENT IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-2							PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED	REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES. REPORT NO. QTR 105 REV 1.							CHECKER :SKS 07/30/82 DATE
								SYSTEM: SAMPLING
								QDEF SHEET NO.-1174

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAMPLING	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENVIRON.	FSAR TABLE	REF (1) P.3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID				3.11-2	SEC.3.2.7	ENG. EVAL.			
PLANT NUMBER: 2SL-F604	TEMPERATURE	148 DEGF	346 DEGF PEAK	HVAC TEMP MAP DWG G-145	REF (1) P. 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-		(1) PRESS AND RELATIVE HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: NP 8321A1E	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE	SEE NOTE (1)	-			
SERVICE DESCRIPTION: CONT ISOL VLV.				3.11-1					
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	64,000 RADS	200 M RADS	RADIATION MAPS	REF (1) P. 4-4	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A				ZONE-FF DWG G-145	SEC 4.6				
LOCATION: AUX BUILDING ELEVATION: -4.0 FT.	AGING	40 YEARS + 1 YR.	268F FOR 12DAYS EQV TO 4.4YRS. AT 140F	FSAR SEC	REF (1) APP.A P.9-3&4	TYPE TEST			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R	-	-	-	-			
COORDINATES: N-10A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-1								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO									PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
	REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV A JULY 1979								SYSTEM: SAMPLING
									QDEF SHEET NO.-1175

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHRGING PUMPS ROOM AIR COND.	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 2.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: FAN MOTOR					PG-10 OF WCAP-9112			
PLANT NUMBER: E-18(3B-SB)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-134	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SECT.2.6.2 (PG-3) OF WCAP-9112	TYPE TEST		
MODEL AND SERIAL NUMBER: TEFC FRAME 145T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		((1))TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION.THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURNG NORMAL SHUTDOWN MODE OF OPERATION.
SERVICE DESCRIPTION: SERVING UNIT E-18(3B-SB)	CHEMICAL SPRAY	N/R						(2) EBASCO FILE NO. EQ-HV-1
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	200 MRADS	RADIATION MAPS ZONE:M DWG. G-134	APPENDIX B OF WCAP-9112	TYPE TEST		
ACCURACY DEMONS.: N/A	AGING	N/K						
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL:								
COORDINATES: L & 4A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
ENVIRON'T IS HARSH	O! T! P! H! C! R! A! S!							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IE MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)							PREPARER: EAB 07/30/82 DATE CHECKER: HSP 07/30/82 DATE
								SYSTEM: CHRGING PUMPS ROOM AIR CCND. QDEF SHEET NO.-1176

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	OPERATING	!!	!	!	!	!	!	QUALIFIED LIFE IS: 40+1 YR ACC	
COMPONENT: FOR FUTURE	TIME	!!	!	!	!	!	!		
PLANT NUMBER: RESERVED	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: USE	PRESSURE	!!	!	!	!	!	!		
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!		
SERVICE DESCRIPTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
FUNCTION:	RADIATION	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	AGING	!!	!	!	!	!	!		
ACCURACY DEMONS.:		!!	!	!	!	!	!		
LOCATION: BUILDING		!!	!	!	!	!	!		
ELEVATION: FT.		!!	!	!	!	!	!		
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!		
COORDINATES:	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: (IF REQUIRED) !						!	!	REVISION NO. -
ENVIRON'T IS			O!					!	PREPARER: 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:			T!					!	DATE
QUALIF STATUS:			P!					!	CHECKER : 07/30/82
			H!	REFERENCES:				!	DATE
			C!					!	
			R!					!	SYSTEM:
			A!					!	
			S!					!	QDEF SHEET NO.-1177

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	CHRGING PUMPS ROOM AIR COND.	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT:	FAN MOTOR					PG-10 OF WCAP-9112			
PLANT NUMBER:	AH-18(3A-SA)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-137	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	WESTINGHOUSE	PRESSURE	ATMOSPHER- IC	ATMOSPHER- IC	FSAR TABLE 3.11-1	SECT.2.6.2 (PG-3) OF WCAP-9112	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIF-
MODEL AND SERIAL NUMBER:	TEFC FRAME 182T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		ICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AF- FECTED BY ACCIDENT CONDITION INSIDE CONTAINMENT ANYMORE THAN DURNG NORMAL SHUTDOWN MODE OF OPERATION.
SERVICE DESCRIPTION:	SERVING UNIT AH- 'B(3A-SA)	CHEMICAL SPRAY	N/R						(2) EBASCO FILE NO. EQ-HV-1
FUNCTION:	AM								
ACCURACY SPECIFIED:	N/A	RADIATION	8.9 MRADS	200 MRADS	RADIATION MAPS ZONE: S DWG. G-137	APPENDIX B OF WCAP-9112	TYPE TEST		
ACCURACY DEMONS.:	N/A								
LOCATION:	AUX BUILDING	AGING	N/R						
ELEVATION:	-35 FT.								
FLOOD LEVEL EL:	N/A FEET	SUBMER- GENCE	N/R						
ABOVE FLOOD LEVEL:									
COORDINATES:	J & 1A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS HARSH									REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:									PREPARER: EAB 07/30/82 DATE
QUALIF STATUS:	QUALIFIED								CHECKER :HSP 07/30/82 DATE
									REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IIE MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)
									SYSTEM:CHRGING PUMPS ROOM AIR COND.
									QDEF SHEET NO.-1178

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHRGING PUMPS ROOM AIR COND.	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: FAN MOTOR					PG-10 OF WCAP-9112			
PLANT NUMBER: AH-18(3B-SB)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-137	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SECT.2.6.2 (PG-3) OF WCAP-9112	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT
MODEL AND SERIAL NUMBER: TEFC FRAME 182T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY ACCIDENT CONDITION INSIDE CONTAINMENT
SERVICE DESCRIPTION: SERVING UNIT AH-18(3B-SB)	CHEMICAL SPRAY	N/R						NAYMORE THAN DURNG NORMAL SHUTDOWN MODE OF OPERATION.
FUNCTION: AM								(2) EBASCO FILE NO. EQ-HV-1
ACCURACY SPECIFIED: N/A	RADIATION	8.9 MRADS	200 MRADS	RADIATION MAPS ZONE: S DWG. G-137	APPENDIX B OF WCAP-9112	TYPE TEST		
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING ELEVATION: -35 FT.	AGING	N/R						
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL:								
COORDINATES: J & 3A	!INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS HARSH								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:								PREPARER: AB/ 07/30/82 DATE
QUALIF STATUS: QUALIFIED								CHECKER :HSP 07/30/82 DATE
								REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IIE MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)
								SYSTEM:CHRGING PUMPS ROOM AIR COND.
								QDEF SHEET NO.-1179

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	CHRGING PUMPS ROOM AIR COND.	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC	
COMPONENT:	FAN MOTOR					PG-10 OF WCAP-9112				
PLANT NUMBER:	AH-22(3A-SAB)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-137	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	WESTINGHOUSE	PRESSURE	ATMOSPHER- IC	ATMOSPHER- IC	FSAR TABLE 3.11-1	SECT.2.6.2 (PG-3) OF WCAP-9112	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUM- IDITY ARE NOT CONSIDERED SIGNIF- ICANT PARAMETES FOR EVALUATION. THESE ARE NOT AF- FECTED BY ACCIDENT CONDITION INSIDE CONTAINMENT ANYMORE THAN DURNG NORMAL SHUTDOWN MODE OF OPERATION.	
MODEL AND SERIAL NUMBER:	TEFC FRAME 182T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		(2) EBASCO FILE NO. EQ-HV-1	
SERVICE DESCRIPTION:	SERVING UNIT AH-22(3A-SAB)	CHEMICAL SPRAY	N/R							
FUNCTION:	AM									
ACCURACY SPECIFIED:	N/A	RADIATION	8.9 MRADS	200 MRADS	RADIATION MAPS ZONE: S DWG. G-137	APPENDIX B OF WCAP-9112	TYPE TEST			
ACCURACY DEMONS.:	N/A	AGING	N/R							
LOCATION:	AUX BUILDING									
ELEVATION:	-35 FT.									
FLOOD LEVEL EL:	N/A FEET	SUBMER- GENCE	N/R							
ABOVE FLOOD LEVEL:										
COORDINATES:	J & 2A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
ENVIRON'T IS HARSH										
EQUIPMENT EXEMPT FROM QUALIFICATION:									PREPARER: EAB 07/30/82 DATE	
QUALIF STATUS:	QUALIFIED								CHECKER :HSP 07/30/82 DATE	
									REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IE MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)	
									SYSTEM:CHRGING PUMPS ROOM AIR COND.	
									QDEF SHEET NO.-1180	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC	
COMPONENT: FAN MOTOR					PG-10 OF WCAP-9112				
PLANT NUMBER: E-41(3A-SA)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-134	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SECT.2.6.2 (PG-3) OF WCAP-9112	TYPE TEST			
MODEL AND SERIAL NUMBER: TEFC FRAME 254T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY ACCIDENT CONDITION INSIDE CONTAINMENT ANYMORE THAN DURNG NORMAL SHUTDOWN MODE OF OPERATION.	
SERVICE DESCRIPTION: SERVING FAN E-41(3A-SA)	CHEMICAL SPRAY	N/R						(2) EBASCO FILE NO. EQ-HV-1	
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	200 MRADS	RADIATION MAPS ZONE:M DWG. G-134	APPENDIX B OF WCAP-9112	TYPE TEST			
ACCURACY DEMONS.: N/A									
LOCATION: AUX BUILDING ELEVATION: +46 FT.	AGING	N/R							
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL:	SUBMERGENCE	N/R							
COORDINATES: K & 6A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: EAB 07/30/82 DATE	
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER :HSP 07/30/82 DATE	
QUALIF STATUS: QUALIFIED								REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IE MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)	
								SYSTEM:H & V EQUIP. ROOM VENTIL'TN QDEF SHEET NO. -1181	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: H & V EQUIP. ROOM VENTIL'TN	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1 PG-10 OF WCAP-9112	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: FAN MOTOR								
PLANT NUMBER: E-41(3B-SB)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-134	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHER-IC	ATMOSPHER-IC	FSAR TABLE 3.11-1	SECT.2.6.2 (PG-3) OF WCAP-9112	TYPE TEST		
MODEL AND SERIAL NUMBER: TEFC FRAME 254T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIF-ICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AF-FECTED BY ACCIDENT CONDITION INSIDE CONTAINMENT ANYMORE THAN DURNG NORMAL SHUTDOWN MODE OF OPERATION.
SERVICE DESCRIPTION: SERVING FAN E-41(3B-SB)	CHEMICAL SPRAY	N/R						(2) EBASCO FILE NO. EQ-HV-1
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	200 MRADS	RADIATION MAPS ZONE:M DWG. G-134	APPENDIX B OF WCAP-9112	TYPE TEST		
ACCURACY DEMONS.: N/A	AGING	N/R						
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMER- GENCE	N/R						
ABOVE FLOOD LEVEL:								
COORDINATES: K & 8A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:								PREPARER: EAB 07/30/82 DATE
QUALIF STATUS: QUALIFIED								CHECKER :HSP 07/30/82 DATE
				REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IE MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)				SYSTEM:H & V EQUIP. ROOM VENTIL'TN QDEF SHEET NO.-1182

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	SHIELD BLDG. VENTILAT'N	OPERATING TIME	120 DAYS	QUALIFICATION IN PROCESS	FSAR TABLE 3.11-2	ANALYSIS W-07			QUALIFIED LIFE IS:	
COMPONENT:	ELEC. HEATING COIL									
PLANT NUMBER:	EHC-51(3A-SA)	TEMPERATURE	222 DEGF	QUALIFICATION IN PROCESS	ENGR. CALCULATION H-08	ANALYSIS W-07			MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	INDEECO	PRESSURE			FSAR TABLE 3.11-1	NOTE (1)				
MODEL AND SERIAL NUMBER:	BLAST COIL 60 KW	ATMOSPHERIC IC		ATMOSPHERIC IC					(1) PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION.	
SERVICE DESCRIPTION:	FILT. UNIT E-17(3A-SA)	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	NOTE (1)			THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURNG NORMAL SHUTDOWN MODE OF OPER.	
FUNCTION:	AM	CHEMICAL SPRAY	N/R						(2)VENDOR TO SUBMIT ADDITIONAL DATA.	
ACCURACY SPECIFIED:	N/A	RADIATION	2.5 MRADS	QUALIFICATION IN PROCESS	RADIATION MAPS ZONE:M DWG. G-134	ANALYSIS W-07			(3)EBASCO FILE NO: EQ-HV-9	
ACCURACY DEMONS.:	N/A	AGING	40 YEARS	QUALIFICATION IN PROCESS	FSAR SECTION 3.11-1	ANALYSIS W-07				
LOCATION:	AUX BUILDING									
ELEVATION:	+46 FT.									
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R							
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	L & 2A	INDEX FOR INCONSISTENCY!								
ENVIRON'T IS HARSH		ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:		ANALYSIS W07	O!						PREPARER:EAB 07/30/82	
QUALIF STATUS:		ANALYSIS W07	T!						DATE	
CONDITIONALLY ACCEPTABLE			P!						CHECKER :AKB 07/30/82	
SEE NOTE (2)			H!	REFERENCES:	(1) INDEECO LETTER,DT. 10/9/81				DATE	
			C!		(2) INDEECO LETTER,DT. 1/26/81					
			R!		(WITH ATTACHMENTS)				SYSTEM:SHIELD BLDG. VENTILAT'N	
			A!						QDEF SHEET NO.-1183	
			S!							

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	SHIELD BLDG. VENTILAT'N	OPERATING TIME	120 DAYS	QUALIFICATION IN PROCESS	FSAR TABLE 3.11-2	ANALYSIS W-07			QUALIFIED LIFE IS:
COMPONENT:	ELEC. HEATING COIL								
PLANT NUMBER:	EHC-51(3B-SB)	TEMPERATURE	222 DEGF	QUALIFICATION IN PROCESS	ENGR. CALCULATION H-08	ANALYSIS W-07			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	INDEECO	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	NOTE (1)			(1)PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION.
MODEL AND SERIAL NUMBER:	BLAST COIL 60 KW	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	NOTE (1)			THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUTDOWN MODE OF OPERATION.(2) VENDOR TO SUBMIT ADD-DATA(3)EBASCO FILE EQ-HV-9
SERVICE DESCRIPTION:	FILT. UNIT E-17(3B-SB)	CHEMICAL SPRAY	N/R						
FUNCTION:	AM								
ACCURACY SPECIFIED:	N/A	RADIATION	2.5 MRADS	QUALIFICATION IN PROCESS	RADIATION MAPS ZONE:M DWG. G-134	ANALYSIS W-07			
ACCURACY DEMONS.:	N/A	AGING	40 YEARS	QUALIFICATION IN PROCESS	FSAR SECTION 3.11-1	ANALYSIS W-07			
LOCATION:	AUX BUILDING								
ELEVATION:	+46 FT.								
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL:	N/A								
COORDINATES:	L & 7A	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH		ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:		ANALYSIS W07							REVISION NO.-01
QUALIF STATUS:	CONDITIONALLY ACCEPTABLE SEE NOTE (2)	ANALYSIS W07							PREPARER: EAB 07/30/82
		ANALYSIS W07							DATE
		ANALYSIS W07							CHECKER :AKB 07/30/82
		ANALYSIS W07							DATE
		ANALYSIS W07							REFERENCES: (1) INDEECO LETTER,DT. 10/9/81
		ANALYSIS W07							(2) INDEECO LETTER,DT. 1/26/81
		ANALYSIS W07							(WITH ATTACHMENTS)
		ANALYSIS W07							SYSTEM:SHIELD BLDG. VENTILAT'N
		ANALYSIS W07							QDEF SHEET NO.-1184

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC	
COMPONENT: PUMP MOTOR					PG-10 OF WCAP-9112				
PLANT NUMBER: P-1(3A-SA)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-134	SEC. 2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SECT. 2.6.2 (PG-3) OF WCAP-9112	TYPE TEST		(1) TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT	
MODEL AND SERIAL NUMBER: TEFC FRAME 324T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC. 2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURNG NORMAL SHUTDOWN MODE OF OPERATION.	
SERVICE DESCRIPTION: SERV CHLD WTR PMP P-1(3A-SA)	CHEMICAL SPRAY	N/R						(2) EBASCO FILE NO. EQ-HV-1	
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	200 MRADS	RADIATION MAPS ZONE: M DWG. G-134	APPENDIX B OF WCAP-9112	TYPE TEST			
ACCURACY DEMONS.: N/A	AGING	N/R							
LOCATION: AUX BUILDING ELEVATION: +46 FT.									
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL:	SUBMERGENCE	N/R							
COORDINATES: K & 2A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: EAB 07/30/82 DATE	
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER: HSP 07/30/82 DATE	
QUALIF STATUS: QUALIFIED								REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IIE MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)	
								SYSTEM: CHILLED WATER	
								QDEF SHEET NO.-1185	

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	QUALIFICATION IN PROCESS	FSAR TABLE 3.11-2	ANALYSIS W-07			QUALIFIED LIFE IS:
COMPONENT: ELEC. HEATING COIL								
PLANT NUMBER: EHC-48(3A-SA)	TEMPERATURE	127 DEGF	QUALIFICATION IN PROCESS	ENGR. CALCULATION H-08	ANALYSIS W-07			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: INDEECO	PRESSURE			FSAR TABLE 3.11-1	NOTE (1)			
MODEL AND SERIAL NUMBER: BLAST COIL 20 KW	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	NOTE (1)			(1)PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION.
SERVICE DESCRIPTION: E-23(3A-SA)	CHEMICAL SPRAY	N/R						THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUTDOWN MODE OF OPERATION. (2)VENDOR TO SUBMIT ADDITIONAL DATA. (3)EBASCO FILE NO:EQ-HV-9
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	QUALIFICATION IN PROCESS	RADIATION MAPS ZONE:M DWG. G-134	ANALYSIS W-07			
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING	AGING	40 YEARS	QUALIFICATION IN PROCESS	FSAR SECTION 3.11-1	ANALYSIS W-07			
ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J & 6A	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS W07							REVISION NO. -01
QUALIF STATUS: CONDITIONALLY ACCEPTABLE SEE NOTE (2)	ANALYSIS W07							PREPARER: EAB 07/30/82 DATE
	ANALYSIS W07							CHECKER :AKB 07/30/82 DATE
	ANALYSIS W07							REFERENCES: (1) INDEECO LETTER,DT, 10/9/81 (2) INDEECO LETTER,DT, 1/26/81 (WITH ATTACHMENTS)
	ANALYSIS W07							SYSTEM: CONTROLLED AREA VENTIL'N
	ANALYSIS W07							QDEF SHEET NO. -1186

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONT. ATMOS. RELEASE(CARS)	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT: PUMP MOTOR					PG-10 OF WCAP-9112			
PLANT NUMBER: S-3(3B-SB)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-134	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SECT.2.6.2 (PG-3) OF WCAP-9112	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT
MODEL AND SERIAL NUMBER: TEFC FRAME 145T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		PARAMETERS FOR EVALUATION.THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURNG NORMAL SHUTDOWN MODE OF OPERATION.
SERVICE DESCRIPTION: SERVING FAN S-3 (3B-SB)	CHEMICAL SPRAY	N/R						(2) EBASCO FILE NO. EQ-HV-1
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	200 MRADS	RADIATION MAPS ZONE:M DWG. G-134	APPENDIX B OF WCAP-9112	TYPE TEST		
ACCURACY DEMONS.: N/A	AGING	N/R						
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL:	SUBMERGENCE	N/R						
COORDINATES: L & SA ENVIRON'T IS HARSH	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED			O! T! P! H! C! R! A! S!	REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IE MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)				PREPARER: EAB 07/30/82 DATE CHECKER :HSP 07/30/82 DATE
								SYSTEM:CONT. ATMOS. RELEASE(CARS) QDEF SHEET NO.-1187

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	CONT. ATMOS. RELEASE(CARS)	OPERATING TIME	120 DAYS	1 YEAR	FSAR TABLE 3.11-2	SECTION 2.10.7.1	TYPE TEST		QUALIFIED LIFE IS: 40+1 YR ACC
COMPONENT:	PUMP MOTOR					PG-10 OF WCAP-9112			
PLANT NUMBER:	S-3(3A-SA)	TEMPERATURE	104 DEGF	130 DEGC	HVAC TEMP MAPS DWG NO: G-134	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	WESTINGHOUSE	PRESSURE	ATMOSPHERIC	ATMOSPHERIC	FSAR TABLE 3.11-1	SECT.2.6.2 (PG-3) OF WCAP-9112	TYPE TEST		
MODEL AND SERIAL NUMBER:	TEFC FRAME 145T	RELATIVE HUMIDITY	20-90%	100%	FSAR TABLE 3.11-1	SEC.2.10.7 (PG-9) OF WCAP-9112	TYPE TEST		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION.THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURNG NORMAL SHUTDOWN MODE OF OPERATION.
SERVICE DESCRIPTION:	SERVING FAN S-3 (3A-SA)	CHEMICAL SPRAY	N/R						
FUNCTION:	AM								
ACCURACY SPECIFIED:	N/A	RADIATION	2.5 MRADS	200 MRADS	RADIATION MAPS ZONE:M DWG. G-134	APPENDIX B OF WCAP-9112	TYPE TEST		(2) EBASCO FILE NO. EQ-HV-1
ACCURACY DEMONS.:	N/A	AGING	N/R						
LOCATION:	AUX BUILDING								
ELEVATION:	+46 FT.								
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL:									
COORDINATES:	L & 5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:		O						PREPARER: EAB 07/30/82	
QUALIF STATUS:	QUALIFIED	T						DATE	
		P						CHECKER :HSP 07/30/82	
		H			REFERENCES: (1) WESTINGHOUSE QUALIFICATION REPORT WCAP-9112 FOR CLASS IE MEDIUM A.C. MOTORS (OUTSIDE CONTAINMENT)			DATE	
		C						SYSTEM:CONT. ATMOS. RELEASE(CARS)	
		R						QDEF SHEET NO. -1188	
		A							
		S							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CONTROLLED AREA VENTIL'N	OPERATING TIME	120 DAYS	QUALIFICATION IN PROCESS	FSAR TABLE 3.11-2	ANALYSIS W-07			QUALIFIED LIFE IS:
COMPONENT: ELEC. HEATING COIL								
PLANT NUMBER: EHC-4B(3B-SB)	TEMPERATURE	127 DEGF	QUALIFICATION IN PROCESS	ENGR. CALCULATION H-0B	ANALYSIS W-07			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: INDEECO	PRESSURE			FSAR TABLE 3.11-1	NOTE (1)			
MODEL AND SERIAL NUMBER: BLAST COIL 20 KW	ATMOSPHERIC HUMIDITY	100%	ATMOSPHERIC 100%					(1)PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE THE CONTAINMENT ANYMORE THAN DURING NORMAL SHUT DOWN MODE OF OPERATION. (2)VENDOR TO SUBMIT ADDITIONAL DATA. (3)EBASCO FILE NO:EQ-HV-9
SERVICE DESCRIPTION: E-23(3B-SB)	RELATIVE HUMIDITY	100%	100%	FSAR TABLE 3.11-1	NOTE (1)			
FUNCTION: AM	CHEMICAL SPRAY	N/R						
ACCURACY SPECIFIED: N/A	RADIATION	2.5 MRADS	QUALIFICATION IN PROCESS	RADIATION MAPS ZONE:M DWG. G-134	ANALYSIS W-07			
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING ELEVATION: +46 FT.	AGING	40 YEARS	QUALIFICATION IN PROCESS	FSAR SECTION 3.11-1	ANALYSIS W-07			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R						
COORDINATES: J & 7A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:								PREPARER: EAB 07/30/82 DATE
QUALIF STATUS: CONDITIONALLY ACCEPTABLE SEE NOTE (2)								CHECKER :AKB 07/30/82 DATE
				REFERENCES: (1) INDEECO LETTER,DT, 10/9/81 (2) INDEECO LETTER,DT, 1/26/81 (WITH ATTACHMENTS)				SYSTEM:CONTROLLED AREA VENTIL'N QDEF SHEET NO.-1189

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	TOTAL 230 DAYS UNDER NORMAL AND DBE CONDS.	FSAR TABLE 3.11-2	REF (1) P.11 OF 25 TABLE I	TYPE TEST		QUALIFIED LIFE IS: 2 YEARS
COMPONENT: HYDRAMOTOR	TEMPERATURE	104 DEGF	SEE NOTE ((1))	HVAC DWG NO. G-134	SEE NOTE ((1))	-		MAINTENANCE / REPLACEMENT SCHD: TABLE I ITT GC REPORT NO 721.81.138
PLANT NUMBER: 3AC-FM129A	PRESSURE	ATM	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))	-		
MANUFACTURER: ITT GENERAL CONTROLS	RELATIVE HUMIDITY	150%	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))	-		((1))TEMPERATURE, PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: NH-92	CHEMICAL SPRAY	N/R	-	-	-	-		
SERVICE DESCRIPTION: SERVING VALVE 3AC-FM129A	RADIATION	900,000 RADS	1.0 MRADS	APP.PHYS. MEMO DATED 8/24/81 FR T.L.YANG	REF (1) P 14 OF 25 SEC 5.4.1	QUANT. ANAL.		EBASCO FILE NO: EQ-ME-7
FUNCTION: ACCIDENT MITIGATION	AGING	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	LOCATION: AUX BUILDING							
ACCURACY DEMONS.: N/A	ELEVATION: +46 FT.							
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: K-2A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS HARSH								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED								CHECKER : SKS 07/30/82 DATE
								REFERENCES: ((1))ITT GENERAL CONTROLS NH90 1E QUALIFICATION REPORT NO. 721.81.137
								SYSTEM: CHILLED WATER
								QDEF SHEET NO.-1190

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	TOTAL 230 DAYS UNDER NORMAL AND DBE CONDS.	FSAR TABLE 3.11-2	REF (1) P.11 OF 25	TYPE TEST	QUALIFIED LIFE IS: 2 YEARS
COMPONENT: HYDRAMOTOR					TABLE 1		
PLANT NUMBER: 3AC-FM130B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE (1)	-	MAINTENANCE / REPLACEMENT SCHD: TABLE I ITT GC REPORT NO 721.81.138
MANUFACTURER: ITT GENERAL CONTROLS	PRESSURE	1 ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-	(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: NH-92	RELATIVE HUMIDITY	150%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-	
SERVICE DESCRIPTION: SERVING VALVE 3AC-FM130B							
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	N/R	-	-	-	-	
ACCURACY SPECIFIED: N/A	RADIATION	1900,000 RADS	1.0 MRADS	APP. PHYS. MEMO DATED 8/24/81 FR T.L.YANG	REF (1) P 14 OF 25 SEC 5.4.1	QUANT. ANAL.	EBASCO FILE NO: EQ-ME-7
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-	
LOCATION: AUX BUILDING ELEVATION: +46 FT.							
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-	
ABOVE FLOOD LEVEL: N/A							
COORDINATES: K-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)		OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO							PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED							CHECKER :SKS 07/30/82 DATE
							SYSTEM: CHILLED WATER
							QDEF SHEET NO. - 1191

REFERENCES: (1) ITT GENERAL CONTROLS NH90 1E QUALIFICATION REPORT NO. 721.81.137

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	!!120 DAYS	!!TOTAL 230 DAYS UNDER !NORMAN AND !DBE CONDS.!	FSAR TABLE 3.11-2	REF (1) P.11 OF 25	TYPE TEST		QUALIFIED LIFE IS: 2 YEARS
COMPONENT: HYDRAMOTOR					TABLE I			
PLANT NUMBER: 3AC-FM131A/B	TEMPERATURE	!!104 DEGF	!!SEE NOTE (1)	HVAC TEMP MAPS (1)	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: TABLE I ITT GC REPORT NO 721.81.138
MANUFACTURER: ITT GENERAL CONTROLS	PRESSURE	!!ATM	!!SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			!!(1)TEMPERATURE, PRESSURE AND HUMIDITY ARE NOT
MODEL AND SERIAL NUMBER: NH-92	RELATIVE HUMIDITY	!!50%	!!SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			!!CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: SERVING VALVE 3AC-FM131A/B	CHEMICAL SPRAY	!!N/R	!!-					
FUNCTION: ACCIDENT MITIGATION								
ACCURACY SPECIFIED: N/A	RADIATION	!!900,000 RADS	!!1.0 MRADS	APP. PHYS. MEMO DATED 8/24/81 FR T.L. YANG	REF (1) P 14 OF 25 SEC 5.4.1	QUANT. ANAL.		EBASCO FILE NO: EQ-ME-7
ACCURACY DEMONS.: N/A	AGING	!!N/R	!!-					
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	!!N/R	!!-					
COORDINATES: K-1A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1)ITT GENERAL CONTROLS NH90 1E QUALIFICATION REPORT NO. 721.81.137							PREPARER: BM 07/30/82 DATE
QUALIF STATUS QUALIFIED								CHECKER :SKS 07/30/82 DATE
								SYSTEM: CHILLED WATER
								QDEF SHEET NO.-1192

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF(1) P4-18	TYPE TEST+ ENG EVAL	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 3AC-F135B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			((1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 170-41302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			
SERVICE DESCRIPTION: SERVING VALVE 3AC-F135B	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: ACCIDENT MITIGATION								
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAP ZONE: M DWG: G-134	REF(1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-		
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R	-	-	-	-		
COORDINATES: J-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
ENVIRON'T IS HARSH	ANALYSIS M-3		O!					PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO			T!					CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED			P!					
			H!	REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPORT NO.QTR 107 REV.0				SYSTEM: CHILLED WATER
			C!					
			R!					
			A!					
			S!					QDEF SHEET NO. - 1193

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUA. IF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF (1) P 4-18	TYPE TEST+ ENG EVAL	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 3AC-F135B	TEMPERATURE	104 DEG	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	1 ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 170-42302	RELATIVE HUMIDITY	50 %	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			
SERVICE DESCRIPTION: SERVING VALVE 3AC-F135B	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: ACCIDENT MITIGATION								
ACCURACY SPECIFIED: N/A	RADIATION	2.5M RADS	204 M RADS	RADIATION MAP ZONE:M DWG:G-134	REF (1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-		
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R	-	-	-	-		
COORDINATES: J-3A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH	ANALYSIS M-3	O	T	P	H	C	R	A
EQUIPMENT EXEMPT FROM QUALIFICATION: NO QUALIF STATUS: QUALIFIED								S
				REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPORT NO. QTR 107 REV.0				
								REVISION NO. -01
								PREPARER: BM 07/30/82 DATE
								CHECKER : SKS 07/30/82 DATE
								SYSTEM: CHILLED WATER
								QDEF SHEET NO. -1194

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENVIRON.	FSAR TABLE 3.11-2	REF (1) P. 3-2 SEC.3.2.7	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID								
PLANT NUMBER: 3AC-F135B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHED: 4 YRS COMPS. REPLACEMENT REF(1)APP. I SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED
MODEL AND SERIAL NUMBER: NP 8321A6E	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		SIGNIFICANT PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: SERVING VALVE 3AC-F135B	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: ACCIDENT MITIGATION								
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	200 M RADS	RADIATION MAP ZONE:M DWG:G-134	REF (1) P. 4-4 SEC.4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-		
LOCATION: AUX BUILDING								
ELEVATION: + 46 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-3A	INDEX FOR INCONSISTENCY!							
ENVIRONMENT IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	ANALYSIS M-1							
QUALIF STATUS: QUALIFIED								REFERENCES: (1)ASCO TEST REPORT NO. AQS21678/TR REV.A JULY 1979
								REVISION NO.-01
								PREPARER:BM 07/30/82 DATE
								CHECKER :SKS 07/30/82 DATE
								SYSTEM:CHILLED WATER
								QDEF SHEET NO.-1195

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	1400 HOURS	FSAR TABLE 3.11-2	REF(1) P 4-18	TYPE TEST+ ENG EVAL	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 3AC-F136A	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 170-41302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			
SERVICE DESCRIPTION: SERVING VALVE 3AC-F136A								
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAP ZONE:M DWG:G-134	REF(1) P10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-		
LOCATION: AUX BUILDING ELEVATION: +.46 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH	ANALYSIS M-3		O! T! P! H! C! R! A! S!	REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPORT NO.QTR 107 REV.O				PREPARER:BM 07/30/82 DATE CHECKER :SKS 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO QUALIF STATUS: QUALIFIED								SYSTEM:CHILLED WATER QDEF SHEET NO. -1196

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	1400 HOURS	FSAR TABLE 3.11-2	REF(1) P 4-18	TYPE TEST+ ENG EVAL	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 3AC-F136A	TEMPERATURE	1104 DEGF	SEE NOTE ((1))	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE ((1))	-		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	1ATM	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))	-		((1))TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 170-42302	RELATIVE HUMIDITY	150%	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))	-		
SERVICE DESCRIPTION: SERVING VALVE 3AC-F136A	CHEMICAL SPRAY	1N/R	-	-	-	-		
FUNCTION: ACCIDENT MITIGATION								
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAP ZONE:M DWG:G-134	REF(1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	1N/R	-	-	-	-		
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	1N/R	-	-	-	-		
COORDINATES: J-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-3	O!	T!	P!	H!	C!	R!	A!
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								
QUALIF STATUS: QUALIFIED								
				REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPORT NO.QTR 107 REV.O				PREPARER:BM 07/30/82 DATE CHECKER :SKS 07/30/82 DATE
								SYSTEM:CHILLED WATER
								QDEF SHEET NO.-1197

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV.	FSAR TABLE 3.11-2	REF (1) P. 3-2 SEC 3.2.7	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE (1)	-	-	MAINTENANCE / REPLACEMENT SCHED: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13
PLANT NUMBER: 3AC-F136A	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-	-	(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED
MANUFACTURER: ASCO	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-	-	SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: NP 8321A6E	CHEMICAL SPRAY	N/R	-	-	-	-	-	
SERVICE DESCRIPTION: SERVING VALVE 3AC-F136A	RADIATION	2.5 M RADS	200 M RADS	RADIATION MAP ZONE:M DWG:G-134	REF (1) P. 4-4 SEC 4.6	TYPE TEST	-	EBASCO FILE NO: EQ-ME-4
FUNCTION: ACCIDENT MITIGATION	AGING	N/R	-	-	-	-	-	
ACCURACY SPECIFIED: N/A	LOCATION: AUX BUILDING							
ACCURACY DEMONS.: N/A	ELEVATION: +46 FT.							
	FLOOD LEVEL EL: N/A FEET							
	ABOVE FLOOD LEVEL: N/A							
COORDINATES: J-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH	ANALYSIS M-1						D! T! P! H! C! R! A! S!	
EQUIPMENT EXEMPT FROM QUALIFICATION:NO							REFERENCES: (1)ASCO TEST REPORT # AQS21678/TR REV.A JULY 1979	
QUALIF STATUS: QUALIFIED							REVISION NO.-01 PREPARER:BM 07/30/82 DATE CHECKER :SKS 07/30/82 DATE SYSTEM:CHILLED WATER QDEF SHEET NO.-1198	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF(1) P 4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH						ENG. EVAL.		
PLANT NUMBER: 3AC-B138A	TEMPERATURE	104 DEGF	SEE NOTE ((1))	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE ((1))	-		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))	-		((1))TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 170-41302	RELATIVE HUMIDITY	50%	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))	-		
SERVICE DESCRIPTION: SERVING VALVE 3AC-B138A	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: ACCIDENT MITIGATION								
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAP ZONE: M DWG: G-134	REF (1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-		
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-3	O!						PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		T!						CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED		P!						
		H!		REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO. QTR 107 REV.0				SYSTEM: CHILLED WATER
		C!						
		R!						
		A!						
		S!						QDEF SHEET NO.-1199

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF.(1) P. 4-18	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 3AC-B139B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 170-41302	RELATIVE HUMIDITY	150%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: SERVING VALVE 3AC-B139B	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: ACCIDENT MITIGATION									
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAP ZONE: M DWG: G-134	REF(1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-			
LOCATION: AUX BUILDING ELEVATION: +46 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-3								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO: QTR 107 REV.O								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER : SKS 07/30/82 DATE
									SYSTEM: CHILLED WATER
									QDEF SHEET NO. -1200

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	1400 HOURS	FSAR TABLE 3.11-2	REF(1) P.4-18	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE (1)	-	-	MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
PLANT NUMBER: 3AC-F142A	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-	-	(1)TEMPERATURE PRESSUREHUMIDITY ARE NOT CONSIDERED SIGNIFICANT
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-	-	PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 170-32302	CHEMICAL SPRAY	N/R	-	-	-	-	-	-
SERVICE DESCRIPTION: SERVING VALVE 3AC-F142A	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAP ZONE:M DWG:G-134	REF(1) P 10-64	TYPE TEST	-	EBASCO FILE NO: EQ-ME-6
FUNCTION: ACCIDENT MITIGATION	AGING	N/R	-	-	-	-	-	-
ACCURACY SPECIFIED: N/A	LOCATION: AUX BUILDING							
ACCURACY DEMONS.: N/A	ELEVATION: +46 FT.							
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-	-	-
ABOVE FLOOD LEVEL: N/A	INDEX FOR INCONSISTENCY!							
COORDINATES: J-3A	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH	ANALYSIS M-3							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED				REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO: QTR 107 REV.0				CHECKER :SKS 07/30/82 DATE
								SYSTEM:CHILLED WATER
								QDEF SHEET NO.-1201

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENVIRON.	FSAR TABLE 3.11-2	REF (1) P. 3-2 SEC.3.2.7	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID									
PLANT NUMBER: 3AC-F142A	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHED: 4 YRS COMPS. REPLACEMENT APP. I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED	
MODEL AND SERIAL NUMBER: NP 831664V	RELATIVE HUMIDITY	150%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			SIGNIFICANT PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION: SERVING VALVE 3AC-F142A	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: ACCIDENT MITIGATION									
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	200 M RADS	RADIATION MAP ZONE:M DWG:G-134	REF (1) P. 4-4 SEC.4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-			
LOCATION: AUX BUILDING ELEVATION: +46 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-1								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED	REFERENCES: (1)ASCO TEST REPORT NO. AQS21678/TR REV.A JULY 1979								CHECKER :SKS 07/30/82 DATE
									SYSTEM:CHILLED WATER
									QDEF SHEET NO.-1202

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	1400 HOURS	FSAR TABLE 3.11-2	REF(1) P 4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH						ENG. EVAL.		
PLANT NUMBER: 3AC-F143B	TEMPERATURE	1104 DEGF	SEE NOTE ((1))	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE ((1))			MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	1ATM	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))			
MODEL AND SERIAL NUMBER: EA 170-32302	RELATIVE HUMIDITY	150%	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))			((1))TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: SERVING VALVE 3AC-F143B	CHEMICAL SPRAY	1N/R	-	-	-	-		
FUNCTION: ACCIDENT MITIGATION								
ACCURACY SPECIFIED: N/A	RADIATION	12.5 M RADS	1204 M RADS	RADIATION MAP ZONE: M DWG: G-134	REF(1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	1N/R	-	-	-	-		
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	1N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH	ANALYSIS M-3		O!					PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO			T!					CHECKER: SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED			P!	REFERENCES: ((1))NAMCO QUALIFICATION OF EA170-XX302 REPORT NO: QTR 107 REV.0				SYSTEM: CHILLED WATER
			H!					QDEF SHEET NO. -1203
			C!					
			R!					
			A!					
			S!					

