



**GULF STATES UTILITIES COMPANY**

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July 9, 1984  
RBG-18,131  
File Nos. G9.5  
G9.19.2, 245.000

Mr. Harold Denton  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Dear Mr. Denton:

River Bend Station-Unit 1  
Docket No. 50-458

Enclosed is one (1) copy each of an equipment qualification master list for the following categories of Balance of Plant (BOP) equipment:

Enclosure 1 - Environmental Qualification of BOP Electrical Equipment requiring qualification in accordance with 10CFR50.49

Enclosure 2 - Seismic Category I and Dynamically Qualified Safety-Related BOP Equipment

A copy of the master lists for the environmental qualification of NSSS electrical equipment, NSSS seismic Category I equipment, and safety-related active mechanical equipment located in a harsh environment is scheduled for submittal prior to August 1984.

The master lists contain a tabulation of River Bend Station (RBS) BOP equipment requiring environmental and/or seismic qualification categorized by system, then type. In addition to the master lists, a copy of a completed system component evaluation work (SCEW) sheet sample is provided with Enclosure 1. The SCEW sheet is referenced on the BOP electrical equipment master list.

The master list format of the BOP electrical equipment identified in Enclosure 1 is based on NUREG-0588, Appendix E, "Standard Question on Environmental Qualification of Class 1E Equipment." Detailed descriptions of the fields, codes, and definitions are provided in Section 5.1 of the RBS Environmental Qualification Document (EQD) submitted to the Nuclear Regulatory Commission (NRC) on May 25, 1984.

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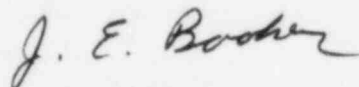
The current qualification and installation status codes used in the BOP electrical equipment master list are defined in Enclosure 1.

The master list format of the seismic Category I BOP equipment identified in Enclosure 2 is based on recommendations provided in Attachment 1 to the NRC's December 21, 1982 letter. As requested in the letter, a complete set of required response spectra (RRS) used in the qualification of equipment is provided in Enclosure 3. Complete cross-references between the equipment mark numbers and the applicable RRS will be provided in an updated submittal prior to August 1984. The codes used in the master list are defined in Enclosure 2.

As discussed in a meeting on May 15, 1984 between your staff and Gulf States Utilities Company (GSU), the Seismic Qualification Review Team (SQRT) and Pump and Valve Operability Review Team (PVORT) Audits are tentatively scheduled for the week of October 22, 1984. GSU is currently scheduling its resources to also support an October 1984 Environmental Qualification Audit. Therefore, approximately 85 percent of the RBS safety-related equipment is scheduled to be qualified and installed before the audits.

After the Staff's assessment of GSU's complete equipment qualification submittal, it is anticipated that the above scheduled audit dates will be confirmed with a letter from the Staff identifying the selected equipment to be reviewed during the SQRT and PVORT audits. To expedite the audit and review process, GSU requests a preliminary listing of equipment selected for the SQRT and PVORT audits as soon as it becomes available. GSU will work with the Staff to accommodate any informational needs.

Sincerely,



J. E. Booker  
Manager-Engineering,  
Nuclear Fuels & Licensing  
River Bend Nuclear Group

JEB/RJK/kt

Enclosures

Enclosure 1

BOP - ELECTRICAL EQUIPMENT

ENCLOSURE 1

ENVIRONMENTAL QUALIFICATION DATA MASTER LIST  
(Electrical Equipment)

Definition of Codes

EQUALST - Environmental Qualification Status

Code A - The qualification and associated documentation are complete.

Code B - The qualification testing/analysis is completed, but associated documentation is not yet submitted or is still in review.

Code C - The qualification plan/procedure is documented, but testing has not yet begun.

INSTSTAT - Installation Status

Code Y - Physical and electrical installation are completed.