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENVIRON.	FSAR TABLE 3.11-2	REF (1) P. 3-2 SEC.3.2.7	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE (1)	-	-	MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP.1 SEC 3.2.3.13	
PLANT NUMBER: 3AC-F143B	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-	-	(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED	
MANUFACTURER: ASCO	RELATIVE HUMIDITY	150%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-	-	SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: NP 831664V	CHEMICAL SPRAY	N/R	-	-	-	-	-		
SERVICE DESCRIPTION: SERVING VALVE 3AC-F143B	RADIATION	2.5 M RADS	200 M RADS	RADIATION MAP ZONE: M DWG: G-134	REF (1) P. 4-4 SEC.4.6	TYPE TEST	-	EBASCO FILE NO: EQ-ME-4	
FUNCTION: ACCIDENT MITIGATION	AGING	N/R	-	-	-	-	-		
ACCURACY SPECIFIED: N/A	SUBMERGENCE	N/R	-	-	-	-	-		
ACCURACY DEMONS.: N/A	INDEX FOR INCONSISTENCY!								
LOCATION: AUX BUILDING ELEVATION: 46.0 FT.	ANALYSIS IN WORKFILE (IF REQUIRED)	OTHER EQUIPMENT THIS QDEF APPLIES TO:							
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	ANALYSIS M-1	O	REFERENCES: (1)ASCO TEST REPORT NO. AQS21678/TR REV.A JULY 1979						REVISION NO.-01
COORDINATES: J-3A		T							PREPARER: BM 07/30/82 DATE
ENVIRON'T IS HARSH		P							CHECKER : SKS 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		H							SYSTEM: CHILLED WATER
QUALIF STATUS: QUALIFIED		C							QDEF SHEET NO.-1204
		R							
		A							
		S							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF(1) P 4-18	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 3AC-F144A	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA170-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	1ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			
MODEL AND SERIAL NUMBER: EA 170-41302	RELATIVE HUMIDITY	150%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			(1)TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: SERVING VALVE 3AC-F144A	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: ACCIDENT MITIGATION								
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAP ZONE:M DWG:G-134	REF(1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-		
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-3A	INDEX FOR INCONSISTENCY!			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-3							PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED				REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO: QTR 107 REV.0				CHECKER :SKS 07/30/82 DATE
								SYSTEM:CHILLED WATER
								QDEF SHEET NO.-1205

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF. (1) P. 4-18	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 3AC-F144A	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHED: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			(1)TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 170-42302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)				
SERVICE DESCRIPTION: SERVING VALVE 3AC-F144A	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: ACCIDENT MITIGATION									
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAP ZONE:M DWG:G-134	REF(1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONSTRATED: N/A	AGING	N/R	-	-	-	-			
LOCATION: AUX BUILDING ELEVATION: +46 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-3A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-3								
ENVIRONMENT IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO: QTR 107 REV.0								PREPARER: BM 07/30/82 DATE
QUALIFICATION STATUS: QUALIFIED									CHECKER : SKS 07/30/82 DATE
									SYSTEM: CHILLED WATER
									QDEF SHEET NO. -1206

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENVIRON.	FSAR TABLE 3.11-2	REF (1) P. 3-2 SEC.3.2.7	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID									
PLANT NUMBER: 3AC-F144A	TEMPERATURE	104 DEGF	SEE NOTE ((1))	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	ATM	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE (1)	-		((1))TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED	
MODEL AND SERIAL NUMBER: NP 8321A6E	RELATIVE HUMIDITY	150%	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE (1)	-		SIGNIFICANT PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION: SERVING VALVE 3AC-F144A	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: ACCIDENT MITIGATION									
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	200 M RADS	RADIATION MAP ZONE:M DWG:G-134	REF (1) P. 4-4 SEC.4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-			
LOCATION: AUX BUILDING ELEVATION: 46.0 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-3A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-1								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1)ASCO TEST REPORT NO. AQS21678/TR REV.A JULY 1979								PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
									SYSTEM:CHILLED WATER
									QDEF SHEET NO. -1207

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF(1) P 4-18	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 3AC-F149A	TEMPERATURE	104 DEG F	SEE NOTE ((1))	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE ((1))			MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))			((1))TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 170-32302	RELATIVE HUMIDITY	150%	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))				
SERVICE DESCRIPTION: SERVING VALVE 3AC-F149A	CHEMICAL SPRAY	N/R	-	-	-				
FUNCTION: ACCIDENT MITIGATION									
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAP ZONE:M DWG:G-134	REF.(1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-				
LOCATION: AUX BUILDING ELEVATION: +46 FT.	SUBMERGENCE	N/R	-	-	-				
FLOOD LEVEL EL: N/A FEET									
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-3								OTHER EQUIPMENT THIS QDEF APPLIES TO: REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREFARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
	REFERENCES: ((1))NAMCO QUALIFICATION OF EA170-XX302 REPORT NO: QTR 107 REV.0								SYSTEM:CHILLED WATER
									QDEF SHEET NO.-1208

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY		
							ANALYZED	ANALYZED		
SYSTEM:	CHILLED WATER	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENVIRON.	FSAR TABLE 3.11-2	REF (1) P. 3-2 SEC.3.2.7	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT:	SOLENOID									
PLANT NUMBER:	3AC-F149A	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13	
MANUFACTURER:	ASCO	PRESSURE	1 ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER:	NP 831664V	RELATIVE HUMIDITY	150%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)				
SERVICE DESCRIPTION:	SERVING VALVE 3AC-F149A	CHEMICAL SPRAY	N/R	-	-	-	-	-		
FUNCTION:	ACCIDENT MITIGATION									
ACCURACY SPECIFIED:	N/A	RADIATION	2.5 M RADS	200 M RADS	RADIATION MAP ZONE:M DWG:G-134	REF (1) P. 4-4 SEC.4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.:	N/A	AGING	N/R	-	-	-	-	-		
LOCATION:	AUX BUILDING									
ELEVATION:	46.0 FT.									
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-	-		
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	J-3A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		ANALYSIS M-1								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:NO										REFERENCES: (1)ASCO TEST REPORT # AQS21678/TR REV.A JULY 1979
QUALIF STATUS: QUALIFIED										REVISION NO.-01
										PREPARER:BM 07/30/82 DATE
										CHECKER :SKS 07/30/82 DATE
										SYSTEM:CHILLED WATER
										QDEF SHEET NO.-1209

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF (1) P 4-18	TYPE TEST + ENG. EVAL.	Y/S	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 3AC-F150B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	1 ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			(1)TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 170-32302	RELATIVE HUMIDITY	150%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)				
SERVICE DESCRIPTION: SERVING VALVE 3AC-F150B									
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	N/R	-						
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAP ZONE:M DWG:G-134	REF (1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A	AGING	N/R	-						
LOCATION: AUX BUILDING ELEVATION: +46 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-						
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-3A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-3								OTHER EQUIPMENT THIS QDEF APPLIES TO: REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
									REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO: QTR 107 REV.0
									SYSTEM:CHILLED WATER
									QDEF SHEET NO.-1210

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENVIRON.	FSAR TABLE 3.11-2	REF (1) P. 3-2 SEC.3.2.7	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID	TEMPERATURE	104 DEGF	SEE NOTE ((1))	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE ((1))	-	-	MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13
PLANT NUMBER: 3AC-F150B	PRESSURE	ATM	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))	-	-	((1))TEMPERATURE / PRESSURE AND HUMIDITY ARE NOT CONSIDERED
MANUFACTURER: ASCO	RELATIVE HUMIDITY	50%	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))	-	-	SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: N. 831664V	CHEMICAL SPRAY	N/R	-	-	-	-	-	
SERVICE DESCRIPTION: SERVING VALVE 3AC-F150B	RADIATION	2.5 M RADS	200 M RADS	RADIATION MAP ZONE:M DWG:G-134	REF (1) P. 4-4 SEC.4.6	TYPE TEST	-	EBASCO FILE NO: EQ-ME-4
FUNCTION: ACCIDENT MITIGATION	AGING	N/R	-	-	-	-	-	
ACCURACY SPECIFIED: N/A	LOCATION: AUX BUILDING							
ACCURACY DEMONS.: N/A	ELEVATION: 46.0 FT.							
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-	-	
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-1 O! T! P! H! C! R! A! S!						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH							REVISION NO. -01	
EQUIPMENT EXEMPT FROM QUALIFICATION:NO							PREPARER: BM 07/30/82 DATE	
QUALIF STATUS: QUALIFIED							CHECKER : SKS 07/30/82 DATE	
	REFERENCES: ((1))AUTOMATIC SWITCH CO TEST REPORT # AQS21678/TR REV.A JULY 1970						SYSTEM: CHILLE WATER	
							QDEF SHEET NO.-1211	

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	1400 HOURS	FSAR TABLE 3.11-2	REF(1) P 4-18	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 3AC-F151B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 170-41302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: SERVING VALVE 3AC-F151B	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: ACCIDENT MITIGATION								
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAP ZONE:M DWG:G-134	REF(1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-		
LOCATION: AUX BUILDING ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-3A	INDEX FOR INCONSISTENCY!			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-3							PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED				REFERENCES: (1)NAMCO QUALIFICATION OF EA170-XX302 REPORT NO: QTR 107 REV.0				CHECKER :SKS 07/30/82 DATE
								SYSTEM:CHILLED WATER
								QDEF SHEET NO. -1212

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENVIRON.	FSAR TABLE 3.11-2	REF (1) P. 3-2 SEC.3.2.7	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID									
PLANT NUMBER: 3AC-F151B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
MODEL AND SERIAL NUMBER: NP 8321AGE	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)TEMPERATURE PRESSURE AND HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION: SERVING VALVE 3AC-F151B	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: ACCIDENT MITIGATION									
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	200 M RADS	RADIATION MAP ZONE:M DWG:G-134	REF (1) P. 4-4 SEC.4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-			
LOCATION: AUX BUILDING ELEVATION: +46.0 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRONMENT IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-1		O! T! P! H! C! R! A! S!	REFERENCES: (1)AUTOMATIC SWITCH CO TEST REPORT # AQS21678/TR REV.A JULY 1979				PREPARER:BM 07/30/82 DATE CHECKER :SKS 07/30/82 DATE	
QUALIF STATUS: QUALIFIED								SYSTEM:CHILLED WATER	
								QDEF SHEET NO.-1213	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF(1) P 4-18	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 3AC-F151B	TEMPERATURE	104 DEGF	SEE NOTE ((1))	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE ((1))			MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	1ATM	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))			((1))TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 170-42302	RELATIVE HUMIDITY	150%	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))			
SERVICE DESCRIPTION: SERVING VALVE 3AC-F151B	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	12.5 M RADS	204 M RADS	RADIATION MAP ZONE:M DWG:G-134	REF(1) P 10-64	TYPE TEST		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-		
LOCATION: AUX BUILDING ELEVATION: +46 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-3A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-3						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH							REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO							PREPARER: BM 07/30/82 DATE	
QUALIF STATUS: QUALIFIED							CHECKER : SKS 07/30/82 DATE	
	REFERENCES: ((1))NAMCO QUALIFICATION OF EA170-XX302 REPORT NO: QTR 107 REV.O						SYSTEM: CHILLED WATER	
							QDEF SHEET NO.-1214	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF(1) P10-14 FIG.3	TYPE TEST+ ENG. EVAL.	YES	QUALIFIED LIFE IS: 20 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 3AC-V601A	TEMPERATURE	104 DEGF	SEE NOTE ((1))	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE ((1))	-		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3	
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))	-		((1))TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT	
MODEL AND SERIAL NUMBER: EA 180-31302	RELATIVE HUMIDITY	150%	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))	-		PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION: SERVING VALVE 3AC-V601A	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: ACCIDENT MITIGATION									
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAP ZONE:M DWG:G-134	REF(1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
ACCURACY DEMONS.: N/A									
LOCATION: AUX BUILDING ELEVATION: +46 FT.	AGING	N/R	-	-	-	-			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R	-	-	-	-			
COORDINATES: K-1A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:								
ENVIRON'T IS HARSH	ANALYSIS M-2		O					REVISION NO. -01	
EQUIPMENT EXEMPT FROM QUALIFICATION:NO			T					PREPARER:BM 07/30/82 DATE	
QUALIF STATUS: QUALIFIED			P					CHECKER :SKS 07/30/82 DATE	
			H	REFERENCES: (1) NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES. REPORT NO. QTR 105 REV 1.				SYSTEM:CHILLED WATER	
			C						
			R						
			A						
			S					QDEF SHEET NO. -1215	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV ENV	FSAR TABLE 3.11-2	REF(1) P 10-14 FIG.3	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 20 YEARS	
COMPONENT: LIMIT SWITCH	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3	
PLANT NUMBER: 3AC-V602B	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
MODEL AND SERIAL NUMBER: EA 180-31302	CHEMICAL SPRAY	N/R	-	-	-	-			
SERVICE DESCRIPTION: SERVING VALVE 3AC-V602B	RADIATION	2.5 M RADS	204 M RADS	RADIATION MAP ZONE:M DWG:G-134	REF(1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
FUNCTION: ACCIDENT MITIGATION	AGING	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	LOCATION: AUX BUILDING								
ACCURACY DEMONS.: N/A	ELEVATION: +46 FT.								
	FLOOD LEVEL EL: N/A FEET								
	ABOVE FLOOD LEVEL: N/A								
COORDINATES: K-1A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-2								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:NO QUALIF STATUS: QUALIFIED	REFERENCES: (1)NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO. QTR 105 REV 1								PREPARER:BM 07/30/82 DATE CHECKER :SKS 07/30/82 DATE
	SYSTEM:CHILLED WATER								
	QDEF SHEET NO.-1216								

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	131 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) APP XII P. 4-16	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 1 YR ACC.	
COMPONENT: SOLENOID W/4 LIMIT SWITCHES					FIGURE 1				
PLANT NUMBER: 3AC-E611A	TEMPERATURE	104 DEGF	SEE NOTE ((1))	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE (1)			MAINTENANCE / REPLACEMENT CHD:	
MANUFACTURER: VALCOR	PRESSURE	ATM	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE (1)			((1))TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: V 526-5295-6									
SERVICE DESCRIPTION: SERVING VALVE 3AC-E611A	RELATIVE HUMIDITY	150%	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE (1)				
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	2.5 M RADS	200 M RADS	RADIATION MAP ZONE:M DWG:G-134	REF (1) APP XII P. 3-1	TYPE TEST		EBASCO FILE NO: EQ-ME-2	
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-			
LOCATION: AUX BUILDING ELEVATION: +46 FT.									
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R	-	-	-	-			
COORDINATES: K-1A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-5								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									REFERENCES: (1) VALCOR SOLENOID IE QUALIFICATION REPORT QR 52600-5940-2
QUALIF STATUS: QUALIFIED									REVISION NO. -01
									PREPARER: BM 07/30/82 DATE
									CHECKER :SKS 07/30/82 DATE
									SYSTEM: CHILLED WATER
									QDEF SHEET NO. -1217

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) APP XII P 4-16 FIG 1	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: SOLENOID W/4 LIMIT SWITCHES	TEMPERATURE	104 DEGF	SEE NOTE ((1))	HVAC TEMP MAPS ((1)) DWG NO. G-134	SEE NOTE ((1))	-		MAINTENANCE / REPLACEMENT SCHD:
PLANT NUMBER: 3AC-E612B	PRESSURE	ATM	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))	-		((1))TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT
MANUFACTURER: VALCOR	RELATIVE HUMIDITY	50%	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))	-		PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: V526-5295-6	CHEMICAL SPRAY	N/R	-	-	-	-		
SERVICE DESCRIPTION: SERVING VALVE 3AC-E612B	RADIATION	2.5 M RADS	200 M RADS	RADIATION MAP ZONE:M DWG:G-134	REF (1) APP XII P. 3-1	TYPE TEST		EBASCO FILE NO: EQ-ME-2
FUNCTION: ACCIDENT MITIGATION	AGING	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	LOCATION: AUX BUILDING ELEVATION: +46 FT.							
ACCURACY DEMONS.: N/A	SUMMER GEI-CE	N/R	-	-	-	-		
INDEX FOR INCONSISTENCY:	COORDINATES: K-1A							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-5	O!						PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED	REFERENCES: ((1))VALCOR SOLENOID IE QUALIFICATION REPORT QR 52600-5940-2	H! C! R! A! S!						CHECKER :SKS 07/30/82 DATE
								SYSTEM: CHILLED WATER
								QDEF SHEET NO.-1218

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	31 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) APP XII P 4-16	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 40+1 YR ACC.	
COMPONENT: SOLENOID W/4 LIMIT SWITCHES	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-134	SEE NOTE (1)	-	-	MAINTENANCE / REPLACEMENT SCHD:	
PLANT NUMBER: 3AC-E613A/B	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-	-	(1)TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT	
MANUFACTURER: VALCOR	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-	-	PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: V526-5295-6	CHEMICAL SPRAY	N/R	-	-	-	-	-	-	
SERVICE DESCRIPTION: SERVING VALVE 3AC-E613A/B	RADIATION	2.5 M RADS	200 M RADS	RADIATION MAP ZONE:M DWG:G-134	REF (1) APP XII P. 3-1	TYPE TEST	-	EBASCO FILE NO: EO-ME-2	
FUNCTION: ACCIDENT MITIGATION	AGING	N/R	-	-	-	-	-	-	
ACCURACY SPECIFIED: N/A	LOCATION: AUX BUILDING								
ACCURACY DEMONS.: N/A	ELEVATION: +46 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-	-	-	
ABOVE FLOOD LEVEL: N/A									
COORDINATES: K-1A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO: ANALYSIS M-5								REVISION NO.-01
ENVIRON'T IS HARSH									PREPARER:BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO									CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED	REFERENCES: (1)VALCOR SOLENOID IE QUALIFICATION REPORT QR 52600-5940-2								SYSTEM:CHILLED WATER
									QDEF SHEET NO.-1219

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	SEE NOTE (2)	FSAR TABLE 3.11-2	SEE NOTE (2)	-		QUALIFIED LIFE IS:
COMPONENT: ELECTRO PNEUMATIC FOS.								
PLANT NUMBER: 3AC-TM615A	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-137	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: MASON EILAN	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT
MODEL AND SERIAL NUMBER: 8012	RELATIVE HUMIDITY	150%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: SERVING VALVE 3AC-TM615A								(2)QUALIFICATION WILL BE ESTABLISHED AFTER THE REVIEW OF THE PROPOSED TEST RESULTS,BEFO
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	6.7 M RADS	SEE NOTE (2)	RADIATION MAP ZONE:T DWG:G-137	SEE NOTE (2)	-		EBASCO FILE NO: EQ-ME-12
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R	-	-	-	-		
COORDINATES: J-11A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER:BM 07/30/82 DATE
QUALIF STATUS: PENDING TO PROPOSED QUALIFICATION TEST RESULTS.				REFERENCES:				CHECKER :SKS 07/30/82 DATE
								SYSTEM:CHILLED WATER
								QDEF SHEET NO.-1220

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	SEE NOTE (2)	FSAR TABLE 3.11-2	SEE NOTE (2)	-		QUALIFIED LIFE IS:
COMPONENT: ELECTRO PNEUMATIC POS.								
PLANT NUMBER: 3AC-TM617B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-137	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: MASONEILAN	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT
MODEL AND SERIAL NUMBER: 8012	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		PARAMETERS FOR EVALUATION (2)QUALIFICATION WILL BE ESTABLISHED AFTER THE REVIEW OF THE PROPOSED TEST RESULTS,BEFO
SERVICE DESCRIPTION: SERVING VALVE 3AC-TM617B	CHEMICAL SPRAY	N/R	-			-		
FUNCTION: ACCIDENT MITIGATION								
ACCURACY SPECIFIED: N/A	RADIATION	6.7 M RADS	SEE NOTE (2)	RADIATION MAP ZONE:T DWG:G-137	SEE NOTE (2)	-		EBASCO FILE NO: EQ-ME-12
ACCURACY DEMONS.: N/A	AGING	N/R	-			-		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R	-			-		
COORDINATES: J-11A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:							PREPARER: BM 07/30/82 DATE
QUALIF STATUS: PENDING TO PROPOSED QUALIFICATION TEST RESULTS								CHECKER :SKS 07/30/82 DATE
								SYSTEM: CHILLED WATER
								QDEF SHEET NO. -1221

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF(1) P 10-14	TYPE TEST +	YES	QUALIFIED LIFE IS: 20 YEARS
COMPONENT: LIMIT SWITCH					FIG.3	ENG. EVAL.		
PLANT NUMBER: 3AC-F623A	TEMPERATURE	104 DEGF	SEE NOTE ((1))	HVAC DWG NO. G-137	SEE NOTE ((1))	-		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))	-		((1))TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT
MODEL AND SERIAL NUMBER: EA 180-31302	RELATIVE HUMIDITY	50%	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))	-		PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: SERVING VALVE 3AC-F623A	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	1800,000 RADS	204 M RADS	RADIATION MAP ZONE:C DWG:G-137	REF(1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-		
LOCATION: AUX BUILDING ELEVATION: -35 FT.	SUBMERGENCE	N/R	-	-	-	-		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-5A	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	ANALYSIS M-2							
QUALIF STATUS: QUALIFIED								REFERENCES: ((1))NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO. QTR 105 REV 1
								REVISION NO.-01
								PREPARER:BM 07/30/82 DATE
								CHECKER :SKS 07/30/82 DATE
								SYSTEM:CHILLED WATER
								QDEF SHEET NO.-1222

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P. 3-2 SEC.3.2.7	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID									
PLANT NUMBER: 3AC-F623A	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-137	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: NP8321A1E	RELATIVE HUMIDITY	150%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: SERVING VALVE 3AC-F623A	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: ACCIDENT MITIGATION									
ACCURACY SPECIFIED: N/A	RADIATION	1800,000 RADS	200 M RADS	RADIATION MAP ZONE:C DWG:G-137	REF (1) P. 4-4 SEC.4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-			
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-1							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
ENVIRON'T IS HARSH									PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									CHECKER : SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								REFERENCES: (1)ASCO TEST REPORT # AQS21678/ TR REV.A JULY, 1979	SYSTEM: CHILLED WATER
									QDEF SHEET NO.-1223

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 10-14 FIG 3	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 20 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 3AC-F625B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-137	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1) P.4-3	
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT	
MODEL AND SERIAL NUMBER: EA 180-31302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION: SERVING VALVE 3AC-F625B	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: ACCIDENT MITIGATION									
ACCURACY SPECIFIED: N/A	RADIATION	800,000 RADS	204 M RADS	RADIATION MAP ZONE: C DWG: G-137	REF(1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-			
LOCATION: AUX BUILDING ELEVATION: -35 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: K-5A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-2								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1)NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES NO. QTR 105 REV 1.								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
									SYSTEM: CHILLED WATER
									QDEF SHEET NO. -1224

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P.3-2	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID					SEC.3.2.7			
PLANT NUMBER: 3AC-F625B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-137	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	1 ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			(1)TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: NP8321A1E	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			
SERVICE DESCRIPTION: SERVING VALVE 3AC-E625B	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: ACCIDENT MITIGATION								
ACCURACY SPECIFIED: N/A	RADIATION	1800,000 RADS	200 M RADS	RADIATION MAP ZONE:C DWG:G-137	REF (1) P.4-4 SEC.4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-		
LOCATION: AUX BUILDING								
ELEVATION: -35.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: K-5A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-1						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH							REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO							PREPARER: BM 07/30/82 DATE	
QUALIF STATUS: QUALIFIED							CHECKER :SKS 07/30/82 DATE	
							SYSTEM: CHILLED WATER	
							QDEF SHEET NO. -1225	
							REFERENCES: (1)ASCO TEST REPORT # AQS 21678/TR REV.A JULY 1979	

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 10-14	TYPE TEST +	YES	QUALIFIED LIFE IS: 20 YEARS
COMPONENT: LIMIT SWITCH					FIGURE 3	ENG. EVAL.		
PLANT NUMBER: 3AC-F627A	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-137	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-9005 REF(1)P.4-3
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			
MODEL AND SERIAL NUMBER: EA 180-31302	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			((1)TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: SERVING VALVE 3AC-F627A	CHEMICAL SPRAY	N/R						
FUNCTION: ACCIDENT MITIGATION								
ACCURACY SPECIFIED: N/A	RADIATION	8.9 M RADS	204 M RADS	RADIATION MAP ZONE: S DWG:G-137	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
ACCURACY DEMONS.: N/A	AGING	N/R						
LOCATION: AUX BUILDING ELEVATION: -35 FT.								
FLOOD LEVEL EL: N/A FEET	SUPMER- GENCE	N/R						
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-2A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-2	O!						PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		P!						CHECKER : SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED		H!		REFERENCES: (1)NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO.QTR 105 REV 1.				SYSTEM:CHILLED WATER
		C!						
		R!						
		A!						
		S!						QDEF SHEET NO.-1226

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P.3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID					SEC.3.2.7	ENG. EVAL.		
PLANT NUMBER: 3AC-F627A	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-137	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			(1)TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: NP8321A1E	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			
SERVICE DESCRIPTION: SERVING VALVE 3AC-E627A								
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	N/R						
ACCURACY SPECIFIED: N/A	RADIATION	8.9 M RADS	200 M RADS	RADIATION MAP ZONE: S DWG:G-137	REF (1) P.4-4 SEC.4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A	AGING	N/R						
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-2A	INDEX FOR INCONSISTENCY!			OTHER EQUIPMENT THIS QDEF APPLIES TO:			REVISION NO.-01	
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)						PREPARER: BM 07/30/82 DATE	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-1			O! T! P! H! C! R! A! S!			CHECKER :SKS 07/30/82 DATE	
QUALIF STATUS: QUALIFIED				REFERENCES: (1)ASCO TEST REPORT # AQS 21678/TR REV.A JULY 1979			SYSTEM:CHILLED WATER	
							QDEF SHEET NO.-1227	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 10-14	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 20 YEARS	
COMPONENT: LIMIT SWITCH					FIGURE 3				
PLANT NUMBER: 3AC-F629B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-137	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3	
MANUFACTURER: NAMCO	PRESSURE	1ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			(1)TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT	
MODEL AND SERIAL NUMBER: EA 180-31302	RELATIVE HUMIDITY	150%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION: SERVING VALVE 3AC-F629B	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: ACCIDENT MITIGATION									
ACCURACY SPECIFIED: N/A	RADIATION	8.9 M RADS	204 M RADS	RADIATION MAP ZONE: S DWG:G-137	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-			
LOCATION: AUX BUILDING ELEVATION: -35 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-2								OTHER EQUIPMENT THIS QDEF APPLIES TO:
ENVIRON'T IS HARSH									REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
									REFERENCES: (1)NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO.QTR 105 REV 1.
									SYSTEM:CHILLED WATER
									QDEF SHEET NO.-1228

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P.3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID					SEC.3.2.7	ENG. EVAL.		
PLANT NUMBER: 3AC-F629B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-137	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	1 ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			(1)TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT
MODEL AND SERIAL NUMBER: NP8321A1E	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: SERVING VALVE 3AC-F629B	CHEMICAL SPRAY	N/R						
FUNCTION: ACCIDENT MITIGATION								
ACCURACY SPECIFIED: N/A	RADIATION	8.9 M RADS	200 M RADS	RADIATION MAP ZONE: S DWG:G-137	REF(1) P.4-4 SEC.4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A	AGING	N/R						
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R						
COORDINATES: J-3A	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	ANALYSIS M-1							REFERENCES: (1)ASCO TEST REPORT # AQS 21678/TR REV.A JULY 1979
QUALIF STATUS: QUALIFIED	O! T! P! H! C! R! A! S!							REVISION NO.-01 PREPARER:BM 07/30/82 DATE CHECKER :SKS 07/30/82 DATE SYSTEM:CHILLED WATER QDEF SHEET NO. -1229

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 10-14 FIGURE 3	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 20 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 3AC-TM635B	TEMPERATURE	104 DEGF	SEE NOTE ((1))	HVAC TEMP MAP DWG G-137	SEE NOTE ((1))	-		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3	
MANUFACTURER: NAMCO	PRESSURE	ATM	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))	-			
MODEL AND SERIAL NUMBER: EA180-31302	RELATIVE HUMIDITY	50%	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))	-		((1))TEMPERATURE, PRESSURE & HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION: SERVING VALVE 3AC-TM635B	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	4.2MRADS	204MRADS	RAD MAPS ZONE-U DWG NO G-137	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1	
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-			
LOCATION: AUX BUILDING ELEVATION: -35 FT.	SUBMERGENCE	N/R	-	-	-	-			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-7A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-2								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	QUALIF STATUS: QUALIFIED								REFERENCES: ((1))NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO.QTR 105 REV 1.
									REVISION NO.-01
									PREPARER:BM 07/30/82 DATE
									CHECKER :SKS 07/30/82 DATE
									SYSTEM:CHILLED WATER
									QDEF SHEET NO.-1230

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENV	FSAR TABLE	REF (1) P 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID				3.11-2	SEC 3.2.7	ENG. EVAL.		
PLANT NUMBER: 3AC-TM635B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAP DWG NO G-137	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			(1)TEMPERATURE, PRESSURE & HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: NP8321A1E	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			
SERVICE DESCRIPTION: SERVING VALVE 3AC-TM635B	CHEMICAL SPRAY	N/R						
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	4.2MRADS	200MRADS	RAD MAPS ZONE-U DWG NO G-137	REF (1) P 4-4 SEC 4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A	AGING	N/R						
LOCATION: AUX BUILDING ELEVATION: -35 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R						
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-7A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS HARSH	ANALYSIS M-1	O						REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		T						PREPARER:BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED		P						CHECKER :SKS 07/30/82 DATE
		H		REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV A-JULY 1979				
		C						SYSTEM:CHILLED WATER
		R						
		A						
		S						QDEF SHEET NO.-1231

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 10-14	TYPE TEST +	YES	QUALIFIED LIFE IS: 20 YEARS
COMPONENT: LIMIT SWITCH	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS (1) DWG NO. G-137	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3
PLANT NUMBER: 3AC-TM637A	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA 180-31302	CHEMICAL SPRAY	N/R	-	-	-	-		
SERVICE DESCRIPTION: SERVING VALVE 3AC-TM637A	RADIATION	18.9 M RADS	204 M RADS	RADIATION MAP ZONE:S DWG:G-137	REF (1) P 10-7	TYPE TEST		EBASCO FILE NO: EQ-ME-1
FUNCTION: AM	AGING	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	LOCATION: AUX BUILDING							
ACCURACY DEMONS.: N/A	ELEVATION: -35.0 FT.							
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-2A	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: ! (IF REQUIRED) !							! REVISION NO.-01
ENVIRON'T IS HARSH	! ANALYSIS M-2							! PREPARER:BM 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								! DATE
QUALIF STATUS: QUALIFIED	REFERENCES: (1)NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO. QTR 105 REV 1.							! CHECKER :SKS 07/30/82
								! DATE
								! SYSTEM:CHILLED WATER
								! QDEF SHEET NO.-1232

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 3-2 SEC.3.2.7	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID									
PLANT NUMBER: 3AC-TM637A	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-1-7	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
MODEL AND SERIAL NUMBER: NP8321A1E								(1)TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT	
SERVICE DESCRIPTION: SERVING VALVE 3AC-TM637A	RELATIVE HUMIDITY	150%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		PARAMETERS FOR EVALUATION	
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	18.9 M RADS	200 M RADS	RADIATION MAP ZONE:S DWG:G-137	REF (1) P 4-4 SEC.4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-			
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.									
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-2A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-1	O!	T!	P!	H!	C!	R!	PREPARER: BM 07/30/82 DATE	
QUALIF STATUS: QUALIFIED					REFERENCES: (1) ASCO TEST REPORT # AQS21678, TR REV. A JULY 1979			CHECKER : SKS 07/30/82 DATE	
								SYSTEM: CHILLED WATER	
								QDEF SHEET NO.-1233	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	130 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 10-14	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 20 YEARS
COMPONENT: LIMIT SWITCH	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-137	SEE NOTE (1)	-	-	MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA189-90051 REF(1)P.4-3
PLANT NUMBER: 3AC-TM639B	PRESSURE	1 ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-	-	(1)TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	50%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-	-	
MODEL AND SERIAL NUMBER: EA 180-31302	CHEMICAL SPRAY	N/R	-	-	-	-	-	
SERVICE DESCRIPTION: SERVING VALVE 3AC-TM639B	RADIATION	8.9 M RADS	204 M RADS	RADIATION MAP ZONE: S DWG:G-137	REF (1) P 10-7	TYPE TEST	-	EBASCO FILE NO: EQ-ME-1
FUNCTION: AM	AGING	N/R	-	-	-	-	-	
ACCURACY SPECIFIED: N/A	LOCATION: AUX BUILDING							
ACCURACY DEMONS.: N/A	ELEVATION: -35.0 FT.							
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-	-	
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-3A	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-2							REFERENCES: (1)NAMCO QUALIFICATION OF EA180 SERIES OF LIMIT SWITCHES REPORT NO. QTR 105 REV 1.
QUALIF STATUS: QUALIFIED								DATE: 07/30/82
								CHECKER :SKS 07/30/82 DATE
								SYSTEM:CHILLED WATER
								QDEF SHEET NO.-1234

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CHILLED WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID					SEC.3.2.7	ENG. EVAL.			
PLANT NUMBER: 3AC-TM639B	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC DWG NO. G-137	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP.I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	1ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)TEMPERATURE & HUMIDITY ARE NOT CONSIDERED SIGNIFICANT	
MODEL AND SERIAL NUMBER: NP8321A1E	RELATIVE HUMIDITY	150%	SF NOTE ()	FSAR TABLE 3.11-1	SEE NOTE (1)	-		PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION: SERVING VALVE 3AC-TM639B	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	18.9 M RADS	200 M RADS	RADIATION MAP ZONE: S DWG: G-137	REF (1) P 4-4 SEC.4.6	TYPE TEST		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-			
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	SUBMERGENCE	N/R	-	-	-	-			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A									
COORDINATES: J-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:								
ENVIRONMENT IS HARSH	ANALYSIS M-1 O! T! P! H! C! R! A! S!								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES: (1) ASCO TEST REPORT # AQS21678/TR REV. A JULY 1979								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED									CHECKER :SKS 07/30/82 DATE
									SYSTEM: CHILLED WATER
									QDEF SHEET NO. -1235

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	1 HOUR	122F FOR 30 DAYS	FSAR TABLE 3.11-2	REF (1) P 11 OF 25	TYPE TEST		QUALIFIED LIFE IS: 2 YEARS
COMPONENT: HYDRAMOTOR			150F FOR 100 DAYS		TABLE I			
PLANT NUMBER: 3AC-TM646A	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS DWG NO. G-137	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHED: TABLE I ITT GC REPORT NO 721.81.138 REV.1
MANUFACTURER: ITT GENERAL CONTROLS	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT
MODEL AND SERIAL NUMBER: NH-92	RELATIVE HUMIDITY	150%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: SERVING VALVE 3AC-TM646A	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	140,000 RADS	1.0 MRADS	APP.PHYS. MEMO DATED 8/24/81 FR T.L.YANG	REF (1) P.14 OF 25 SEC.5.4.1	QUANT. ANAL.		EBASCO FILE NO: EQ-ME-7
ACCURACY DEMONS.: N/A	AGING	N/R	-	-	-	-		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R	-	-	-	-		
COORDINATES: J-8A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.- 0
ENVIRON'T IS HARSH								
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED								CHECKER :SKS 07/30/82 DATE
								SYSTEM:CHILLED WATER
								QDEF SHEET NO.-1236

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	1 HOUR	122F FOR 130 DAYS +	FSAR TABLE 3.11-2	REF (1) P.11 OF 25	TYPE TEST		QUALIFIED LIFE IS: 2 YEARS
COMPONENT: HYDRAMOTOR			150F FOR 100 DAYS		TABLE 1			
PLANT NUMBER: 3AC-TM649A	TEMPERATURE	1104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS	SEE NOTE (1)			MAINTENANCE / REPLACEMENT SCHED: TABLE I ITT GC REPORT NO 721.81.138 REV.1
MANUFACTURER: ITT GENERAL CONTROLS	PRESSURE	1ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			(1)TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: NH-92	RELATIVE HUMIDITY	150%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)			
SERVICE DESCRIPTION: SERVING VALVE 3AC-TM649A	CHEMICAL SPRAY	1N/R	-					
ACCURACY SPECIFIED: N/A	RADIATION	1140,000 RADS	1.0 MRADS	APP.PHYS. MEMO DATED 8/24/81 FR T.L.YANG	REF (1) P.14 OF 25 SEC.5.4.1	QUANT. ANAL.		EBASCO FILE NO: EQ-ME-7
ACCURACY DEMONS.: N/A	AGING	1N/R	-					
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	SUBMERGENCE	1N/R	-					
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A								
COORDINATES: J-8A	INDEX FOR INCONSISTENCY ANALYSIS: IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. - 0
ENVIRON'T IS HARSH								PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED								SYSTEM: CHILLED WATER
								QDEF SHEET NO. -1237

REFERENCES: (1)ITT GENERAL CONTROLS NH90 1E QUALIFICATION REPORT NO. 721.81.137 REV.1

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	1 HOUR	122F FOR 30 DAYS +	FSAR TABLE 3.11-2	REF (1) P. 11 OF 25	TYPE TEST		QUALIFIED LIFE IS: 2 YEARS
COMPONENT: HYDRAMOTOR			150F FOR 100 DAYS		TABLE I			
PLANT NUMBER: 3AC-TM652B	TEMPERATURE	104 DEGF	SEE NOTE ((1))	HVAC TEMP MAPS DWG NO. G-137	SEE NOTE ((1))			MAINTENANCE / REPLACEMENT SCHED: TABLE I ITT GC REPORT NO 721.81.138 REV. 1
MANUFACTURER: ITT GENERAL CONTROLS	PRESSURE	ATM	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))			((1))TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: NH-92	RELATIVE HUMIDITY	50%	SEE NOTE ((1))	FSAR TABLE 3.11-1	SEE NOTE ((1))			
SERVICE DESCRIPTION: SERVING VALVE 3AC-TM652B	CHEMICAL SPRAY	N/R						
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	140,000 RADS	1.0 MRADS	APP. PHYS. MEMO DATED 8/24/81 FR T.L. YANG	REF (1) P. 14 OF 25 SEC. 5.4.1	QUANT. ANAL.		EBASCO FILE NO: EQ-ME-7
ACCURACY DEMONS.: N/A	AGING	N/R						
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/R						
COORDINATES: L-8A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. - 0
ENVIRON'T IS HARSH	O	O!						PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	T	T!						CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED	P	P!						
	H	H!		REFERENCES: ((1))ITT GENERAL CONTROLS NH90 1E QUALIFICATION REPORT NO. 721.81.137 REV. 1				SYSTEM: CHILLED WATER
	C	C!						
	R	R!						
	A	A!						
	S	S!						QDEF SHEET NO. -1238

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHILLED WATER	OPERATING TIME	1 HOUR	122F FOR 30 DAYS + 150F FOR 100 DAYS	FSAR TABLE 3.11-2	REF (1) P.11 OF 25 TABLE I	TYPE TEST		QUALIFIED LIFE IS: 2 YEARS
COMPONENT: HYDRAMOTOR	TEMPERATURE	104 DEGF	SEE NOTE (1)	HVAC TEMP MAPS (1) DWG NO. G-137	SEE NOTE (1)	-		MAINTENANCE / REPLACEMENT SCHD: TABLE I ITT GC REPORT NO 721.81.138 REV.1
PLANT NUMBER: 3AC-TM655B	PRESSURE	ATM	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1)TEMPERATURE PRESSURE&HUMIDITY ARE NOT CONSIDERED SIGNIFICANT
MANUFACTURER: ITT GENERAL CONTROLS	RELATIVE HUMIDITY	150%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: NH-92	CHEMICAL SPRAY	N/R	-	-	-	-		
SERVICE DESCRIPTION: SERVING VALVE 3AC-TM655B	RADIATION	140,000 RADS	1.0 MRADS	APP.PHYS. MEMO DATED 8/24/81 FR T.L.YANG	REF (1) P 14 OF 25 SEC 5.4.1	QUANT. ANAL.		EMBASCO FILE NO: EQ-ME-7
FUNCTION: AM	AGING	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	LOCATION: AUX BUILDING							
ACCURACY DEMONS.: N/A	ELEVATION: -35.0 FT.							
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: L-BA	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS HARSH								REVISION NO. - 0
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		O	O!					PREPARER: BM 07/30/82 DATE
QUALIF STATUS: QUALIFIED		T	T!					CHECKER : SKS 07/30/82 DATE
		P	P!	REFERENCES: (1)ITT GENERAL CONTROLS NH90 1E QUALIFIED REPORT NO. 721.81.137 REV.1				SYSTEM: CHILLED WATER
		H	H!					
		C	C!					
		R	R!					
		A	A!					
		S	S!					QDEF SHEET NO.-1239

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF(1) P 4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH						ENG. EVAL.		
PLANT NUMBER: 3CC-F120 A	TEMPERATURE	120 DEGF	248 DEGF	HVAC TEMP MAPS DWG G-135	REF(1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE, RELATIVE HUMIDITY AND RADIATION ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: EA170-32302	RELATIVE HUMIDITY	120-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: CCW PUMPS SUCT HDR ISO VALVE								
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-		
ACCURACY SPECIFIED: N/A	RADIATION	2300 RADS	SEE NOTE (1)	RADIATION MA ⁰ ZONE-N DWG G-135	SEE NOTE (1)	-		EBASCO FILE NO: EQ-ME-6
ACCURACY DEMONS.: N/A	AGING	140 YRS + 1 YR	400 HRS AT 120C EQUIV TO 20 YRS AT 104 F	FSAR SEC.3.11.1	REF(1) P .4-17 (FIG.14) & P.10-62	TYPE TEST		
LOCATION: AUX BUILDING ELEVATION: +21.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: L-6A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH	ANALYSIS M-3		D					PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO			T					CHECKER :SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED			P	REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPORT NO. QTR 107 REV. O				SYSTEM: COMPONENT COOLING WATER
			H					QDEF SHEET NO.-1240
			C					
			R					
			A					
			S					

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENVIRON	FSAR TABLE 3.11-2	REF(1) P.3-2 SEC 3.2.7	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS
COMPONENT: SOLENOID								
PLANT NUMBER: 3CC-F120 A	TEMPERATURE	120 DEGF	346 DEGF PEAK	HVAC TEMP MAPS DWG G-135	REF (1) P.4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHED: 4 YRS COMPS. REPLACEMENT REF(1) APP. I SEC 3.2.3.13
MANUFACTURER: ASCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE, RELATIVE HUMIDITY AND RADIATION ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER: NP 831664V	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		
SERVICE DESCRIPTION: CCW PUMPS SUCT HDR ISO VALVE	CHEMICAL SPRAY	N/R	-	-	-	-		
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	2300 RADS	SEE NOTE (1)	RADIATION MAPS ZONE-N DWG G-135	SEE NOTE (1)	-		EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.: N/A								
LOCATION: AUX BUILDING	AGING	40 YRS + 1 YR	268 F FOR 12 DAYS EQ TO 4.4 YRS AT 140 F	FSAR SEC.3.11.1	REF(1) APP A P 9-3&4	TYPE TEST		
ELEVATION: +21.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: L-6A	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	ANALYSIS M-1							
QUALIF STATUS: QUALIFIED								REFERENCES: (1) ASCO TEST REPORT # AQS 21678/TR REV A JULY 1979
								REVISION NO.-01
								PREPARER: BM 07/30/82 DATE
								CHECKER: SKS 07/30/82 DATE
								SYSTEM: COMPONENT COOLING WATER
								QDEF SHEET NO.-1241

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	COMPONENT COOLING WATER	OPERATING TIME	!!120 DAYS	!30 DAYS !IN LOCA !ENVIRON	! FSAR TABLE ! 3.11-2	! REF(1) ! P.3-2 ! SEC 3.2.7	! TYPE ! TEST + ! ENG. ! EVAL.	! YES	! QUALIFIED LIFE IS: 4 YEARS
COMPONENT:	SOLENOID								
PLANT NUMBER:	3CC-F121 B	TEMPERATURE	!!120 DEGF	!346 DEGF !PEAK	! HVAC ! TEMP MAPS ! DWG G-135	! REF (1) ! P.4-4 ! SEC 4.7	! TYPE ! TEST		! MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1) APP.I SEC 3.2.3.13
MANUFACTURER:	ASCO	PRESSURE	!!0 PSIG	!SEE NOTE ! (1)	! FSAR TABLE ! 3.11-1	! SEE NOTE ! (1)	! -		! (1) PRESSURE, RELATIVE HUMIDITY AND RADIATION ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION
MODEL AND SERIAL NUMBER:	NP 831664V	RELATIVE HUMIDITY	!!20-90%	!SEE NOTE ! (1)	! FSAR TABLE ! 3.11-1	! SEE NOTE ! (1)	! -		
SERVICE DESCRIPTION:	CCW PUMPS SUCT HDR ISO VALVE								
FUNCTION:	AM	CHEMICAL SPRAY	!!N/R	! -	! -	! -	! -		
ACCURACY SPECIFIED:	N/A	RADIATION	!!2300 RADS	!SEE NOTE ! (1)	! RADIATION MAPS ! ZONE-N ! DWG G-135	! SEE NOTE ! (1)	! -		! EBASCO FILE NO: EQ-ME-4
ACCURACY DEMONS.:	N/A	AGING	!!40 YRS + !!1 YR	!268 F FOR !12 DAYS EQ !TO 4.4 YRS !AT 140 F	! FSAR SEC.3.11.1	! REF(1) APP A ! P 9-3&4	! TYPE ! TEST		
LOCATION:	AUX BUILDING								
ELEVATION:	+21 FT.								
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	!!N/R	! -	! -	! -	! -		
ABOVE FLOOD LEVEL:	N/A								
COORDINATES:	L-6A	! INDEX FOR INCONSISTENCY ! ANALYSIS IN WORKFILE ! (IF REQUIRED) ! OTHER EQUIPMENT THIS QDEF APPLIES TO: !							! REVISION NO.-01
ENVIRON'T IS HARSH		ANALYSIS M-1	O!					! PREPARER:BM 07/30/82 DATE	
EQUIPMENT EXEMPT FROM QUALIFICATION:NO			T!					! CHECKER :SKS 07/30/82 DATE	
QUALIF STATUS: QUALIFIED			P!					! SYSTEM:COMPONENT COOLING WATER QDEF SHEET NO.-1242	
			H!	REFERENCES:	(1) ASCO TEST REPORT # AQS 21678/TR REV A JULY 1979				
			C!						
			R!						
			A!						
			S!						

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF(1) P 4-18	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: 3CC-F 121 B	TEMPERATURE	120 DEGF	248 DEGF	HVAC TEMP MAPS DWG G-135	REF(1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE, RELATIVE HUMIDITY AND RADIATION ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA170-32302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: CCW PUMPS SUCT HDR ISO VALVE									
FUNCTION: AM	CHEMICAL SPRAY	N/R	-	-	-	-			
ACCURACY SPECIFIED: N/A	RADIATION	2300 RADS	SEE NOTE (1)	RADIATION MAPS ZONE-N DWG G-135	SEE NOTE (1)	-		EBASCO FILE NO: EQ-ME-6	
ACCURACY DEMONS.: N/A									
LOCATION: AUX BUILDING ELEVATION: +21.0 FT.	AGING	40 YRS + 1 YR	1400 HRS AT 120C EQUIV TO 20 YRS AT 104 F	FSAR SEC. 3.11.1	REF(1) P.4-27 (FIG.14)	TYPE TEST			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: L-6A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE! (IF REQUIRED)								
ENVIRON'T IS HARSH	ANALYSIS M-3								OTHER EQUIPMENT THIS QDEF APPLIES TO: REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: BM 07/30/82 DATE	
QUALIF STATUS: QUALIFIED								CHECKER :SKS 07/30/82 DATE	
				REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPORT NO. QTR 107 REV.0				SYSTEM: COMPONENT COOLING WATER QDEF SHEET NO.-1243	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF (1) P 3-2 SEC 3.2.7	TYPE TEST + ENG. EVAL.	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT: SOLENOID									
PLANT NUMBER: 3CC-F122 A	TEMPERATURE	120 DEGF	346 DEGF PEAK	HVAC TEMP MAPS DWG G-135	REF(1) P 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1)APP. I SEC 3.2.3.13	
MANUFACTURER: ASCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE, RELATIVE HUMIDITY AND RADIATION ARE NOT CONSIDERED	
MODEL AND SERIAL NUMBER: NP 231664V	RELATIVE HUMIDITY	120-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		SIGNIFICANT PARA- METERS FOR EVALUATION	
SERVICE DESCRIPTION: CCW SUPPLY TO NNS ISO VALVE	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: AM									
ACCURACY SPECIFIED: N/A	RADIATION	2300 RADS	SEE NOTE (1)	RADIATION MAPS ZONE-N DWG G-135	SEE NOTE (1)	-		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.: N/A									
LOCATION: AUX BUILDING ELEVATION: +21 FT.	AGING	140 YRS + 1 YR ACCIDENT	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140F	FSAR SEC. 3.11.1	REF(1) APP A P.9-364	TYPE TEST			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: L-4A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-1								PREPARER: BM 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	OTHER EQUIPMENT THIS QDEF APPLIES TO:								CHECKER : SKS 07/30/82 DATE
QUALIF STATUS: QUALIFIED	REFERENCES: (1) ASCO TEST REPORT # AQS21678/TR REV. A, JULY 1979								SYSTEM: COMPONENT COOLING WATER QDEF SHEET NO.-1244

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: COMPONENT COOLING WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF(1) P 4-18	TYPE TEST +	YES	QUALIFIED LIFE IS: 5 YEARS	
COMPONENT: LIMIT SWITCH						ENG. EVAL.			
PLANT NUMBER: 3CC-F122 A	TEMPERATURE	120 DEGF	248 DEGF	HVAC TEMP MAPS DWG G-135	REF(1) P 4-18	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17	
MANUFACTURER: NAMCO	PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE, RELATIVE HUMIDITY AND RADIATION ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
MODEL AND SERIAL NUMBER: EA 170-32302	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
SERVICE DESCRIPTION: CCW SUPPLY TO NNS ISO VALVE	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION: AM	RADIATION	2300 RADS	SEE NOTE (1)	RADIATION MAPS ZONE-N DWG-135	SEE NOTE (1)	-		EBASCO FILE NO: EQ-ME-6	
ACCURACY SPECIFIED: N/A	AGING	140 YRS + 1 YR	400 HRS AT 120C EQUIV TO 20 YRS AT 104F	FSAR SEC.3.11.1	REF(1) P 4-27 (FIG.14)	TYPE TEST			
ACCURACY DEMONS.: N/A	SUBMERGENCE	N/R	-	-	-	-			
LOCATION: AUX BUILDING ELEVATION: +21 FT.	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:					
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	ANALYSIS M-3			REFERENCES: (1) NAMCO QUALIFICATION OF EA 170-XX302 REPORT NO. QTR 107 REV.0					REVISION NO.-01 PREPARER: BM 07/30/82 DATE CHECKER :SKS 07/30/82 DATE
COORDINATES: L-4A									SYSTEM: COMPONENT COOLING WATER
ENVIRON'T IS HARSH									QDEF SHEET NO.-1245
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									
QUALIF STATUS: QUALIFIED									

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	COMPONENT	OPERATING TIME	120 DAYS	30 DAYS IN LOCA ENV	FSAR TABLE 3.11-2	REF(1) P 3-2	TYPE TEST +	YES	QUALIFIED LIFE IS: 4 YEARS	
COMPONENT:	SOLENOID					SEC 3.2.7	ENG. EVAL.			
PLANT NUMBER:	3CC-F123 B	TEMPERATURE	120 DEGF	346 F PEAK	HVAC TEMP MAPS DWG G-135	REF(1) P 4-4 SEC 4.7	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: 4 YRS COMPS. REPLACEMENT REF(1) APP. I SEC 3.2.3.13	
MANUFACTURER:	ASCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
MODEL AND SERIAL NUMBER:	NP 831664 V	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE, RELATIVE HUMIDITY AND RADIATION ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION:	CCW SUPPLY TO NNS ISO VALVE	CHEMICAL SPRAY	N/R	-	-	-	-			
FUNCTION:	AM									
ACCURACY SPECIFIED:	N/A	RADIATION	2300 RADS	SEE NOTE (1)	RADIATION MAPS ZONE-N DWG G-135	SEE NOTE (1)	-		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.:	N/A	AGING	140 YRS + 1 YR ACCIDENT	268F FOR 12 DAYS EQ TO 4.4 YRS AT 140 F	FSAR SEC. 3.11.1	REF(1) APP A P 9-384	TYPE TEST			
LOCATION:	AUX BUILDING	SUBMERGENCE	N/R	-	-	-	-			
ELEVATION:	+21 FT.									
FLOOD LEVEL EL:	N/A FEET									
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	K-4A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE! OTHER EQUIPMENT THIS QDEF APPLIES TO:								
ENVIRONMENT IS HARSH:		ANALYSIS M-1 O! T! P! H! C! R! A! S!								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO	REFERENCES: (1) ASCO TEST REPORT # AQS21678/TR REV A JULY 1979								PREPARER: BM 07/30/82 DATE
QUALIF STATUS:	QUALIFIED									CHECKER : SKS 07/30/82 DATE
									SYSTEM: COMPONENT COOLING WATER	
									QDEF SHEET NO.-1246	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT	COOLING WATER	OPERATING TIME	120 DAYS	400 HOURS	FSAR TABLE 3.11-2	REF(1) P 4-18	TYPE TEST + ENG. EVAL.	QUALIFIED LIFE IS: 5 YEARS
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: 3CC-F123 B		TEMPERATURE	120 DEGF	248DEGF	HVAC TEMP MAPS DWG G-135	REF(1) P 4-18	TYPE TEST	MAINTENANCE / REPLACEMENT SCHD: MAINTENANCE PROCEDURE EA179-90051 REF(1)P.4-17
MANUFACTURER: NAMCO		PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-	(1) PRESSURE, RELATIVE HUMIDITY AND RADIATION ARE NOT CONSIDERED
MODEL AND SERIAL NUMBER: EA 170-32302		RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-	SIGNIFICANT PARAMETERS FOR EVALUATION
SERVICE DESCRIPTION: CCW SUPPLY TO NNS ISO VALVE		CHEMICAL SPRAY	N/R	-	-	-	-	
FUNCTION: AM		RADIATION	2300 RADS	SEE NOTE (1)	RADIATION MAPS ZONE-N DWG G-135	SEE NOTE (1)	-	EBASCO FILE NO: EQ-ME-6
ACCURACY SPECIFIED: N/A		AGING	40 YRS + 1 YR	400 HRS AT 120C EQUIV TO 20 YRS AT 104 F	FSAR SEC.3.11.1	REF(1) P 4-27 (FIG 14)	TYPE TEST	
ACCURACY DEMONS.: N/A		SUBMERGENCE	N/R	-	-	-	-	
LOCATION: AUX BUILDING ELEVATION: +21 FT.		INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-3						
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A		OTHER EQUIPMENT THIS QDEF APPLIES TO:						
COORDINATES: K-4A		REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX302 REPORT NO. QTR 107 REV. 0						
ENVIRON'T IS HARSH		REVISION NO.-01						
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		PREPARER: BM 07/30/82 DATE						
QUALIF STATUS: QUALIFIED		CHECKER :SKS 07/30/82 DATE						
		SYSTEM: COMPONENT COOLING WATER QDEF SHEET NO.-1247						

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: COMPONENT	COOLING WATER	OPERATING TIME	120 DAYS	NONE	FSAR TABLE 3.11-2	NONE	-	QUALIFIED LIFE IS:	
COMPONENT: SOLENOID				(2)		(2)			
PLANT NUMBER: 3CC-F132 A/B		TEMPERATURE	120 DEGF	NONE	HVAC TEMP MAPS DWG G-135	NONE	-	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ASCO		PRESSURE	10 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-	(1) PRESSURE, RELATIVE HUMIDITY AND RADIATION ARE NOT CONSIDERED	
MODEL AND SERIAL NUMBER: HT 831665		RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-	SIGNIFICANT PARAMETERS FOR EVALUATION	
SERVICE DESCRIPTION: NNS TO CCW PUMP SUCT HDR ISO VA								(2) NO QUALIFICATION DOCUMENTS AVAILABLE. QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING	
FUNCTION: AM		CHEMICAL SPRAY	N/R	-	-	-	-	EBASCO FILE NO: EQ-ME-4	
ACCURACY SPECIFIED: N/A		RADIATION	2300 RADS	SEE NOTE (1)	RADIATION MAPS ZONE-N DWG G-135	SEE NOTE (1)	-		
ACCURACY DEMONSTRATED: N/A		AGING	140 YRS +	NONE	FSAR SEC. 3.11.1	NONE	-		
LOCATION: AUX BUILDING ELEVATION: +21 FT.		ACCIDENT		SEE NOTE (2)		SEE NOTE (2)			
FLOOD LEVEL EL: N/A FEET		SUBMERGENCE	N/R	-	-	-	-		
ABOVE FLOOD LEVEL: N/A									
COORDINATES: L-6A		INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
ENVIRON'T IS HARSH								REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: BM 07/30/82 DATE	
QUALIF STATUS: NOT QUALIFIED					REFERENCES:			CHECKER: SKS 07/30/82 DATE	
								SYSTEM: COMPONENT	
								COOLING WATER	
								QDEF SHEET NO.-1248	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: COMPONENT	OPERATING TIME	!!120 DAYS	!400 HOURS	! FSAR TABLE	! REF(1)	! TYPE	! YES	! QUALIFIED
COMPONENT: LIMIT SWITCH		!!	!	! 3.11-2	! P 4-18	! TEST +	!	! LIFE IS:
		!!	!	!	!	! ENG.	!	! 5 YEARS
		!!	!	!	!	! EVAL.	!	!
PLANT NUMBER: 3CC-F132 A/B	TEMPERATURE	!!120 DEGF	!248 DEGF	! HVAC	! REF(1)	! TYPE	!	! MAINTENANCE /
		!!	!	! TEMP MAPS	! P 4-18	! TEST	!	! REPLACEMENT SCHD:
		!!	!	! DWG G-135	!	!	!	! MAINTENANCE
		!!	!	!	!	!	!	! PROCEDURE
MANUFACTURER: NAMCO	PRESSURE	!!0 PSIG	!SEE NOTE	! FSAR TABLE	! SEE NOTE	! -	!	! EA179-90051
		!!	! (1)	! 3.11-1	! (1)	!	!	! REF(1)P.4-17
		!!	!	!	!	!	!	! (1) PRESSURE,
		!!	!	!	!	!	!	! RELATIVE HUMIDITY
MODEL AND SERIAL NUMBER: EA 170-32302		!!	!	!	!	!	!	! AND RADIATION ARE
		!!	!	!	!	!	!	! NOT CONSIDERED
SERVICE DESCRIPTION: NNS TO CCW PUMP SUCT HDR ISO VA	RELATIVE HUMIDITY	!!20-90%	!SEE NOTE	! FSAR TABLE	! SEE NOTE	! -	!	! SIGNIFICANT PARA-
		!!	! (1)	! 3.11-1	! (1)	!	!	! METERS FOR
		!!	!	!	!	!	!	! EVALUATION
		!!	!	!	!	!	!	!
FUNCTION: AM	CHEMICAL SPRAY	!!N/R	!-	! -	! -	! -	!	!
		!!	!	!	!	!	!	!
		!!	!	!	!	!	!	!
		!!	!	!	!	!	!	!
ACCURACY SPECIFIED: N/A	RADIATION	!!2300 RADS	!SEE NOTE	! RADIATION	! SEE NOTE	! -	!	! EBASCO FILE NO:
		!!	! (1)	! MAPS	! (1)	!	!	! EQ-ME-6
		!!	!	! ZONE-N	!	!	!	!
		!!	!	! DWG G-135	!	!	!	!
ACCURACY DEMONS.: N/A	AGING	!!40 YRS +	!400 HRS AT	! FSAR	! REF(1)	! TYPE	!	!
		!!1 YR	!120C EQUIV	! SEC.3.11.1	! P 4-27	! TEST	!	!
LOCATION: AUX BUILDING		!!ACCIDENT	!TO 20 YRS	!	! (FIG 14)	!	!	!
ELEVATION: +21 FT.		!!	!AT 104 F	!	! P 10-62	!	!	!
		!!	!	!	!	!	!	!
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	!!N/R	!-	! -	! -	! -	!	!
		!!	!	!	!	!	!	!
		!!	!	!	!	!	!	!
		!!	!	!	!	!	!	!
ABOVE FLOOD LEVEL: N/A		!!	!	!	!	!	!	!
		!!	!	!	!	!	!	!
COORDINATES: L-CA	! INDEX FOR INCONSISTENCY!							!
	! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
	! (IF REQUIRED) !							!
ENVIRON'T IS HARSH	! ANALYSIS M-3							! REVISION NO. -01
	O!							!
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	T!							! PREPARER: BM 07/30/82
	P!							! DATE
QUALIF STATUS: QUALIFIED	H!							! CHECKER :SKS 07/30/82
	C!							! DATE
	R!							!
	A!							! SYSTEM: COMPONENT
	S!							! COOLING WATER
								! QDEF SHEET NO. -1249

REFERENCES: (1)NAMCO QUALIFICATION OF
EA170-XX302
REPORT NO QTR 107 REV. 0

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
SYSTEM:	COMPONENT	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
	COOLING WATER	OPERATING TIME	120 DAYS	NONE SEE NOTE (2)	FSAR TABLE 3.11-2	NONE SEE NOTE (2)	-		QUALIFIED LIFE IS:	
COMPONENT:	SOLENOID									
PLANT NUMBER:	3CC-F133 A/B	TEMPERATURE	120 DEGF	NONE SEE NOTE (2)	HVAC TEMP MAPS DWG G-135	NONE SEE NOTE (2)	-		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ASCO	PRESSURE	0 PSIG	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-			
MODEL AND SERIAL NUMBER:	HT 831665	RELATIVE HUMIDITY	20-90%	SEE NOTE (1)	FSAR TABLE 3.11-1	SEE NOTE (1)	-		(1) PRESSURE, RELATIVE HUMIDITY AND RADIATION ARE NOT CONSIDERED	
SERVICE DESCRIPTION:	CCW SUPP TO CH FEED TK ISO VLV								SIGNIFICANT PARAMETERS FOR EVALUATION (2)NO QUALIFICATION DOCUMENTS	
FUNCTION:	AM	CHEMICAL SPRAY	N/R	-	-	-	-		AVAILABLE QUALIFIED REPLACEMENT WILL BE INSTALLED BEFORE FUEL LOADING	
ACCURACY SPECIFIED:	N/A	RADIATION	2300 RADS	SEE NOTE (1)	RADIATION MAPS ZONE-N DWG G-135	SEE NOTE (1)	-		EBASCO FILE NO: EQ-ME-4	
ACCURACY DEMONS.:	N/A									
LOCATION:	AUX BUILDING	AGING	40 YRS + 1 YR ACCIDENT	NONE SEE NOTE (2)	FSAR SEC.3.11-1	NONE SEE NOTE (2)	-			
ELEVATION:	+21 FT.									
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R	-	-	-	-			
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:	L-4A	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)								OTHER EQUIPMENT THIS QDEF APPLIES TO:
ENVIRON'T IS HARSH									REVISION NO. -01	
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO								PREPARER: BM 07/30/82 DATE	
QUALIF STATUS:	NOT QUALIFIED				REFERENCES:				CHECKER :SKS 07/30/82 DATE	
									SYSTEM: COMPONENT COOLING WATER	
									QDEF SHEET NO. -1250	

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	COMPONENT	OPERATING TIME	!!120 DAYS	!400 HOURS	! FSAR TABLE	! REF (1)	! TYPE	! YES	! QUALIFIED
COMPONENT:	LIMIT SWITCH		!!	!	! 3.11-2	! P4-18	! TEST +	!	! LIFE IS:
			!!	!	!	!	! ENG.	!	! 5 YEARS
			!!	!	!	!	! EVAL	!	!
PLANT NUMBER:	3CC-F133 A/B	TEMPERATURE	!!120 DEGF	!248 DEGF	! HVAC	! REF (1)	! TYPE	!	! MAINTENANCE /
		URE	!!	!	! TEMP MAPS	! P 4-18	! TEST	!	! REPLACEMENT SCHD:
			!!	!	! DWG G-135	!	!	!	! MAINTENANCE
			!!	!	!	!	!	!	! PROCEDURE
MANUFACTURER:	NAMCO	PRESSURE	!!0 PSIG	!SEE NOTE	! FSAR TABLE	! SEE NOTE	! -	!	! EA179-90051
			!!	! (1)	! 3.11-1	! (1)	!	!	! REF(1)P.4-17
			!!	!	!	!	!	!	!
MODEL AND SERIAL NUMBER:	EA 170-32302	RELATIVE HUMIDITY	!!20-90%	!SEE NOTE	! FSAR TABLE	! SEE NOTE	! -	!	! (1) PRESSURE,
			!!	! (1)	! 3.11-1	! (1)	!	!	! RELATIVE HUMIDITY
SERVICE DESCRIPTION:	CCW SUPPL TO CH FEED TK ISO VLV		!!	!	!	!	!	!	! AND RADIATION ARE
			!!	!	!	!	!	!	! NOT CONSIDERED
			!!	!	!	!	!	!	! SIGNIFICANT PARA-
			!!	!	!	!	!	!	! METERS FOR
			!!	!	!	!	!	!	! EVALUATION
FUNCTION:	AM	CHEMICAL SPRAY	!!N/R	!	! -	! -	! -	!	!
			!!	!	!	!	!	!	!
			!!	!	!	!	!	!	!
ACCURACY SPECIFIED:	N/A	RADIATION	!!2300 RADS	!SEE NOTE	! RADIATION	! SEE NOTE	! -	!	! EBASCO FILE NO:
			!!	! (1)	! MAPS	! (1)	!	!	! EQ-ME-6
			!!	!	! ZONE-N	!	!	!	!
ACCURACY DEMONS.:	N/A		!!	!	! DWG G-135	!	!	!	!
			!!	!	!	!	!	!	!
LOCATION:	AUX BUILDING	AGING	!!40 YRS +	!400 HRS AT	! FSAR	! REF(1)	! TYPE	!	!
ELEVATION:	+21 FT.		!!1 YR	!120C EQUIV	! SEC.	! P 4-27	! TEST	!	!
			!!ACCIDENT	!TO 20 YRS	! 3.11.1	! (FIG. 14)	!	!	!
			!!	!AT 104 F	!	! P.10-62	!	!	!
			!!	!	!	!	!	!	!
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	!!N/R	!-	! -	! -	! -	!	!
			!!	!	!	!	!	!	!
			!!	!	!	!	!	!	!
ABOVE FLOOD LEVEL:	N/A		!!	!	!	!	!	!	!
			!!	!	!	!	!	!	!
COORDINATES:	L-4A	! INDEX FOR INCONSISTENCY!							!
		! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
		! (IF REQUIRED) !							!
ENVIRON'T IS HARSH		! ANALYSIS M-3							!
		O!							!
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		T!							!
		P!							!
QUALIF STATUS: QUALIFIED		H!							!
		C!							!
		R!							!
		A!							!
		S!							!
		REFERENCES: (1) NAMCO QUALIFICATION OF EA170-XX 302 REPORT NO. QTR 107 REV. 0							!
		! SYSTEM:COMPONENT							!
		! COOLING WATER							!
		! QDEF SHEET NO. -1251							!

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: RADIATION MONITORING	OPERATING TIME	1 HOUR	QUALIF'N REPORT UNDER REVIEW	FSAR TABLE 3.11-2	QUALIF'N REPORT UNDER REVIEW			QUALIFIED LIFE IS:
COMPONENT: RADIATION DETECTOR								
PLANT NUMBER: RD-HV-3024S	TEMPERATURE	414 F	QUALIF'N REPORT UNDER REVIEW	MSLB/LOCA PROFILE TABLE 1	QUALIF'N REPORT UNDER REVIEW			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: GENERAL ATOMIC	PRESSURE	44 PSIG	QUALIF'N REPORT UNDER REVIEW	MSLB/LOCA PROFILE TABLE 1	QUALIF'N REPORT UNDER REVIEW			
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	100 %	QUALIF'N REPORT UNDER REVIEW	FSAR TABLE 3.11-1	QUALIF'N REPORT UNDER REVIEW			
SERVICE DESCRIPTION: CONTAINMENT PURGE ISOLATION	CHEMICAL SPRAY	PH-5.0 TO 9.0 BORON-1750 TO 2150 PPM	QUALIF'N REPORT UNDER REVIEW	FSAR TABLE 3.11-1	QUALIF'N REPORT UNDER REVIEW			
FUNCTION: PAM	RADIATION	2.6 MRAD	QUALIF'N REPORT UNDER REVIEW	RAD MAPS ZONE:CC DWG G-143	QUALIF'N REPORT UNDER REVIEW			
ACCURACY SPECIFIED: DEMONS.:	AGING	40 YEARS + 1 HR	QUALIF'N REPORT UNDER REVIEW	FSAR SEC. 3.11.1	QUALIF'N REPORT UNDER REVIEW			
LOCATION: CONT. BUILDING ELEVATION: +58.0 FT.	SUBMERGENCE	N/A	N/A	N/A	N/A			
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES								
COORDINATES: ENVIRON'T IS HARSH	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-74 IN PROGRESS	O T P H C R A S							PREPARER: JS 07/30/82 DATE CHECKER : GB 07/30/82 DATE SYSTEM: RADIATION MONITORING QDEF SHEET NO.-1600
	REFERENCES:							

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	RADIATION MONITORING	OPERATING TIME	1 HOUR	QUALIF'N	FSAR TABLE 3.11-2	QUALIF'N			QUALIFIED LIFE IS:	
COMPONENT:	RADIATION DETECTOR			UNDER REVIEW		UNDER REVIEW				
PLANT NUMBER:	RD-HV-3025S	TEMPERATURE	414 F	QUALIF'N	MSLB/LOCA PROFILE TABLE 1	QUALIF'N			MAINTENANCE / REPLACEMENT SCHED:	
MANUFACTURER:	GENERAL ATOMIC	PRESSURE	44 PSIG	QUALIF'N	MSLB/LOCA PROFILE TABLE 1	QUALIF'N				
MODEL AND SERIAL NUMBER:		RELATIVE HUMIDITY	100 %	QUALIF'N	FSAR TABLE 3.11-1	QUALIF'N				
SERVICE DESCRIPTION:	CONTAINMENT PURGE ISOLATION			UNDER REVIEW		UNDER REVIEW				
FUNCTION:	PAM	CHEMICAL SPRAY	PH-5.0 TO 9.0 BORON-1750 TO 2150 PPM	QUALIF'N	FSAR TABLE 3.11-1	QUALIF'N				
ACCURACY SPECIFIED:		RADIATION	2.6 MRAD	QUALIF'N	RAD MAPS ZONE:CC DWG G-143	QUALIF'N				
ACCURACY DEMONS.:		AGING	40 YEARS + 1 HR ACCIDENT	QUALIF'N	FSAR SEC. 3.11.1	QUALIF'N				
LOCATION:	CONT. BUILDING			UNDER REVIEW		UNDER REVIEW				
ELEVATION:	+58.0 FT.									
FLOOD LEVEL EL:	+0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A				
ABOVE FLOOD LEVEL:	YES									
COORDINATES:		INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:		REFERENCES:								PREPARER: JS 07/30/82
QUALIF STATUS:										DATE
QUALIFICATION PENDING: TESTING TO IEEE 323-74 IN PROGRESS										CHECKER : GB 07/30/82
										DATE
										SYSTEM: RADIATION MONITORING
										QDEF SHEET NO.-1601

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: RADIATION MONITORING	OPERATING TIME	1 HOUR	!QUALIF'N !REPORT !UNDER !REVIEW	FSAR TABLE 3.11-2	!QUALIF'N !REPORT !UNDER !REVIEW			QUALIFIED LIFE IS:
COMPONENT: RADIATION DETECTOR								
PLANT NUMBER: RD-HV-3026S	TEMPERATURE	1414 F	!QUALIF'N !REPORT !UNDER !REVIEW	MSLB/LOCA PROFILE TABLE 1	!QUALIF'N !REPORT !UNDER !REVIEW			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: GENERAL ATOMIC	PRESSURE	144 PSIG	!QUALIF'N !REPORT !UNDER !REVIEW	MSLB/LOCA PROFILE TABLE 1	!QUALIF'N !REPORT !UNDER !REVIEW			
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	100 %	!QUALIF'N !REPORT !UNDER !REVIEW	FSAR TABLE 3.11-1	!QUALIF'N !REPORT !UNDER !REVIEW			
SERVICE DESCRIPTION: CONTAINMENT PURGE ISOLATION								
FUNCTION: PAM	CHEMICAL SPRAY	PH-5.0 TO 9.0 BORON-1750 TO 2150 PPM	!QUALIF'N !REPORT !UNDER !REVIEW	FSAR TABLE 3.11-1	!QUALIF'N !REPORT !UNDER !REVIEW			
ACCURACY SPECIFIED:	RADIATION	2.6 MRAD	!QUALIF'N !REPORT !UNDER !REVIEW	RAD MAPS ZONE:CC DWG G-144	!QUALIF'N !REPORT !UNDER !REVIEW			
ACCURACY DEMONS.:	AGING	40 YEARS + 1 HR ACCIDENT	!QUALIF'N !REPORT !UNDER !REVIEW	FSAR SEC. 3.11.1	!QUALIF'N !REPORT !UNDER !REVIEW			
LOCATION: CONT. BUILDING ELEVATION: +31.0 FT.								
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/A	!N/A !N/A !N/A !N/A					
COORDINATES:	!INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							! REVISION NO. -01
ENVIRON'T IS HARSH	! OTHER EQUIPMENT THIS QDEF APPLIES TO:							! PREPARER: JS 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:	! O ! T ! P ! H ! C ! R ! A ! S !							! DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-74 IN PROGRESS	! REFERENCES:							! CHECKER : GB 07/30/82
								! DATE
								! SYSTEM: RADIATION MONITORING
								! QDEF SHEET NO. -1602

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: RADIATION MONITORING	OPERATING TIME	1 HOUR	QUALIF'N	FSAR TABLE 3.11-2	QUALIF'N			QUALIFIED LIFE IS:
COMPONENT: RADIATION DETECTOR			REVIEW		REVIEW			
PLANT NUMBER: RD-HV-3027S	TEMPERATURE	414 F	QUALIF'N	MSLB/LOCA PROFILE TABLE 1	QUALIF'N			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: GENERAL ATOMIC	PRESSURE	44 PSIG	QUALIF'N	MSLB/LOCA PROFILE TABLE 1	QUALIF'N			
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	100 %	QUALIF'N	FSAR TABLE 3.11-1	QUALIF'N			
SERVICE DESCRIPTION: CONTAINMENT PURGE ISOLATION			REVIEW		REVIEW			
FUNCTION: PAM	CHEMICAL SPRAY	PH-5.0 TO 9.0 BORON-1750 TO 2150 PPM	QUALIF'N	FSAR TABLE 3.11-1	QUALIF'N			
ACCURACY SPECIFIED:	RADIATION	2.6 MRAD	QUALIF'N	RAD MAPS ZONE:CC DWG G-144	QUALIF'N			
ACCURACY DEMONS.:			REVIEW		REVIEW			
LOCATION: CONT. BUILDING ELEVATION: +31.0 FT.	AGING	40 YEARS + 1 HR ACCIDENT	QUALIF'N	FSAR SEC. 3.11.1	QUALIF'N			
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL EL: YES								
COORDINATES:	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: JS 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER : GB 07/30/82 DATE
QUALIF STATUS:				REFERENCES:				
QUALIFICATION PENDING: TESTING TO IEEE 323-74 IN PROGRESS								SYSTEM: RADIATION MONITORING QDEF SHEET NO.-1603

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: RADIATION MONITORING	OPERATING TIME	1 HOUR	QUALIF'N REPORT UNDER REVIEW	FSAR TABLE 3.11-2	QUALIF'N REPORT UNDER REVIEW			QUALIFIED LIFE IS:
COMPONENT: MICRO PROCESSOR								
PLANT NUMBER: RE-HV-50245	TEMPERATURE	148 F	QUALIF'N REPORT UNDER REVIEW	HVAC TEMP. MAP DWG G-145	QUALIF'N REPORT UNDER REVIEW			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: GENERAL ATOMIC	PRESSURE	0 PSIG	QUALIF'N REPORT UNDER REVIEW	FSAR TABLE 3.11-1	QUALIF'N REPORT UNDER REVIEW			
MODEL AND SERIAL NUMBER: RM-80	RELATIVE HUMIDITY	20-90 %	QUALIF'N REPORT UNDER REVIEW	FSAR TABLE 3.11-1	QUALIF'N REPORT UNDER REVIEW			
SERVICE DESCRIPTION: CONTAINMENT PURGE ISOLATION	CHEMICAL SPRAY	N/A	QUALIF'N REPORT UNDER REVIEW	N/A	N/A			
ACCURACY SPECIFIED:	RADIATION	6200 RADS	QUALIF'N REPORT UNDER REVIEW	RAD MAPS ZONE:FF DWG G-145	QUALIF'N REPORT UNDER REVIEW			
ACCURACY DEMONS.:	AGING	40 YEARS + 1 HR	QUALIF'N REPORT UNDER REVIEW	FSAR SEC. 3.11.1	QUALIF'N REPORT UNDER REVIEW			
LOCATION: RAB BUILDING ELEVATION: +8.0 FT.	ACCIDENT		QUALIF'N REPORT UNDER REVIEW					
FLOOD LEVEL EL: NONE FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A			
COORDINATES:	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								
EQUIPMENT EXEMPT FROM QUALIFICATION:								PREPARER: JS 07/30/82 DATE
QUALIF STATUS: PENDING: TESTING TO IEEE 323-74 IN PROGRESS				REFERENCES:				CHECKER : GB 07/30/82 DATE
								SYSTEM: RADIATION MONITORING QDEF SHEET NO.-1604

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	RADIATION MONITORING	OPERATING TIME	1 HOUR	QUALIF'N REPORT UNDER REVIEW	FSAR TABLE 2.11-2	QUALIF'N REPORT UNDER REVIEW			QUALIFIED LIFE IS:	
COMPONENT:	MICRO PROCESSOR									
PLANT NUMBER:	RE-HV-5025S	TEMPERATURE	1148 F	QUALIF'N REPORT UNDER REVIEW	HVAC TEMP. MAP DWG G-145	QUALIF'N REPORT UNDER REVIEW			MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	GENERAL ATOMIC	PRESSURE	10 PSIG	QUALIF'N REPORT UNDER REVIEW	FSAR TABLE 3.11-1	QUALIF'N REPORT UNDER REVIEW				
MODEL AND SERIAL NUMBER:	RM-80	RELATIVE HUMIDITY	20-90 %	QUALIF'N REPORT UNDER REVIEW	FSAR TABLE 3.11-1	QUALIF'N REPORT UNDER REVIEW				
SERVICE DESCRIPTION:	CONTAINMENT PURGE ISOLATION									
FUNCTION:	PAM	CHEMICAL SPRAY	N/A	N/A	N/A	N/A				
ACCURACY SPECIFIED:		RADIATION	6200 RAD	QUALIF'N REPORT UNDER REVIEW	RAD MAPS ZONE FF DWG G-145	QUALIF'N REPORT UNDER REVIEW				
ACCURACY DEMONS.:										
LOCATION:	RAB BUILDING	AGING	40 YEARS + 1 HR ACCIDENT	QUALIF'N REPORT UNDER REVIEW	FSAR SEC. 3.11.1	QUALIF'N REPORT UNDER REVIEW				
ELEVATION:	+8.0 FT.									
FLOOD LEVEL EL:	NONE FEET	SUBMERGENCE	N/A	N/A	N/A	N/A				
ABOVE FLOOD LEVEL:	N/A									
COORDINATES:		INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:								
ENVIRON'T IS HARSH									REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION:									PREPARER: JS 07/30/82 DATE	
QUALIF STATUS:									CHECKER : GB 07/30/82 DATE	
QUALIFICATION PENDING: TESTING TO IEEE 323-74 IN PROGRESS					REFERENCES:				SYSTEM: RADIATION MONITORING	
									QDEF SHEET NO.-1605	

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	RADIATION MONITORING	! OPERATING TIME	!! 1 HOUR	!QUALIF'N !REPORT !UNDER !REVIEW	! FSAR TABLE 3.11-2	! QUALIF'N !REPORT !UNDER !REVIEW	!	!	! QUALIFIED LIFE IS:
COMPONENT:	MICRO PROCESSOR	!	!!	!	!	!	!	!	
PLANT NUMBER:	RE-HV-50265	! TEMPERATURE	!! 148 F	!QUALIF'N !REPORT !UNDER !REVIEW	! HVAC TEMP. MAP DWG G-145	! QUALIF'N !REPORT !UNDER !REVIEW	!	!	! MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	GENERAL ATOMIC	! PRESSURE	!! 0 PSIG	!QUALIF'N !REPORT !UNDER !REVIEW	! FSAR TABLE 3.11-1	! QUALIF'N !REPORT !UNDER !REVIEW	!	!	!
MODEL AND SERIAL NUMBER:	RM-80	! RELATIVE HUMIDITY	!! 20-90 %	!QUALIF'N !REPORT !UNDER !REVIEW	! FSAR TABLE 3.11-1	! QUALIF'N !REPORT !UNDER !REVIEW	!	!	!
SERVICE DESCRIPTION:	CONTAINMENT PURGE ISOLATION	! CHEMICAL SPRAY	!! N/A	! N/A	! N/A	! N/A	!	!	!
FUNCTION:	PAM	! RADIATION	!! 6200 RADS	!QUALIF'N !REPORT !UNDER !REVIEW	! RAD MAPS ZONE:FF DWG G-145	! QUALIF'N !REPORT !UNDER !REVIEW	!	!	!
ACCURACY SPECIFIED:		! AGING	!! 40 YEARS	!QUALIF'N !REPORT !UNDER !REVIEW	! FSAR SEC. 3.11.1	! QUALIF'N !REPORT !UNDER !REVIEW	!	!	!
ACCURACY DEMONS.:		! LOCATION: RAB BUILDING	!! + 1 HR	!REPORT !UNDER !REVIEW	!	!	!	!	!
		! ELEVATION: +8.0 FT.	!! ACCIDENT	!UNDER !REVIEW	!	!	!	!	!
FLOOD LEVEL EL:	NONE FEET	! SUBMERGENCE	!! N/A	! N/A	! N/A	! N/A	!	!	!
ABOVE FLOOD LEVEL:	N/A	!	!!	!	!	!	!	!	!
COORDINATES:		! INDEX FOR INCONSISTENCY!							!
ENVIRON'T IS HARSH		! ANALYSIS IN WORKFILE (IF REQUIRED)							!
EQUIPMENT EXEMPT FROM QUALIFICATION:		! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
QUALIF STATUS:		!							! REVISION NO.-01
QUALIFICATION PENDING: TESTING TO IEEE 323-74 IN PROGRESS		!							! PREPARER: JS 07/30/82
		!							! DATE
		!							! CHECKER : GB 07/30/82
		!							! DATE
		!							! SYSTEM: RADIATION
		!							! MONITORING
		!							! QDEF SHEET NO.-1606

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: RADIATION MONITORING	OPERATING TIME	1 HOUR	!QUALIF 'N !REPORT !UNDER !REVIEW	FSAR TABLE 3.11-2	!QUALIF 'N !REPORT !UNDER !REVIEW	!	!	QUALIFIED LIFE IS:
COMPONENT: MICRO PROCESSOR								
PLANT NUMBER: RE-HV-5027S	TEMPERATURE	1148 F	!QUALIF 'N !REPORT !UNDER !REVIEW	HVAC TEMP. MAP DWG G-145	!QUALIF 'N !REPORT !UNDER !REVIEW	!	!	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: GENERAL ATOMIC	PRESSURE	0 PSIG	!QUALIF 'N !REPORT !UNDER !REVIEW	FSAR TABLE 3.11-1	!QUALIF 'N !REPORT !UNDER !REVIEW	!	!	
MODEL AND SERIAL NUMBER: RM-80	RELATIVE HUMIDITY	20-90 %	!QUALIF 'N !REPORT !UNDER !REVIEW	FSAR TABLE 3.11-1	!QUALIF 'N !REPORT !UNDER !REVIEW	!	!	
SERVICE DESCRIPTION: CONTAINMENT PURGE ISOLATION								
FUNCTION: PAM	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	!	!	
ACCURACY SPECIFIED:	RADIATION	6200 RADS	!QUALIF 'N !REPORT !UNDER !REVIEW	RAD MAPS ZONE: FF DWG G-145	!QUALIF 'N !REPORT !UNDER !REVIEW	!	!	
ACCURACY DEMONS.:								
LOCATION: RAB BUILDING ELEVATION: +8.0 FT.	AGING	140 YEARS + 1 HR	!QUALIF 'N !REPORT !UNDER !REVIEW	FSAR SEC. 3.11.1	!QUALIF 'N !REPORT !UNDER !REVIEW	!	!	
FLOOD LEVEL EL: NONE FEET	SUBMERGENCE	N/A	N/A	N/A	N/A	!	!	
ABOVE FLOOD LEVEL: N/A								
COORDINATES:	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH			O!					PREPARER: JS 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:			T!					DATE
QUALIF STATUS:			P!					CHECKER : GB 07/30/82
QUALIFICATION PENDING: TESTING TO IEEE 323-74 IN PROGRESS			H!	REFERENCES:				DATE
			C!					
			R!					SYSTEM: RADIATION MONITORING
			A!					QDEF SHEET NO.-1607
			S!					

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: RADIATION MONITORING	OPERATING TIME	1 HOUR	QUALIF'N	FSAR TABLE 3.11-2	QUALIF'N	REPORT		QUALIFIED LIFE IS:
COMPONENT: INDICATOR			UNDER REVIEW		UNDER REVIEW			
PLANT NUMBER: RIA-HV-3024S	TEMPERATURE	414 F	QUALIF'N	MSLB/LOCA PROFILE TABLE 1	QUALIF'N	REPORT UNDER REVIEW		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: GENERAL ATOMIC	PRESSURE	44 PSIG	QUALIF'N	MSLB/LOCA PROFILE TABLE 1	QUALIF'N	REPORT UNDER REVIEW		
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	100 %	QUALIF'N	FSAR TABLE 3.11-1	QUALIF'N	REPORT UNDER REVIEW		
SERVICE DESCRIPTION: CONTAINMENT PURGE ISOLATION			UNDER REVIEW		UNDER REVIEW			
FUNCTION: PAM	CHEMICAL SPRAY	PH-5.0 TO 9.0 BORON-1750 TO 2150 PPM	QUALIF'N	FSAR TABLE 3.11-1	QUALIF'N	REPORT UNDER REVIEW		
ACCURACY SPECIFIED:	RADIATION	2.6 MRAD	QUALIF'N	RAD MAPS ZONE:CC DWG G-143	QUALIF'N	REPORT UNDER REVIEW		
ACCURACY DEMONS.:	AGING	40 YEARS + 1 HR ACCIDENT	QUALIF'N	FSAR SEC. 3.11.1	QUALIF'N	REPORT UNDER REVIEW		
LOCATION: CONT. BUILDING ELEVATION: +58.0 FT.			UNDER REVIEW		UNDER REVIEW			
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/A	N/A	N/A	N/A			
COORDINATES:	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRONMENT IS HARSH								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:			O					PREPARER: JS 07/30/82
QUALIF STATUS:			T					DATE
QUALIFICATION PENDING: TESTING TO IEEE 323-74 IN PROGRESS			P	REFERENCES:				CHECKER: GB 07/30/82
			H					DATE
			C					
			R					SYSTEM: RADIATION MONITORING
			A					QDEF SHEET NO.-1608
			S					

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: RADIATION MONITORING	OPERATING TIME	!! 1 HOUR	!QUALIF'N !REPORT !UNDER !REVIEW	! FSAR TABLE ! 3.11-2	! QUALIF'N ! REPORT ! UNDER ! REVIEW	!	!	! QUALIFIED LIFE IS
COMPONENT: INDICATOR		!!	!	!	!	!	!	
PLANT NUMBER: RIA-HV-30255	TEMPERATURE	!! 414 F	!QUALIF'N !REPORT !UNDER !REVIEW	! MSLB/LOCA ! PROFILE ! TABLE 1	! QUALIF'N ! REPORT ! UNDER ! REVIEW	!	!	! MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: GENERAL ATOMIC	PRESSURE	!! 44 PSIG	!QUALIF'N !REPORT !UNDER !REVIEW	! MSLB/LOCA ! PROFILE ! TABLE 1	! QUALIF'N ! REPORT ! UNDER ! REVIEW	!	!	
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!! 100 %	!QUALIF'N !REPORT !UNDER !REVIEW	! FSAR TABLE ! 3.11-1	! QUALIF'N ! REPORT ! UNDER ! REVIEW	!	!	
SERVICE DESCRIPTION: CONTAINMENT PURGE ISOLATION		!!	!	!	!	!	!	
FUNCTION: PAM	CHEMICAL SPRAY	!! PH-5.0 TO 9.0 BORON-1750 TO 2150 PPM	!QUALIF'N !REPORT !UNDER !REVIEW	! FSAR TABLE ! 3.11-1	! QUALIF'N ! REPORT ! UNDER ! REVIEW	!	!	
ACCURACY SPECIFIED:	RADIATION	!! 2.6 MRAD	!QUALIF'N !REPORT !UNDER !REVIEW	! RAD ! MAPS ! ZONE:CC ! DWG G-143	! QUALIF'N ! REPORT ! UNDER ! REVIEW	!	!	
ACCURACY DEMONS.:	AGING	!! 40 YEARS + 1 HR	!QUALIF'N !REPORT !UNDER !REVIEW	! FSAR SEC. ! 3.11.1	! QUALIF'N ! REPORT ! UNDER ! REVIEW	!	!	
LOCATION: CONT. BUILDING ELEVATION: +58.0 FT.	ACCIDENT	!!	!	!	!	!	!	
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	!! N/A	!N/A !N/A !N/A !N/A			!	!	
ABOVE FLOOD LEVEL: YES		!!	!	!	!	!	!	
COORDINATES:	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			! OTHER EQUIPMENT THIS QDEF APPLIES TO:				!
ENVIRON'T IS HARSH			!					! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:			O!					! PREPARER: JS 07/30/82 DATE
QUALIF STATUS:			T!					! CHECKER : GB 07/30/82 DATE
QUALIFICATION PENDING: TESTING TO IEEE 323-74 IN PROGRESS			P!	REFERENCES:				!
			H!					! SYSTEM: RADIATION MONITORING
			C!					! QDEF SHEET NO.-1609
			R!					
			A!					
			S!					