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 MARK NO            EQUIPMENT DESCRIPTION            MAKE/MANUFACTURER    ENV. ZONE    EHRGCM    EQUALST    SFN1    OP TIME    QRN1  
                   VENDOR                                    MODEL/CATALOG NO.    SUBMRG       ENVTYP       SFN2    OC        QRN2  
                   PANEL/RACK            SPEC.NO                REMARKS                                    INSTSTAT    SFN3        QRN3  
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B21 NUCLEAR BOILER STEAM

1B21*MOV098B	MOTOR OPERATED VALVE VELAN	LMTQ SMB-4-250	AB-114-7					1 HR A	
		228.212			HARSH				
1B21*MOV098C	MOTOR OPERATED VALVE VELAN	LMTQ SMB-4-250	AB-114-7					1 HR A	
		228.212			HARSH				
1B21*MOV098D	MOTOR OPERATED VALVE VELAN	LMTQ SMB-4-250	AB-114-7					1 HR A	
		228.212			HARSH				

B33 REACTOR RECIRC VALVE FLOW CONTROL

1B33*AOVF019	AIR OPERATED VALVE FISHER CONTROLS	FCTL,NMCO DBQ,EA180	DW-1		HLBI HARSH		BCNT	1 HR A	
		247.491							
1B33*AOVF020	AIR OPERATED VALVE FISHER CONTROLS	FCTL,NMCO DBQ,EA180	CT-3		HLBI HARSH		BCNT	1 HR A	
		247.491				Y			
1B33*SOVF019	SOLENOID VALVE FISHER CONTROLS	ASCO NP8320	DW-1		HLBI HARSH		BCNT	1 HR A	
		247.491							
1B33*SOVF020	SOLENOID VALVE FISHER CONTROLS	ASCO NP8320	CT-3		HLBI HARSH		BCNT	1 HR A	
		247.491							

CCP COMPONENT COOLING - PRIMARY CONTAINMENT OR REACTOR

1CCP*MOV129	MOTOR OPERATED VALVE JAMESBURY	LMTQ SMB-000-5	AB-070-8					100D A	
		228.243			HARSH		Y		
1CCP*MOV130	MOTOR OPERATED VALVE JAMESBURY	LMTQ SMB-000-5	AB-070-8					100D A	
		228.243			HARSH		Y		







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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EHRGCM  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO           REMARKS                    INSTSTAT  SFN3      QRN3
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CHS CONTAINMENT ATMOSPHERE MONITORING

1CHS*AI25A	HYDROG. ANALYZER INDICATOR COHSIP 1CHS*PNL12A	247.421	API 704S-N5-4702-0000	AB-141-1	HLBO HARSH	DISP - -	30 D A	
1CHS*AI25B	HYDROG ANALYZER INDICATOR COHSIP 1CHS*PNL10B	247.421	API 7045-N5-4702-0000	AB-141-1	HLBO HARSH	DISP - -	30 D A	
1CHS*AT25A	HYDROG. ANALYZER IND. TRANSM. COHSIP 1CHS*PNL10A	247.421	DELP B5 REG.G.1.97	AB-114-6	HLBO HARSH	PAH - -	30 D A -	
1CHS*AT25B	HYDROG. ANALYZER IND. TRANSM. COHSIP 1CHS*PNL10B	247.421	DELP B5 REG.G.1.97	AB-141-3	HLBO HARSH	PAH - -	30 D A -	
1CHS*LT23A	LEVEL TRANS & REMOTE SEAL ROSEMOUNT 247.481		RSMT 1153DB5PG, 1159C60A REG.G.1.97	CT-SP Y	HARSH		1000 A	47481AI
1CHS*LT23B	LEVEL TRANS & REMOTE SEAL ROSEMOUNT 247.481		RSMT 1153DB5PG, 1159C60A REG.G.1.97	CT-SP Y	HARSH		1000 A	47481AJ
1CHS*PDT29A	DIFF PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK4	247.481	RSMT 1153DB6	AB-141-1	HLBO HARSH	PAH - -	1000 A -	47481AK
1CHS*PDT29B	DIFF PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK3	247.481	RSMT 1153DB6	AB-141-2	HLBO HARSH	PAH - -	1000 A -	47481AL
1CHS*PNL10A	REMOTE CABINET COHSIP 247.421		COMS NONE,UNIQUE	AB-114-6	HLBO HARSH	PANL - -	1000 A -	
1CHS*PNL10B	REMOTE CABINET COHSIP 247.421		COMS NONE,UNIQUE	AB-141-3	HLBO HARSH	PANL - -	1000 A -	