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	RADIATION MONITORING	! OPERATING TIME	!! 1 HOUR	!QUALIF'N !REPORT !UNDER !REVIEW	! FSAR TABLE 3.11-2	! QUALIF'N !REPORT !UNDER !REVIEW	!	!	! QUALIFIED LIFF IS:	
COMPONENT:	INDICATOR	!	!!	!	!	!	!	!		
PLANT NUMBER:	RIA-HV-30265	! TEMPERATURE	!! 414 F	!QUALIF'N !REPORT !UNDER !REVIEW	! MSLB/LOCA PROFILE TABLE 1	! QUALIF'N !REPORT !UNDER !REVIEW	!	!	! MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	GENERAL ATOMIC	! PRESSURE	!! 44 PSIG	!QUALIF'N !REPORT !UNDER !REVIEW	! MSLB/LOCA PROFILE TABLE 1	! QUALIF'N !REPORT !UNDER !REVIEW	!	!		
MODEL AND SERIAL NUMBER:		! RELATIVE HUMIDITY	!! 100 %	!QUALIF'N !REPORT !UNDER !REVIEW	! FSAR TABLE 3.11-1	! QUALIF'N !REPORT !UNDER !REVIEW	!	!		
SERVICE DESCRIPTION:	CONTAINMENT PURGE ISOLATION	! CHEMICAL SPRAY	!! PH-5.0 TO 9.0 BORON-1750 TO 2150 PPM	!QUALIF'N !REPORT !UNDER !REVIEW	! FSAR TABLE 3.11-1	! QUALIF'N !REPORT !UNDER !REVIEW	!	!		
ACCURACY SPECIFIED:		! RADIATION	!! 2.6 MRAD	!QUALIF'N !REPORT !UNDER !REVIEW	! RAD MAPS ZONE:CC DWG G-144	! QUALIF'N !REPORT !UNDER !REVIEW	!	!		
ACCURACY DEMONS.:		! AGING	!! 40 YEARS + 1 HR	!QUALIF'N !REPORT !UNDER !REVIEW	! FSAR SEC. 3.11.1	! QUALIF'N !REPORT !UNDER !REVIEW	!	!		
LOCATION:	CONT. BUILDING	! ACCIDENT	!!	!QUALIF'N !REPORT !UNDER !REVIEW	!	!	!	!		
ELEVATION:	+31.0 FT.	! SUBMERGENCE	!! N/A	!QUALIF'N !REPORT !UNDER !REVIEW	! N/A	! N/A	!	!		
FLOOD LEVEL EL:	+0.5 FEET	!	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:	YES	!	!!	!	!	!	!	!		
COORDINATES:		! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: (IF REQUIRED) !						!	!	!
ENVIRON'T IS HARSH									! REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION:									! PREPARER: JS 07/30/82 DATE	
QUALIF STATUS:									! CHECKER : GB 07/30/82 DATE	
QUALIFICATION PENDING: TESTING TO IEEE 323-74 IN PROGRESS					REFERENCES:				! SYSTEM: RADIATION MONITORING QDEF SHEET NO.-1610	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: RADIATION MONITORING	OPERATING TIME	1 HOUR	QUALIF'N	FSAR TABLE 3.11-2	QUALIF'N			QUALIFIED LIFE IS:
COMPONENT: INDICATOR			UNDER REVIEW		UNDER REVIEW			
PLANT NUMBER: RIA-HV-30275	TEMPERATURE	414 F	QUALIF'N	MSLB/LOCA PROFILE TABLE 1	QUALIF'N			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: GENERAL ATOMIC	PRESSURE	44 PSIG	QUALIF'N	MSLB/LOCA PROFILE TABLE 1	QUALIF'N			
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	100 %	QUALIF'N	FSAR TABLE 3.11-1	QUALIF'N			
SERVICE DESCRIPTION: CONTAINMENT PURGE ISOLATION			UNDER REVIEW		UNDER REVIEW			
FUNCTION: PAM	CHEMICAL SPRAY	PH-5.0 TO 9.0 BORON-1750 TO 2150 PPM	QUALIF'N	FSAR TABLE 3.11-1	QUALIF'N			
ACCURACY SPECIFIED:	RADIATION	2.6 MRAD	QUALIF'N	RAD MAPS ZONE:CC DWG G-144	QUALIF'N			
ACCURACY DEMONS.:			UNDER REVIEW		UNDER REVIEW			
LOCATION: CONT. BUILDING ELEVATION: +31.0 FT.	AGING	40 YEARS + 1 HR ACCIDENT	QUALIF'N	FSAR SEC. 3.11.1	QUALIF'N			
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/A	N/A	N/A	N/A			
COORDINATES:	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRONMENT IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:	REFERENCES:							PREP'ER: JS 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-74 IN PROGRESS								CHECKER: GB 07/30/82 DATE
								SYSTEM: RADIATION MONITORING
								QDEF SHEET NO.-1611

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: RADIATION MONITORING	OPERATING TIME	!!120 DAYS	!QUALIF'N !REPORT	! FSAR TABLE ! 3.11-2	! QUALIF'N ! REPORT	!	!	! QUALIFIED LIFE IS:	
COMPONENT: RADIATION DETECTOR		!!	!UNDER !REVIEW	!	! UNDER ! REVIEW	!	!	!	
PLANT NUMBER: RD-HV-3029S	TEMPERATURE	!!135 F	!QUALIF'N !REPORT	! HVAC TEMP. ! MAP	! QUALIF'N ! REPORT	!	!	! MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: GENERAL ATOMIC		!!	!UNDER !REVIEW	! DWG G-144	! UNDER ! REVIEW	!	!	!	
MODEL AND SERIAL NUMBER:	PRESSURE	!!0 PSIG	!QUALIF'N !REPORT	! FSAR TABLE ! 3.11-1	! QUALIF'N ! REPORT	!	!	!	
SERVICE DESCRIPTION: POST LOCA MONITORING	RELATIVE HUMIDITY	!!20-90 %	!QUALIF'N !REPORT	! FSAR TABLE ! 3.11-1	! QUALIF'N ! REPORT	!	!	!	
FUNCTION: PAM	CHEMICAL SPRAY	!!N/A	!N/A	! N/A	! QUALIF'N ! REPORT ! UNDER ! REVIEW	!	!	!	
ACCURACY SPECIFIED:	RADIATION	!!190 RADS	!QUALIF'N !REPORT	! RAD ! MAPS	! QUALIF'N ! REPORT	!	!	!	
ACCURACY DEMONS.:		!!	!UNDER !REVIEW	! ZONE:EE ! DWG G-144	! UNDER ! REVIEW	!	!	!	
LOCATION: RAB BUILDING ELEVATION: +31.0 FT.	AGING	!!40 YEARS !!+ 120 DAYS	!QUALIF'N !REPORT	! FSAR SEC. ! 3.11.1	! QUALIF'N ! REPORT	!	!	!	
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	!!N/A	!N/A	! N/A	! N/A	!	!	!	
COORDINATES: 231	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE (IF REQUIRED)						!	!	!
ENVIRON'T IS HARSH	! OTHER EQUIPMENT THIS QDEF APPLIES TO:						!	!	! REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:	!						!	!	! PREPARER: JS 07/30/82 ! DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-74 IN PROGRESS	! REFERENCES:						!	!	! CHECKER : GB 07/30/82 ! DATE
	!						!	!	! SYSTEM: RADIATION MONITORING
	!						!	!	! QDEF SHEET NO. - 1612

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	RADIATION MONITORING	OPERATING TIME	120 DAYS	QUALIF'N REPORT UNDER REVIEW	FSAR TABLE 3.11-2	QUALIF'N REPORT UNDER REVIEW			QUALIFIED LIFE IS:
COMPONENT:	RADIATION DETECTOR								
PLANT NUMBER:	RD-HV-3030S	TEMPERATURE	104 F	QUALIF'N REPORT UNDER REVIEW	HVAC TEMP. MAP DWG G-144	QUALIF'N REPORT UNDER REVIEW			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	GENERAL ATOMIC	PRESSURE	0 PSIG	QUALIF'N REPORT UNDER REVIEW	FSAR TABLE 3.11-1	QUALIF'N REPORT UNDER REVIEW			
MODEL AND SERIAL NUMBER:		RELATIVE HUMIDITY	20-90 %	QUALIF'N REPORT UNDER REVIEW	FSAR TABLE 3.11-1	QUALIF'N REPORT UNDER REVIEW			
SERVICE DESCRIPTION:	POST LOCA MONITORING	CHEMICAL SPRAY	N/A	N/A	N/A	QUALIF'N REPORT UNDER REVIEW			
FUNCTION:	PAM								
ACCURACY SPECIFIED:		RADIATION	190 RADS	QUALIF'N REPORT UNDER REVIEW	RAD MAPS ZONE:EE DWG G-144	QUALIF'N REPORT UNDER REVIEW			
ACCURACY DEMONS.:		AGING	140 YEARS	QUALIF'N REPORT UNDER REVIEW	FSAR SEC. 3.11.1	QUALIF'N REPORT UNDER REVIEW			
LOCATION:	RAB BUILDING	ACCIDENT							
ELEVATION:	+31.0 FT.								
FLOOD LEVEL:	N/A FEET	SUBMERGENCE	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL:	N/A								
COORDINATES:	116	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH									REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:									PREPARER: JS 07/30/82 DATE
QUALIF STATUS:									CHECKER : GB 07/30/82 DATE
QUALIFICATION PENDING: TESTING TO IEEE 323-74 IN PROGRESS					REFERENCES:				SYSTEM RADIATION MONITORING QDEF SHEET NO.-1613

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: RADIATION MONITORING	OPERATING TIME	120 DAYS	QUALIF'N REPORT UNDER REVIEW	FSAR TABLE 3.11-2	QUALIF'N REPORT UNDER REVIEW			QUALIFIED LIFE IS:
COMPONENT: MICRO PROCESSOR								
PLANT NUMBER: RE-HV-50295	TEMPERATURE	135 F	QUALIF'N REPORT UNDER REVIEW	HVAC TEMP. MAP DWG G-144	QUALIF'N REPORT UNDER REVIEW			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: GENERAL ATOMIC	PRESSURE	10 PSIG	QUALIF'N REPORT UNDER REVIEW	FSAR TABLE 3.11-1	QUALIF'N REPORT UNDER REVIEW			
MODEL AND SERIAL NUMBER: RM-80	RELATIVE HUMIDITY	20-90 %	QUALIF'N REPORT UNDER REVIEW	FSAR TABLE 3.11-1	QUALIF'N REPORT UNDER REVIEW			
SERVICE DESCRIPTION: POST LOCA MONITORING	CHEMICAL SPRAY	N/A	N/A	N/A	QUALIF'N REPORT UNDER REVIEW			
FUNCTION: PAM								
ACCURACY SPECIFIED:	RADIATION	190 RADS	QUALIF'N REPORT UNDER REVIEW	RAD MAPS ZONE:EE DWG G-144	QUALIF'N REPORT UNDER REVIEW			
ACCURACY DEMONS.:	AGING	40 YEARS + 120 DAYS	QUALIF'N REPORT UNDER REVIEW	FSAR SEC. 3.11.1	QUALIF'N REPORT UNDER REVIEW			
LOCATION: RAB BUILDING ELEVATION: +26.0 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A			
COORDINATES: 232	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS HARSH								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:								PREPARER: JS 07/30/82 DATE
QUALIF STATUS: QUALIFICATION PENDING: TESTING TO IEEE 323-74 IN PROGRESS	REFERENCES:							CHECKER : GB 07/30/82 DATE
								SYSTEM: RADIATION MONITORING
								QDEF SHEET NO.-1614

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	RADIATION MONITORING	OPERATING TIME	120 DAYS	QUALIF'N REPORT UNDER REVIEW	FSAR TABLE 3.11-2	QUALIF'N REPORT UNDER REVIEW			QUALIFIED LIFE IS:
COMPONENT:	MICRO PROCESSOR								
PLANT NUMBER:	RE-HV-50305	TEMPERATURE	104 F	QUALIF'N REPORT UNDER REVIEW	HVAC TEMP. MAP DWG G-144	QUALIF'N REPORT UNDER REVIEW			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	GENERAL ATOMIC	PRESSURE	10 PSIG	QUALIF'N REPORT UNDER REVIEW	FSAR TABLE 3.11-1	QUALIF'N REPORT UNDER REVIEW			
MODEL AND SERIAL NUMBER:	RM-80	RELATIVE HUMIDITY	20-90 %	QUALIF'N REPORT UNDER REVIEW	FSAR TABLE 3.11-1	QUALIF'N REPORT UNDER REVIEW			
SERVICE DESCRIPTION:	POST LOCA MONITORING	CHEMICAL SPRAY	N/A	N/A	N/A	QUALIF'N REPORT UNDER REVIEW			
FUNCTION:	PAM	RADIATION	190 RADS	QUALIF'N REPORT UNDER REVIEW	RAD MAPS ZONE:EE DWG G-144	QUALIF'N REPORT UNDER REVIEW			
ACCURACY SPECIFIED:		AGING	140 YEARS + 120 DAYS	QUALIF'N REPORT UNDER REVIEW	FSAR SEC. 3.11.1	QUALIF'N REPORT UNDER REVIEW			
ACCURACY DEMONS.:			ACCIDENT	UNDER REVIEW					
LOCATION:	RAB BUILDING	SUBMERGENCE	N/A	N/A	N/A	N/A			
ELEVATION:	+26.0 FT.								
FLOOD LEVEL EL:	N/A FEET								
ABOVE FLOOD LEVEL:	N/A								
COORDINATES:	118	! INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH		! ANALYSIS IN WORKFILE (IF REQUIRED)							
EQUIPMENT EXEMPT FROM QUALIFICATION:		! OTHER EQUIPMENT THIS QDEF APPLIES TO:							
QUALIF STATUS:		! REFERENCES:							
QUALIFICATION PENDING: TESTING TO IEEE 323-74 IN PROGRESS		O! T! P! H! C! R! A! S!							
		! REVISION NO. -01							
		! PREPARER: JS 07/30/82							
		! DATE							
		! CHECKER : GB 07/30/82							
		! DATE							
		! SYSTEM: RADIATION MONITORING							
		! QDEF SHEET NO. -1615							

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	RADIATION MONITORING	OPERATING TIME	120 DAYS	QUALIF'N REPORT UNDER REVIEW	FSAR TABLE 3.11-2	QUALIF'N REPORT UNDER REVIEW		QUALIFIED LIFE IS:	
COMPONENT:	MICRO PROCESSOR								
PLANT NUMBER:	RE-HV-50295	TEMPERATURE	135 F	QUALIF'N REPORT UNDER REVIEW	HVAC TEMP. MAP DWG G-144	QUALIF'N REPORT UNDER REVIEW		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	GENERAL ATOMIC	PRESSURE	0 PSIG	QUALIF'N REPORT UNDER REVIEW	FSAR TABLE 3.11-1	QUALIF'N REPORT UNDER REVIEW			
MODEL AND SERIAL NUMBER:	RM-80	RELATIVE HUMIDITY	20-90 %	QUALIF'N REPORT UNDER REVIEW	FSAR TABLE 3.11-1	QUALIF'N REPORT UNDER REVIEW			
SERVICE DESCRIPTION:	POST LOCA MONITORING	CHEMICAL SPRAY	N/A	N/A	N/A	QUALIF'N REPORT UNDER REVIEW			
FUNCTION:	PAM								
ACCURACY SPECIFIED:		RADIATION	190 RADS	QUALIF'N REPORT UNDER REVIEW	RAD MAPS ZONE:EE DWG G-144	QUALIF'N REPORT UNDER REVIEW			
ACCURACY DEMONS.:									
LOCATION:	RAB BUILDING	AGING	40 YEARS + 120 DAYS	QUALIF'N REPORT UNDER REVIEW	FSAR SEC. 3.11.1	QUALIF'N REPORT UNDER REVIEW			
ELEVATION:	+26.0 FT.		ACCIDENT	UNDER REVIEW					
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL:	N/A								
COORDINATES:	232	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:		REFERENCES:							PREPARER: JS 07/30/82 DATE
QUALIF STATUS:									CHECKER : GB 07/30/82 DATE
QUALIFICATION PENDING: TESTING TO IEEE 323-74 IN PROGRESS									SYSTEM: RADIATION MONITORING QDEF SHEET NO. -1618

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: RADIATION MONITORING	OPERATING TIME	!!120 DAYS	!QUALIF'N !REPORT !UNDER !REVIEW	FSAR TABLE 3.11-2	!QUALIF'N !REPORT !UNDER !REVIEW	!	!	! QUALIFIED LIFE IS:	
COMPONENT: MICRO PROCESSOR		!!	!		!	!	!		
PLANT NUMBER: RE-HV-5030S	TEMPERATURE	!!104 F	!QUALIF'N !REPORT !UNDER !REVIEW	HVAC TEMP MAP DWG G-144	!QUALIF'N !REPORT !UNDER !REVIEW	!	!	! MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: GENERAL ATOMIC	PRESSURE	!!0 PSIG	!QUALIF'N !REPORT !UNDER !REVIEW	FSAR TABLE 3.11-1	!QUALIF'N !REPORT !UNDER !REVIEW	!	!		
MODEL AND SERIAL NUMBER: RM-80	RELATIVE HUMIDITY	!!20-90 %	!QUALIF'N !REPORT !UNDER !REVIEW	FSAR TABLE 3.11-1	!QUALIF'N !REPORT !UNDER !REVIEW	!	!		
SERVICE DESCRIPTION: POST LOCA MONITORING	CHEMICAL SPRAY	!!N/A	!N/A !N/A !N/A	N/A	!QUALIF'N !REPORT !UNDER !REVIEW	!	!		
ACCURACY SPECIFIED:	RADIATION	!!190 RADS	!QUALIF'N !REPORT !UNDER !REVIEW	RAD MAPS ZONE:EE DWG G-144	!QUALIF'N !REPORT !UNDER !REVIEW	!	!		
ACCURACY DEMONS.:	AGING	!!140 YEARS	!QUALIF'N !REPORT !UNDER !REVIEW	FSAR SEC. 3.11.1	!QUALIF'N !REPORT !UNDER !REVIEW	!	!		
LOCATION: RAB BUILDING	ACCIDENT	!!	!		!	!	!		
ELEVATION: +26.0 FT.		!!	!		!	!	!		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	!!N/A	!N/A !N/A !N/A	N/A	!	!	!		
ABOVE FLOOD LEVEL: N/A		!!	!		!	!	!		
COORDINATES: 118	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: (IF REQUIRED) !						!	!	!
ENVIRON'T IS HARSH			!			!	!	! REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION:			O!			!	!	! PREPARER: JS 07/30/82	
QUALIF STATUS: -			T!			!	!	! DATE	
QUALIFICATION PENDING: TESTING TO IEEE 323-74 IN PROGRESS			P!	REFERENCES:		!	!	! CHECKER : GB 07/30/82	
			H!			!	!	! DATE	
			C!			!	!	!	
			R!			!	!	! SYSTEM: RADIATION MONITORING	
			A!			!	!	! QDEF SHEET NO.-1619	
			S!			!	!		

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: RADIATION MONITORING	OPERATING TIME	120 DAYS	UNDER REVIEW	FSAR TABLE 3.11-2	UNDER REVIEW			QUALIFIED LIFE IS:
COMPONENT: MICROPROCESSOR								
PLANT NUMBER: RE-HV-0110	TEMPERATURE	135 F	UNDER REVIEW	HVAC TEMP. MAPS G-143	UNDER REVIEW			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: GENERAL ATOMIC	PRESSURE	10 PSIG	UNDER REVIEW	FSAR TABLE 3.11-1	UNDER REVIEW			
MODEL AND SERIAL NUMBER: RM-80	RELATIVE HUMIDITY	20-90%	UNDER REVIEW	FSAR TABLE 3.11-1	UNDER REVIEW			
SERVICE DESCRIPTION:	CHEMICAL SPRAY	N/A	N/A	N/A	N/A			
FUNCTION: POST ACCIDENT MONITORING								
ACCURACY SPECIFIED:	RADIATION	2,300 RADS	UNDER REVIEW	RAD MAPS ZONE N G-135	UNDER REVIEW			
ACCURACY DEMONS.:	AGING	40 YEARS	UNDER REVIEW	FSAR PARAGRAPH 3.11.1	UNDER REVIEW			
LOCATION: RAB BUILDING								
ELEVATION: +21.0 FT.								
FLOOD LEVEL EL: FEET	SUBMERGENCE	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: N/A								
COORDINATES: K-8A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS								PREPARER: JS 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION: U								DATE
QUALIF STATUS: UNQUALIFIED-QUALIFICATION TEST DOCUMENTATION UNDER REVIEW				REFERENCES:				CHECKER: GB 07/30/82
								DATE
								SYSTEM: RADIATION MONITORING
								QDEF SHEET NO.-1620

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: RADIATION MONITORING	OPERATING TIME	120 DAYS	UNDER REVIEW	FSAR TABLE 3.11-2	UNDER REVIEW			QUALIFIED LIFE IS:	
COMPONENT: RADIATION DETECTION SKID									
PLANT NUMBER: RD-HV-0110	TEMPERATURE	135 F	UNDER REVIEW	HVAC TEMP. MAPS G-143	UNDER REVIEW			MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: GENERAL ATOMIC	PRESSURE	10 PSIG	UNDER REVIEW	FSAR TABLE 3.11-1	UNDER REVIEW				
MODEL AND SERIAL NUMBER: WRGM	RELATIVE HUMIDITY	20-90%	UNDER REVIEW	FSAR TABLE 3.11-1	UNDER REVIEW				
SERVICE DESCRIPTION: NOBLE GAS DETECTION	CHEMICAL SPRAY	N/A	N/A	N/A	N/A				
FUNCTION: POST ACCIDENT MONITORING	RADIATION	170 RADS	UNDER REVIEW	RAD MAPS ZONE DD DWG D-143	UNDER REVIEW				
ACCURACY SPECIFIED: ACCURACY DEMONS.:	AGING	140 YEARS	UNDER REVIEW	FSAR PARAGRAPH 3.11.1	UNDER REVIEW				
LOCATION: RAB BUILDING		+120 DAYS							
ELEVATION: +46.0 FT.		POST ACCIDENT							
FLOOD LEVEL EL: FEET	SUBMERGENCE	N/A	N/A	N/A	N/A				
ABOVE FLOOD LEVEL: N/A									
COORDINATES: L-8A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS ODEF APPLIES TO:	REVISION NO. -01
ENVIRON'T IS								PREPARER: JS 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION:								DATE	
QUALIF STATUS: UNQUALIFIED-QUALIFICATION TEST DOCUMENTATION UNDER REVIEW								CHECKER : GB 07/30/82	
								DATE	
								SYSTEM: RADIATION MONITORING	
								ODEF SHEET NO. -1621	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: RADIATION MONITORING	OPERATING TIME	120 DAYS	UNDER REVIEW	FSAR TABLE 3.11-2	UNDER REVIEW			QUALIFIED LIFE IS:	
COMPONENT: SAMPLING COND. SKID									
PLANT NUMBER:	TEMPERATURE	135 F	UNDER REVIEW	HVAC TEMP. MAPS	UNDER REVIEW			MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: GENERAL ATOMIC	PRESSURE	10 PSIG	UNDER REVIEW	FSAR TABLE 3.11-1	UNDER REVIEW				
MODEL AND SERIAL NUMBER: WRGM	RELATIVE HUMIDITY	120-90%	UNDER REVIEW	FSAR TABLE 3.11-1	UNDER REVIEW				
SERVICE DESCRIPTION: GTHRNG OF PART. IODINE SMLNG	CHEMICAL SPRAY	N/A	N/A	N/A	N/A				
FUNCTION:	RADIATION	1 MRAD	UNDER REVIEW	RAD MAPS ZONE HH DWG G-143	UNDER REVIEW				
ACCURACY SPECIFIED:	AGING	140 YEARS	UNDER REVIEW	FSAR PARAGRAPH 3.11.1	UNDER REVIEW				
ACCURACY DEMONS.:	LOCATION: RB BUILDING ELEVATION: +46.0 FT.	POST ACCIDENT							
FLOOD LEVEL EL: FEET	SUBMERGENCE	N/A	N/A	N/A	N/A				
ABOVE FLOOD LEVEL: N/A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.-01
COORDINATES: L,M-5A.6A	ENVIRON'T IS							PREPARER: JS 07/30/82	DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:U	EQUIPMENT EXEMPT FROM QUALIFICATION:U							CHECKER: GB 07/30/82	DATE
QUALIF STATUS: UNQUALIFIED-QUALIFICATION TEST DOCUMENTATION UNDER REVIEW	QUALIF STATUS: UNQUALIFIED-QUALIFICATION TEST DOCUMENTATION UNDER REVIEW							REFERENCES:	SYSTEM: RADIATION MONITORING
									QDEF SHEET NO.-1622

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	RADIATION MONITORING	OPERATING TIME	120 DAYS	UNDER REVIEW	FSAR TABLE 3.11-2	UNDER REVIEW			QUALIFIED LIFE IS:
COMPONENT:	DETECTOR								
PLANT NUMBER:	RD-CA-540G AS	TEMPERATURE	144 F PEAK	UNDER REVIEW	MSLB/LOCA PROFILE TABLE 1	UNDER REVIEW			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	GENERAL ATOMIC	PRESSURE	144 PSIG PEAK	UNDER REVIEW	MSLB/LOCA PROFILE TABLE 1	UNDER REVIEW			
MODEL AND SERIAL NUMBER:	RD-23	RELATIVE HUMIDITY	100%	UNDER REVIEW	100%	UNDER REVIEW			
SERVICE DESCRIPTION:		CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON 1750 TO 2150 PPM	UNDER REVIEW	FSAR TABLE 3.11-1	UNDER REVIEW			
FUNCTION:	POST ACCIDENT MONITORING								
ACCURACY SPECIFIED:	+/-20%	RADIATION	33 MRAD	UNDER REVIEW	RAD MAPS ZONE CC DWG G-143	UNDER REVIEW			
ACCURACY DEMONS.:		AGING	140 YEARS + 120 DAYS POST ACCIDENT	UNDER REVIEW	FSAR PARAGRAPH 3.11.1	UNDER REVIEW			
LOCATION:	RB BUILDING								
ELEVATION:	+99'5 FT.								
FLOOD LEVEL EL:	+1.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL:	N/A								
COORDINATES:	90	INDEX FOR INCONSISTENCY AND THIS IN WORKFILE (REQUIRED)							
ENVIRONMENT IS		OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:		REFERENCES:							PREPARER: JS 07/30/82 DATE
QUALIF STATUS:									CHECKER : GB 07/30/82 DATE
UNQUALIFIED- QUALIFICATION TEST DOCUMENTATION UNDER REVIEW									SYSTEM: RADIATION MONITORING
									QDEF SHEET NO.-1623

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: RADIATION MONITORING	OPERATING TIME	!!120 DAYS	!UNDER REVIEW	! FSAR TABLE 3.11-2	! UNDER REVIEW	!	!	! QUALIFIED LIFE IS:
COMPONENT: MICROPROCESSOR		!!	!	!	!	!	!	
PLANT NUMBER: RE-CA-5400 AS	TEMPERATURE	!!120 F	!UNDER REVIEW	! HVAC TEMP. MAPS G-135	! UNDER REVIEW	!	!	! MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: GENERAL ATOMIC	PRESSURE	!!N/A	!N/A	! N/A	! N/A	!	!	
MODEL AND SERIAL NUMBER: RM-80	RELATIVE HUMIDITY	!!20-90%	!UNDER REVIEW	! FSAR TABLE 3.11-1	! UNDER REVIEW	!	!	
SERVICE DESCRIPTION:	CHEMICAL SPRAY	!!N/A	!N/A	! N/A	! N/A	!	!	
FUNCTION: POST ACCIDENT MONITORING		!!	!	!	!	!	!	
ACCURACY SPECIFIED:	RADIATION	!!2300 RADS	!UNDER REVIEW	! RAD MAPS DWG G-135	! UNDER REVIEW	!	!	
ACCURACY DEMONS.:		!!	!	!	!	!	!	
LOCATION: RAB BUILDING ELEVATION: +21.0 FT.	AGING	!!40 YEARS !!+ 120 DAYS	!UNDER REVIEW	! FSAR PARAGRAPH 3.11.1	! UNDER REVIEW	!	!	
		!!POST ACCIDENT	!	!	!	!	!	
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!N/A	!N/A	! N/A	! UNDER REVIEW	!	!	
ABOVE FLOOD LEVEL: N/A		!!	!	!	!	!	!	
COORDINATES: K-8A	! INDEX FOR INCONS STENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
ENVIRON'T IS			O!					! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:			T!					! PREPARER: JS 07/30/82
QUALIF STATUS: UNQUALIFIED-QUALIFICATION TEST DOCUMENTATION UNDER REVIEW			P!					! DATE
			H!	REFERENCES:				! CHECKER : GB 07/30/82
			C!					! DATE
			R!					! SYSTEM: RADIATION MONITORING
			A!					! QDEF SHEET NO.-1624
			S!					

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: RADIATION MONITORING	OPERATING TIME	120 DAYS	UNDER REVIEW	FSAR TABLE 3.11-2	UNDER REVIEW			QUALIFIED LIFE IS:
COMPONENT: DETECTOR								
PLANT NUMBER: RD-CA-5400 BS	TEMPERATURE	1414 F PEAK	UNDER REVIEW	MSLB/LOCA PROFILE TABLE 1	UNDER REVIEW			MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: GENERAL ATOMIC	PRESSURE	144 PSIG PEAK	UNDER REVIEW	MSLB/LOCA PROFILE TABLE 1	UNDER REVIEW			
MODEL AND SERIAL NUMBER: RD-23	RELATIVE HUMIDITY	100%	UNDER REVIEW	FSAR TABLE 3.11-1	UNDER REVIEW			
SERVICE DESCRIPTION:	CHEMICAL SPRAY	PH 5.0 TO 9.0 BORON 1750 TO 2150 PPM	UNDER REVIEW	FSAR TABLE 3.11-1	UNDER REVIEW			
FUNCTION: POST ACCIDENT MONITORING								
ACCURACY SPECIFIED: +/-20%	RADIATION	33 MRAD	UNDER REVIEW	RAD MAPS ZONE CC DWG G-143	UNDER REVIEW			
ACCURACY DEMONS.:	AGING	140 YEARS	UNDER REVIEW	FSAR PARAGRAPH 3.11.1	UNDER REVIEW			
LOCATION: RB BUILDING								
ELEVATION: 99.5' FT.								
FLOOD LEVEL EL: +.5 FEET	SUBMERGENCE	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: N/A								
COORDINATES: 270	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:	REFERENCES:							PREPARER: JS 07/30/82
QUALIF STATUS: UNQUALIFIED- QUALIFICATION TEST DOCUMENTATION UNDER REVIEW								CHECKER: GB 07/30/82
								DATE
								SYSTEM: RADIATION MONITORING
								QDEF SHEET NO. -1625

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: RADIATION MONITORING	OPERATING TIME	120 DAYS	UNDER REVIEW	FSAR TABLE 3.11-2	UNDER REVIEW			QUALIFIED LIFE IS:
COMPONENT: MICROPROCESSOR								
PLANT NUMBER: RE-CA-5400 BS	TEMPERATURE	120 F	UNDER REVIEW	HVAC TEMP. MAPS G-135	UNDER REVIEW			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: GENERAL ATOMIC	PRESSURE	10 PSIG	UNDER REVIEW	FSAR TABLE 3.11-1	UNDER REVIEW			
MODEL AND SERIAL NUMBER: RM-80	RELATIVE HUMIDITY	120-90%	UNDER REVIEW	FSAR TABLE 3.11-1	UNDER REVIEW			
SERVICE DESCRIPTION:								
FUNCTION: POST ACCIDENT MONITORING	CHEMICAL SPRAY	N/A	N/A	N/A	N/A			
ACCURACY SPECIFIED:	RADIATION	2300 RADS	UNDER REVIEW	RAD MAPS ZONE N G-135	UNDER REVIEW			
ACCURACY DEMONS.:	AGING	140 YEARS + 120 DAYS	UNDER REVIEW	FSAR PARAGRAPH 3.11.1	UNDER REVIEW			
LOCATION: RAB BUILDING								
ELEVATION: +21.0 FT.								
FLOOD LEVEL EL: FEET	SUBMERGENCE	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: N/A								
COORDINATES: K-8A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRON'T IS							REVISION NO. -01	
EQUIPMENT EXEMPT FROM QUALIFICATION:							PREPARER: JS 07/30/82	
QUALIF STATUS: UNQUALIFIED-QUALIFICATION TEST DOCUMENTATION UNDER REVIEW							DATE	
							CHECKER: GB 07/30/82	
							DATE	
							SYSTEM: RADIATION MONITORING	
							QDEF SHEET NO.-1626	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: RADIATION MONITORING	OPERATING TIME	!!120 DAYS	!UNDER REVIEW	! FSAR TABLE 3.11-2	! UNDER REVIEW	!	!	! QUALIFIED LIFE IS:
COMPONENT: MICROPROCESSOR		!!	!	!	!	!	!	!
PLANT NUMBER: RE-MS-5500 B	TEMPERATURE	!!120 F	!UNDER REVIEW	! HVAC TEMP. MAPS G-135	! UNDER REVIEW	!	!	! MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: GENERAL ATOMIC	PRESSURE	!!0 PSIG	!UNDER REVIEW	! FSAR TABLE 3.11-1	! UNDER REVIEW	!	!	!
MODEL AND SERIAL NUMBER: RM-80	RELATIVE HUMIDITY	!!20-90%	!UNDER REVIEW	! FSAR TABLE 3.11-1	! UNDER REVIEW	!	!	!
SERVICE DESCRIPTION:		!!	!	!	!	!	!	!
FUNCTION: POST ACCIDENT MONITORING	CHEMICAL SPRAY	!!N/A	!N/A	! N/A	! N/A	!	!	!
ACCURACY SPECIFIED:	RADIATION	!!2300 RADS	!UNDER REVIEW	! RAD MAPS ZONE N G-135	! UNDER REVIEW	!	!	!
ACCURACY DEMONS.:		!!	!	!	!	!	!	!
LOCATION: RAB BUILDING ELEVATION: +21.0 FT.	AGING	!!40 YEARS !!+ 120 DAYS	!UNDER REVIEW	! FSAR PARAGRAPH 3.11.1	! UNDER REVIEW	!	!	!
FLOOD LEVEL EL: FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	!!N/A	!N/A	! N/A	! N/A	!	!	!
COORDINATES: K-8A	!INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:							!
ENVIRON'T IS	! (IF REQUIRED) !							!
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: UNQUALIFIED- QUALIFICATION TEST DOCUMENTATION UNDER REVIEW	! O ! T ! P ! H ! C ! R ! A ! S !							!
	! REFERENCES:							!
	! REVISION NO.-01							!
	! PREPARER: JS 07/30/82							!
	! DATE							!
	! CHECKER : GB 07/30/82							!
	! DATE							!
	! SYSTEM: RADIATION MONITORING							!
	! QDEF SHEET NO.-1627							!

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: RADIATION MONITORING	OPERATING TIME	120 DAYS	UNDER REVIEW	FSAR TABLE 3.11-2	UNDER REVIEW			QUALIFIED LIFE IS:
COMPONENT: MICROPROCESSOR								
PLANT NUMBER: RE-MS-5500 A	TEMPERATURE	120 F	UNDER REVIEW	HVAC TEMP. MAPS G-135	UNDER REVIEW			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: GENERAL ATOMIC	PRESSURE	10 PSIG	UNDER REVIEW	FSAR TABLE 3.11-1	UNDER REVIEW			
MODEL AND SERIAL NUMBER: RM-80	RELATIVE HUMIDITY	120-90%	UNDER REVIEW	FSAR TABLE 3.11-1	UNDER REVIEW			
SERVICE DESCRIPTION: POST ACCIDENT MONITORING	CHEMICAL SPRAY	N/A	N/A	N/A	N/A			
ACCURACY SPECIFIED:	RADIATION	2300 RADS	UNDER REVIEW	RAD MAPS ZONE N G-135	UNDER REVIEW			
ACCURACY DEMONS.:	AGING	140 YEARS + 120 DAYS	UNDER REVIEW	FSAR PARAGRAPH 3.11.1	UNDER REVIEW			
LOCATION: RAB BUILDING ELEVATION: +21.0 FT.	SUBMERGENCE	N/A	N/A	N/A	N/A			
FLOOD LEVEL EL: FEET ABOVE FLOOD LEVEL: N/A								
COORDINATES: K-8A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
ENVIRON'T IS								PREPARER: JS 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:								DATE
QUALIF STATUS: UNQUALIFIED- QUALIFICATION TEST DOCUMENTATION UNDER REVIEW				REFERENCES:				CHECKER : GB 07/30/82
								DATE
								SYSTEM: RADIATION MONITORING
								QDEF SHEET NO.-1628

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:	
COMPONENT:		!!	!	!	!	!	!		
PLANT NUMBER: RD-HV-0200.1AS	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:		!!	!	!	!	!	!		
MODEL AND SERIAL NUMBER:	PRESSURE	!!	!	!	!	!	!	IN PROGRESS	
SERVICE DESCRIPTION:	RELATIVE HUMIDITY	!!	!	!	!	!	!		
FUNCTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	RADIATION	!!	!	!	!	!	!		
ACCURACY DEMONS.:		!!	!	!	!	!	!		
LOCATION: BUILDING	AGING	!!	!	!	!	!	!		
ELEVATION: FT.		!!	!	!	!	!	!		
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!		
COORDINATES:	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: ! (IF REQUIRED) !						!	!	!
ENVIRON'T IS								! REVISION NO. -	
EQUIPMENT EXEMPT FROM QUALIFICATION:			O!					! PREPARER: 07/30/82	
QUALIF STATUS:			T!					! DATE	
			P!					! CHECKER : 07/30/82	
			H!	REFERENCES:				! DATE	
			C!					!	
			R!					! SYSTEM:	
			A!					!	
			S!					! QDEF SHEET NO. -1629	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:	
COMPONENT:		!!	!	!	!	!	!		
PLANT NUMBER: RD-HV-0200.2BS	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:		!!	!	!	!	!	!		
MODEL AND SERIAL NUMBER:	PRESSURE	!!	!	!	!	!	!	IN PROGRESS	
SERVICE DESCRIPTION:	RELATIVE HUMIDITY	!!	!	!	!	!	!		
FUNCTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	RADIATION	!!	!	!	!	!	!		
ACCURACY DEMONS.:		!!	!	!	!	!	!		
LOCATION: BUILDING	AGING	!!	!	!	!	!	!		
ELEVATION: FT.		!!	!	!	!	!	!		
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!		
COORDINATES:	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: ! (IF REQUIRED) !						!	!	
ENVIRON'T IS								! REVISION NO. -	
EQUIPMENT EXEMPT FROM QUALIFICATION:			O!					! PREPARER: 07/30/82	
QUALIF STATUS:			T!					! DATE	
			P!					! CHECKER : 07/30/82	
			H!	REFERENCES:				! DATE	
			C!					!	
			R!					! SYSTEM:	
			A!					!	
			S!					! QDEF SHEET NO. - 1630	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:	
COMPONENT:		!!	!	!	!	!	!		
PLANT NUMBER: RD-HV-0200.5AS	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	PRESSURE	!!	!	!	!	!	!		
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!	IN PROGRESS	
SERVICE DESCRIPTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
FUNCTION:	RADIATION	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	AGING	!!	!	!	!	!	!		
ACCURACY DEMONS.:		!!	!	!	!	!	!		
LOCATION: BUILDING		!!	!	!	!	!	!		
ELEVATION: FT.		!!	!	!	!	!	!		
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!		
COORDINATES:	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)						! OTHER EQUIPMENT THIS QDEF APPLIES TO:		!
ENVIRON'T IS									! REVISION NO. -
EQUIPMENT EXEMPT FROM QUALIFICATION:									! PREPARER: 07/30/82
QUALIF STATUS:									! DATE
									! CHECKER: 07/30/82
									! DATE
									! SYSTEM:
									! QDEF SHEET NO. -1631

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	OPERATING TIME	!!	!	!	!	!	!	QUALIFIED LIFE IS:	
COMPONENT:		!!	!	!	!	!	!		
PLANT NUMBER: RD-HV-0200.6BS	TEMPERATURE	!!	!	!	!	!	!	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	PRESSURE	!!	!	!	!	!	!		
MODEL AND SERIAL NUMBER:	RELATIVE HUMIDITY	!!	!	!	!	!	!	IN PROGRESS	
SERVICE DESCRIPTION:	CHEMICAL SPRAY	!!	!	!	!	!	!		
FUNCTION:	RADIATION	!!	!	!	!	!	!		
ACCURACY SPECIFIED:	AGING	!!	!	!	!	!	!		
ACCURACY DEMONS.:		!!	!	!	!	!	!		
LOCATION: BUILDING		!!	!	!	!	!	!		
ELEVATION: FT.		!!	!	!	!	!	!		
FLOOD LEVEL EL: FEET	SUBMERGENCE	!!	!	!	!	!	!		
ABOVE FLOOD LEVEL:		!!	!	!	!	!	!		
COORDINATES:	! INDEX FOR INCONSISTENCY! OTHER EQUIPMENT THIS QDEF APPLIES TO:						!	!	
ENVIRON'T IS	! ANALYSIS IN WORKFILE ! (IF REQUIRED)						!	!	REVISION NO. -
EQUIPMENT EXEMPT FROM QUALIFICATION:	O! T! P! H! C! R! A! S!						!	!	PREPARER: 07/30/82 DATE
QUALIF STATUS:	REFERENCES:						!	!	CHECKER : 07/30/82 DATE
							!	!	SYSTEM:
							!	!	QDEF SHEET NO.-1632

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	50 HR	FSAR TABLE	ROSEMOUNT	TYPE		QUALIFIED LIFE IS:	
COMPONENT: RTD				3.11-2	REP. 1762A P. 6; SEC. 4.3.3-'3.6	TEST			
PLANT NUMBER: TE RC 0112CA (TE 112CA)	TEMPERATURE	269 DEGF	340F-10MIN; 303F-8HR; 228F-50HR	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT	TYPE		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	125#-10MIN; 70#-8HR; 20#-50HR	LOCA/MSLB PROFILE TABLE 2	WYLE REPORT 54602	TEST		1)GENERIC FILE: EQ-CEIC-1	
MODEL AND SERIAL NUMBER: 104-AFC-1	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	ROSEMOUNT	TYPE			
SERVICE DESCRIPTION: LOOP 1A COLD LEG TEMPERATURE				3.11-1	REP. 1762A P. 6; SEC. 4.3.3-'3.6	TEST			
FUNCTION: INPUT TO PLANT PROT'N SYSTEM	CHEMICAL SPRAY	BORON(BORIC ACID)5.0-9.0PH; 1750-2150PPM	1000PPM & NAOH, PH	FSAR TABLE	ROSEMOUNT	TYPE			
ACCURACY SPECIFIED:	RADIATION: GAMMA	33 MRAD	200 MRAD	RADIATION MAP	ROSEMOUNT	TYPE			
ACCURACY DEMONS.:	BETA	327 MRAD	(GAMMA)	ZONE- CC DWG. G-145	REP. 1762A P.3&4; SEC. 4.1- 4.1.1	TEST			
LOCATION: CONT BUILDING ELEVATION: +14.0 FT.	AGING	40 YEARS PLUS	NONE	FSAR PARAGRAPH	NONE	SUPP. ANALY-SIS			
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	NONE	FSAR QUESTION	NONE	N/A			
ABOVE FLOOD LEVEL: YES				211.8					
COORDINATES:	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO.- 0
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								PREPARER: 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:								CHECKER : 07/30/82 DATE
QUALIF STATUS:									SYSTEM: REACTOR COOLANT
									QDEF SHEET NO.-2000

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	50 HR	FSAR TABLE	ROSEMOUNT	TYPE		QUALIFIED LIFE IS:
COMPONENT: RTD				3.11-2	REP. 1762A P. 6 ;SEC. 4.3.3-'3.6	TEST		
PLANT NUMBER: TE RC 0112CB (TE 112CB)	TEMPERATURE	269 DEG	134OF-10MIN! 303F- 8HR! 228F-50HR!	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REP. 1762A P. 6 ;SEC. 4.3.3-'3.6	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	125#-10MIN! 70#- 8HR! 20#-50HR!	LOCA/MSLB PROFILE TABLE 2	WYLE REPORT 54602	TYPE TEST		1)GENERIC FILE: EQ-CEIC-1
MODEL AND SERIAL NUMBER: 104-AFC-1	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	ROSEMOUNT	TYPE		
SERVICE DESCRIPTION: COLD LEG LOOP 1B TEMPERATURE				3.11-1	REP. 1762A P. 6 ;SEC. 4.3.3-'3.6	TEST		
FUNCTION: INPUT TO PLANT PROT'N SYSTEM	CHEMICAL SPRAY	BORON(BORIC ACID)5.0-9.0PH;1750-2150PPM	1BORIC ACID! 1000PPM & NAOH , PH	FSAR TABLE	ROSEMOUNT REP. 1762A P.586;SEC. 4.3-4.3.6	TYPE TEST		
ACCURACY SPECIFIED:	RADIATION: GAMMA	33 MRAD	200 MRAD	RADIATION MAP	ROSEMOUNT REP. 1762A P.384;SEC. 4.1- 4.1.1	TYPE TEST		
ACCURACY DEMONS.:	BETA	327 MRAD	(GAMMA)	ZONE- CC DWG. G-145				
LOCATION: CONT BUILDING ELEVATION: +14.0 FT.	AGING	40 YEARS PLUS	NONE	FSAR PARAGRAPH	NONE	SUPP. ANALYSIS		
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	NONE	FSAR QUESTION	NONE	N/A		
ABOVE FLOOD LEVEL: YES				211.8				
COORDINATES:	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. - 0
ENVIRON'T IS HARSH								PREPARER: 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								CHECKER : 07/30/82 DATE
QUALIF STATUS:				REFERENCES:				SYSTEM: REACTOR COOLANT
								QDEF SHEET NO.-2001

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	50 HR	FSAR TABLE	ROSEMOUNT	REP. 1762A	TYPE TEST	QUALIFIED LIFE IS:
COMPONENT: RTD				3.11-2		P. 6 ;SEC. 4.3.3-'3.6		
PLANT NUMBER: TE RC 0112CC (TE 112CC)	TEMPERATURE	269 DEG	340F-10MIN 303F- 8HR 228F-50HR	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT	REP. 1762A	TYPE TEST	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	125#-10MIN 70#- 8HR 20#-50HR	LOCA/MSLB PROFILE TABLE 2	WYLE REPORT	54602	TYPE TEST	1)GENERIC FILE: EQ-CEIC-1
MODEL AND SERIAL NUMBER: 104-AFC-1	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	ROSEMOUNT	REP. 1762A	TYPE TEST	
SERVICE DESCRIPTION: COLD LEG LOOP 1A TEMPERATURE				3.11-1		P. 6 ;SEC. 4.3.3-'3.6		
FUNCTION: INPUT TO PLANT PROT'N SYSTEM	CHEMICAL SPRAY	BORON(BORIC ACID)5.0-9.0PH;1750-2150PPM	BORIC ACID 1000PPM & NAOH , PH	FSAR TABLE	ROSEMOUNT	REP. 1762A	TYPE TEST	
ACCURACY SPECIFIED:	RADIATION: GAMMA	33 MRAD	200 MRAD	RADIATION MAP	ROSEMOUNT	REP. 1762A	TYPE TEST	
ACCURACY DEMONS.:	BETA	327 MRAD	(GAMMA)	ZONE- CC DWG. G-145		P.384;SEC. 4.1- 4.1.1		
LOCATION: CONT BUILDING ELEVATION: +14.0 FT.	AGING	40 YEARS PLUS	NONE	FSAR PARAGRAPH		NONE	SUPP. ANALYSIS	
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	NONE	FSAR QUESTION		NONE	N/A	
ABOVE FLOOD LEVEL: YES				211.8				
COORDINATES:	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. - 0
EQUIPMENT EXEMPT FROM QUALIFICATION:NO	REFERENCES:							PREPARER: 07/30/82 DATE
QUALIF STATUS:								CHECKER : 07/30/82 DATE
								SYSTEM: REACTOR COOLANT
								QDEF SHEET NO.-2002

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	50 HR	FSAR TABLE	ROSEMOUNT	REP. 1762A	TYPE TEST	QUALIFIED LIFE IS:
COMPONENT: RTD				3.11-2	P. 6 ;SEC. 4.3.3-'3.6			
PLANT NUMBER: TE RC 0112CD (TE 112CD)	TEMPERATURE	269 DEGF	1340F-10MIN; 1303F- 8HR; 1228F-50HR	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT	REP. 1762A	TYPE TEST	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	125#-10MIN; 70#- 8HR; 20#-50HR	LOCA/MSLB PROFILE TABLE 2	WYLE	REPORT 54602	TYPE TEST	1)GENERIC FILE: EQ- TIC-1
MODEL AND SERIAL NUMBER: 104-AFC-1	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	ROSEMOUNT	REP. 1762A	TYPE TEST	
SERVICE DESCRIPTION: COLD LEG LOOP 1B TEMPERATURE				3.11-1	P. 6 ;SEC. 4.3.3-'3.6			
FUNCTION: INPUT TO PLANT PROT'N SYSTEM	CHEMICAL SPRAY	BORON(BORIC ACID)5.0-19.0PH; 1750- 2150PPM	BORIC ACID 1000PPM & NAOH , PH	FSAR TABLE	ROSEMOUNT	REP. 1762A	TYPE TEST	
ACCURACY SPECIFIED:	RADIATION	GAMMA: 33 MRAD	BETA: 200 MRAD	RADIATION MAP	ROSEMOUNT	REP. 1762A	TYPE TEST	
ACCURACY DEMONS.:		327 MRAD	(GAMMA)	DWG. G-145	4.1- 4.1.1			
LOCATION: CONT BUILDING ELEVATION: +14.0 FT.	AGING	40 YEARS PLUS	NONE	FSAR PARAGRAPH	NONE		SUPP. ANALY- SIS	
FLOOD LEVEL EL: +0.5 FEET	SUBMER- GFNCE	NONE	NONE	FSAR QUESTION	NONE		N/A	
ABOVE FLOOD LEVEL: YES				211.8				
COORDINATES:	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.- 0
ENVIRON'T IS HARSH								PREPARER: 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO QUALIF STATUS:								CHECKER : 07/30/82 DATE
				REFERENCES:				SYSTEM: REACTOR COOLANT
								QDEF SHEET NO.-2003

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	50 HR	FSAR TABLE	ROSEMOUNT	TYPE		QUALIFIED LIFE IS:	
COMPONENT: RTD				3.11-2	P. 6 ;SEC. 4.3.3-'3.6	TEST			
PLANT NUMBER: TE RC 0112HB (TE 112HB)	TEMPERATURE	269 DEG F	340F-10MIN! 303F- 8HR! 228F-50HR!	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REP. 1762A P. 6 ;SEC. 4.3.3-'3.6	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	125#-10MIN! 70#- 8HR! 20#-50HR!	LOCA/MSLB PROFILE TABLE 2	WYLE REPORT 54602	TYPE TEST		1)GENERIC FILE: EQ-CEIC-1	
MODEL AND SERIAL NUMBER: 104-AFC-1	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	ROSEMOUNT	TYPE			
SERVICE DESCRIPTION: HOT LEG LOOP 1 TEMPERATURE				3.11-1	P. 6 ;SEC. 4.3.3-'3.6	TEST			
FUNCTION: INPUT TO PLANT PROT'N SYSTEM	CHEMICAL SPRAY	BORON(BORIC ACID)5.0-19.0PH;1750-2150PPM	BORIC ACID 1000PPM & NADH , PH	FSAR TABLE	ROSEMOUNT REP. 1762A P.5&6;SEC. 4.3-4.3.6	TYPE TEST			
ACCURACY SPECIFIED:	RADIATION	GAMMA: 33 MRAD BETA: 327 MRAD	200 MRAD (GAMMA)	RADIATION MAP ZONE- CC DWG. G-145	ROSEMOUNT REP. 1762A P.3&4;SEC. 4.1- 4.1.1	TYPE TEST			
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	NONE	FSAR PARAGRAPH 3.11.1	NONE	SUPP. ANALYSIS			
LOCATION: CONT BUILDING ELEVATION: +14.0 FT.									
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	NONE	FSAR QUESTION 211.8	NONE	N/A			
ABOVE FLOOD LEVEL: YES									
COORDINATES:	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.- 0
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS:	REFERENCES:								PREPARER: 07/30/82 DATE CHECKER : 07/30/82 DATE
									SYSTEM: REACTOR COOLANT QDEF SHEET NO.-2005

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	50 HR	FSAR TABLE	ROSEMOUNT	TYPE		QUALIFIED LIFE IS:	
COMPONENT: RTD				3.11-2	P. 6 ;SEC. 4.3.3-'3.6	TEST			
PLANT NUMBER: TE RC 0112HC (TE 112HC)	TEMPERATURE	269 DEG F	340F-10MIN 303F- 8HR 228F-50HR	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT	TYPE		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	125#-10MIN 70#- 8HR 20#-50HR	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT	TYPE			
MODEL AND SERIAL NUMBER: 104-AFC-1	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	ROSEMOUNT	TYPE		1)GENERIC FILE: EQ-CEIC-1	
SERVICE DESCRIPTION: HOT LEG LOOP 1 TEMPERATURE				3.11-1	P. 6 ;SEC. 4.3.3-'3.6	TEST			
FUNCTION: INPUT TO PLANT PROT'N SYSTEM	CHEMICAL SPRAY	BORON(BORIC ACID)5.0-9.0PH;1750-2150PPM	BORIC ACID 1000PPM & NAOH , PH	FSAR TABLE	ROSEMOUNT	TYPE			
ACCURACY SPECIFIED:	RADIATION: GAMMA	33 MRAD	200 MRAD	RADIATION MAP	ROSEMOUNT	TYPE			
ACCURACY DEMONS.:	BETA	327 MRAD	(GAMMA)	ZONE- CC DWG. G-145	P.384;SEC. 4.1- 4.1.1	TEST			
LOCATION: CONT BUILDING ELEVATION: +14.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	NONE	FSAR PARAGRAPH	NONE	SUPP. ANALYSIS			
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	NONE	FSAR QUESTION	NONE	N/A			
ABOVE FLOOD LEVEL: YES				211.8					
COORDINATES: ENVIRON'T IS HARSH	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO. - 0
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS:	OTHER EQUIPMENT THIS QDEF APPLIES TO:								PREPARER: 07/30/82 DATE
	REFERENCES:								CHECKER : 07/30/82 DATE
									SYSTEM: REACTOR COOLANT
									QDEF SHEET NO.-2006

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	50 HR	FSAR TABLE	ROSEMOUNT	REP. 1762A	TYPE	QUALIFIED LIFE IS:	
COMPONENT: RTD				3.11-2	P. 6 ;SEC. 4.3.3-'3.6	TEST			
PLANT NUMBER: TE RC 0112HD (TE 112HD)	TEMPERATURE	269 DEGF		LOCA/MSLB PROFILF TABLE 2	ROSEMOUNT	REP. 1762A	TYPE	MAINTENANCE / REPLACEMENT SCHD:	
						P. 6 ;SEC. 4.3.3-'3.6	TEST		
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG		LOCA/MSLB PROFILE TABLE 2	WYLE	REPORT	54602	1)GENERIC FILE: EQ-CEIC-1	
MODEL AND SERIAL NUMBER: 104-AFC-1	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	ROSEMOUNT	REP. 1762A	TYPE		
SERVICE DESCRIPTION: HOT LEG LOOP 1 TEMPERATURE				3.11-1	P. 6 ;SEC. 4.3.3-'3.6	TEST			
FUNCTION: INPUT TO PLANT PROT'N SYSTEM	CHEMICAL SPRAY	BORON(BOR. ACID)5.0-19.0PH;1750-2150PPM	BORIC ACID 1000PPM & NAOH , PH	FSAR TABLE	ROSEMOUNT	REP. 1762A	TYPE		
				3.11-1	P.5&6;SEC. 4.3-4.3.6	TEST			
ACCURACY SPECIFIED:	RADIATION	GAMMA: 33 MRAD	BETA: 200 MRAD	RADIATION MAP	ROSEMOUNT	REP. 1762A	TYPE		
			(GAMMA)	ZONE- CC DWG. G-145		P.3&4;SEC. 4.1- 4.1.1	TEST		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS	NONE	FSAR PARAGRAPH	NONE	SUPP. ANALYSIS			
LOCATION: CONT BUILDING		120 DAYS							
ELEVATION: +14.0 FT.		POST DBA		3.11.1					
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	NONE	FSAR QUESTION	NONE	N/A			
ABOVE FLOOD LEVEL: YES				211.8					
COORDINATES:	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO.- 0
ENVIRON'T IS HARSH									PREPARER: 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION:									DATE
QUALIF STATUS:								REFERENCES:	CHECKER : 07/30/82
									DATE
									SYSTEM: REACTOR
									COOLANT
									QDEF SHEET NO.-2007

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	REACTOR COOLANT	! OPERATING!	! ! 120 DAYS !	! 50 HR !	! FSAR TABLE!	! ROSEMOUNT !	! !	! !	! QUALIFIED !
COMPONENT:	RTD	! !	! !	! !	! 3.11-2 !	! P. 6 ;SEC. !	! TEST !	! !	! LIFE IS: !
		! !	! !	! !	! !	! 4.3.3-'3.6 !	! !	! !	! !
PLANT NUMBER:	TE RC 0122CA (TE 12CA)	! TEMPERAT-URE !	! ! 269 DEG !	! ! 134OF-10MIN! !	! ! 303F- 8HR !	! ! 228F-50HR !	! !	! !	! !
		! !	! !	! !	! !	! !	! !	! !	! !
MANUFACTURER:	ROSEMOUNT INCORPORATED	! PRESSURE !	! ! 44 PSIG !	! ! 125#-10MIN! !	! ! 70#- 8HR !	! ! 20#-50HR !	! !	! !	! !
MODEL AND SERIAL NUMBER:	104-AFC-1	! !	! !	! !	! !	! !	! !	! !	! !
SERVICE DESCRIPTION:	COLD LEG LOOP 2A TEMPERATURE	! RELATIVE HUMIDITY !	! ! 100 % !	! 100 % !	! FSAR TABLE!	! ROSEMOUNT !	! !	! !	! !
		! !	! !	! !	! 3.11-1 !	! P. 6 ;SEC. !	! TEST !	! !	! !
		! !	! !	! !	! !	! 4.3.3-'3.6 !	! !	! !	! !
FUNCTION:	INPUT TO PLANT PROT'N SYSTEM	! CHEMICAL SPRAY !	! !BORON(BOR. ACID)5.0-19.0PH;1750- 2150PPM !	! !BORIC ACID! 1000PPM & NAOH , PH !	! FSAR TABLE!	! ROSEMOUNT !	! !	! !	! !
		! !	! !	! !	! 3.11-1 !	! P.5&6;SEC. !	! TEST !	! !	! !
		! !	! !	! !	! !	! 4.3-4.3.6 !	! !	! !	! !
ACCURACY SPECIFIED:		! RADIATION!	! !GAMMA: 33 MRAD !	! !	! RADIATION !	! ROSEMOUNT !	! !	! !	! !
		! !	! !	! !	! MAP !	! REP. 1762A !	! TYPE !	! !	! !
ACCURACY DEMONS.:		! !	! !	! !	! ZONE- CC !	! P.3&4;SEC. !	! TEST !	! !	! !
		! !	! !	! !	! DWG. G-145! !	! 4.1- 4.1.1 !	! !	! !	! !
LOCATION:	CONT BUILDING	! AGING !	! ! 40 YEARS !	! !	! FSAR !	! !	! SUPP. !	! !	! !
ELEVATION:	+14.0 FT.	! !	! ! PLUS !	! NONE !	! PARAGRAPH !	! NONE !	! ANALY- !	! !	! !
		! !	! ! 120 DAYS !	! !	! !	! !	! SIS !	! !	! !
		! !	! ! POST DBA !	! !	! 3.11.1 !	! !	! !	! !	! !
FLOOD LEVEL EL:	+0.5 FEET	! SUBMER- GENCE !	! ! NONE !	! NONE !	! FSAR !	! !	! !	! !	! !
ABOVE FLOOD LEVEL:	YES	! !	! !	! !	! QUESTION !	! NONE !	! N/A !	! !	! !
		! !	! !	! !	! !	! !	! !	! !	! !
		! !	! !	! !	! 211.8 !	! !	! !	! !	! !
COORDINATES:		! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: ! (IF REQUIRED) !							! !
ENVIRON'T IS HARSH									! REVISION NO. - 0 !
EQUIPMENT EXEMPT FROM QUALIFICATION:									! PREPARER: 07/30/82 !
QUALIF STATUS:									! DATE !
									! CHECKER : 07/30/82 !
									! DATE !
									! !
									! SYSTEM: REACTOR !
									! COOLANT !
									! QDEF SHEET NO. -2008 !

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	REACTOR COOLANT	OPERATING TIME	120 DAYS	50 HR	FSAR TABLE	ROSEMOUNT REP. 1762A	TYPE TEST		QUALIFIED LIFE IS:
COMPONENT:	RTD				3.11-2	P. 6 ;SEC. 4.3.3-'3.6			
PLANT NUMBER:	TE RC 0122CB (TE 122CB)	TEMPERATURE	269 DEGF	134C°-10MIN	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REP. 1762A	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	125#-10MIN	LOCA/MSLB PROFILE TABLE 2	WYLE REPORT 54602	TYPE TEST		1)GENERIC FILE: EQ-CEIC-1
MODEL AND SERIAL NUMBER:	104-AFC-1	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	ROSEMOUNT REP. 1762A	TYPE TEST		
SERVICE DESCRIPTION:	COLD LEG LOOP 2B TEMPERATURE				3.11-1	P. 6 ;SEC. 4.3.3-'3.6			
FUNCTION:	INPUT TO PLANT PROT'N SYSTEM	CHEMICAL SPRAY	BORON(BOR. ACID)5.0-9.0PH;1750-2150PPM	BORIC ACID 1000PPM & NAOH , PH	FSAR TABLE	ROSEMOUNT REP. 1762A	TYPE TEST		
ACCURACY SPECIFIED:		RADIATION	GAMMA: 33 MRAD BETA: 327 MRAD	200 MRAD (GAMMA)	RADIATION MAP ZONE- CC DWG. G-145	ROSEMOUNT REP. 1762A	TYPE TEST		
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS POST DBA	NONE	FSAR PARAGRAPH 3.11.1	NONE	SUPP. ANALY- SIS		
LOCATION:	CONT BUILDING								
ELEVATION:	+14.0 FT.								
FLOOD LEVEL EL:	+0.5 FEET	SUBMER- GENCE	NONE	NONE	FSAR QUESTION	NONE	N/A		
ABOVE FLOOD LEVEL:	YES				211.8				
COORDINATES:		INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE! OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS HARSH		(IF REQUIRED)							REVISION NO. - 0
EQUIPMENT EXEMPT FROM QUALIFICATION:		O! T! P! H! C! R! A! S!							PREPARER: 07/30/82 DATE
QUALIF STATUS:		REFERENCES:							CHECKER : 07/30/82 DATE
									SYSTEM: REACTOR COOLANT
									QDEF SHEET NO. -2009

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	50 HR	FSAR TABLE	ROSEMOUNT	REP. 1762A	TYPE TEST	QUALIFIED LIFE IS:
COMPONENT: RTD				3.11-2	P. 6 ;SEC. 4.3.3-'3.6			
PLANT NUMBER: TE RC 0122CC (TE 122CC)	TEMPERATURE	269 DEG	1340F-10MIN; 303F- 8HR; 228F-50HR	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT	REP. 1762A	TYPE TEST	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	125#-10MIN; 70#- 8HR; 20#-50HR	LOCA/MSLB PROFILE TABLE 2	WYLE REPORT 54602		TEST	1)GENERIC FILE: EQ-CEIC-1
MODEL AND SERIAL NUMBER: 104-AFC-1	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	ROSEMOUNT	REP. 1762A	TYPE TEST	
SERVICE DESCRIPTION: COLD LEG LOOP 2A TEMPERATURE				3.11-1	P. 6 ;SEC. 4.3.3-'3.6			
FUNCTION: INPUT TO PLANT PROT'N SYSTEM	CHEMICAL SPRAY	BORON(BOR. ACID)5.0-19.0PH; 1750- 2150PPM	BORIC ACID 1000PPM & NAOH , PH	FSAR TABLE	ROSEMOUNT	REP. 1762A	TYPE TEST	
ACCURACY SPECIFIED:	RADIATION	GAMMA: 33 MRAD; BETA: 327 MRAD	200 MRAD (GAMMA)	RADIATION MAP ZONE- CC DWG. G-145	ROSEMOUNT	REP. 1762A	TYPE TEST	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	NONE	FSAR PARAGRAPH	NONE		SUPP. ANALY- SIS	
LOCATION: CONT BUILDING ELEVATION: +14.0 FT.				3.11.1				
FLOOD LEVEL EL: +0.5 FEET	SUBMER- GENCE	NONE	NONE	FSAR QUESTION	NONE		N/A	
ABOVE FLOOD LEVEL: YES				211.8				
COORDINATES: ENVIRON'T IS HARSH	!INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: ! (IF REQUIRED) !							! REVISION NO. - 0
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS:	O! T! P! H! C! R! A! S!							! PREPARER: 07/30/82 ! DATE ! CHECKER : 07/30/82 ! DATE
	REFERENCES:							! SYSTEM: REACTOR ! COOLANT ! QDEF SHEET NO.-2010

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	REACTOR COOLANT	OPERATING TIME	120 DAYS	50 HR	FSAR TABLE	ROSEMOUNT	TYPE TEST	QUALIFIED LIFE IS:	
COMPONENT:	RTD				3.11-2	P. 6 ;SEC. 4.3.3-'3.6			
PLANT NUMBER:	TE RC 0122CD (TE 122CD)	TEMPERATURE	269 DEGF	340F-10MIN; 303F- 8HR; 228F-50HR	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REP. 1762A P. 6 ;SEC. 4.3.3-'3.6	TYPE TEST	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	125#-10MIN; 70#- 8HR; 20#-50HR	LOCA/MSLB PROFILE TABLE 2	WYLE REPORT 54602	TYPE TEST	1)GENERIC FILE: EQ-CEIC-1	
MODEL AND SERIAL NUMBER:	104-AFC-1	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	ROSEMOUNT REP. 1762A P. 6 ;SEC. 4.3.3-'3.6	TYPE TEST		
SERVICE DESCRIPTION:	COLD LEG LOOP 2B TEMPERATURE				3.11-1	P. 6 ;SEC. 4.3.3-'3.6			
FUNCTION:	INPUT TO PLANT PROT'N SYSTEM	CHEMICAL SPRAY	BORON(BORIC ACID)5.0-9.0PH;1750- 2150PPM	BORIC ACID 1000PPM & NAOH , PH	FSAR TABLE	ROSEMOUNT REP. 1762A P.5&6;SEC. 4.3-4.3.6	TYPE TEST		
ACCURACY SPECIFIED:		RADIATION	GAMMA: 33 MRAD		RADIATION MAP	ROSEMOUNT REP. 1762A P.3&4;SEC. 4.1- 4.1.1	TYPE TEST		
ACCURACY DEMONS.:			BETA: 327 MRAD	200 MRAD (GAMMA)	ZONE- CC DWG. G-145				
LOCATION:	CONT BUILDING	AGING	40 YEARS PLUS	NONE	FSAR PARAGRAPH	NONE	SUPP. ANALY- SIS		
ELEVATION:	+14.0 FT.		120 DAYS POST DBA		3.11.1				
FLOOD LEVEL EL:	+0.5 FEET	SUBMER- GENCE	NONE	NONE	FSAR QUESTION	NONE	N/A		
ABOVE FLOOD LEVEL:	YES				211.8				
COORDINATES:		INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.- 0
EQUIPMENT EXEMPT FROM QUALIFICATION:		REFERENCES:							PREPARER: 07/30/82 DATE
QUALIF STATUS:									CHECKER : 07/30/82 DATE
									SYSTEM: REACTOR COOLANT
									QDEF SHEET NO.-2011

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	50 HR	FSAR TABLE	ROSEMOUNT	REP. 1762A	TYPE TEST	QUALIFIED LIFE IS:
COMPONENT: RTD				3.11-2		P. 6 ;SEC. 4.3.3-'3.6		
PLANT NUMBER: TE RC 0122HA (TE 122HA)	TEMPERATURE	269 DEGF	134OF-10MIN	LOCA/MSLB PROFILE	ROSEMOUNT	REP. 1762A	TYPE TEST	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	125#-10MIN	LOCA/MSLB PROFILE	WYLE	REPORT 54602	TYPE TEST	1)GENERIC FILE: EQ-CEIC-1
MODEL AND SERIAL NUMBER: 104-AFC-1	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	ROSEMOUNT	REP. 1762A	TYPE TEST	
SERVICE DESCRIPTION: COLD LEG LOOP 2B TEMPERATURE				3.11-1		P. 6 ;SEC. 4.3.3-'3.6		
FUNCTION: INPUT TO PLANT PROT'N SYSTEM	CHEMICAL SPRAY	BORON(BORIC ACID)5.0-9.0PH;1750-2150PPM	BORIC ACID 1000PPM & NAOH , PH	FSAR TABLE	ROSEMOUNT	REP. 1762A	TYPE TEST	
ACCURACY SPECIFIED:	RADIATION	GAMMA: 33 MRAD BETA: 327 MRAD	200 MRAD (GAMMA)	RADIATION MAP	ROSEMOUNT	REP. 1762A	TYPE TEST	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS	NONE	FSAR PARAGRAPH	NONE		SUPP. ANALY-SIS	
LOCATION: CONT BUILDING ELEVATION: +14.0 FT.		120 DAYS POST DBA		3.11.1				
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	NONE	FSAR QUESTION	NONE		N/A	
ABOVE FLOOD LEVEL: YES				211.8				
COORDINATES:	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. - 0
ENVIRON'T IS HARSH								PREPARER: 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER : 07/30/82 DATE
QUALIF STATUS:				REFERENCES:				SYSTEM: REACTOR COOLANT
								QDEF SHEET NO.-2012

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	REACTOR COOLANT	OPERATING TIME	120 DAYS	50 HR	FSAR TABLE	ROSEMOUNT	TYPE TEST	QUALIFIED LIFE IS:	
COMPONENT:	RTD				3.11-2	P. 6 ;SEC. 4.3.3-'3.6			
PLANT NUMBER:	TE RC 0122HB (TE 122HB)	TEMPERATURE	269 DEGF	340F-10MIN! 303F- 8HR 228F-50HR	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REP. 1762A P. 6 ;SEC. 4.3.3-'3.6	TYPE TEST	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	125#-10MIN! 70#- 8HR 20#-50HR	LOCA/MSLB PROFILE TABLE 2	WYLE REPORT 54602	TYPE TEST	1)GENERIC FILE: EQ-CEIC-1	
MODEL AND SERIAL NUMBER:	104-AFC-1	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	ROSEMOUNT REP. 1762A P. 6 ;SEC. 4.3.3-'3.6	TYPE TEST		
SERVICE DESCRIPTION:					3.11-1	P. 6 ;SEC. 4.3.3-'3.6			
FUNCTION:	INPUT TO PLANT PROT'N SYSTEM	CHEMICAL SPRAY	BORON(BOR. ACID)5.0-19.0PH;1750- 2150PPM	BORIC ACID! 1000PPM & NAOH , PH	FSAR TABLE	ROSEMOUNT REP. 1762A P.5&6;SEC. 4.3-4.3.6	TYPE TEST		
ACCURACY SPECIFIED:		RADIATION	GAMMA: 33 MRAD BETA: 327 MRAD	200 MRAD (GAMMA)	RADIATION MAP ZONE- CC DWG. G-145	ROSEMOUNT REP. 1762A P.3&4;SEC. 4.1- 4.1.1	TYPE TEST		
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS POST DBA	NONE	FSAR PARAGRAPH	NONE	SUPP. ANALY- SIS		
LOCATION:	CONT BUILDING								
ELEVATION:	+14.0 FT.				3.11.1				
FLOOD LEVEL EL:	+0.5 FEET	SUBMER- GENCE	NONE	NONE	FSAR QUESTION	NONE	N/A		
ABOVE FLOOD LEVEL:	YES				211.8				
COORDINATES:		INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. - 0
EQUIPMENT EXEMPT FROM QUALIFICATION:		REFERENCES:							PREPARER: 07/30/82 DATE
QUALIF STATUS:									CHECKER : 07/30/82 DATE
									SYSTEM: REACTOR COOLANT
									QDEF SHEET NO.-2013

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	REACTOR COOLANT	OPERATING TIME	120 DAYS	50 HR	FSAR TABLE	ROSEMOUNT	TYPE	QUALIFIED LIFE IS:	
COMPONENT:	RTD				3.11-2	REP. 1762A P. 6 ;SEC. 4.3.3-'3.6	TEST		
PLANT NUMBER:	TE RC 0122HC (TE 122HC)	TEMPERATURE	269 DEGF	340F-10MIN 303F- 8HR 228F-50HR	LOCA/MSLB PROFILE TABLE 2	ROSEMOUNT REP. 1762A P. 6 ;SEC. 4.3.3-'3.6	TYPE TEST	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	125#-10MIN 70#- 8HR 20#-50HR	LOCA/MSLB PROFILE TABLE 2	WYLE REPORT 54602	TYPE TEST	1)GENERIC FILE: EQ-CEIC-1	
MODEL AND SERIAL NUMBER:	104-AFC-1	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	ROSEMOUNT REP. 1762A P. 6 ;SEC. 4.3.3-'3.6	TYPE TEST		
SERVICE DESCRIPTION:	LOOP 2 HOT LEG TEMP				3.11-1	P. 6 ;SEC. 4.3.3-'3.6	TEST		
FUNCTION:	INPUT TO PLANT PROT'N SYSTEM	CHEMICAL SPRAY	BORON(BORIC ACID)5.0-19.0PH;1750- 2150PPM	BORIC ACID 1000PPM & NAOH , PH	FSAR TABLE 3.11-1	ROSEMOUNT REP. 1762A P.5&6;SEC. 4.3-4.3.6	TYPE TEST		
ACCURACY SPECIFIED:		RADIATION	GAMMA: 33 MRAD BETA: 327 MRAD	200 MRAD (GAMMA)	RADIATION MAP ZONE- CC DWG. G-145	ROSEMOUNT REP. 1762A P.3&4;SEC. 4.1- 4.1.1	TYPE TEST		
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS POST DBA	NONE	FSAR PARAGRAPH 3.11.1	NONE	SUPP. ANALY- SIS		
LOCATION:	CONT BUILDING								
ELEVATION:	+14.0 FT.								
FLOOD LEVEL EL:	+0.5 FEET	SUBMER- GENCE	NONE	NONE	FSAR QUESTION 211.8	NONE	N/A		
ABOVE FLOOD LEVEL:	YES								
COORDINATES:		INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS HARSH								REVISION NO. - 0	
EQUIPMENT EXEMPT FROM QUALIFICATION:								PREPARER: 07/30/82 DATE	
QUALIF STATUS:					REFERENCES:			CHECKER : 07/30/82 DATE	
								SYSTEM:REACTOR COOLANT	
								QDEF SHEET NO.-2014	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	50 HR	FSAR TABLE	ROSEMOUNT	REP. 1762A	N/A	QUALIFIED LIFE IS:
COMPONENT: RTD				3.11-2	P. 6 ;SEC. 4.3.3-'3.6	TEST		
PLANT NUMBER: TE SI 0303X (TE 303X)	TEMPERATURE	104 DEGF	340F-10MIN 303F- 8HR 228F-50HR	TEMPERATURE MAP G-137	ROSEMOUNT	REP. 1762A P. 6 ;SEC. 4.3.3-'3.6	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT	PRESSURE	1 ATMOS	125#-10MIN 70#- 8HR 20#-50HR	FSAR TABLE	ROSEMOUNT	REP. 1762A F.6 SEC 4.3.3/6	N/A	1)GENERIC FILE: EQ-CEIC-10
MODEL AND SERIAL NUMBER: 104-1619-6	RELATIVE HUMIDITY	20 %	100 %	FSAR TABLE	ROSEMOUNT	REP.NO. 1762A;F.6. 4.3.3-'3/6		
SERVICE DESCRIPTION: SDC HX OUTLET LP HEADER	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	TEST	N/A	
FUNCTION: SDC HX OUTLET LP HEADER, PAM								
ACCURACY SPECIFIED:	RADIATION	16.7 MRAD	200 MRAD	RADIATION ZONE T G-137	ROSEMOUNT	REP. 1762A P.384 SEC 4.3 3/6		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA	NONE	FSAR PARAGRAPH	NONE	SUPP. ANALY-SIS	YES	
LOCATION: AUX BUILDING ELEVATION: -35 FT.				3.11.1				
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	NONE	FSAR QUESTION	NONE	N/A	N/A	
ABOVE FLOOD LEVEL: N/A				2.11.2				
COORDINATES:	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER : 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED				REFERENCES:				SYSTEM: REACTOR COOLANT
								QDEF SHEET NO.-2048

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	50 HR	FSAR TABLE	ROSEMOUNT	REP. 1762A	N/A	QUALIFIED LIFE IS:
COMPONENT: RTD				3.11-2		P. 6 ;SEC. 4.3.3-'3.6		
PLANT NUMBER: TE SI 0303Y (TE 303Y)	TEMPERATURE	104 DEGF	340F-10MIN	TEMPERATURE	ROSEMOUNT	REP. 1762A	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT	PRESSURE	1 ATMOS	125#-10MIN	FSAR TABLE	ROSEMOUNT	REP. 1762A		1)GENERIC FILE: EQ-CEIC-10
MODEL AND SERIAL NUMBER: 104-1619-6	RELATIVE HUMIDITY	20 %	70#- 8HR	3.11-1		F.6 SEC 4.3.3/6		
SERVICE DESCRIPTION: SDC HX OUTLET LP HEADER	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	1762A;F.6. 4.3.3-'3/6		
FUNCTION: SDC HX OUTLET LP HEADER, PAM								
ACCURACY SPECIFIED:	RADIATION	6.7 MRAD	200 MRAD	RADIATION ZONE T	ROSEMOUNT	REP. 1762A		
ACCURACY DEMONS.:				G-137		P.384 SEC 4.3 3/6		
LOCATION: AUX BUILDING ELEVATION: -35 FT.	AGING	40 YEARS PLUS 120 DAYS PGST DBA	NONE	FSAR PARAGRAPH	NONE		SUPP. ANALY-SIS	YES
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	NONE	NONE	FSAR QUESTION	NONE		N/A	
COORDINATES: ENVIRON'T IS HARSH	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:			REVISION NO. - 0	
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: UNQUALIFIED	O! T! P! H! C! R! A! S!			REFERENCES:			PREPARER: 07/30/82 DATE CHECKER : 07/30/82 DATE	
							SYSTEM: REACTOR COOLANT QDEF SHEET NO. -2049	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	50 HR	FSAR TABLE	ROSEMOUNT	REP. 1762A	N/A	QUALIFIED LIFE IS:
COMPONENT: RTD				3.11-2	4.3.3-'3.6	P. 6 ;SEC. TEST		
PLANT NUMBER: TF SI 0351X (1 351X)	TEMPERATURE	104 DEGF	1340F-10MIN 303F- 8HR 228F-50HR	TEMPERATURE MAP G-137	ROSEMOUNT	REP. 1762A P. 6 ;SEC. TEST 4.3.3-'3.6	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: RO MOUNT	PRESSURE	1 ATMOS	125#-10MIN 70#- 8HR 20#-50HR	FSAR TABLE	ROSEMOUNT	REP. 1762A F.6 SEC 4.3.3/6	N/A	1)GENERIC FILE: EQ-CEIC-10
MODEL AND SERIAL NUMBER: 104 1619-6	RELATIVE HUMIDITY	20 %	100 %	FSAR TABLE	ROSEMOUNT	REP. NO. 1762A;F.6		
SERVICE DESCRIPTION: SDC HX OUTLET LP HEADER	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	1762A;F.6 TEST 4.3.3-'3/6	N/A	
FUNCTION: SDC HX OUTLET LP HEADER, PAM								
ACCURACY SPECIFIED:	RADIATION	6.7 MRAD	200 MRAD	RADIATION	ROSEMOUNT	REP. 1762A P.3&4 SEC 4.3 3/6		
ACCURACY DEMONS.:				G-137				
LOCATION: AUX BUILDING ELEVATION: -35 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	NONE	FSAR PARAGRAPH	NONE	SUPP. ANALY-SIS	YES	
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	NONE	FSAR QUESTION	NONE	N/A	N/A	
ABOVE FLOOD LEVEL: N/A				211.8				
COORDINATES: ENVIRON'T IS HARSH	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:			REVISION NO. - 0	
EQUIPMENT EXEMPT FROM QUALIFICATION: UNQUALIFIED								PREPARER: 07/30/82 DATE CHECKER : 07/30/82 DATE
				REFERENCES:				SYSTEM: REACTOR COOLANT QDEF SHEET NO. -2050

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	REACTOR COOLANT	OPERATING TIME	120 DAYS	50 HR	FSAR TABLE	ROSEMOUNT		N/A	QUALIFIED LIFE IS:
COMPONENT:	RTD				3.11-2	P. 6 ;SEC. 4.3.3-'3.6	TYPE TEST		
PLANT NUMBER:	TE SI 0351Y (TE 351Y)	TEMPERATURE	104 DEGF	1340F-10MIN! 1303F- 8HR! 1228F-50HR	TEMPERATURE MAP G-137	ROSEMOUNT REP. 1762A P. 6 ;SEC. 4.3.3-'3.6	TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	ROSEMOUNT	PRESSURE	1 ATMOS	125#-10MIN! 70#- 8HR! 20#-50HR	FSAR TABLE	ROSEMOUNT REP. 1762A F.6 SEC 4.3.3/6	TYPE TEST	N/A	1)GENERIC FILE: EQ-CEIC-10
MODEL AND SERIAL NUMBER:	104-1619-6	RELATIVE HUMIDITY	20 %	100 %	FSAR TABLE	ROSEMOUNT REP.NO. 1762A;F.6 4.3.3-'3/6	TYPE TEST		
SERVICE DESCRIPTION:	SDC HX OUTLET LP HEADER	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	TYPE TEST	N/A	
FUNCTION:	SDC HX OUTLET LP HEADER, PAM								
ACCURACY SPECIFIED:		RADIATION	6.7 MRAD	200 MRAD	RADIATION ZONE T G-137	ROSEMOUNT REP. 1762A P.3&4 SEC 4.3 3/6	TYPE TEST		
ACCURACY DEMONS.:		AGING	40 YEARS PLUS 120 DAYS POST DBA	NONE	FSAR PARAGRAPH 3.11.1	NONE	SUPP. ANALY- SIS	YES	
LOCATION:	AUX BUILDING								
ELEVATION:	-35 FT.								
FLOOD LEVEL EL:	N/A FEET	SUBMER- GENCE	NONE	NONE	FSAR QUESTION	NONE	N/A	N/A	
ABOVE FLOOD LEVEL:	N/A				211.8				
COORDINATES:		INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:							
EQUIPMENT EXEMPT FROM QUALIFICATION:		REFERENCES:							
QUALIF STATUS: UNQUALIFIED									
									REVISION NO. - 0
									PREPARER: 07/30/82 DATE
									CHECKER : 07/30/82 DATE
									SYSTEM: REACTOR COOLANT
									QDEF SHEET NO.-2051

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	50 HR	FSAR TABLE	ROSEMOUNT	REP. 1762A	N/A	QUALIFIED LIFE IS:	
COMPONENT: RTD				3.11-2		P. 6 ;SEC. 4.3.3-'3.6			
PLANT NUMBER: TE SI 0352X (TE 352X)	TEMPERATURE	104 DEGF		1340F-10MIN	TEMPERATURE	ROSEMOUNT	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ROSEMOUNT	PRESSURE	1 ATMOS		125#-10MIN	FSAR TABLE	ROSEMOUNT	N/A		
MODEL AND SERIAL NUMBER: 104-1619-6				70#- 8HR		REP. 1762A		1)GENERIC FILE: EQ-CEIC-10	
SERVICE DESCRIPTION: SDC HX OUTLET LP HEADER	RELATIVE HUMIDITY	20 %	100 %	20#-50HR	3.11-1	F.6 SEC 4.3.3/6			
FUNCTION: SDC HX OUTLET LP HEADER, PAM	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	TYPE TEST	N/A		
ACCURACY SPECIFIED:	RADIATION	6.7 MRAD	1200 MRAD	RADIATION	ROSEMOUNT	REP. 1762A			
ACCURACY DEMONS.:				ZONE T		P.3&4 SEC 4.3 3/6			
LOCATION: AUX BUILDING ELEVATION: -35 FT.	AGING	40 YEARS PLUS	NONE	FSAR PARAGRAPH	NONE	SUPP. ANALY-SIS	YES		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	NONE	NONE	FSAR QUESTION	NONE	N/A	N/A		
COORDINATES:	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO. - 0
ENVIRON'T IS HARSH								REFERENCES:	PREPARER: 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKFR : 07/30/82 DATE	
QUALIF STATUS: UNQUALIFIED									SYSTEM REACTOR COOLANT
									QDEF SHEET NO.-2052

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	50 HR	FSAR TABLE	ROSEMOUNT	REP. 1762A	N/A	QUALIFIED LIFE IS:
COMPONENT: RTD				3.11-2		P. 6 ;SEC. 4.3.3-'3.6	TEST	
PLANT NUMBER: TE SI 0352Y (TE 352Y)	TEMPERATURE	104 DEGF	1340F-10MIN	TEMPERATURE	ROSEMOUNT	REP. 1762A	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT	PRESSURE	1 ATMOS	125#-10MIN	FSAR TABLE	ROSEMOUNT	REP. 1762A	TEST	
MODEL AND SERIAL NUMBER: 104-1619-6			70#- 8HR	3.11-1		F.6 SEC 4.3.3/6		1)GENERIC FILE: EQ-CEIC-10
SERVICE DESCRIPTION: SDC HX OUTLET LP HEADER	RELATIVE HUMIDITY	20 %	100 %	FSAR TABLE	ROSEMOUNT	REP.NO. 1762A;F.6.	TEST	
FUNCTION: SDC HX OUTLET LP HEADER, PAM	CHEMICAL SPRAY	NONE	N/A	N/A	N/A		TEST	
ACCURACY SPECIFIED:	RADIATION	6.7 MRAD	200 MPAD	RADIATION	ROSEMOUNT	REP. 1762A	TEST	
ACCURACY DEMONS.:				G-137		P.3&4 SEC 4.3 3/6		
LOCATION: AUX BUILDING ELEVATION: -35 FT.	AGING	40 YEARS PLUS	NONE	FSAR PARAGRAPH	NONE		SUPP. ANALY-SIS	YES
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	NONE	FSAR QUESTION	NONE		N/A	
ABOVE FLOOD LEVEL: N/A				211.8				
COORDINATES:	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. - 0
ENVIRON'T IS HARSH								PREPARER: 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER : 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED				REFERENCES:				SYSTEM: REACTOR COOLANT
								QDEF SHEET NO. -2053

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	50 HR	FSAR TABLE	ROSEMOUNT	REP. 1762A	TYPE	QUALIFIED LIFE IS:	
COMPONENT: RTD				3.11-2	P. 6 ;SEC. 4.3.3-'3.6	TEST			
PLANT NUMBER: TE RC 0115 (TE 115)	TEMPERATURE	269 DEGF	340F-10MIN	LOCA/MSLB PROFILE	ROSEMOUNT	REP. 1762A	TYPE	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	125#-10MIN	LOCA/MSLB PROFILE	WYLE	REPORT	TYPE	1)GENERIC FILE: EQ-CEIC-20	
MODEL AND SERIAL NUMBER: 104-AFV-1	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	ROSEMOUNT	REP. 1762A	TYPE		
SERVICE DESCRIPTION: PC LOOP TEMPER.				3.11-1	P. 6 ;SEC. 4.3.3-'3.6	TEST			
FUNCTION: MONITOR RC LOOP TEMP	CHEMICAL SPRAY	BORON(BORIC ACID)5.0-19.0PH;1750-2150PPM	BORIC ACID 1000PPM & NAOH , PH	FSAR TABLE	ROSEMOUNT	REP. 1762A	TYPE		
ACCURACY SPECIFIED:	RADIATION	GAMMA: 33 MRAD	BETA: 200 MRAD	RADIATION MAP	ROSEMOUNT	REP. 1762A	TYPE		
ACCURACY DEMONS.:		327 MRAD	(GAMMA)	ZONE- CC DWG. G-145	P.384;SEC. 4.1- 4.1.1	TEST			
LOCATION: CONT BUILDING ELEVATION: +14.0 FT.	AGING	40 YEARS PLUS	NONE	FSAR PARAGRAPH	NONE	SUPP. ANALYSIS			
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	NONE	FSAR QUESTION	NONE	N/A			
ABOVE FLOOD LEVEL: YES				211.8					
COORDINATES:	!INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. - 0
EQUIPMENT EXEMPT FROM QUALIFICATION:	REFERENCES:								PREPARER: 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED									CHECKER : 07/30/82 DATE
									SYSTEM: REACTOR COOLANT
									QDEF SHEET NO.-2054