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENV TYP		SFN2	OC	QRN2
	PANEL/RACK	SPEC. NO	REMARKS		INSTSTAT	SFN3		QRN3
*****								
CHS CONTAINMENT ATMOSPHERE MONITORING								
1CMS*PNL12A	LOCAL CONTROL CAB. CONSIP	COMS NONE, UNIQUE	AB-141-1				100D A	
	247.421			HARSH				
1CMS*PNL12B	PANEL ELECTROMECHANICS		AB-141-2				100D A	
	247.421			HARSH				
1CMS*PT2A	PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK4	RSMT 1153AB6 REG.G.1.97	AB-141-1	HLBO HARSH		PAM - -	100D A -	47481AM
	247.481							
1CMS*PT2B	PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK3	RSMT 1153AL6 REG.G.1.97	AB-141-2	HLBO HARSH		PAM - -	100D A -	47481AN
	247.481							
1CMS*PT4A	PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK4	RSMT 1153AB6 REG.G.1.97	AB-141-1	HLBO HARSH		PAM - -	100D A -	47481AO
	247.481							
1CMS*PT4B	PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK3	RSMT 1153AB6 REG.G.1.97	AB-141-2	HLBO HARSH		PAM - -	100D A -	47481AP
	247.481							
1CMS*RTD24A	RTD PYCO	PYCO 122-3046-12	CT-SP Y	HLBI HARSH		DISP - -	100D A -	
	247.461							
1CMS*RTD24B	RTD PYCO	PYCO 122-3046-12	CT-SP Y	HLBI HARSH		DISP - -	100D A -	
	247.461							
1CMS*RTD24C	RTD PYCO	PYCO 122-3046-12	CT-SP Y	HLBI HARSH		DISP - -	100D A -	B
	247.461							
1CMS*RTD24D	RTD PYCO	PYCO 122-3046-12	CT-SP Y	HLBI HARSH		DISP - -	100D A -	
	247.461							

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBHRG     ENVTYP   INSTSTAT SFN2  OC       QRN2
              PANEL/RACK                SPEC.NO           REMARKS
*****
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CMS CONTAINMENT ATMOSPHERE MONITORING

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBHRG	ENVTYP	INSTSTAT	SFN2	OC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS			SFN3		QRN3
1CMS*RTD24E	RTD PYCO	PYCO 122-3046-12	CT-SP Y	HLBI HARSH	DISP	100D	A	-
		247.461			-			
1CMS*RTD24F	RTD PYCO	PYCO 122-3046-12	CT-SP Y	HLBI HARSH	DISP	100D	A	-
		247.461			-			
1CMS*RTD24G	RTD PYCO	PYCO 122-3046-12	CT-SP Y	HLBI HARSH	DISP	100D	A	-
		247.461			-			
1CMS*RTD24H	RTD PYCO	PYCO 122-3046-12	CT-SP Y	HLBI HARSH	DISP	100D	A	-
		247.461			-			
1CMS*RTD24J	RTD PYCO	PYCO 122-3046-12	CT-SP Y	HLBI HARSH	DISP	100D	A	-
		247.461			-			
1CMS*RTD24K	RTD PYCO	PYCO 122-3046-12	CT-SP Y	HLBI HARSH	DISP	100D	A	-
		247.461			-			
1CMS*RTD40A	RTD PYCO	PYCO 122-3046-12 REG.G.1.97	CT-SP Y	HLBI HARSH	PAM	100D	A	-
		247.461			-			
1CMS*RTD40B	RTD PYCO	PYCO 122-3046-12	CT-SP Y	HLBI HARSH	PAM	100D	A	-
		247.461			-			
1CMS*RTD40C	RTD PYCO	PYCO 122-3046-12	CT-SP Y	HLBI HARSH	PAM	100D	A	-
		247.461			-			
1CMS*RTD40D	RTD PYCO	PYCO 122-3046-12 REG.G.1.97	CT-SP Y	HLBI HARSH	PAM	100D	A	-
		247.461			-			











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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP  TIME  CRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP  INSTSTAT SFN2  OC   CRN2
              PANEL/RACK                SPEC. NO          REMARKS    INSTSTAT SFN3  CRN3
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CHS CONTAINMENT ATMOSPHERE MONITORING