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: REACTOR COOLANT	OPERATING TIME	120 DAYS	50 HR	FSAR TABLE	ROSEMOUNT	REP. 1762A	TYPE	QUALIFIED LIFE IS:
COMPONENT: RTD				3.11-2	P. 6 ;SEC.	4.3.3-'3.6	TEST	
PLANT NUMBER: TE RC 0125 (TE 125)	TEMPERATURE	269 DEG F	1340F-10MIN	LOCA/MSLB PROFILE	ROSEMOUNT	REP. 1762A	TYPE	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ROSEMOUNT INCORPORATED	PRESSURE	44 PSIG	125#-10MIN	LOCA/MSLB PROFILE	WYLE	REPORT	TYPE	
MODEL AND SERIAL NUMBER: 104-AFV-1			70#- 8HR	TABLE 2	54602		TEST	
SERVICE DESCRIPTION: PC LOOP TEMPER.	RELATIVE HUMIDITY	100 %	100 %	FSAR TABLE	ROSEMOUNT	REP. 1762A	TYPE	
				3.11-1	P. 6 ;SEC.	4.3.3-'3.6	TEST	
FUNCTION: MONITOR RC LOOP TEMP	CHEMICAL SPRAY	BORON(BORIC ACID)5.0-9.0PH;1750-2150PPM	BORIC ACID 1000PPM & NAOH , PH	FSAR TABLE	ROSEMOUNT	REP. 1762A	TYPE	
				3.11-1	P.5&6;SEC.	4.3-4.3.6	TEST	
ACCURACY SPECIFIED:	RADIATION	GAMMA: 33 MRAD		RADIATION	ROSEMOUNT	REP. 1762A	TYPE	
		BETA: 327 MRAD	200 MRAD (GAMMA)	ZONE- CC DWG. G-145	P.3&4;SEC.	4.1- 4.1.1	TEST	
ACCURACY DEMONS.:	AGING	40 YEARS PLUS	NONE	FSAR PARAGRAPH	NONE		SUPP. ANALY-SIS	
LOCATION: CONT BUILDING ELEVATION: +14.0 FT.		120 DAYS POST DBA		3.11.1				
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	NONE	FSAR QUESTION	NONE		N/A	
ABOVE FLOOD LEVEL: YES				211.8				
COORDINATES:	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.- 0
ENVIRON'T IS HARSH								PREPARER: 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER : 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED				REFERENCES:				SYSTEM: REACTOR COOLANT
								QDEF SHEET NO.-2055

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:								
COMPONENT: NUCLEAR INST. DET'CTR & CABLE	OPERATING TIME	2 MIN.	96 HR.		GEN ATOMIC TEST REPT GAE 115.49 6 SECT.2.0	SEQUEN TIAL TESTIN G		QUALIFIED LIFE IS:
PLANT NUMBER: NONE	TEMPERATURE	291 DEGF	310 DEG F 10-10 HR. 250 DEG F 10-96 HRS		GEN ATOMIC TEST REPT GAE 115.49 6 SECT.2.0	SEQUEN TIAL TESTIN G		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: GENERAL ATOMIC-REUTER STOKES	PRESSURE	44 PSIG	65 PSIG 0-96 HRS		GEN ATOMIC TEST REPT GAE 115.49 6 SECT.2.0	SEQUEN TIAL TESTIN G		1) GENERIC FILE: EQ-CEIC-14
MODEL AND SERIAL NUMBER: ELE-304-5000	RELATIVE HUMIDITY	100 %	0 %	NOT APPLICABLE				
SERVICE DESCRIPTION: NEUTRON FLUX DETECTION	CHEMICAL SPRAY	BORON(BOR. ACID)5.0-9.0PH; 1750-2150PPM		NOT APPLICABLE				
ACCURACY SPECIFIED:	RADIATION	GAMMA:						
ACCURACY DEMONS.:	BETA:							
LOCATION: CONT BUILDING ELEVATION: +14.0 FT.	AGING	40 YEARS PLUS 2 MIN. POST DBA	NONE	PARAGRAPH 3.11.1	NONE	ANALYSIS		
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	NONE	FSAR QUESTION 211.8	NONE	N/A		
ABOVE FLOOD LEVEL: YES								
COORDINATES:	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH								REVISION NO.- 0
EQUIPMENT EXEMPT FROM QUALIFICATION:NO								PREPARER: 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED					REFERENCES:			CHECKER : 07/30/82 DATE
								SYSTEM:
								QDEF SHEET NO.-2056

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: REACTOR PROTECTION	OPERATING TIME	2 MIN.	10 HRS		GA TEST REPORT-GAE 115.578 ATP-156.PB	SEQUEN TIAL TEST		QUALIFIED LIFE IS:
COMPONENT: NUCLEAR INST. PRE AMP/FILTER								
PLANT NUMBER: NONE	TEMPERATURE	269 DEGF	SEE NOTE 1	LOCA/MSLB PROFILE TABLE 2	GA TEST REPORT-GAE 115.578 ATP-156.PB	SEQUEN TIAL TEST		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: GENERAL ATOMIC/ REUTER STOKES	PRESSURE	44 PSIG	1 ATMOS.	LOCA/MSLB PROFILE TABLE 2	GA TEST REPORT-GAE 115.578 ATP-156.PB	SEQUEN TIAL TEST		
MODEL AND SERIAL NUMBER: PA-SQ1	RELATIVE HUMIDITY	100%	SEE NOTE 1	FSAR TABLE 3-11-1	GA TEST REPORT-GAE 115.578 ATP-156.PB	SEQUEN TIAL TEST		GENERIC FILE: EQ-CEIC-1)
SERVICE DESCRIPTION: NEUTRON FLUX MEASUREMENT								0-1 HR: 50F/50%RH 1-2 HR: 58F/50%RH 2-3 HR: 86F/50%RH 3-4 HR: 113F/50%RH 4-8 HR: 135F/50%RH 8-9 HR: 135F/90%RH 9-10HR: 150F/95%RH
FUNCTION: INPUT TO RPS CPC	CHEMICAL SPRAY	NONE	NOT APPLICABLE	FSAR TABLE 3-11-1	NOT APPLICABLE			
ACCURACY SPECIFIED:	RADIATION		NOT APPLICABLE	RADIATION MAPS ZONE-DWG.G-	NOT APPLICABLE			
ACCURACY DEMONS.:								
LOCATION: CONT BUILDING ELEVATION: FT.	AGING	40 YEARS	NOT APPLICABLE	FSAR PARAGRAPH 3-11-1	NONE			
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL:	SUBMERGENCE		NONE		NONE			
COORDINATES:	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:			REVISION NO.- 0	
ENVIRON'T IS HARSH								PREPARER: 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:NO QUALIF STATUS: UNQUALIFIED				REFERENCES: FOR REFERENCE ABOVE SEE GENERIC FILE:				CHECKER : 07/30/82 DATE
								SYSTEM: REACTOR PROTECTION QDEF SHEET NO.-2057

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	REACTOR PROTECTION	OPERATING TIME	2 MIN.	SEE ANALYSIS		NONE	ANALYSIS		QUALIFIED LIFE IS:	
COMPONENT:	EXCORE SYSTEM CABLE									
PLANT NUMBER:	NONE	TEMPERATURE	269 DEGF	SEE ANALYSIS	LOCA/MSLB PROFILE TABLE 2	NONE	ANALYSIS		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	ITT	PRESSURE	44 PSIG	SEE ANALYSIS	LOCA/MSLB PROFILE TABLE 2	NONE	ANALYSIS		1) GENERIC FILE: EQ-CEIC-	
MODEL AND SERIAL NUMBER:	NOT APPLICABLE	RELATIVE HUMIDITY	100 %	SEE ANALYSIS	FSAR TABLE 3-11-1	NONE	ANALYSIS			
SERVICE DESCRIPTION:	EXCORE SYSTEM CABLE	CHEMICAL SPRAY	NONE	SEE ANALYSIS	FSAR TABLE 3-11-1	NONE	ANALYSIS			
FUNCTION:	INPUT TO RPS	RADIATION		SEE ANALYSIS	RADIATION MAPS ZONE-DWG.G-		ANALYSIS			
ACCURACY SPECIFIED:	NOT APPLICABLE	AGING	40 YEARS	SEE ANALYSIS	FSAR PARAGRAPH 3.11.1		ANALYSIS			
ACCURACY DEMONS.:	NOT APPLICABLE	SUBMERGENCE		SEE ANALYSIS						
LOCATION:	CONT BUILDING									
ELEVATION:	+14.0 FT.									
FLOOD LEVEL EL:	+0.5 FEET									
ABOVE FLOOD LEVEL:	YES									
COORDINATES:		INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. - 0
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARER: 07/30/82 DATE	
QUALIF STATUS:					REFERENCES:				CHECKER : 07/30/82 DATE	
									SYSTEM: REACTOR PROTECTION	
									QDEF SHEET NO.-2058	

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	SAFETY INJECTION	OPERATING TIME	120 DAYS	!!	FSAR TABLE	3.11-2	TYPE TEST	N/A	QUALIFIED LIFE IS:	
COMPONENT:	PRESSURE SWITCH			!!						
PLANT NUMBER:	PS SI 3148AS	TEMPERATURE	104 DEGF	!!	TEMPERATURE MAP	G-145	TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	MERCID	PRESSURE	1 ATMOS.	!!	FSAR TABLE	3.11-1	TYPE TEST	N/A		
MODEL AND SERIAL NUMBER:	DAW-7023-804B	RELATIVE HUMIDITY	20% - 90%	!!	FSAR TABLE	3.11-1	TYPE TEST	N/A		
SERVICE DESCRIPTION:	SIS SUMP ISOL VA	CHEMICAL SPRAY	NONE	!!	N/A		TYPE TEST	N/A		
FUNCTION:	2SI-L101A AIR ACC.	RADIATION	GAMMA: 64000 MRAD BETA: 1.1 MRAD	!!	RADIATION ZONE FF	G-145	TYPE TEST	N/A		
ACCURACY SPECIFIED:	FAIL AS IS ON LOW AIR PRESS.	AGING	40 YEARS PLUS	!!	FSAR PARAGRAPH		TYPE TEST	N/A		
ACCURACY DEMONS.:		ELEVATION:	-14.0 FT.	!!	3.11.1					
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	NONE	!!	FSAR QUESTION	2.11.8				
ABOVE FLOOD LEVEL:	N/A			!!						
COORDINATES:	L-LY; 6A-7A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRONMENT IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. - 1
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		REFERENCES:								PREPARER: T.F 07/30/82 DATE
QUALIF STATUS: NOT QUALIFIED, REPLACEMENT PURCHASED										CHECKER: T.F 07/30/82 DATE
										SYSTEM: SAFETY INJECTION
										QDEF SHEET NO.-2062

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	!	FSAR TABLE	!	TYPE TEST	N/A	QUALIFIED LIFE IS:
COMPONENT: PRESSURE SWITCH			!	3.11-2	!	!	!	
PLANT NUMBER: PS SI 3148BS	TEMPERATURE	104 DEGF	!	TEMPERATURE MAP	!	TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: MERCOID	PRESSURE	1 ATMOS.	!	FSAR TABLE	!	TYPE TEST	N/A	
MODEL AND SERIAL NUMBER: DAW-70238-04B			!	3.11-1	!	!	!	
SERVICE DESCRIPTION: SIS SUMP ISOL VA	RELATIVE HUMIDITY	20% - 90%	!	FSAR TABLE	!	TYPE TEST	N/A	
FUNCTION: 2S-L102B AIR ACC.	CHEMICAL SPRAY	NONE	!	N/A	!	TYPE TEST	N/A	
ACCURACY SPECIFIED: FAIL AS IS ON LOW AIR PRESS.	RADIATION	GAMMA 64000 MRAD	!	RADIATION ZONE FF	!	TYPE TEST	N/A	
ACCURACY DEMONS.:		BETA= 1.1 MRAD	!	G-145	!	!	!	
LOCATION: AUX BUILDING	AGING	40 YEARS PLUS	N/A	FSAR PARAGRAPH	!	TYPE TEST	N/A	
ELEVATION: -14.0 FT.		120 DAYS POST DBA	!	3.11.1	!	!	!	
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	N/A	FSAR QUESTION	N/A	N/A	N/A	
ABOVE FLOOD LEVEL: N/A			!	2.11.8	!	!	!	
COORDINATES: L-LY: 7A-8A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. - 0
ENVIRON'T IS HARSH			!					PREPARER: T.F 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION: NO			O!					DATE
QUALIF STATUS: NOT QUALIFIED, REPLACEMENT PURCHASED			T!	REFERENCES:				CHECKER : T/C 07/30/82
			P!					DATE
			H!					SYSTEM: SAFETY
			C!					INJECTION
			R!					QDEF SHEET NO. -2063
			A!					
			S!					

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	!	FSAR TABLE	!	TYPE TEST	N/A	QUALIFIED LIFE IS:
COMPONENT: PRESSURE SWITCH			!	3.11-2	!	!	!	
PLANT NUMBER: PS SI 3149A	TEMPERATURE	104 DEGF	!	TEMPERATURE MAP	!	TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: MERCOID	PRESSURE	1 ATMOS.	!	FSAR TABLE	!	TYPE TEST	N/A	
MODEL AND SERIAL NUMBER: DAW-70238-04B			!	3.11-1	!	!	!	
SERVICE DESCRIPTION: REF. WTR STG PL OUTL HDR A ISO.	RELATIVE HUMIDITY	20% - 90%	!	FSAR TABLE	!	TYPE TEST	N/A	
FUNCTION: ALARM	CHEMICAL SPRAY	NONE	!	N/A	!	TYPE TEST	N/A	
ACCURACY SPECIFIED:	RADIATION	GAMMA 64000 MRAD	!	RADIATION ZONE FF	!	TYPE TEST	N/A	
ACCURACY DEMONS.:		BETA= 1.1 MRAD	!	G-145	!	!	!	
LOCATION: AUX BUILDING ELEVATION: -10' FT.	AGING	40 YEARS PLUS 120 DAYS	N/A	FSAR PARAGRAPH	!	TYPE TEST	N/A	
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	N/A	FSAR QUESTION	N/A	N/A	N/A	
ABOVE FLOOD LEVEL: N/A			!	2.11.8	!	!	!	
COORDINATES: J-K; 8A-9A	INDEX FOR INCONSISTENCY!			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRONMENT IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							REVISION NO. - 0
EQUIPMENT EXEMPT FROM QUALIFICATION. NO QUALIF STATUS:				REFERENCES:				PREPARER: T.F 07/30/82 DATE
NOT QUALIFIED, REPLACEMENT PURCHASED								CHECKER : T/C 07/30/82 DATE
								SYSTEM: SAFETY INJECTION
								QDEF SHEET NO. -2064

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS		FSAR TABLE 3-11-2				QUALIFIED LIFE IS:
COMPONENT: PRESSURE SWITCH								
PLANT NUMBER: PS SI 3149B	TEMPERATURE	148 DEGF POST DBA		TEMPERATURE MAP G-145				MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: MERCID	PRESSURE	1 ATMOS.		FSAR TABLE 3-11-1				
MODEL AND SERIAL NUMBER: DAW-7023-04B	RELATIVE HUMIDITY	20% - 90%		FSAR TABLE 3-11-1				
SERVICE DESCRIPTION: REF. WTR STR PL OUTL HDR B ISO.	CHEMICAL SPRAY	NONE		N/A				
FUNCTION: INPUT INTERIOR								
ACCURACY SPECIFIED:	RADIATION	GAMMA 64000 MRAD BETA= 1.1 MRAD		RADIATION ZONE FF G-145		TYPE TEST		
ACCURACY DEMONS.:	AGING	40 YEARS PLUS 120 DAYS POST DBA		FSAR PARAGRAPH 3-11-1				
LOCATION: AUX BUILDING ELEVATION: -10' FT.	SUBMERGENCE	NONE		FSAR QUESTION 2-11-8				
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A								
COORDINATES: K-L; 8A-9A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH								REVISION NO. - 0
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: T.F 07/30/82 DATE
QUALIF STATUS: NOT QUALIFIED REPLACEMENT				REFERENCES:				CHECKER : T.C 07/30/82 DATE
								SYSTEM: SAFETY INJECTION
								QDEF SHEET NO.-2065

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS	!	FSAR TABLE	!	TYPE TEST	N/A	QUALIFIED LIFE IS:
COMPONENT: PRESSURE SWITCH			!	3.11-2	!			
PLANT NUMBER: PS CH 0208 PS 208	TEMPERATURE	150 DEGF POST DBA	!	TEMPERATURE MAP	!	TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ASHCROFT	PRESSURE	1 ATMOS.	!	FSAR TABLE	!	TYPE TEST	N/A	
MODEL AND SERIAL NUMBER: 1654 R			!	3.11-1	!			
SERVICE DESCRIPTION: BORIC ACID PMP B DISCH	RELATIVE HUMIDITY	20% - 90%	!	FSAR TABLE	!	TYPE TEST	N/A	
			!	3.11-1	!			
FUNCTION: TRIP OF BORIC ACID PMP B	CHEMICAL SPRAY	NONE	!	N/A	!	TYPE TEST	N/A	
ACCURACY SPECIFIED: PRESSURE			!		!			
ACCURACY DEMONS.:	RADIATION	GAMMA: 64000 RAD	!	RADIATION ZONE FF	!	TYPE TEST	N/A	
		BETA: 1.1 MRAD	!	G-137	!			
LOCATION: AUX BUILDING	AGING	140 YEARS PLUS	!	FSAR PARAGRAPH	N/A	SUPP ANALY-	YES	
ELEVATION: -28' FT.		120 DAYS POST DBA	!	3.11.1	!	SIS		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	!	FSAR QUESTION	!	N/A	N/A	
ABOVE FLOOD LEVEL: N/A			!	211.8	!			
COORDINATES: J-H; 5A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				!
ENVIRON'T IS HARSH			!					REVISION NO. - 0
EQUIPMENT EXEMPT FROM QUALIFICATION: NO			O!					PREPARER: 07/30/82
QUALIF STATUS: NOT QUALIFIED, REPLACEMENT PURCHASED			T!					DATE
			P!	REFERENCES:				CHECKER: 07/30/82
			H!					DATE
			C!					SYSTEM: CHEMICAL AND VOLUME CONTROL
			R!					QDEF SHEET NO.-2066
			A!					
			S!					

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS	!					QUALIFIED LIFE IS:
COMPONENT: PRESSURE SWITCH			!					
PLANT NUMBER: PS CH 0224X PS 224X	TEMPERATURE	148 DEGF POST DBA	!	TEMPERATURE MAP G-137	!			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ALLEN & BRADLY	PRESSURE	1 ATMOS.	!		!			
MODEL AND SERIAL NUMBER: 836-C62J	RELATIVE HUMIDITY	20% - 90%	!		!			
SERVICE DESCRIPTION: CHARGING PMP A SUCTN PRESS CONT	CHEMICAL SPRAY	NONE	!		!			
FUNCTION: TRIP CHARGING PMP A SUCT			!		!			
ACCURACY SPECIFIED:	RADIATION	8.9 MRAD	!	RADIATION ZONE S G-145	!			
ACCURACY DEMONS.:			!		!			
LOCATION: AUX BUILDING	AGING	40 YEARS	!		!			
ELEVATION: -28' FT.		120 DAYS	!		!			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	!		!			
ABOVE FLOOD LEVEL: N/A			!		!			
COORDINATES: K-J; 1A-2A;	INDEX FOR INCONSISTENCY!			OTHER EQUIPMENT THIS QDEF APPLIES TO:			REVISION NO. - 0	
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)						PREPARER: 07/30/82 DATE	
EQUIPMENT EXEMPT FROM QUALIFICATION:	O	O!		REFERENCES:			CHECKER: 07/30/82 DATE	
QUALIF STATUS:	T	T!					SYSTEM: CHEMICAL AND VOLUME CONTROL	
	P	P!					QDEF SHEET NO. -2067	
	H	H!						
	C	C!						
	R	R!						
	A	A!						
	S	S!						

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS						QUALIFIED LIFE IS:
COMPONENT: PRESSURE SWITCH								
PLANT NUMBER: PS CH 0224Y PS 224Y	TEMPERATURE	104 DEG POST DBA		TEMPERATURE MAP	G-137			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ALLEN & BRADLY	PRESSURE	1 ATMOS.						
MODEL AND SERIAL NUMBER: 836-C62J	RELATIVE HUMIDITY	20% - 90%						
SERVICE DESCRIPTION: CHARGING PMP'S B SUCT. PRESS								
FUNCTION: TRIP CHARGING PMP A SUCT PRES	CHEMICAL SPRAY	NONE						
ACCURACY SPECIFIED:	RADIATION	8.9 MRAD		RADIATION ZONE S	G-137			
ACCURACY DEMONS.:	AGING	140 YEARS +120 DAYS						
LOCATION: AUX BUILDING ELEVATION: -28' FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	NONE						
COORDINATES: H-J; 3A-YA; ENVIRON'T IS HARSH	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE! (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. - 0
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS:	O	O!						PREPARER: 07/30/82 DATE
	T	T!						CHECKER: 07/30/82 DATE
	P	P!						
	H	H!		REFERENCES:				
	C	C!						
	R	R!						
	A	A!						SYSTEM: CHEMICAL AND VOLUME CONTROL
	S	S!						QDEF SHEET NO.-2068

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS						QUALIFIED LIFE IS:
COMPONENT: PRESSURE SWITCH								
PLANT NUMBER: PS CH 0224Z PS 224Z	TEMPERATURE	104 DEG POST DBA		TEMPERATURE MAP	G-137			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: ALLEN & BRADLY	PRESSURE	1 ATMOS.						
MODEL AND SERIAL NUMBER: 836-C62J	RELATIVE HUMIDITY	20% - 90%						
SERVICE DESCRIPTION: CHARGING PMP'S B SUCT. PRESS								
FUNCTION: TRIP CHARGING PMPA/B SUCT PRE	CHEMICAL SPRAY	NONE						
ACCURACY SPECIFIED:	RADIATION	8.9 MRAD		RADIATION	ZONE S G-137			
ACCURACY DEMONS.:								
LOCATION: AUX BUILDING ELEVATION: -28' FT.	AGING	40 YEARS +120 DAYS 1 YEAR POST DBA						
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: V/A	SUBMERGENCE	NONE						
COORDINATES: K-J; 2A-3A;	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:			REVISION NO. - 0	
ENVIRON'T IS HARSH		O O						PREPARER: 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:		T T						CHECKER: 07/30/82 DATE
QUALIF STATUS:		P P		REFERENCES:				
		H H						
		C C						
		R R						SYSTEM: CHEMICAL AND VOLUME CONTROL
		A A						QDEF SHEET NO.-2069
		S S						

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS						QUALIFIED LIFE IS:
COMPONENT: PRESSURE SWITCH								
PLANT NUMBER: PS CH 0229X PS 229X	TEMPERATURE	104 DEGF POST DBA		TEMPERATURE	MAP G-137			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: UE	PRESSURE	1 ATMOS.						
MODEL AND SERIAL NUMBER: J6								
SERVICE DESCRIPTION: PRESS CHARGING PMP AA OIL PRES	RELATIVE HUMIDITY	120% - 90%						
FUNCTION: TRIP CHARGING PMPA LOW SUCT.	CHEMICAL SPRAY	NONE						
ACCURACY SPECIFIED:	RADIATION	18.9 MRAD		RADIATION	ZONE S G-137			
ACCURACY DEMONS.:								
LOCATION: AUX BUILDING ELEVATION: -28' FT.	AGING	140 YEARS +120 DAYS POST DBA						
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE						
ABOVE FLOOD LEVEL: N/A								
COORDINATES: K-J; 1A-2A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. - 0
ENVIRON'T IS HARSH		O O						PREPARER: 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:		T T						CHECKER: 07/30/82 DATE
QUALIF STATUS:		P P		REFERENCES:				
		H H						
		C C						
		R R						
		A A						SYSTEM: CHEMICAL AND VOLUME CONTROL
		S S						QDEF SHEET NO. -2070

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS						QUALIFIED LIFE IS:
COMPONENT: PRESSURE SWITCH								
PLANT NUMBER: PS CH 0229Y PS 229Y	TEMPERATURE	104 DEGF POST DBA		TEMPERATURE				MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: UE	PRESSURE	1 ATMOS.		MAP G-137				
MODEL AND SERIAL NUMBER: J6								
SERVICE DESCRIPTION: CHARGING PMP B OIL PRESS OIL	RELATIVE HUMIDITY	120% - 90%						
FUNCTION: TRIP CHARGING PMP B SUCT PRES	CHEMICAL SPRAY	NONE						
ACCURACY SPECIFIED:	RADIATION	8.9 MRAD		RADIATION ZONE S G-137				
ACCURACY DEMONS.:								
LOCATION: AUX BUILDING ELEVATION: -28' FT.	AGING	40 YEARS +120 DAYS POST DBA						
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	NONE						
COORDINATES: K-U; 3A-YA	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH								REVISION NG. - 0
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS:	O	O!						PREPARER: 07/30/82 DATE
	T	T!						CHECKER : 07/30/82 DATE
	P	P!						
	H	H!		REFERENCES:				
	C	C!						
	R	R!						
	A	A!						SYSTEM: CHEMICAL AND VOLUME CONTROL
	S	S!						QDEF SHEET NO. -2071

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS						QUALIFIED LIFE IS:	
COMPONENT: PRESSURE SWITCH									
PLANT NUMBER: PS CH 0229Z PS 229Z	TEMPERATURE	104 DEGF POST DBA		TEMPERATURE	MAP G-137			MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: UE	PRESSURE	1 ATMOS.							
MODEL AND SERIAL NUMBER: J6									
SERVICE DESCRIPTION: CHARGING PMP A/OIL PRESS LD	RELATIVE HUMIDITY	20% - 90%							
FUNCTION: TRIP CHARGING PMP A/B DUCT PR	CHEMICAL SPRAY	NONE							
ACCURACY SPECIFIED:	RADIATION	8.9 MRAD		RADIATION	ZONE S G-137				
ACCURACY DEMONS.:									
LOCATION: AUX BUILDING ELEVATION: -28' FT.	AGING	40 YEARS +120 DAYS POST DBA							
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE							
ABOVE FLOOD LEVEL: N/A									
COORDINATES: K-J; 1A-2A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)						OTHER EQUIPMENT THIS QDEF APPLIES TO:		REVISION NO. - 0
ENVIRON'T IS HARSH		D O						PREPARER: 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION:		T T						DATE	
QUALIF STATUS:		P P		REFERENCES:				CHECKER : 07/30/82	
		H H						DATE	
		C C							
		R R						SYSTEM: CHEMICAL AND	
		A A						VOLUME CONTROL	
		S S						QDEF SHEET NO. -2072	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS						QUALIFIED LIFE IS:
COMPONENT: PRESSURE SWITCH								
PLANT NUMBER: PS CH Q234X PS 224X	TEMPERATURE	104 DEG POST DBA		TEMPERATURE				MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: UE	PRESSURE	1 ATMOS.		MAP G-137				
MODEL AND SERIAL NUMBER: J6	RELATIVE HUMIDITY	20% - 90%						
SERVICE DESCRIPTION: CHARGING PMP A/ COOL SYST PRESS	CHEMICAL SPRAY	NONE						
FUNCTION: TRIP CHARGING PMP A COOL SYS								
ACCURACY SPECIFIED:	RADIATION	8.9 MRAD		RADIATION				
ACCURACY DEMONS.:				ZONE S G-137				
LOCATION: AUX BUILDING	AGING	40 YEARS						
ELEVATION: -28' FT.		+120 DAYS POST DBA						
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE						
ABOVE FLOOD LEVEL: N/A								
COORDINATES: K-J: 1A-2A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH								REVISION NO.- 0
EQUIPMENT EXEMPT FROM QUALIFICATION:								PREPARER: 07/30/82 DATE
QUALIF STATUS:								CHECKER : 07/30/82 DATE
				REFERENCES:				
								SYSTEM:CHEMICAL AND VOLUME CONTROL
								QDEF SHEET NO.-2073

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS						QUALIFIED LIFE IS:
COMPONENT: PRESSURE SWITCH								
PLANT NUMBER: PS CH 0234Y PS 234Y	TEMPERATURE	104 DEG POST DBA		TEMPERATURE				MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: UE	PRESSURE	1 ATMOS.		MAP G-137				
MODEL AND SERIAL NUMBER: J6	RELATIVE HUMIDITY	20% - 90%						
SERVICE DESCRIPTION: CHARGING PMP B COOL SYST PRESS	CHEMICAL SPRAY	NONE						
FUNCTION: TRIP CHARGING PMP B COOL SYST								
ACCURACY SPECIFIED:	RADIATION	8.9 MRAD		RADIATION				
ACCURACY DEMONS.:				ZONE S G-137				
LOCATION: AUX BUILDING ELEVATION: -28' FT.	AGING	40 YEARS +120 DAYS POST DBA						
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE						
ABOVE FLOOD LEVEL: N/A								
COORDINATES: K-J; 3A-4A	INDEX FOR CONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH								REVISION NO. - 0
EQUIPMENT EXEMPT FROM QUALIFICATION:								PREPARER: 07/30/82 DATE
QUALIF STATUS:				REFERENCES:				CHECKER: 07/30/82 DATE
								SYSTEM: CHEMICAL AND VOLUME CONTROL
								ODEF SHEET NO.-2074

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS	!!					QUALIFIED LIFE IS:	
COMPONENT:	PRESSURE SWITCH			!!						
PLANT NUMBER:	PS CH 0234Z PS 234Z	TEMPERATURE	104 DEGF POST DBA	!!		TEMPERATURE MAP G-137			MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER:	UE	PRESSURE	1 ATMOS.	!!						
MODEL AND SERIAL NUMBER:	J6	RELATIVE HUMIDITY	20% - 90%	!!						
SERVICE DESCRIPTION:	CHARGING PMP B COOL SYST PRESS	CHEMICAL SPRAY	NONE	!!						
FUNCTION:	TRIP CHARGING PMP A/B COOL SY	RADIATION	8.9 MRAD	!!		RADIATION ZONE S G-137				
ACCURACY SPECIFIED:		AGING	40 YEARS +120 DAYS POST DBA	!!						
ACCURACY DEMONS.:				!!						
LOCATION:	AUX BUILDING			!!						
ELEVATION:	-28' FT.			!!						
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	NONE	!!						
ABOVE FLOOD LEVEL:	N/A			!!						
COORDINATES:	K-J; 2A-3A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO. - 0
EQUIPMENT EXEMPT FROM QUALIFICATION:		O	D!						PREPARER: 07/30/82 DATE	
QUALIF STATUS:		T	T!						CHECKER : 07/30/82 DATE	
		P	P!							
		H	H!		REFERENCES:					
		C	C!							
		R	R!							
		A	A!						SYSTEM:CHEMICAL AND VOLUME CONTROL	
		S	S!						QDEF SHEET NO.-2075	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS	!	FSAR TABLE	!	TYPE TEST	N/A	QUALIFIED LIFE IS:
COMPONENT: PRESSURE SWITCH			!	3.11-2	!	!	!	
PLANT NUMBER: PS CH 0206 PS 206	TEMPERATURE	150 DEGF POST DBA	!	TEMPERATURE MAP	!	TYPE TEST	N/A	MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: ASHCROFT	PRESSURE	1 ATMOS.	!	FSAR TABLE	!	TYPE TEST	N/A	
MODEL AND SERIAL NUMBER: 1654 R	RELATIVE HUMIDITY	120% - 90%	!	FSAR TABLE	!	TYPE TEST	N/A	
SERVICE DESCRIPTION: BORIC ACID PMP A DISCH	CHEMICAL SPRAY	NONE	!	N/A	!	TYPE TEST	N/A	
FUNCTION: TRIP OF BORIC ACID PMP A			!		!			
ACCURACY SPECIFIED: PRESSURE	RADIATION	GAMMA: 64000 RAD BETA: 1.1 MRAD	!	RADIATION ZONE FF	!	TYPE TEST	N/A	
ACCURACY DEMONS.:			!	G-137	!			
LOCATION: AUX BUILDING ELEVATION: -28' FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	!	FSAR PARAGRAPH	N/A	SUPP ANALY-SIS	YES	
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	NONE	!	FSAR QUESTION	!	N/A	N/A	
			!	211.8	!			
COORDINATES: J-H; 5A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE! (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. - 0
ENVIRON'T IS HARSH			!					PREPARER: 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO			!					CHECKER: 07/30/82 DATE
QUALIF STATUS: NOT QUALIFIED, REPLACEMENT PURCHASED			!	REFERENCES:				SYSTEM: CHEMICAL AND VOLUME CONTROL
			!					QDEF SHEET NO. -2076

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	1 HOUR	NONE	CE-PSD-300	NONE			QUALIFIED LIFE IS:	
COMPONENT: SOLENOID									
PLANT NUMBER: SI-648	TEMPERATURE	269 DEGF	NONE	LOCA/MSLB PROFILE TABLE 1	NONE			MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: AUTOMATIC SWITCH COMPANY	PRESSURE	1 ATMOS.	NONE	LOCA/MSLB PROFILE TABLE 1	NONE			(1)RECOMMENDATION: REPLACE WITH QUALIFIED ASCO NP SERIES SOLENOID PRIOR TO FUEL LOAD	
MODEL AND SERIAL NUMBER: 8302027	RELATIVE HUMIDITY	100%	NONE	FSAR TABLE 3.11-1	NONE			CENTRAL FILE: EQ-CEM-7	
SERVICE DESCRIPTION: PNEUMATIC SIGNAL TO CONTROL VLV									
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	BORON(BOR. ACID) 5.0-9.0PH: 1750-2150 PPM	NONE	FSAR TABLE 3.11-1	NONE				
ACCURACY SPECIFIED: N/A	RADIATION	36 MRAD	NONE	RADIATION MAP ZONE: DWG:G-144	NONE				
ACCURACY DEMONS.: N/A									
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.	AGING	40 YEARS PLUS 1 HOUR	NONE	FSAR PARAGRAPH 3.11.1	NONE				
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	N/A	FSAR QUESTION 211.8	N/A	N/A			
ABOVE FLOOD LEVEL: YES									
COORDINATES: SE	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	
ENVIRGN'T IS HARSH								REVISION NO.-01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER:GB 07/30/82 DATE	
QUALIF STATUS: UNQUALIFIED								CHECKER :RQ 07/30/82 DATE	
				REFERENCES:				SYSTEM:SAFETY INJECTION	
								QDEF SHEET NO.-2100	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	120 DAYS	C-PSD-300	LIMITORQUE	TYPE	YES	QUALIFIED LIFE IS: 40+1 YR ACC.	
COMPONENT: MOTOR OPERATOR					BO058 E0003 FIG. 1, P. 15	TEST +			
PLANT NUMBER: SI-615	TEMPERATURE	140 DEG F	250 DEG F	HVAC TEMP MAPS DWG NO: G-145	LIMITORQUE BO058 FIG. 1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)	
MANUFACTURER: LIMITORQUE	PRESSURE	1 ATMOS.	1 ATMOS.	FSAR TABLE 3.11-1	LIMITORQUE BO058 BO003 P. 7	TYPE TEST		(1) OPERATE ONCE PER 6 MONTHS (2) LUBRICATE ONCE PER YEAR	
MODEL AND SERIAL NUMBER: SMB 1-40	RELATIVE HUMIDITY	20% - 90%	100%	FSAR TABLE 3.11-1	LIMITORQUE BO058 BO003 P. 7	TYPE TEST		CENTRAL FILE: EQ-CEM-9	
SERVICE DESCRIPTION: OPEN & CLOSE VALVE SI-615	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A			
FUNCTION: ACCIDENT MITIGATION									
ACCURACY SPECIFIED: N/A	RADIATION	52,000 RADS	20 MRAD	RADIATION MAPS ZONE GG DWG: G-145	LIMITORQUE BO058 BO003 P. 8	TYPE TEST			
ACCURACY DEMONS.: N/A									
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	AGING	40 YEARS + ACCIDENT	40 YEARS ACCIDENT	FSAR PARAGRAPH 3.11.1	LIMITORQUE BO058 BO003 P. 15	ANALY SIS			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	NONE	N/A	FSAR QUESTION 211.8	N/A	N/A			
COORDINATES: COL M;6A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO. -01
ENVIRON'T IS HARSH	ANALYSIS M-7								PREPARER: GB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									CHECKER :RQ 07/30/82 DATE
QUALIF STATUS: QUALIFIED	REFERENCES: CE SPEC 9270-PE-705REV. 4								SYSTEM: SAFETY INJECTION QDEF SHEET NO. -2101

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	SAFETY INJECTION	OPERATING TIME	120 DAYS	120 DAYS	C-PSD-300	LIMITORQUE	TYPE	YES	QUALIFIED LIFE IS:
COMPONENT:	MOTOR OPERATOR					B0058 B0003 FIG. 1, P. 15	TEST +		40+1 YR ACC.
PLANT NUMBER:	SI-635	TEMPERATURE	140 DEGF	250 DEGF	HVAC TEMP MAPS	LIMITORQUE	TYPE		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	LIMITORQUE	PRESSURE	1 ATMOS.	1 ATMOS.	FSAR TABLE	LIMITORQUE	TEST		APP. A TO LIMITORQUE REPORT # B0058 REF(1)
MODEL AND SERIAL NUMBER:	SMB 1-40				3.11-1	B0058 B0003 P. 7			((1)OPERATE ONCE PER 6 MONTHS ((2)LUBRICATE ONCE PER YEAR
SERVICE DESCRIPTION:	OPEN & CLOSE VALVE SI-635	RELATIVE HUMIDITY	20% - 90%	100%	FSAR TABLE	LIMITORQUE	TEST		CENTRAL FILE: EQ-CEM-9
FUNCTION:	AM	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:	N/A	RADIATION	52,000 RADS	20 MRAD	RADIATION MAPS	LIMITORQUE	TEST		
ACCURACY DEMONS.:	N/A				ZONE GG	B0003			
LOCATION:	AUX BUILDING	AGING	40 YEARS	40 YEARS	FSAR PARAGRAPH	LIMITORQUE	ANALY		
ELEVATION:	-35.0 FT.		+	ACCIDENT	3.11.1	B0058 B0003 P. 15	SIS		
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	NONE	N/A	FSAR QUESTION	N/A	N/A		
ABOVE FLOOD LEVEL:	N/A				211.8				
COORDINATES:	N;10AZ	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH		ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:	NO	ANALYSIS M-7							
QUALIF STATUS:	QUALIFIED	O1 T1 P1 H1 C1 R1 A1 S1							REFERENCES: CE SPEC 9270-PE-705REV. 4
									REVISION NO.-01
									PREPARER:GB 07/30/82
									CHECKER :RQ 07/30/82
									DATE
									SYSTEM:SAFETY INJECTION
									QDEF SHEET NO.-2102

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	120 DAYS	C-PSD-300	LIMITORQUE	TYPE	YES	QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: MOTOR OPERATOR					B0058 B0003 FIG. 1, P. 15	TEST +		
PLANT NUMBER: SI-645	TEMPERATURE	140 DEGF	250 DEGF	HVAC TEMP MAPS	LIMITORQUE	TYPE		MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # B0058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	1 ATMOS.	1 ATMOS.	FSAR TABLE 3.11-1	LIMITORQUE	TEST		(1) OPERATE ONCE PER 6 MONTHS
MODEL AND SERIAL NUMBER: SMB 1-40					P. 7			(2) LUBRICATE ONCE PER YEAR
SERVICE DESCRIPTION: OPEN & CLOSE VALVE SI-645	RELATIVE HUMIDITY	20% - 90%	100%	FSAR TABLE 3.11-1	LIMITORQUE	TEST		CENTRAL FILE: EQ-CEM-9
FUNCTION: AM	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED: N/A	RADIATION	52,000 RADS	20 MRAD	RADIATION MAPS	LIMITORQUE	TEST		
ACCURACY DEMONS.: N/A				ZONE GG	B0003			
LOCATION: AUX BUILDING	AGING	40 YEARS	40 YEARS	FSAR PARAGRAPH 3.11.1	LIMITORQUE	ANALY		
ELEVATION: -35.0 FT.		+	ACCIDENT	ACCIDENT	B0003	SIS		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	N/A	FSAR QUESTION	N/A	N/A		
ABOVE FLOOD LEVEL: N/A				211.8				
COORDINATES: M:9A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-7	O!	T!	REFERENCES: CE SPEC 9270-PE-705REV. 4				PREPARER: GB 07/30/82
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		P!	H!					DATE
QUALIF STATUS: QUALIFIED		C!	R!					CHECKER : RQ 07/30/82
		A!	S!					DATE
								SYSTEM: SAFETY INJECTION
								QDEF SHEET NO.-2103

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	120 DAYS	C-PSD-300	LIMITORQUE	TYPE	YES	QUALIFIED	
COMPONENT: MOTOR OPERATOR					BO058 BO003 FIG.1, P.15	TEST		LIFE IS: 40+1 YR ACC.	
PLANT NUMBER: SI-616	TEMPERATURE	104 DEGF	250 DEGF	HVAC TEMP MAPS DWG NO: G-145	LIMITORQUE BO058 BO003 FIG.1	-		MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)	
MANUFACTURER: LIMITORQUE	PRESSURE	1 ATMOS.	1 ATMOS.	FSAR TABLE 3.11-1	LIMITORQUE BO058 BO003 P. 7	-		{(1)OPERATE ONCE PER 6 MONTHS {(2)LUBRICATE ONCE PER YEAR	
MODEL AND SERIAL NUMBER: SM-0010	RELATIVE HUMIDITY	20% - 90%	100%	FSAR TABLE 3.11-1	LIMITORQUE BO058 BO003 P.7	-		CENTRAL FILE: EQ-CEM-9	
SERVICE DESCRIPTION: OPEN & CLOSE VALVE SI-616	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A			
ACCURACY SPECIFIED: N/A	RADIATION	52,000 RADS	200 MRAD	RADIATION MAPS ZONE:GG DWG: G-145	LIMITORQUE BO058 BO003 P.8	TYPE TEST			
ACCURACY DEMONS.: N/A	AGING	40 YEARS	40 YEARS	FSAR PARAGRAPH 3.11.1		ANALY SIS			
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	SUBMERGENCE	NONE	N/A	FSAR QUESTION 211.8	N/A	N/A			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A									
COORDINATES: COL L;9A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS M-7	O!	T!	REFERENCES: (1) LIMITORQUE CORP.REPORT # BO003 : APPENDIX D TO REPORT # BO058				PREPARER: 07/30/82 DATE	
QUALIF STATUS:		P!	H!					CHECKER : 07/30/82 DATE	
		C!	R!					SYSTEM:SAFETY INJECTION	
		A!	S!					QDEF SHEET NO.-2104	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	120 DAYS	C-PSD-300	LIMITORQUE	TYPE TEST	YES	QUALIFIED LIFE IS: 40+1 YR ACC.	
COMPONENT: MOTOR OPERATOR					BO058 BO003 FIG. 1, P. 15				
PLANT NUMBER: SI-626	TEMPERATURE	104 DEGF	250 DEGF	HVAC TEMP MAPS DWG NO: G-145	LIMITORQUE BO058 BO003 FIG. 1			MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)	
MANUFACTURER: LIMITORQUE	PRESSURE	1 ATMOS.	1 ATMOS.	FSAR TABLE	LIMITORQUE BO058 BO003 P. 7			(1) OPERATE ONCE PER 6 MONTHS (2) LUBRICATE ONCE PER YEAR	
MODEL AND SERIAL NUMBER: SM-0010	RELATIVE HUMIDITY	20% - 90%	100%	FSAR TABLE	LIMITORQUE BO058 BO003 P. 7			CENTRAL FILE: EQ-CEM-9	
SERVICE DESCRIPTION: OPEN & CLOSE VALVE SI-626	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A			
ACCURACY SPECIFIED: N/A	RADIATION	52,000 RADS	200 MRAD	RADIATION MAPS ZONE: GG DWG: G-145	LIMITORQUE BO058 BO003 P. 8	TYPE			
ACCURACY DEMONS.: N/A	AGING	40 YEARS	40 YEARS	FSAR PARAGRAPH		ANALY SIS			
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	SUBMERGENCE	NONE	N/A	FSAR QUESTION	N/A	N/A			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A				211.8					
COORDINATES: N:9A ENVIRON'T IS HARSH	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-7							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED								REFERENCES: (1) LIMITORQUE CORP. REPORT # BO003 : APPENDIX D TO REPORT # BO058	PREPARER: GB 07/30/82 DATE CHECKER : RQ 07/30/82 DATE
								SYSTEM: SAFETY INJECTION	QDEF SHEET NO. -2105

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	SAFETY INJECTION	OPERATING TIME	120 DAYS	120 DAYS	C-PSD-300	LIMITORQUE B0058	TYPE TEST	YES	QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT:	MOTOR OPERATOR					B0003 FIG. 1, P. 15			
PLANT NUMBER:	SI-636	TEMPERATURE	104 DEGF	250 DEGF	HVAC TEMP MAPS DWG NO: G-145	LIMITORQUE B0058 B0003 FIG. 1			MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIM. TORQUE REPORT # B0058 REF(1)
MANUFACTURER:	LIMITORQUE	PRESSURE	1 ATMOS.	1 ATMOS.	FSAR TABLE 3.11-1	LIMITORQUE B0058 B0003 P. 7			(1) OPERATE ONCE PER 6 MONTHS (2) LUBRICATE ONCE PER YEAR
MODEL AND SERIAL NUMBER:	SM-0010	RELATIVE HUMIDITY	20% - 90%	100%	FSAR TABLE 3.11-1	LIMITORQUE B0058 B0003 P. 7			CENTRAL FILE: EQ-CEM-9
SERVICE DESCRIPTION:	OPEN & CLOSE VALVE SI-636	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
FUNCTION:	A.M.								
ACCURACY SPECIFIED:	N/A	RADIATION	52,000 RADS	200 MRAD	RADIATION MAPS ZONE: GG DWG: G-145	LIMITORQUE B0058 B0003 P. 8	TYPE TEST		
ACCURACY DEMONS.:	N/A								
LOCATION:	AUX BUILDING	AGING	40 YEARS	40 YEARS	FSAR PARAGRAPH 3.11.1		ANALY SIS		
ELEVATION:	-35.0 FT.								
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	NONE	N/A	FSAR QUESTION 211.8	N/A	N/A		
ABOVE FLOOD LEVEL:	N/A								
COORDINATES:	L:9A	INDEX FOR INCONSISTENCY!		OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01	
ENVIRON'T IS HARSH		ANALYSIS IN WORKFILE (IF REQUIRED)						PREPARER: GB 07/30/82 DATE	
EQUIPMENT EXEMPT FROM QUALIFICATION:		ANALYSIS M-7						CHECKER: RQ 07/30/82 DATE	
QUALIF STATUS:	QUALIFIED			REFERENCES: (1) LIMITORQUE CORP. REPORT # B0003 : APPENDIX D TO REPORT # B0058				SYSTEM: SAFETY INJECTION	
								QDEF SHEET NO.-2106	

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	SAFETY INJECTION	OPERATING TIME	120 DAYS	120 DAYS	C-PSD-300	LIMITORQUE B0058	TYPE TEST	YES	QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT:	MOTOR OPERATOR					B0003 FIG. 1, P. 15	+ ANALYS		
PLANT NUMBER:	SI-625	TEMPERATURE	140 DEGF	250 DEGF	HVAC TEMP MAPS DWG NO: G-145	LIMITORQUE B0058 B0003 FIG. 1	TYPE TEST		MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # B0058 REF(1)
MANUFACTURER:	LIMITORQUE	PRESSURE	1 ATMOS.	1 ATMOS.	FSAR TABLE 3.11-1	LIMITORQUE B0058 B0003 P. 7	TYPE TEST		
MODEL AND SERIAL NUMBER:	SMB 1-40	RELATIVE HUMIDITY	20% - 90%	100%	FSAR TABLE 3.11-1	LIMITORQUE B0058 B0003 P. 7	TYPE TEST		((1) OPERATE ONCE PER 6 MONTHS ((2) LUBRICATE ONCE PER YEAR
SERVICE DESCRIPTION:	OPEN & CLOSE VALVE SI-625	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		CENTRAL FILE: EQ-CEM-9
FUNCTION:	AM								
ACCURACY SPECIFIED:	N/A	RADIATION	52,000 RADS	20 MRAD	RADIATION MAPS ZONE: GG DWG: G-145	LIMITORQUE B0058 B0003 P. 8	TYPE TEST		
ACCURACY DEMONS.:	N/A	AGING	40 YEARS + ACCIDENT	40 YEARS ACCIDENT	FSAR PARAGRAPH 3.11.1	LIMITORQUE B0058 B0003 P. 15	ANALY SIS		
LOCATION:	AUX BUILDING								
ELEVATION:	-35.0 FT.								
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	NONE	N/A	FSAR QUESTION	N/A	N/A		
ABOVE FLOOD LEVEL:	N/A				211.8				
COORDINATES:	N;4A	INDEX FOR INCONSISTENCY!		OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01	
ENVIRON'T IS HARSH		ANALYSIS IN WORKFILE (IF REQUIRED)						PREPARER: GB 07/30/82 DATE	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO		ANALYSIS M-7						CHECKER: RQ 07/30/82 DATE	
QUALIF STATUS: QUALIFIED				REFERENCES: CE SPEC 9270-PE-705REV. 4				SYSTEM: SAFETY INJECTION	
								QDEF SHEET NO.-2107	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	120 DAYS	C-PSD-300	LIMITORQUE BO058	TYPE TEST	YES	QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: MOTOR OPERATOR					BO003 FIG. 1, P. 15			
PLANT NUMBER: SI-646	TEMPERATURE	104 DEG F	250 DEG F	HVAC TEMP MAPS DWG NO: G-145	LIMITORQUE BO058 FIG. 1	-		MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	1 ATMOS.	1 ATMOS.	FSAR TABLE 3.11-1	LIMITORQUE BO058 BO003 P. 7	-		(1) OPERATE ONCE PER 6 MONTHS (2) LUBRICATE ONCE PER YEAR
MODEL AND SERIAL NUMBER: SM-0010	RELATIVE HUMIDITY	20% - 90%	100%	FSAR TABLE 3.11-1	LIMITORQUE BO058 BO003 P. 7	-		
SERVICE DESCRIPTION: OPEN & CLOSE VALVE SI-646	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		CENTRAL FILE: EQ-CEM-9
FUNCTION: A.M.								
ACCURACY SPECIFIED: N/A	RADIATION	52,000 RADS	200 MRAD	RADIATION MAPS ZONE: GG DWG: G-145	LIMITORQUE BO058 BO003 P. 8	TYPE TEST		
ACCURACY DEMONS.: N/A	AGING	40 YEARS	40 YEARS	FSAR PARAGRAPH 3.11.1		ANALY SIS		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	SUBMERGENCE	NONE	N/A	FSAR QUESTION	N/A	N/A		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A				211.8				
(COORDINATES: L: 10A ENVIRON'T IS HARSH EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) ANALYSIS M-7			OTHER EQUIPMENT THIS QDEF APPLIES TO: REFERENCES: (1) LIMITORQUE CORP. REPORT # BO003 : APPENDIX D TO REPORT # BO058			REVISION NO.-01 PREPARER: GB 07/30/82 DATE CHECKER : RQ 07/30/82 DATE SYSTEM: SAFETY INJECTION	
								QDEF SHEET NO.-2108

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	SAFETY INJECTION	OPERATING TIME	120 DAYS	120 DAYS	C-PSD-300	LIMITORQUE	TYPE TEST	YES	QUALIFIED LIFE IS: 40+1 YR ACC.	
COMPONENT:	MOTOR OPERATOR					BO058 BO003 FIG. 1, P. 15				
PLANT NUMBER:	SI-617	TEMPERATURE	104 DEGF	250 DEGF	HVAC TEMP MAPS DWG NO: G-145	LIMITORQUE BO058 BO003 FIG. 1			MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)	
MANUFACTURER:	LIMITORQUE	PRESSURE	1 ATMOS.	1 ATMOS.	FSAR TABLE 3.11-1	LIMITORQUE BO058 BO003 P. 7			(1) OPERATE ONCE PER 6 MONTHS (2) LUBRICATE ONCE PER YEAR	
MODEL AND SERIAL NUMBER:	SM-0010	RELATIVE HUMIDITY	20% - 90%	100%	FSAR TABLE 3.11-1	LIMITORQUE BO058 BO003 P. 7			CENTRAL FILE: EQ-CEM-9	
SERVICE DESCRIPTION:	OPEN & CLOSE VALVE SI-617	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A			
FUNCTION:	A.M.									
ACCURACY SPECIFIED:	N/A	RADIATION	52,000 RADS	200 MRAD	RADIATION MAPS ZONE: GG DWG: G-145	LIMITORQUE BO058 BO003 P. 8	TYPE TEST			
ACCURACY DEMONS.:	N/A	AGING	40 YEARS	40 YEARS	FSAR PARAGRAPH 3.11.1		ANALY SIS			
LOCATION:	AUX BUILDING									
ELEVATION:	-35.0 FT.									
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	NONE	N/A	FSAR QUESTION	N/A	N/A			
ABOVE FLOOD LEVEL:	N/A				211.8					
COORDINATES:	L;6A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH		ANALYSIS M-7								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:										REVISION NO. -01
QUALIF STATUS:	QUALIFIED									PREPARER: GB 07/30/82 DATE
										CHECKER: RQ 07/30/82 DATE
										REFERENCES: (1) LIMITORQUE CORP. REPORT # BO003 : APPENDIX D TO REPORT # BO058
										SYSTEM: SAFETY INJECTION
										QDEF SHEET NO. -2109

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	SAFETY INJECTION	OPERATING TIME	120 DAYS	120 DAYS	C-PSD-300	LIMITORQUE	TYPE TEST	YES	QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT:	MOTOR OPERATOR								
PLANT NUMBER:	SI-627	TEMPERATURE	104 DEGF	250 DEGF	HVAC TEMP MAPS	LIMITORQUE	-		MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER:	LIMITORQUE	PRESSURE	1 ATMOS.	1 ATMOS.	FSAR TABLE	LIMITORQUE	-		
MODEL AND SERIAL NUMBER:	SM-0010				3.11-1	BO058			((1)OPERATE ONCE PER 6 MONTHS ((2)LUBRICATE ONCE PER YEAR
SERVICE DESCRIPTION:	OPEN & CLOSE VALVE SI-627	RELATIVE HUMIDITY	20% - 90%	100%	FSAR TABLE	LIMITORQUE	-		
FUNCTION:	A.M.	CHEMICAL SPRAY	NONE	N/A	3.11-1	BO003			CENTRAL FILE: EQ-CEM-9
ACCURACY SPECIFIED:	N/A					P.7			
ACCURACY DEMONS.:	N/A	RADIATION	52,000 RADS	200 MRAD	RADIATION MAPS	LIMITORQUE	TYPE TEST		
LOCATION:	AUX BUILDING	AGING	40 YEARS	40 YEARS	ZONE:GG	BO003			
ELEVATION:	-35.0 FT.				DWG: G-145	P.8			
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	NONE	N/A	FSAR PARAGRAPH		ANALY SIS		
ABOVE FLOOD LEVEL:	N/A				3.11.1				
COORDINATES:	L:6A				QUESTION	N/A	N/A		
ENVIRON'T IS HARSH					211.8				
EQUIPMENT EXEMPT FROM QUALIFICATION:		INDEX FOR INCONSISTENCY!							
QUALIF STATUS:	QUALIFIED	ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
		ANALYSIS M-7	O!		REFERENCES: (1) LIMITORQUE CORP.REPORT # BO003 : APPENDIX D TO REPORT # BO058				REVISION NO.-01
			T!						PREPARER:GB 07/30/82 DATE
			P!						CHECKER :RQ 07/30/82 DATE
			H!						SYSTEM:SAFETY INJECTION
			C!						QDEF SHEET NO.-2110
			R!						
			A!						
			S!						

EQUIPMENT DESCRIPTION:		ENVIRONMENT		DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	ANALYZED	
SYSTEM:	SAFETY INJECTION	OPERATING TIME	120 DAYS	120 DAYS	C-PSD-300	LIMITORQUE	TYPE TEST	QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT:	MOTOR OPERATOR					BO058 BO003 FIG. 1, P. 15		
PLANT NUMBER:	SI-637	TEMPERATURE	104 DEGF	250 DEGF	HVAC TEMP MAPS DWG NO: G-145	LIMITORQUE BO058 BO003 FIG. 1		MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER:	LIMITORQUE	PRESSURE	1 ATMOS.	1 ATMOS.	FSAR TABLE 3.11-1	LIMITORQUE BO058 BO003 P. 7		(1) OPERATE ONCE PER 6 MONTHS (2) LUBRICATE ONCE PER YEAR
MODEL AND SERIAL NUMBER:	SM-0010	RELATIVE HUMIDITY	20% - 90%	100%	FSAR TABLE 3.11-1	LIMITORQUE BO058 BO003 P. 7		CENTRAL FILE: EQ-CEM-9
SERVICE DESCRIPTION:	OPEN & CLOSE VALVE SI-637	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A	
FUNCTION:	A.M.							
ACCURACY SPECIFIED:	N/A	RADIATION	52,000 RADS	200 MRAD	RADIATION MAPS ZONE: GG DWG: G-145	LIMITORQUE BO058 BO003 P. 8	TYPE TEST	
ACCURACY DEMONS.:	N/A	AGING	40 YEARS	40 YEARS	FSAR PARAGRAPH 3.11.1		ANALY SIS	
LOCATION:	AUX BUILDING							
ELEVATION:	-35.0 FT.							
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	NONE	N/A	FSAR QUESTION	N/A	N/A	
ABOVE FLOOD LEVEL:	N/A				211.8			
COORDINATES:	L:6A	INDEX FOR INCONSISTENCY!		OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH		ANALYSIS IN WORKFILE (IF REQUIRED)						PREPARER: GB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER : RQ 07/30/82 DATE
QUALIF STATUS: QUALIFIED					REFERENCES: (1) LIMITORQUE CORP. REPORT # BO003 : APPENDIX D TO REPORT # BO058			SYSTEM: SAFETY INJECTION QDEF SHEET NO.-2111

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	120 DAYS	C-PSD-300	LIMITORQUE	TYPE	YES	QUALIFIED
COMPONENT: MOTOR OPERATOR					BO058 BO003 FIG. 1, P. 15	TEST		LIFE IS: 40+1 YR ACC.
PLANT NUMBER: SI-647	TEMPERATURE	104 DEGF	250 DEGF	HVAC TEMP MAPS DWG NO: G-145	LIMITORQUE BO058 BO003 FIG. 1	-		MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	1 ATMOS.	1 ATMOS.	FSAR TABLE	LIMITORQUE	-		
MODEL AND SERIAL NUMBER: SM-0010					BO058 BO003 P. 7			((1) OPERATE ONCE PER 6 MONTHS ((2) LUBRICATE ONCE PER YEAR
SERVICE DESCRIPTION: OPEN & CLOSE VALVE SI-647	RELATIVE HUMIDITY	20% - 90%	100%	FSAR TABLE	LIMITORQUE	-		
					BO058 BO003 P. 7			CENTRAL FILE: EQ-CEM-9
FUNCTION: A.M.	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED: N/A	RADIATION	52,000 RADS	200 MRAD	RADIATION MAPS ZONE: GG DWG: G-145	LIMITORQUE BO058 BO003 P. 8	TYPE TEST		
ACCURACY DEMONS.: N/A	AGING	40 YEARS	40 YEARS	FSAR PARAGRAPH		ANALYSIS		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	N/A	FSAR QUESTION	N/A	N/A		
ABOVE FLOOD LEVEL: N/A				211.8				
COORDINATES: L:7A	INDEX FOR INCONSISTENCY							
ENVIRONMENT IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS M-7							
QUALIF STATUS: QUALIFIED								REFERENCES: (1) LIMITORQUE CORP. REPORT # BO003 : APPENDIX D TO REPORT # BO058
								REVISION NO. -01
								PREPARER: GB 07/30/82 DATE
								CHECKER : RQ 07/30/82 DATE
								SYSTEM: SAFETY INJECTION
								QDEF SHEET NO. -2112

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: SAFETY INJECTION	OPERATING TIME	136 HOURS	NONE	C-PSD-300	N/A	N/A		QUALIFIED LIFE IS:
COMPONENT: SOLENOID								
PLANT NUMBER: SI-307	TEMPERATURE	115 F	NONE	HVAC TEMP MAPS G-137	N/A	N/A		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: AUTOMATIC SWITCH CO.	PRESSURE	10 PSIG	NONE	FSAR TABLE 3.11-1	N/A	N/A		(1)RECOMMENDATION: REPLACE WITH ASCO INP SERIES
MODEL AND SERIAL NUMBER: 8300 B9RU	RELATIVE HUMIDITY	20-90%	NONE	FSAR TABLE 3.11-1	N/A	N/A		SOLENOID PRIOR TO FUEL LOADINGS.
SERVICE DESCRIPTION: PNEUMATIC SIGNAL CONTROL VALVE								CENTRAL FILE: EO-CEM-7
FUNCTION: AM	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	6.7 M RADS	NONE	RADIATION DOSE MAPS ZONE:T G-137	N/A	N/A		
ACCURACY DEMONS.:	AGING	40 YEARS + 1 YEAR	NONE	FSAR PARA 3.11.1	N/A			
LOCATION: RAB BUILDING ELEVATION: FT.	ACCIDENT							
FLOOD LEVEL EL: 0.5 FEET	SUBMERGENCE	N/A	N/A	FSAR QUESTION 211.8	N/A			
ABOVE FLOOD LEVEL: YES								
COORDINATES:	INDEX , INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER:GB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER :RQ 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED				REFERENCES:				SYSTEM:SAFETY INJECTION
								QDEF SHEET NO.-2113

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	36 HOURS	NONE	C-PSD-300	NONE			QUALIFIED LIFE IS:
COMPONENT: SOLENOID								
PLANT NUMBER: SI-306	TEMPERATURE	115 F	NONE	HVAC TEMP MAPS G-137	NONE			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: AUTOMATIC SWITCH CO.	PRESSURE	10 PSIG	NONE	FSAR TABLE 3.11-1	NONE			(1)RECOMMENDATION: REPLACE WITH ASCO INP SERIES
MODEL AND SERIAL NUMBER: 8300 B9RU	RELATIVE HUMIDITY	20-90%	NONE	FSAR TABLE 3.11-1	NONE			SOLENOID PRIOR TO FUEL LOADINGS.
SERVICE DESCRIPTION: PNEUMATIC SIGNAL CONTROL VALVE								CENTRAL FILE: EQ-CEM-7
FUNCTION: AM	CHEMICAL SPRAY	N/A	N/A	N/A	N/A			
ACCURACY SPECIFIED:	RADIATION	6.7 M RADS	NONE	RADIATION DOSE MAPS ZONE: T G-137	NONE			
ACCURACY DEMONS.:	AGING	40 YEARS + 1 YEAR	NONE	FSAR PARA 3.11.1	N/A			
LOCATION: RAB BUILDING ELEVATION: FT.	ACCIDENT							
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	N/A	FSAR QUESTION 211.B	N/A			
ABOVE FLOOD LEVEL: 0.5								
COORDINATES:	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:								PREPARER: GB 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED				REFERENCES:				CHECKER: RQ 07/30/82 DATE
								SYSTEM: SAFETY INJECTION
								QDEF SHEET NO.-2114

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	NONE	C-PSD-300	NONE			QUALIFIED LIFE IS:
COMPONENT: SOLENOID								
PLANT NUMBER: SI-618	TEMPERATURE	140 DEGF	NONE	HVAC TEMP. MAPS DWG. NO: G-145	NONE			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: AUTOMATIC SWITCH CO.	PRESSURE	1 ATMOS.	NONE	FSAR TABLE 3.11-1	NONE			(1)RECOMMENDATION: REPLACE WITH ASCO INP SERIES SOLENOID PRIOR TO FUEL LOADINGS.
MODEL AND SERIAL NUMBER: 8302027	RELATIVE HUMIDITY	20-90%	NONE	FSAR TABLE 3.11-1	NONE			
SERVICE DESCRIPTION: PNEUMATIC SIGNAL CONTROL VALVE								CENTRAL FILE: EQ-CEM-7
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	NONE	NONE	NONE	NONE			
ACCURACY SPECIFIED: N/A	RADIATION	52,000 RADS	NONE	RADIATION DOSE MAPS ZONE: GG DWG. G-145	NONE			
ACCURACY DEMONS.: N/A	AGING	40 YEARS	NONE	FSAR PARAGRAPH 3.11.1	NONE			
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.								
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	NONE	NONE	FSAR QUESTION 211.8	NONE			
COORDINATES: S-W: ENVIRON'T IS HARSH	INDEX FOR INCONSISTENCY: ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO QUALIF STATUS: UNQUALIFIED;				REFERENCES:				PREPARER: GB 07/30/82 DATE CHECKER: RO 07/30/82 DATE
								SYSTEM: SAFETY INJECTION QDEF SHEET NO.-2115

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	NONE	C-PSD-300	NONE			QUALIFIED LIFE IS:	
COMPONENT: SOLENOID									
PLANT NUMBER: SI-638	TEMPERATURE	140 DEGF	NONE	HVAC TEMP. MAPS DWG.#-145	NONE			MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: AUTOMATIC SWITCH CO.	PRESSURE	1 ATMOS.	NONE	FSAR TABLE 3.11-1	NONE			(1)RECOMMENDATION: REPLACE WITH ASCO INP SERIES	
MODEL AND SERIAL NUMBER: 8302027	RELATIVE HUMIDITY	120-90%	NONE	FSAR TABLE 3.11-1	NONE			SOLENOID PRIOR TO FUEL LOADING	
SERVICE DESCRIPTION: PNEU SIGNAL TO CONTROL VALVE								CENTRAL FILE: EQ-CEM-6	
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	NONE	NONE	NONE	NONE				
ACCURACY SPECIFIED: N/A	RADIATION	52,000 RADS	NONE	RADIATION DOSE MAPS ZONE:GG DWG.G-145	NONE				
ACCURACY DEMONS.: N/A									
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.	AGING	140 YEARS	NONE	FSAR PARAGRAPH 3.11.1	NONE				
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	NONE	FSAR QUESTION 211.8	NONE				
ABOVE FLOOD LEVEL: YES									
COORDINATES: N-E;	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	O								PREPARER:GB 07/30/82
QUALIF STATUS: UNQUALIFIED;	T								DATE
	P								CHECKER :RQ 07/30/82
	H	REFERENCES:							DATE
	C								
	R								SYSTEM:SAFETY
	A								INJECTION
	S								QDEF SHEET NO.-2116

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	1 HOUR	N/A	C-PSD-300	N/A	N/A		QUALIFIED LIFE IS:
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: SI-648	TEMPERATURE	414 F	N/A	LOCA/MSLB PROFILE TABLE 1	N/A	N/A		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: NAMCO CO	PRESSURE	44 PSIG	N/A	LOCA/MSLB PROFILE TABLE 1	N/A	N/A		
MODEL AND SERIAL NUMBER: D2400X-2	RELATIVE HUMIDITY	100%	N/A	FSAR TABLE 3.11-1	N/A	N/A		((1)RECOMMENDATION: REPLACE WITH NAMCO MODEL EA-180 LIMIT SWITCHES PRIOR TO FUEL LOADING
SERVICE DESCRIPTION: VALVE INDICATION								CENTRAL FILE: EQ-CEM-8
FUNCTION: AM	CHEMICAL SPRAY	BORON(BOR. ACID)5.0-9.0PH: 1750 PM	N/A	FSAR TABLE 3.11-1	N/A	N/A		
ACCURACY SPECIFIED:	RADIATION	33 MRADS (GAMMA)	N/A	RADIATION MAPS ZONE:CC	N/A	N/A		
ACCURACY DEMONS.:		327 MRADS (BETA)		G-144				
LOCATION: CONT. BUILDING ELEVATION: +21.0 FT.	AGING	40 YEARS + 1 YEAR ACCIDENT	N/A	FSAR PARAGRAPH 3.11.1	N/A			
FLOOD LEVEL EL: +0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/A	N/A	FSAR QUESTION 211.8	N/A			
COORDINATES: SE	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:	REFERENCES:							PREPARER:GB 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED								CHECKER :RQ 07/30/82 DATE
								SYSTEM:SAFETY INJECTION
								QDEF SHEET NO.-2117

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	130 DAYS	NONE	C-PSD-300	NONE	NONE		QUALIFIED LIFE IS:	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: SI-307	TEMPERATURE	115 F	NONE	HVAC TEMP MAPS G-137	NONE	NONE		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: NAMCO CO	PRESSURE	10 PSIG	NONE	FSAR TABLE 3.11-1	NONE	NONE			
MODEL AND SERIAL NUMBER: EA-170-110	RELATIVE HUMIDITY	120-90%	NONE	FSAR TABLE 3.11-1	NONE	NONE		CENTRAL FILE: EQ-CEM-8	
SERVICE DESCRIPTION: VALVE INDICATION	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A			
ACCURACY SPECIFIED:	RADIATION	16.7 M RADS	NONE	RADIATION DOSE MAPS ZONE: T G-137	NONE	NONE			
ACCURACY DEMONS.:	AGING	140 YEARS + 1 YEAR	NONE	FSAR PARAGRAPH 3.11.1	NONE				
LOCATION: RAB BUILDING ELEVATION: -35.0 FT.	SUBMERGENCE	N/A	N/A	FSAR QUESTION 211.8	N/A				
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL:									
COORDINATES: K;10A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS	OTHER EQUIPMENT THIS QDEF APPLIES TO:								REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:	REFERENCES:								PREPARER:GB 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED									CHECKER :RQ 07/30/82 DATE
									SYSTEM:SAFETY INJECTION
									QDEF SHEET NO.-2118

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	30 DAYS	NONE	C-PSD-300	NONE	NONE		QUALIFIED LIFE IS:	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: SI-306	TEMPERATURE	115 °	NONE	HVAC TEMP MAPS G-137	NONE	NONE		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: NAMCO CO	PRESSURE	0 PSIG	NONE	FSAR TABLE 3.11-1	NONE	NONE			
MODEL AND SERIAL NUMBER: EA-170-110	RELATIVE HUMIDITY	20-90%	NONE	FSAR TABLE 3.11-1	NONE	NONE		CENTRAL FILE: EQ-CEM-8	
SERVICE DESCRIPTION: VALVE INDICATION	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A			
FUNCTION: AM									
ACCURACY SPECIFIED:	RADIATION	6.7 M RADS	NONE	RADIATION DOSE MAPS ZONE: T G-137	NONE	NONE			
ACCURACY DEMONS.:	AGING	40 YEARS + 1 YEAR	NONE	FSAR PARAGRAPH 3.11.1	NONE	NONE			
LOCATION: RAB BUILDING ELEVATION: -35.0 FT.	ACCIDENT								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL:	SUBMERGENCE	N/A	N/A	FSAR QUESTION 211.8	N/A				
COORDINATES: K;10A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE! OTHER EQUIPMENT THIS QDEF APPLIES TO:								
ENVIRON'T IS	(IF REQUIRED)								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:									PREPARER: GB 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED	REFERENCES:								CHECKER : RQ 07/30/82 DATE
									SYSTEM: SAFETY INJECTION
									QDEF SHEET NO. -2119

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: SAFETY INJECTION	OPERATING TIME	1 HOUR	NONE	C-PSD-300	NONE	NONE		QUALIFIED LIFE IS:
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: SI-618	TEMPERATURE	414 F	NONE	LOCA/MSLB PROFILE TABLE 1	NONE	NONE		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: NAMCO CO	PRESSURE	44 PSIG	NONE	LOCA/MSLB PROFILE TABLE 1	NONE	NONE		
MODEL AND SERIAL NUMBER: D2400X-2	RELATIVE HUMIDITY	100%	NONE	FSAR TABLE 3.11-1	NONE	NONE		(1) RECOMMENDATION: REPLACE WITH NAMCO MODEL EA-180 LIMIT SWITCHES PRIOR TO FUEL LOADINGS.
SERVICE DESCRIPTION: VALVE OPEN/CLSD POS'N INDICAT'N	CHEMICAL SPRAY	BORON(BOR. ACID)5.0-9.0PH: 1750 2150 PPM	NONE	FSAR TABLE 3.11-1	NONE	NONE		CENTRAL FILE: EQ-CEM-B
FUNCTION: AM	RADIATION	33 MRADS (GAMMA) 327 MRADS (BETA)	NONE	RADIATION MAPS ZONE: CC G-144	NONE	NONE		
ACCURACY SPECIFIED:	AGING	40 YEARS + 1 YEAR ACCIDENT	NONE		NONE	NONE		
ACCURACY DEMONS.:								
LOCATION: CONT. BUILDING ELEVATION: +21.0 FT.								
FLOOD LEVEL EL: +.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/A	N/A	FSAR QUESTION 211.8	N/A			
COORDINATES: S-W; ENVIRON'T IS	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: UNQUALIFIED			O! T! P! H! C! R! A! S!	REFERENCES:				PREPARER: GB 07/30/82 DATE CHECKER : RQ 07/30/82 DATE
								SYSTEM: SAFETY INJECTION QDEF SHEET NO. -2120

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: SAFETY INJECTION	OPERATING TIME	1 HOUR	NONE	C-PSD-300	N/A	N/A		QUALIFIED LIFE IS:
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: SI-638	TEMPERATURE	1414 F	NONE	LOCA/MSLB PROFILE TABLE 1	N/A	N/A		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: NAMCO CO	PRESSURE	44 PSIG	NONE	LOCA/MSLB PROFILE TABLE 1	N/A	N/A		
MODEL AND SERIAL NUMBER: D2400X-2	RELATIVE HUMIDITY	100%	NONE	FSAR TABLE 3.11-1	N/A	N/A		((1)RECOMMENDATION: REPLACE WITH NAMCO MODEL EA-180 LIMIT SWITCHES PRIOR TO FUEL LOADING. CENTRAL FILE: EQ-CEM-8
SERVICE DESCRIPTION: VALVE OPEN/CLSD POS'N INDICAT'N	CHEMICAL SPRAY	BORON(BOR. ACID)5.0-9.0PH: 1750 2150 PPM	NONE	FSAR TABLE 3.11-1	N/A	N/A		
FUNCTION: AM								
ACCURACY SPECIFIED:	RADIATION	33 MRADS (GAMMA)	NONE	RADIATION MAPS ZONE:CC G-144	N/A	N/A		
ACCURACY DEMONS.:								
LOCATION: CONT. BUILDING ELEVATION: +21.0 FT.	AGING	40 YEARS + 1 YEAR ACCIDENT	NONE		N/A			
FLOOD LEVEL EL: +.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/A	NONE	FSAR QUESTION 211.8	N/A			
COORDINATES: N-E;	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
ENVIRON'T IS	OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:	REFERENCES:							PREPARER: GB 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED								CHECKER : RQ 07/30/82 DATE
								SYSTEM:SAFETY INJECTION
								QDEF SHEET NO. -2121

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	36 DAYS	NONE	C-PSD-300	NONE			QUALIFIED LIFE IS:
COMPONENT: ELEC/PNEUMATIC TRANSDUCER								
PLANT NUMBER: SI-306	TEMPERATURE	104 DEGF	NONE	HVAC TEMP MAPS	NONE			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: FISHER CONTINENTAL	PRESSURE	1 ATMOS.	NONE	FSAR TABLE 3.11-1	NONE			(1)RECOMMENDATION: REPLACE WITH QUALIFIED I/P TRANSDUCER PRIOR TO FUEL LOAD
MODEL AND SERIAL NUMBER: CONTINENTAL 546	RELATIVE HUMIDITY	20-90%	NONE	FSAR TABLE 3.11-1	NONE			CENTRAL FILE: EQ-CEM-10
SERVICE DESCRIPTION: SERVING VALVE SI-306	CHEMICAL SPRAY	NONE	N/A	N/A	N/A			
ACCURACY SPECIFIED: N/A	RADIATION	6.7 M RADS	NONE	RADIATION MAP ZONE:T DWG:G-137	NONE			
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 36 DAYS	NONE	FSAR PARAGRAPH 3.11.1	NONE			
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	SUBMERGENCE	N/R		FSAR QUESTION 211.8				
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)							
COORDINATES: K:10A	OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS HARSH	O! T! P! H! C! R! A! S!							
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:							
QUALIF STATUS: UNQUALIFIED	REVISION NO.-01 PREPARER:GB 07/30/82 DATE CHECKER :RQ 07/30/82 DATE SYSTEM:SAFETY INJECTION QDEF SHEET NO.-2122							

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	SAFETY INJECTION	OPERATING TIME	36 DAYS	NONE	C-PSD-300				QUALIFIED LIFE IS:
COMPONENT:	ELEC/PNEUMATIC TRANSDUCER								
PLANT NUMBER:	SI-307	TEMPERATURE	115 DEGF	NONE	HVAC TEMP MAPS				MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	FISHER CONTINENTAL	PRESSURE	1 ATMOS.	NONE	FSAR TABLE 3.11-1				(1)RECOMMENDATION: REPLACE WITH QUALIFIED I/P
MODEL AND SERIAL NUMBER:	CONTINENTAL 546	RELATIVE HUMIDITY	20-90%	NONE	FSAR TABLE 3.11-1				TRANSDUCER PRIOR TO FUEL LOAD
SERVICE DESCRIPTION:	SERVING VALVE SI-307								EQ-CEM-10
FUNCTION:	ACCIDENT MITIGATION	CHEMICAL SPRAY	NONE	N/A	N/A	N/A			
ACCURACY SPECIFIED:	N/A	RADIATION	6.7 M RADS	NONE	RADIATION MAP ZONE:T DWG:G-137				
ACCURACY DEMONS.:	N/A	AGING	40 YEARS PLUS 36 DAYS	NONE	FSAR PARAGRAPH 3.11.1				
LOCATION:	AUX BUILDING								
ELEVATION:	-35.0 FT.								
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/R		FSAR QUESTION 211.8				
ABOVE FLOOD LEVEL:	N/A								
COORDINATES:	K:10A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							REVISION NO.-01
ENVIRON'T IS HARSH									
EQUIPMENT EXEMPT FROM QUALIFICATION:NO									PREPARER:GB 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED					REFERENCES:				CHECKER :RQ 07/30/82 DATE
									SYSTEM:SAFETY INJECTION
									QDEF SHEET NO.-2123

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	OPERATING TIME	120 DAYS	120 DAYS PLUS 12 DAYS MARGIN	C-PSD-300	REFERENCE (1)	TEST & ANALYSIS		QUALIFIED LIFE IS: 40YR+120DAYS	
COMPONENT: LPSI PUMP A MOTOR									
PLANT NUMBER:	TEMPERATURE	104 DEGF	110 DEGF	TEMPERATURE MAPS G-137	REFERENCE (1)	TEST & ANALYSIS		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: STEWART-ALLIS	PRESSURE	1 ATMOS.	1 ATMOS.	FSAR TABLE 3.11-1	REFERENCE (1)	TEST & ANALYSIS		1) THERMAL AGING: 3700HRS @ 180 1500HRS @ 200 650HRS @ 220	
MODEL AND SERIAL NUMBER: T77 G 1218-541 20339-1	RELATIVE HUMIDITY	20% - 90%	100%	FSAR TABLE 3.11-1	REFERENCE (1)			CENTRAL FILE: EQ-CEM-2	
SERVICE DESCRIPTION: LPSI PUMP MOTOR	CHEMICAL SPRAY	NONE	N/A	N/A	REFERENCE (1)				
FUNCTION: ACCIDENT MITIGATION									
ACCURACY SPECIFIED: N/A	RADIATION	4.2 MRAD	200 MRAD	RADIATION MAPS ZONE-U G-137	REFERENCE (1)				
ACCURACY DEMONS.: N/A									
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	AGING	40 YEARS PLUS 120 DAYS POST DBA	SEE NOTE (1)	FSAR PARAGRAPH 3.11.1	REFERENCE (1)	TEST & ANALYSIS			
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	N/A	FSAR QUESTION 211.8	N/A				
ABOVE FLOOD LEVEL: N/A									
COORDINATES: K ; 9A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:								
ENVIRONMENT IS								REVISION NO. 01	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: GB 07/30/82 DATE	
QUALIF STATUS: QUALIFIED								CHECKER : RQ 07/30/82 DATE	
					REFERENCES: (1) SIEMENS-ALLIS REPORT NQ 890339-1, REVISION 0			SYSTEM:	
								QDEF SHEET NO.-2124	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	NONE	C-PSD-300	NONE			QUALIFIED LIFE IS:	
COMPONENT: HPSI PUMP A MOTOR				3.11-2					
PLANT NUMBER:	TEMPERATURE	104 DEGF POST DBA	NONE	TEMPERATURE MAP	NONE			MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: SIEMENS-ALLIS	PRESSURE	1 ATMOS.	NONE	FSAR TABLE	NONE			CENTRAL FILE: EQ-CEM-1	
MODEL AND SERIAL NUMBER: TYPE RS;S/N8-5 114-90206-1-1	RELATIVE HUMIDITY	20% - 90%	NONE	FSAR TABLE	NONE				
SERVICE DESCRIPTION: HPSI PUMP A DRIVER				3.11-1					
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A			
ACCURACY SPECIFIED: N/A	RADIATION	4.2 MRAD	NONE	RADIATION MAP	NONE				
ACCURACY DEMONS.: N/A				ZONE - U					
LOCATION: AUX BUILDING	AGING	40 YEARS PLUS	NONE	FSAR PARAGRAPH	N/A				
ELEVATION: -35.0 FT.		120 DAYS POST DBA		3.11.1					
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A			
ABOVE FLOOD LEVEL: N/A									
COORDINATES: K;6A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								
ENVIRON'T IS HARSH	OTHER EQUIPMENT THIS ODEF APPLIES TO:								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO	REFERENCES:								PREPARER: GR 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED									CHECKER: RQ 07/30/82 DATE
									SYSTEM: SAFETY INJECTION
									ODEF SHEET NO. -2125

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSISTENCY ANALYZED	NOTES
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM:	SAFETY INJECTION	OPERATING TIME	120 DAYS	NONE	C-PSD-300	NONE			QUALIFIED LIFE IS:
COMPONENT:	HPSI PUMP B MOTOR								
PLANT NUMBER:		TEMPERATURE	104 DEGF POST DBA	NONE	TEMPERATURE MAP	NONE			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER:	SIEMENS-ALLIS	PRESSURE	1 ATMOS.	NONE	FSAR TABLE 3.11-1	NONE			CENTRAL FILE: EQ-CEM-1
MODEL AND SERIAL NUMBER:	TYPE RG 8-5114-90206-1-2	RELATIVE HUMIDITY	20% - 90%	NONE	FSAR TABLE 3.11-1	NONE			
SERVICE DESCRIPTION:	MOTOR FOR SI PUMP	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
FUNCTION:	AM	RADIATION	4.2 MRAD	NONE	RADIATION MAP ZONE - U	NONE			
ACCURACY SPECIFIED:	N/A	AGING	40 YEARS PLUS	NONE	FSAR PARAGRAPH 3.11.1	N/A			
ACCURACY DEMONS.:	N/A		120 DAYS POST DBA						
LOCATION:	AUX BUILDING	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A		
ELEVATION:	-35.0 FT.								
FLOOD LEVEL EL:	N/A FEET								
ABOVE FLOOD LEVEL:	N/A								
COORDINATES:	K:6A	! INDEX FOR INCONSISTENCY !			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH		! ANALYSIS IN WORKFILE ! (IF REQUIRED)							REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO									PREPARER: GB 07/30/82
QUALIF STATUS: UNQUALIFIED									DATE
					REFERENCES:				CHECKER : RQ 07/30/82
									DATE
									SYSTEM: SAFETY INJECTION
									QDEF SHEET NO. -2126

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	NONE	C-PSD-300	NONE			QUALIFIED LIFE IS:
COMPONENT: HPSI PUMP A/B MOTOR								
PLANT NUMBER:	TEMPERATURE	104 DEGF POST DBA	NONE	TEMPERATURE MAP	NONE			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: SIEMENS-ALLIS	PRESSURE	1 ATMOS.	NONE	FSAR TABLE 3.11-1	NONE			CENTRAL FILES: EQ-CEM-1
MODEL AND SERIAL NUMBER: TYPE RG 8-5114-90206-1-3	RELATIVE HUMIDITY	20% - 90%	NONE	FSAR TABLE 3.11-1	NONE			
SERVICE DESCRIPTION: MOTOR FOR SI PUMP								
FUNCTION: AM	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED: N/A	RADIATION	4.2 MRAD	NONE	RADIATION MAP ZONE - U	NONE			
ACCURACY DEMONS.: N/A				DWG.G- 137				
LOCATION: AUX BUILDING	AGING	40 YEARS PLUS	NONE	FSAR PARAGRAPH 3.11.1	N/A			
ELEVATION: -35.0 FT.		120 DAYS POST DBA						
FLOOD LEVEL EL: N/A FEET	SUBMER- GENCE	NONE	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: K;7A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:			REVISION NO.-01	
ENVIRON'T IS HARSH							PREPARER:GB 07/30/82	
EQUIPMENT EXEMPT FROM QUALIFICATION: NO							DATE	
QUALIF STATUS: UNQUALIFIED				REFERENCES			CHECKER :RQ 07/30/82	
							DATE	
							SYSTEM:SAFETY	
							INJECTION	
							QDEF SHEET NO.-2127	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	120 DAYS	NONE	C-PSD-300	NONE			QUALIFIED LIFE IS:
COMPONENT: LPSI PUMP B MOTOR								
PLANT NUMBER:	TEMPERATURE	104 DEGF POST DBA	NONE	TEMPERATURE MAP	NONE			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: SIEMENS-ALLIS	PRESSURE	1 ATMOS.	NONE	FSAR TABLE 3.11-1	NONE			CENTRAL FILE: EQ -CEM-3
MODEL AND SERIAL NUMBER: TYPE G S/N 8-5117-90203-1-2	RELATIVE HUMIDITY	20% - 90%	NONE	FSAR TABLE 3.11-1	NONE			
SERVICE DESCRIPTION: MOTOR FOR LPSI PUMP	CHEMICAL SPRAY	NONE	N/A	N/A	N/A	N/A		
FUNCTION: AM	RADIATION	4.2 MRAD	NONE	RADIATION MAP ZONE - U	NONE			
ACCURACY SPECIFIED: N/A	AGING	40 YEARS PLUS	NONE	FSAR PARAGRAPH 3.11.1	N/A			
ACCURACY DEMONS.: N/A	LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	120 DAYS POST DBA						
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	NONE	N/A	N/A	N/A	N/A		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: K:9A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: GB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER :RQ 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED				REFERENCES:				SYSTEM: SAFETY INJECTION
								QDEF SHEET NO. -2128

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	36 HOURS	NONE	C-PSD-300	NONE	N/A		QUALIFIED LIFE IS:
COMPONENT: SOLENOID								
PLANT NUMBER: CH-510	TEMPERATURE	150 F	NONE	HVAC TEMP. MAPS G-137	NONE	N/A		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: AUTOMATIC SWITCH CO.	PRESSURE	10 PSIG	NONE	FSAR TABLE 3.11-1	NONE	N/A		(1)RECOMMENDATION: REPLACE WITH ASCO NP SERIES SOLENOID PRIOR TO FUEL LOADINGS.
MODEL AND SERIAL NUMBER: 8302027	RELATIVE HUMIDITY	20-90%	NONE	FSAR TABLE 3.11-1	NONE	N/A		
SERVICE DESCRIPTION: PNEUMATIC SIGNAL CONTROL VALVE								
FUNCTION: AM	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A		CENTRAL FILE: EQ-CEM-7
ACCURACY SPECIFIED:	RADIATION DOSE	80,000 RADS	NONE	RADIATION DOSE MAPS ZONE C G-137	NONE	N/A		
ACCURACY DEMONS.:								
LOCATION: RAB BUILDING ELEVATION: -35.0 FT.	AGING	40 YEARS + 1 YEAR ACCIDENT	NONE	FSAR PARA. 3.11.1	NONE			
FLOOD LEVEL EL: 0.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/A	N/A	FSAR QUESTION 211.8	N/A			
COORDINATES: H,5A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED) OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS HARSH								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:								PREPARER:GB 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED				REFERENCES:				CHECKER :RQ 07/30/82 DATE
								SYSTEM:CHEMICAL AND VOLUME CONTROL
								QDEF SHEET NO.-2129

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	36 HOURS	NONE	C-PSD-300	NONE			QUALIFIED LIFE IS:
COMPONENT: SOLENOID								
PLANT NUMBER: CH-511	TEMPERATURE	150 F	NONE	HVAC TEMP. MAPS G-137	NONE			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: AUTOMATIC SWITCH CO.	PRESSURE	ATMOSPHERIC	NONE	FSAR TABLE 3.11-1	NONE			((1)RECOMMENDATION: REPLACE WITH ASCO NP SERIES SOLENOID PRIOR TO FUEL LOADINGS.
MODEL AND SERIAL NUMBER: 8302027	RELATIVE HUMIDITY	90%	NONE	FSAR TABLE 3.11-1	NONE			
SERVICE DESCRIPTION: PNEUMATIC SIGNAL CONTROL VALVE								CENTRAL FILE: EQ-CEM-7
FUNCTION: AM	CHEMICAL SPRAY	N/A	N/A	N/A	N/A			
ACCURACY SPECIFIED:	RADIATION	800.000 RADS	NONE	RADIATION DOSE MAPS ZONE C DWG G-137	NONE			
ACCURACY DEMONS.:	AGING	40 YEARS + 1 YEAR	NONE	FSAR PARA. 3.11.1	N/A			
LOCATION: RAB BUILDING ELEVATION: -35.0 FT.	ACCIDENT							
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL:	SUBMERGENCE	N/A	N/A	FSAR QUESTION 211.8	N/A			
COORDINATES: H,5A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS								PREPARER:GB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER :RQ 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED				REFERENCES:				SYSTEM:CHEMICAL AND VOLUME CONTROL QDEF SHEET NO.-2130

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	36 HOURS	NONE	FSAR TABLE 3.11-2	NONE			QUALIFIED LIFE IS:
COMPONENT: SOLENOID				C-PSD-300				
PLANT NUMBER: CH-512	TEMPERATURE	150 F	NONE	HVAC TEMP. MAPS G-137	NONE			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: AUTOMATIC SWITCH CO.	PRESSURE	10 PSIG	NONE	FSAR TABLE 3.11-1	NONE			(1)RECOMMENDATION: REPLACE WITH ASCO NP SERIES SOLENOID PRIOR TO FUEL LOADINGS.
MODEL AND SERIAL NUMBER: 302027	RELATIVE HUMIDITY	20-90%	NONE	FSAR TABLE 3.11-1	NONE			
SERVICE DESCRIPTION: PNEUMATIC SIGNAL CONTROL VALVE								
FUNCTION: AM	CHEMICAL SPRAY	N/A	N/A	N/A	N/A			CENTRAL FILE: EQ-CEM-7
ACCURACY SPECIFIED:	RADIATION	1800,000 RADS	NONE	RADIATION DOSE MAPS ZONE C DWG G-137	NONE			
ACCURACY DEMONS.:								
LOCATION: RAB BUILDING ELEVATION: -35.0 FT.	AGING	40 YEARS + 1 YEAR ACCIDENT	NONE	FSAR PARA. 3.11.1	NONE			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL:	SUBMERGENCE	N/A	N/A	FSAR QUESTION 211.8	N/A			
COORDINATES: H,5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:			REVISION NO. -C1	
ENVIRON'T IS							PREPARER: GB 07/30/82 DATE	
EQUIPMENT EXEMPT FROM QUALIFICATION:							CHECKER :RQ 07/30/82 DATE	
QUALIF STATUS: UNQUALIFIED				REFERENCES:			SYSTEM: CHEMICAL AND VOLUME CONTROL QDEF SHEET NO. -2131	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	36 HOURS	NONE	FSAR TABLE 3.11-2	NONE			QUALIFIED LIFE IS:
COMPONENT: LIMIT SWITCH				C-PSD-300				
PLANT NUMBER: CH-510	TEMPERATURE	130 F	NONE	HVAC TEMP. MAPS G-137	NONE			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: NAMCO CO	PRESSURE	10 PSIG	NONE	FSAR TABLE 3.11-1	NONE			
MODEL AND SERIAL NUMBER: D-2400X-2	RELATIVE HUMIDITY	20-90 %	NONE	FSAR TABLE 3.11-1	NONE			((1)RECOMMENDATION: REPLACE WITH NAMCO MODEL EA-180 -LIMIT SWITCHES PRIOR TO FUEL LOADINGS.
SERVICE VALVE DESCRIPTION: INDICATION	CHEMICAL SPRAY	N/A	N/A	N/A	N/A			CENTRAL FILE: EQ-CEM-8
ACCURACY SPECIFIED:	RADIATION	800,000 RADS	NONE	RADIATION MAPS ZONE: G-137	NONE			
ACCURACY DEMONS.:	AGING	40 YEARS + 1 YEAR	NONE	FSAR PARAGRAPH 3.11.1	NONE			
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	SUBMERGENCE	N/A	N/A	FSAR QUESTION 211.8	N/A			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL:								
COORDINATES: H-5A	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION:								PREPARER: GB 07/30/82 DATE
QUALIF STATUS:								CHECKER :RQ 07/30/82 DATE
				REFERENCES:				
								SYSTEM: CHEMICAL AND VOLUME CONTROL
								QDEF SHEET NO. -2132

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	36 HOURS	NONE	C-PSD-300	NONE			QUALIFIED LIFE IS:
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: CH-511	TEMPERATURE	150 F	NONE	HVAC TEMP. MAPS G-137	NONE			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: NAMCO CO	PRESSURE	0 PSIG	NONE	FSAR TABLE 3.11-1	NONE			(1)RECOMMENDATION: REPLACE WITH NAMCO MODEL EA-180
MODEL AND SERIAL NUMBER: D-2400X-2	RELATIVE HUMIDITY	20-90%	NONE	FSAR TABLE 3.11-1	NONE			LIMIT SWITCHES PRIOR TO FUEL LOADINGS.
SERVICE VALVE DESCRIPTION: INDICATION								
FUNCTION: AM	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A		CENTRAL FILE: EQ-CEM-8
ACCURACY SPECIFIED:	RADIATION	800,000 RADS	NONE	RADIATION MAPS ZONE: C G-137	NONE			
ACCURACY DEMONS.:	AGING	40 YEARS + 1 YEAR	NONE	FSAR PARAGRAPH 3.11.1	NONE			
LOCATION: RAB BUILDING ELEVATION: -35.0 FT.	ACCIDENT							
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	N/A	FSAR QUESTION 211.8	N/A	N/A		
ABOVE FLOOD LEVEL:								
COORDINATES: H,5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS								PREPARER: GB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER: RQ 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED				REFERENCES:				SYSTEM: CHEMICAL AND VOLUME CONTROL
								QDEF SHEET NO.-2133

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	36 HOURS	NONE	C-PSD-300	NONE			QUALIFIED LIFE IS:	
COMPONENT: LIMIT SWITCH									
PLANT NUMBER: CH-512	TEMPERATURE	150 F	NONE	HVAC TEMP. MAPS G-137	NONE			MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: NAMCO CO	PRESSURE	10 PSIG	NONE	FSAR TABLE 3.11-1	NONE			(1)RECOMMENDATION: REPLACE WITH NAMCO MODEL EA-180	
MODEL AND SERIAL NUMBER: D-2400X-2	RELATIVE HUMIDITY	90%	NONE	FSAR TABLE 3.11-1	NONE			LIMIT SWITCHES PRIOR TO FUEL LOADINGS. CENTRAL FILE EQ-CEM-8	
SERVICE DESCRIPTION: VALVE INDICATION	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A			
ACCURACY SPECIFIED:	RADIATION	800,000 RADS	NONE	RADIATION MAPS ZONE: C G-137	NONE				
ACCURACY DEMONS.:	AGING	40 YEARS + 1 YEAR ACCIDENT	NONE	FSAR PARAGRAPH 3.11.1	NONE				
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.	SUBMERGENCE	N/A	N/A	FSAR QUESTION 211.8	N/A	N/A			
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL:									
COORDINATES: H,4A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)								REVISION NO.-01
ENVIRONMENT IS								PREPARER:GB 07/30/82 DATE	
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER :RQ 07/30/82 DATE	
QUALIF STATUS: UNQUALIFIED				REFERENCES:				SYSTEM:CHEMICAL AND VOLUME CONTROL	
								QDEF SHEET NO.-2134	

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	!!120 DAYS	! NONE		NONE	!	!	! QUALIFIED LIFE IS:
COMPONENT: SOLENOID		!!	!	C-PSD-300	!	!	!	
PLANT NUMBER: CH-515	TEMPERATURE	!!414 F	! NONE	MSLB/LOCA PROFILE TABLE 1	NONE	!	!	MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: AUTOMATIC SWITCH CO.	PRESSURE	!!44 PSIG	! NONE	MSLB/LOCA PROFILE TABLE 1	NONE	!	!	! (1)RECOMMENDATION: REPLACE WITH ASCO INP SERIES SOLENOID
MODEL AND SERIAL NUMBER: 8302027	RELATIVE HUMIDITY	!!100%	! NONE	FSAR TABLE 3.11-1	NONE	!	!	! PRIOR TO FUEL LOADING.
SERVICE DESCRIPTION: PNEUMATIC SINGLE TO CONTROL VLV		!!	!			!	!	
FUNCTION: AM	CHEMICAL SPRAY	!!N/A	! N/A	FSAR TABLE 3.11-1	N/A	! N/A	!	CENTRAL FILE: EQ-CEM-7
ACCURACY SPECIFIED:	RADIATION	!!33 MRAD (GAMMA)	! NONE	RADIATION MAPS ZONE:CC G-144	NONE	!	!	
ACCURACY DEMONS.:		!!327 MRAD (BETA)	!			!	!	
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.	AGING	!!40 YEARS + 1 YEAR ACCIDENT	! NONE	FSAR PARAGRAPH 3.11.1	NONE	!	!	
FLOOD LEVEL EL: +.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	!!N/A	! N/A	FSAR QUESTION 211.8	NA	! N/A	!	
COORDINATES:	! INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:			!	!
ENVIRON'T IS HARSH			!			!	!	! REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:			D!			!	!	! PREP'ER:GB 07/30/82
QUALIF STATUS: UNQUALIFIED			T!			!	!	! DATE
			P!	REFERENCES:		!	!	! CHECKER :RQ 07/30/82
			H!			!	!	! DATE
			C!			!	!	!
			R!			!	!	! SYSTEM:CHEMICAL AND
			A!			!	!	! VOLUME CONTROL
			S!			!	!	! QDEF SHEET NO.-2135

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS	NONE	C-PSD-300	NONE			QUALIFIED LIFE IS:
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: CH-515	TEMPERATURE	414 F	NONE	MSLB/LOCA PROFILE TABLE 1	NONE			MAINTENANCE / REPLACEMENT SCHED:
MANUFACTURER: NAMCO CO	PRESSURE	44 PSIG	NONE	MSLB/LOCA PROFILE TABLE 1	NONE			
MODEL AND SERIAL NUMBER: D-4200X-2	RELATIVE HUMIDITY	100%	NONE	FSAR TABLE 3.11-1	NONE			(1)RECOMMENDATION: REPLACE WITH NAMCO MODEL EA-180 LIMIT SWITCHES PRIOR TO FUEL LOADING.
SERVICE VALVE DESCRIPTION: INDICATION	CHEMICAL SPRAY	BORON(BOR. ACID)5.0-9.0PH: 1750 2150 PPM	NONE	FSAR TABLE 3.11-1	NONE			CENTRAL FILES: EQ-CEM-8
ACCURACY SPECIFIED:	RADIATION	33 MRAD (GAMMA)	NONE	RADIATION MAPS ZONE:CC G-144	NONE			
ACCURACY DEMONS.:	AGING	40 YEARS + 1 YEAR	NONE	FSAR PARAGRAPH 3.11.1	NONE			
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.	ACCIDENT							
FLOOD LEVEL EL: +.5 FEET ABOVE FLOOD LEVEL: YES	SUBMERGENCE	0.5 FT	N/A	FSAR QUESTION 211.8	N/A	N/A		
COORDINATES:	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: Gb 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:								CHECKER : RQ 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED				REFERENCES:				SYSTEM: CHEMICAL AND VOLUME CONTROL QDEF SHEET NO. -2136

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION			QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY	ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS	120 DAYS	C-PSD-300	LIMITORQUE	TYPE		YES	QUALIFIED
COMPONENT: MOTOR OPERATOR					B0058	TEST			LIFE IS:
					B0003				40+1 YR ACC.
					FIG. 1, P. 15				
PLANT NUMBER: CH-501	TEMPERATURE	120 DEGF	250 DEGF	HVAC TEMP MAPS	LIMITORQUE	-			MAINTENANCE / REPLACEMENT SCHD:
				DWG NO: G-136	BOC58				APP. A TO
					B0003				LIMITORQUE
MANUFACTURER: LIMITORQUE	PRESSURE	1 ATMOS.	1 ATMOS.	FSAR TABLE	LIMITORQUE	-			REPORT #
				3.11-1	B0058				BO058 REF(1)
					B0003				((1)OPERATE ONCE
					P. 7				PER 6 MONTHS
MODEL AND SERIAL NUMBER: SMB-00	RELATIVE HUMIDITY	20% - 90%	100%	FSAR TABLE	LIMITORQUE	-			((2)LUBRICATE ONCE
SERVICE DESCRIPTION: OPEN & CLOSE VALVE CH-501					B0058				PER YEAR
					B0003				CENTRAL FILE:
					P. 7				EQ-CEM-9
FUNCTION: A.M.	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A			
ACCURACY SPECIFIED: N/A	RADIATION	32 MRADS	20 MRAD	RADIATION MAPS	LIMITORQUE	TYPE			
				ZONE: Q	B0058	TEST			
ACCURACY DEMONS.: N/A				DWG: G-136	B0003				
					P. 8				
LOCATION: AUX BUILDING	AGING	40 YEARS PLUS	40 YEARS + ACCIDENT	FSAR PARAGRAPH	LIMITORQUE				
ELEVATION: -4.0 FT.		120 DAYS		3.11.1	B0058	ANALY			
		POST DBA			B0003	SIS			
					P31, P15				
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	N/A	FSAR QUESTION	N/A	N/A			
ABOVE FLOOD LEVEL: N/A				211.8					
COORDINATES: J;1A	INDEX FOR INCONSISTENCY!								
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)								OTHER EQUIPMENT THIS QDEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS M-7								
QUALIF STATUS: QUALIFIED									REFERENCES: (1) LIMITORQUE CORP. REPORT
									# B0003 : APPENDIX D TO REPORT
									# B0058
									REVISION NO. - 0
									PREPARER: GB 07/30/82
									DATE
									CHECKER : RQ 07/30/82
									DATE
									SYSTEM: CHEMICAL AND VOLUME CONTROL
									QDEF SHEET NO.-2137

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS	120 DAYS	C-PSD-300	LIMITORQUE	TYPE	YES	QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: MOTOR OPERATOR					B0058 B0003 FIG. 1, P. 15	TEST		
PLANT NUMBER: CH-509	TEMPERATURE	150 DEGF	250 DEGF	HVAC TEMP MAPS: G-137	LIMITORQUE	-		MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # B0058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	1 ATMOS.	1 ATMOS.	FSAR TABLE	LIMITORQUE	-		
MODEL AND SERIAL NUMBER: SMB-00				3.11-1	B0058 B0003 P. 7			((1) OPERATE ONCE PER 6 MONTHS ((2) LUBRICATE ONCE PER YEAR
SERVICE DESCRIPTION: OPEN & CLOSE VALVE CH-509	RELATIVE HUMIDITY	20% - 90%	100%	FSAR TABLE	LIMITORQUE	-		CENTRAL FILE: EQ-CEM-9
				3.11-1	B0058 B0003 P. 7			
FUNCTION: A.M.	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED: N/A	RADIATION	32 M RADS	20 MRADS	RADIATION MAPS	LIMITORQUE	TYPE		
ACCURACY DEMONS.: N/A				ZONE: Q	B0058 B0003	TEST		
				DWG: G-136	P. 8			
LOCATION: AUX BUILDING	AGING	140 YEARS	140 YEARS	FSAR PARAGRAPH	LIMITORQUE	ANALY-		
ELEVATION: -35.0 FT.	+ ACCIDENT		+ ACCIDENT	3.11.1	B0058 B0003 P31, P15	SIS		
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	N/A	FSAR QUESTION	N/A	N/A		
ABOVE FLOOD LEVEL: N/A				211.8				
COORDINATES: H;5A	INDEX FOR INCONSISTENCY!							
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS ODEF APPLIES TO:
EQUIPMENT EXEMPT FROM QUALIFICATION: QUALIF STATUS: QUALIFIED	ANALYSIS M-7							REFERENCES: (1) LIMITORQUE CORP. REPORT # B0003 : APPENDIX D TO REPORT # B0058
	O! T! P! H! C! R! A! S!							REVISION NO. -01 PREPARER: GB 07/30/82 DATE CHECKER : RQ 07/30/82 DATE SYSTEM: CHEMICAL AND VOLUME CONTROL ODEF SHEET NO. -2138

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS	120 DAYS	C-PSD-300	LIMITORQUE	TYPE TEST	YES	QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: MOTOR OPERATOR								
PLANT NUMBER: CH-504	TEMPERATURE	150 DEGF	250 DEGF	HVAC TEMP MAPS G-137	LIMITORQUE			MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	1 ATMOS.	1 ATMOS.	FSAR TABLE 3.11-1	LIMITORQUE			
MODEL AND SERIAL NUMBER: SMB-00								((1) OPERATE ONCE PER 6 MONTHS ((2) LUBRICATE ONCE PER YEAR
SERVICE DESCRIPTION: OPEN & CLOSE VALVE CH-509	RELATIVE HUMIDITY	20% - 90%	100%	FSAR TABLE 3.11-1	LIMITORQUE			CENTRAL FILE: EQ-CEM-9
FUNCTION: A.M.	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED: N/A	RADIATION	800,000	20 MRADS	RADIATION MAPS ZONE: C DWG: G-137	LIMITORQUE	TYPE TEST		
ACCURACY DEMONS.: N/A	AGING	140 YEARS	140 YEARS	FSAR PARAGRAPH 3.11.1	LIMITORQUE	ANALYSIS		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	N/A	FSAR QUESTION		N/A		
ABOVE FLOOD LEVEL: N/A				211.8				
COORDINATES: H:4A	! INDEX FOR INCONSISTENCY!			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH	ANALYSIS IN WORKFILE (IF REQUIRED)							PREPARER: GB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:	ANALYSIS M-7			O!				CHECKER: RQ 07/30/82 DATE
QUALIF STATUS: QUALIFIED				H!				SYSTEM: CHEMICAL AND VOLUME CONTROL
				C!				QDEF SHEET NO. -2139
				R!				
				A!				
				S!				
				REFERENCES: (1) LIMITORQUE CORP. REPORT # BO003 : APPENDIX D TO REPORT # BO058				

EQUIPMENT DESCRIPTION		ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES	
		PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED		
SYSTEM:	CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS	120 DAYS	C-PSD-300	LIMITORQUE	TYPE TEST	YES	QUALIFIED LIFE IS: 40+1 YR ACC.	
COMPONENT:	MOTOR OPERATOR					BOC58 B0003 FIG. 1, P. 15				
PLANT NUMBER:	CH-508	TEMPERATURE	150 DEGF	250 DEGF	HVAC TEMP MAPS G-137	LIMITORQUE B0058 B0003 FIG. 1			MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # B0058 REF(1)	
MANUFACTURER:	LIMITORQUE	PRESSURE	1 ATMOS.	1 ATMOS.	FSAR TABLE	LIMITORQUE B0058 B0003 P. 7				
MODEL AND SERIAL NUMBER:	SMB-00	RELATIVE HUMIDITY	20% - 90%	100%	FSAR TABLE	LIMITORQUE B0058 B0003 P. 7			(1) OPERATE ONCE PER 6 MONTHS (2) LUBRICATE ONCE PER YEAR	
SERVICE DESCRIPTION:	OPEN & CLOSE VALVE CH-508								CENTRAL FILE: EQ-CEM-9	
FUNCTION:	A.M.	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A			
ACCURACY SPECIFIED:	N/A	RADIATION	800,000 RADS	20 MRADS	RADIATION MAPS ZONE: C 137 DWG: G-136	LIMITORQUE B0058 B0003 P. 8	TYPE TEST			
ACCURACY DEMONS.:	N/A	AGING	40 YEARS + ACCIDENT	40 YEARS + ACCIDENT	FSAR PARAGRAPH 3.11.1	LIMITORQUE B0058 B0003 P31, P15	ANALY SIS			
LOCATION:	AUX BUILDING									
ELEVATION:	-35.0 FT.									
FLOOD LEVEL EL:	N/A FEET	SUBMERGENCE	N/A	N/A	FSAR QUESTION	N/A	N/A			
ABOVE FLOOD LEVEL:	N/A				211.8					
COORDINATES:	H;5A	! INDEX FOR INCONSISTENCY! ! ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO: ! (IF REQUIRED) !								REVISION NO. -01
ENVIRON'T IS HARSH		ANALYSIS M-7	O!						PREPARER: GB 07/30/82 DATE	
EQUIPMENT EXEMPT FROM QUALIFICATION:			T!						CHECKER: RQ 07/30/82 DATE	
QUALIF STATUS:	QUALIFIED		P!		REFERENCES: (1) LIMITORQUE CORP. REPORT # B0003 : APPENDIX D TO REPORT # B0058				SYSTEM: CHEMICAL AND VOLUME CONTROL QDEF SHEET NO. -2140	
			H!							
			C!							
			R!							
			A!							
			S!							

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	120 DAYS	120 DAYS	C-PSD-300	LIMITORQUE	TYPE TEST	YES	QUALIFIED LIFE IS: 40+1 YR ACC.
COMPONENT: MOTOR OPERATOR								
PLANT NUMBER: CH-514	TEMPERATURE	150 DEGF	250 DEGF	HVAC TEMP MAPS G-137	LIMITORQUE			MAINTENANCE / REPLACEMENT SCHD: APP. A TO LIMITORQUE REPORT # BO058 REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	1 ATMOS.	1 ATMOS.	FSAR TABLE 3.11-1	LIMITORQUE			
MODEL AND SERIAL NUMBER: SMB-00	RELATIVE HUMIDITY	20% - 90%	100%	FSAR TABLE 3.11-1	LIMITORQUE			((1)OPERATE ONCE PER 6 MONTHS ((2)LUBRICATE ONCE PER YEAR
SERVICE DESCRIPTION: OPEN & CLOSE VALVE CH-514								CENTRAL FILE: EQ-CEM-9
FUNCTION: A.M.	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED: N/A	RADIATION	800,000 RADS	20 MRADS	RADIATION MAPS ZONE:C DWG: G-137	LIMITORQUE	TYPE TEST		
ACCURACY DEMONS.: N/A	AGING	40 YEARS	40 YEARS	FSAR PARAGRAPH 3.11.1	LIMITORQUE	ANALY SIS		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	FSAR QUESTION 211.8	LIMITORQUE	N/A	N/A	
COORDINATES: H:4A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH	ANALYSIS M-7	O	T					PREPARER:GB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION:		P	H	REFERENCES: (1) LIMITORQUE CORP. REPORT # BO003 : APPENDIX D TO REPORT # BO058				CHECKER :RQ 07/30/82 DATE
QUALIF STATUS: QUALIFIED		C	R					SYSTEM:CHEMICAL AND VOLUME CONTROL QDEF SHEET NO.-2141
		A	S					

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES	
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.				
SYSTEM:	OPERATING TIME	120 DAYS	NONE	C-PSD-300	NONE	NONE		QUALIFIED LIFE IS:	
COMPONENT: CHARGING PUMP MOTOR A									
PLANT NUMBER:	TEMPERATURE	104 DEGF POST DBA	NONE	HVAC TEMP. MAPS G-137	NONE	NONE		MAINTENANCE / REPLACEMENT SCHD:	
MANUFACTURER: GENERAL ELECTRIC	PRESSURE	1 ATMOS.	NONE	FSAR TABLE 3.11-1	NONE	NONE		CENTRAL FILE EQ-CEM-4	
MODEL AND SERIAL NUMBER: 5KG404AK238V	RELATIVE HUMIDITY	20% - 90%	NONE	FSAR TABLE 3.11-1	NONE	NONE			
SERVICE DESCRIPTION: CHARGING PUMP MOTOR	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A			
FUNCTION: AM	RADIATION	8.9 MRAD	NONE	RADIATION MAP ZONE -S DWG.G- 137	NONE	NONE			
ACCURACY SPECIFIED: N/A	AGING	40 YEARS + ACCIDENT	NONE	FSAR PARAGRAPH 3.11.1	NONE	NONE			
ACCURACY DEMONS.: N/A	SUBMERGENCE	N/A	N/A	FSAR QUESTION 211.8	N/A	N/A			
LOCATION: AUX BUILDING ELEVATION: -30.0 FT.	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)							OTHER EQUIPMENT THIS QDEF APPLIES TO:	REVISION NO. -01
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	ENVIRON'T IS HARSH							REFERENCES:	PREPARER: RH 07/30/82 DATE
COORDINATES: J;1A	EQUIPMENT EXEMPT FROM QUALIFICATION: NO QUALIF STATUS: UNQUALIFIED								CHECKER :RQ 07/30/82 DATE
									SYSTEM:
									QDEF SHEET NO. -2142

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	OPERATING TIME	120 DAYS	NONE	C-PSD-300	NONE	NONE		QUALIFIED LIFE IS:
COMPONENT: CHARGING PUMP MOTOR B								
PLANT NUMBER:	TEMPERATURE	104 DEGF POST DBA	NONE	HVAC TEMP. MAPS G-137	NONE	NONE		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: GENERAL ELECTRIC	PRESSURE	1 ATMOS.	NONE	FSAR TABLE 3.11-1	NONE	NONE		CENTRAL FILE EQ-CEM-4
MODEL AND SERIAL NUMBER: 5KG404AK238V	RELATIVE HUMIDITY	20% - 90%	NONE	FSAR TABLE 3.11-1	NONE	NONE		
SERVICE DESCRIPTION: CHARGING PUMP MOTOR B	CHEMICAL SPRAY							
FUNCTION: AM								
ACCURACY SPECIFIED: N/A	RADIATION	8.9 MRAD	NONE	RADIATION MAP ZONE -S DWG.G- 137	NONE	NONE		
ACCURACY DEMONS.: N/A	AGING	40 YEARS + ACCIDENT	NONE	FSAR PARAGRAPH 3.11.1	NONE	NONE		
LOCATION: AUX BUILDING ELEVATION: -30.0 FT.	SUBMERGENCE	N/A	N/A	FSAR QUESTION 211.8	N/A	N/A		
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A								
COORDINATES: J;3A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: RH 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER :RQ 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED				REFERENCES:				SYSTEM:
								QDEF SHEET NO. -2143

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM:	OPERATING TIME	120 DAYS	NONE	C-PSD-300	NONE	NONE		QUALIFIED LIFE IS:
COMPONENT: CHARGING PUMP MOTOR A/B								
PLANT NUMBER:	TEMPERATURE	104 DEGF POST DBA	NONE	HVAC TEMP. MAPS G-137	NONE	NONE		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: GENERAL ELECTRIC	PRESSURE	1 ATMOS.	NONE	FSAR TABLE 3.11-1	NONE	NONE		CENTRAL FILE EQ-CEM-4
MODEL AND SERIAL NUMBER: 5KG404AK236V	RELATIVE HUMIDITY	20% - 90%	NONE	FSAR TABLE 3.11-1	NONE	NONE		
SERVICE DESCRIPTION: CHARGING PUMP A/B MOTOR	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A		
FUNCTION: AM	RADIATION	8.9 MRAD	NONE	RADIATION MAP ZONE -S DWG.G- 137	NONE	NONE		
ACCURACY SPECIFIED: N/A	AGING	40 YEARS + ACCIDENT	NONE	FSAR PARAGRAPH 3.11.1	NONE	NONE		
ACCURACY DEMONS.: N/A	SUBMERGENCE	N/A		FSAR QUESTION 211.8				
LOCATION: AUX BUILDING								
ELEVATION: -30.0 FT.								
FLOOD LEVEL EL: N/A FEET								
ABOVE FLOOD LEVEL: N/A								
COORDINATES: J:4A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: RH 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER :RQ 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED				REFERENCES:				SYSTEM:
								QDEF SHEET NO. -2144

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	86 HRS	NONE	C-PSD-300	NONE	NONE		QUALIFIED LIFE IS:
COMPONENT: BORIC ACID MAKE UP PUMP A								
PLANT NUMBER:	TEMPERATURE	150 DEGF	150 DEGF	HVAC TEMPERATURE MAPS DWG. G-137	NONE	NONE		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WESTINGHOUSE	PRESSURE	1 ATMOS.	NONE	FSAR TABLE 3.11-1	NONE	NONE		CENTRAL FILE EQ-CEM-5
MODEL AND SERIAL NUMBER: TYPE: LIFELINE	RELATIVE HUMIDITY	20% - 90%	NONE	FSAR TABLE 3.11-1	NONE	NONE		
SERVICE DESCRIPTION: BOR. ACID MK UP PUMP A MOTOR								
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED: N/A	RADIATION	800,000 RADS	NONE	RADIATION MAP ZONE -C DWG. G-137	NONE	NONE		
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 86 HRS	NONE	FSAR PARAGRAPH 3.11.1	NONE	NONE		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.								
FLOOD LEVEL EL: N/A FEET	SUBMERGENCE	N/A	N/A	FSAR QUESTION 211.8	N/A	N/A		
ABOVE FLOOD LEVEL: N/A								
COORDINATES: H:5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				
ENVIRON'T IS HARSH								REVISION NO. -01
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								PREPARER: RH 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED								CHECKER: RQ 07/30/82 DATE
				REFERENCES:				
								SYSTEM: CHEMICAL AND VOLUME CONTROL
								QDEF SHEET NO.-2145

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: CHEMICAL AND VOLUME CONTROL	OPERATING TIME	86 HRS	NONE	C-PSD-300	NONE	NONE		QUALIFIED LIFE IS:
COMPONENT: BORIC ACID MAKE UP PUMP B								
PLANT NUMBER:	TEMPERATURE	150 DEGF	150 DEGF	HVAC TEMPERATURE MAPS DWG. G-137	NONE	NONE		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: WESTINGHOUSE	PRESSURE	1 ATMOS.	NONE	FSAR TABLE 3.11-1	NONE	NONE		CENTRAL FIG EQ-CEM-5
MODEL AND SERIAL NUMBER: TYPE: LIFELINE T	RELATIVE HUMIDITY	20% - 90%	NONE	FSAR TABLE 3.11-1	NONE	NONE		
SERVICE DESCRIPTION: BOR. ACID MK UP PUMP B MOTOR								
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A		
ACCURACY SPECIFIED: N/A	RADIATION	800,000 RADS	NONE	RADIATION MAP ZONE -C DWG. G-137	NONE	NONE		
ACCURACY DEMONS.: N/A	AGING	40 YEARS PLUS 86 HRS	NONE	FSAR PARAGRAPH 3.11.1	NONE	NONE		
LOCATION: AUX BUILDING ELEVATION: -35.0 FT.								
FLOOD LEVEL EL: N/A FEET ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	FSAR QUESTION 211.B	N/A	N/A		
COORDINATES: H:5A	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER: RH 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER :RQ 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED				REFERENCES:				SYSTEM: CHEMICAL AND VOLUME CONTROL QDEF SHEET NO.-2146

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	1 HOUR	NONE	C-PSD-300	N/A	N/A		QUALIFIED LIFE IS:
COMPONENT: SOLENOID								
PLANT NUMBER: SI-638	TEMPERATURE	414 DEGF	NONE	LOCA/MSLB PROFILE TABLE 1	N/A	N/A		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: AUTOMATIC SWITCH CO.	PRESSURE	44 PSIG	NONE	LOCA/MSLB PROFILE TABLE 1	N/A	N/A		((1)RECOMMENDATION: REPLACE WITH ASCO INP SERIES
MODEL AND SERIAL NUMBER: 8302027								
SERVICE DESCRIPTION: PNEU.SIGNAL TO CONTROL VALVE	RELATIVE HUMIDITY	100 %	NONE	FSAR TABLE 3.11-1	N/A	N/A		FUEL LOADINGS. CENTRAL FILE EQ-CEM-7
FUNCTION: ACCIDENT MITIGATION	CHEMICAL SPRAY	1750-2500 PPM BORON AS BRC ACD PH-5.0-9.0	NONE	N/A	N/A	N/A		
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS (GAMMA)	NONE	RADIATION DOSE MAPS	N/A	N/A		
ACCURACY DEMONS.: N/A		327M RADS (BETA)		ZONE-CC DWG.G-144				
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.	AGING	40 YEARS PLUS 1 HOUR POST DBA	NONE	FSAR PARAGRAPH 3.11.1	N/A	N/A		
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	N/A	FSAR QUESTION 211.8	N/A	N/A		
ABOVE FLOOD LEVEL: YES								
COORDINATES: N-W;	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO.-01
ENVIRON'T IS HARSH								PREPARER:GB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER :RQ C7/30/82 DATE
QUALIF STATUS: UNQUALIFIED;REPLACE WITH ASCO NP SERIES SOLENOID PRIOR TO FUEL LOAD				REFERENCES:				SYSTEM:SAFETY INJECTION QDEF SHEET NO.-2147

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: SAFETY INJECTION	OPERATING TIME	1 HOUR	NONE	C-PSD-300	N/A	N/A		QUALIFIED LIFE IS:
COMPONENT: SOLENOID								
PLANT NUMBER: SI-628	TEMPERATURE	414 DEGF	NONE	LOCA/MSLB PROFILE TABLE 1	N/A	N/A		MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: AUTOMATIC SWITCH CO.	PRESSURE	44 PSIG	NONE	LOCA/MSLBE PROFILE TABLE 1	N/A	N/A		((1)RECOMMENDATION: REPLACE WITH ASCO INP SERIES SOLENOID PRIOR TO FUEL LOADINGS. CENTRAL FILE EQ-CEM-7
MODEL AND SERIAL NUMBER: 8302027	RELATIVE HUMIDITY	100 %	NONE	FSAR TABLE 3.11-1	N/A	N/A		
SERVICE DESCRIPTION: PNEU. SIGNAL TO CONTROL VALVE	CHEMICAL SPRAY	1750-2500 PPM BORON AS BRC ACD PH-5.0-9.0	NONE	N/A	N/A	N/A		
FUNCTION: ACCIDENT MITIGATION								
ACCURACY SPECIFIED: N/A	RADIATION	33 M RADS (GAMMA) 327M RADS (BETA)	NONE	RADIATION DOSE MAPS ZONE-CC DWG. G-144	N/A	N/A		
ACCURACY DEMONS.: N/A								
LOCATION: CONT BUILDING ELEVATION: +21.0 FT.	AGING	140 YEARS PLUS 1 HOUR POST DBA	NONE	FSAR PARAGRAPH 3.11.1	N/A	N/A		
FLOOD LEVEL EL: +0.5 FEET	SUBMERGENCE	NONE	N/A	FSAR QUESTION 211.8	N/A	N/A		
ABOVE FLOOD LEVEL: YES								
COORDINATES: N-W;	INDEX FOR INCONSISTENCY ANALYSIS IN WORKFILE (IF REQUIRED)			OTHER EQUIPMENT THIS QDEF APPLIES TO:				REVISION NO. -01
ENVIRON'T IS HARSH								PREPARER: GB 07/30/82 DATE
EQUIPMENT EXEMPT FROM QUALIFICATION: NO								CHECKER :RQ 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED; REPLACE WITH ASCO NP SERIES SOLENOID PRIOR TO FUEL LOAD				REFERENCES:				SYSTEM: SAFETY INJECTION QDEF SHEET NO. -2148

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC.	INCONSIS-	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.	METHOD	TENCY ANALYZED	
SYSTEM: SAFETY INJECTION	OPERATING TIME	1 HOUR	NONE	C-PSD-300	NONE			QUALIFIED LIFE IS:
COMPONENT: LIMIT SWITCH								
PLANT NUMBER: SI-628	TEMPERATURE	414 F	NONE	LOCA/MSLB PROFILE TABLE 1	NONE			MAINTENANCE / REPLACEMENT SCHD:
MANUFACTURER: NAMCO CO	PRESSURE	44 PSIG	NONE	LOCA/MSLB PROFILE TABLE 1	NONE			
MODEL AND SERIAL NUMBER: D2400X-2	RELATIVE HUMIDITY	100%	NONE	FSAR TABLE 3.11-1	NONE			(1)RECOMMENDATION: REPLACE WITH NAMCO MODEL EA-180 LIMIT SWITCHES PRIOR TO FUEL LOADINGS.
SERVICE DESCRIPTION: VALVE OPEN/CLSD POS'N INDICAT'N	CHEMICAL SPRAY	BORON(BOR. ACID)5.0-9.0PH:1750 2150 PPM	NONE	FSAR TABLE 3.11-1	NONE			CENTRAL FILE: EQ-CEM-7
FUNCTION: AM								
ACCURACY SPECIFIED:	RADIATION	33 MRADS (GAMMA)	NONE	RADIATION MAPS ZONE:CC G-144	NONE			
ACCURACY DEMONS.:								
AGING		40 YEARS	NONE		NONE			
LOCATION: CONT. BUILDING		+ 1 YEAR						
ELEVATION: +21.0 FT.		ACCIDENT						
FLOOD LEVEL EL: +.5 FEET	SUBMERGENCE	N/A	N/A	FSAR QUESTION 211.8	N/A			
ABOVE FLOOD LEVEL: YES								
COORDINATES: N-W;	INDEX FOR INCONSISTENCY! ANALYSIS IN WORKFILE! OTHER EQUIPMENT THIS QDEF APPLIES TO:							
ENVIRON'T IS	(IF REQUIRED)							REVISION NO.-01
EQUIPMENT EXEMPT FROM QUALIFICATION:								PREPARER:GB 07/30/82 DATE
QUALIF STATUS: UNQUALIFIED								CHECKER :RQ 07/30/82 DATE
	REFERENCES:							SYSTEM:SAFETY INJECTION
								QDEF SHEET NO.-2149

***QUALIFICATION DATA EVALUATION FORM ***

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION		QUALIFIC. METHOD	INCONSIS- TENCY ANALYZED	NOTES
	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.			
SYSTEM: EMER GENERATOR ROOMS VENTIL'N	OPERATING TIME	!!748033E+01 !!-.3152232	!.95270808! !E-01 .171!	!.233412! !61E+00 .9!	!1-.547198! !4753434E-0!	!92E+05 !87000E	!2966	! QUALIFIED ! LIFE IS: ! OE+02 -.6713
COMPONENT: O5 .32183000E+ O2 -.17797111E+		!!7E+01 -.48 !!678767E+00	!20164E+05! !.32186000!	!21E+01 -.3! !5462136E+0!	!4753434E-0! !.170271!	!87000E !+02 -.	!	
PLANT NUMBER: E+00 .96496311 E-01 .17340387	TEMPERATURE	!! O. !.25	!E+01 -.607! !39391E+00! !.94174956!	!2-.326250! !89E+01 O. !.285237!	!42E+01 -.4! !3335901E+0! !1-.667513!	!353086 !8E-01 !.1680	!05	! MAINTENANCE / ! REPLACEMENT SCHD: !.5869666E+ ! O1 -.8917739 !.58365E+05 !.32203000E+02
MANUFACTURER: O1 O. .15559811E+	PRESSURE	!! OE+02 -.37 !!568539E+01 !! O. !.32	!145744E+01! !2190000E+0! !.49902285! !.88115E+00!	!10E+05 .3! !2190000E+0! !.434961! !.98E+01 O.!	!10E+05 .3! !.380282 !.29E+01 -.5! !.7775993E+0!	!1-.88 !823509 !E+00 !.91977	!243E	!
MODEL AND SERIAL NUMBER: O1 -.23639900E+ O1 -.36650806E+	RELATIVE HUMIDITY	!!528310E+05 !.3219100	!.0. !.414!	!1048308E-0! !.163613!	!2-.484364! !27E+01 O.!	!15E+01 !.643	!9884	!71120E+01 -.996216 !95E+01 -.15269377E !+01 .76720190E-01 !.13786618E+05 !.32204000E+02 -.759 !175039E+01 O. !.66424108E !+01 -.10091763E+02 !.15466363E+01 !.175183938E-01 .135 !.10554E+05 .322050 !00E+02 -.75959966E
SERVICE DESCRIPTION: 6998E+01 -.4468 7883E+00 .9574	CHEMICAL SPRAY	!! .9006945 !! OE-01 .16 !!185480E+05 !! .3219300	!E+02 -.494! !22256E+01! !.0. !.432!	!1-.100835! !.84E+01 .8! !.9065376E-0! !.160050!	!48E+05 .3! !.2194000E+0! !.504004! !.15E+01 O.!	!	!	
FUNCTION: .1902 O039E+01 -.2889	RADIATION	!!4E+01 -.10 !!281363E+01 !! .8804615 !!8E-01 .15	!21895E+05! !.32195000! !.513! !.76217E+01!	!.39E+01 -.6! !.8243022E+0! !.1-.104786! !.52E+01 .8!	!.7001853E-0! !.156342 !.33E+05 .3 !.2196000E+0!	!.2-.53 !.344916 !.E+01 O !	!	!.66410930E+01 -.
ACCURACY SPECIFIED: 4577E-01 .1720 5300E+05 .3218	AGING	!!638851E+01 !!-.7085804 !!5E+01 -.10 !!877664E+01	!.85934232! !E-01 .154! !.42381E+05! !.32197000!	!.483546! !.19E+01 -.7! !.3464798E+0!	!.112753 !.81E+01 .8 !.4820769E-0! !.152422	!.92E+05 !.321 !.98000E !+02 -.	!6024	
LOCATION: OO .9 BUILDING ELEVATION: .1727 FT.	SUBMERGENCE	!! O. !.52 !!667767E+01 !!-.8001773	!E+01 -.122! !.76660E+01! !.83642064! !E-01 .150!	!.2-.622028! !.80E+01 O. !.543832!	!.67E+01 -.8 !.2624077E+0 !.22E+01 .8	!.239034 !.1E-01 !.5544E+	!05	
ACCURACY DEMONS.: 5000E+02 -.2373 1333E+01 O.								
COORDINATES: 6152651E-01	INDEX FOR INCONSISTENCY!	ANALYSIS IN WORKFILE ! OTHER EQUIPMENT THIS QDEF APPLIES TO:						REVISION NO. - 0
ENVIRON'T IS	(IF REQUIRED)	!078806E-01 .12952562E+05 .32207000E+02 -.7395219!						
EQUIPMENT EXEMPT FROM QUALIFICATION: 3042380E+01		!10089761E+02 .1546 O15E+01 O. .64655559E+01 -.98230691E+01!						PREPARER: 800 OE+02 -. DATE
QUALIF STATUS: O. .638		!2074E+01 .7 33041 T! -.15051773E+01 .70539059E-01 .12675869E+05 .32!						CHECKER : .92 958568E+ DATE
60118E+01 -.97022183		!E-01 .13231 7E+05 P! !.32206000E -.7 H!						
E+01 -.14873002E+01		!6935275E+01 C! !.67 3631E R!						SYSTEM: EMER GENERATOR ROOMS VENTIL'N
.78232417E-01 .140		!+01 -.102193 E+02 A! !-.15659031E+ .72 S!						QDEF SHEET NO.-2175
	REFERENCES:	OE+01 -.13675469E+01 .8107159! 6E-01 .14568566E+05 .3220100! OE+02 -.69098233E+01 O. ! !.60411795E+01 -.9178317! 3E+01 -.14072860E+01 .7967998!						