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP	TIME	CRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENVTYP	INSTSTAT	SFN2	OC	CRN2	
	PANEL/RACK	SPEC. NO	REMARKS		INSTSTAT	SFN3		CRN3	
1CHS*SOV33U	SOLENOID VALVE TARGET ROCK	TRCP 77KK-003	CT-G	HLBI HARSH	PAM	100D	A	-	
		247.501							
1CHS*SOV33V	SOLENOID VALVE TARGET ROCK	TRCP 77KK-003	CT-5A	HLBI HARSH	PAM	100D	A	-	
		247.501							
1CHS*SOV33W	SOLENOID VALVE TARGET ROCK	TRCP 77KK-003	CT-G	HLBI HARSH	PAM	100D	A	-	
		247.501							
1CHS*SOV33X	SOLENOID VALVE TARGET ROCK	TRCP 77KK-003	CT-5A	HLBI HARSH	PAM	100D	A	-	
		247.501							
1CHS*SOV33Y	SOLENOID VALVE TARGET ROCK	TRCP	CT-G	HLBI HARSH	PAM	100D	A	-	
		247.501							
1CHS*SOV33Z	SOLENOID VALVE TARGET ROCK	TRCP	CT-G	HLBI HARSH	PAM	100D	A	-	
		247.501							
1CHS*SOV34A	SOLENOID VALVE TARGET ROCK	TRCP 77KK-003	CT-G	HLBI HARSH	PAM	100D	A	-	
		247.501							
1CHS*SOV34B	SOLENOID VALVE TARGET ROCK	TRCP 77KK-003	CT-5A	HLBI HARSH	PAM	100D	A	-	
		247.501							
1CHS*SOV34C	SOLENOID VALVE TARGET ROCK	TRCP 77KK-003	CT-G	HLBI HARSH	PAM	100D	A	-	
		247.501							
1CHS*SOV34D	SOLENOID VALVE TARGET ROCK	TRCP 77KK-003	CT-5A	HLBI HARSH	PAM	100D	A	-	
		247.501							



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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
            VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
            PANEL/RACK                  SPEC NO          REMARKS     INSTSTAT  SFN3      QRN3
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CPM CONTAINMENT HYDROGEN MIXING

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1
1CPM*HOV1B	MOTOR OPERATED VALVE POSI-SEAL 228.241	LMTQ SMB-000-2	CT-5A				3 HR A	
1CPM*HOV2A	MOTOR OPERATED VALVE POSI-SEAL 228.241	LMTQ SMB-000-2	CT-G				3 HR A	
1CPM*HOV2B	MOTOR OPERATED VALVE POSI-SEAL 228.241	LMTQ SMB-000-2	CT-G				3 HR A	
1CPM*HOV3A	MOTOR OPERATED VALVE POSI-SEAL 228.241	LMTQ SMB-000-2	CT-G				3 HR A	
1CPM*HOV3B	MOTOR OPERATED VALVE POSI-SEAL 228.241	LMTQ SMB-000-2	CT-5A				3 HR A	
1CPM*HOV4A	MOTOR OPERATED VALVE POSI-SEAL 228.241	LMTQ SMB-000-2	CT-G				3 HR A	
1CPM*HOV4B	MOTOR OPERATED VALVE POSI-SEAL 228.241	LMTQ SMB-000-2	CT-G				3 HR A	

CPP CONTAINMENT PURGE

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1
1CPP*MOV104	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-000-5	CT-5A	HLBI HARSH			BCNT -	N/R -
1CPP*MOV105	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-000-5	AN-1	TRNS HARSH			BCNT -	N/R -



06/29/84  
 REVISION: 1  
 ISSUE DATE: 06/29/84

RBS-ENVIRONMENTAL QUALIFICATION DATA MASTER LIST  
 SORTED BY MARK NO - HARSH ENVIRONMENT ONLY

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                       MODEL/CATALOG NO.  SUBMRG    ENVTYP   INSTSTAT SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO            REMARKS                                     SFN3    QRN3
*****
DER DRAINS - REACTOR BLDG EQUIPMENT
1DER*AOV127   AIR OPERATED VALVE        FCTL,NMCO          FB-113-G   FHA     EQUALST  SFN1  1HR     QRN1
              FISHER CONTROLS          ET,EA180           QUAL FOR LMTS 33-1DERA03 ONLY  HARSH   -      A     -
              247.491
1DER*SOV126   SOLENOID VALVE           ASCO                CT-3       HLBI    EQUALST  SFN1  1HR     QRN1
              FISHER CONTROLS          NP8320              HARSH   -      A     -
              247.491
1DER*SOV127   SOLENOID VALVE           ASCO                FB-113-G   FHA     EQUALST  SFN1  1HR     QRN1
              FISHER CONTROLS          NP8320              HARSH   -      A     -
              247.491
DFR DRAINS - REACTOR PLANT FLOOR
1DFR*AOV101   AIR OPERATED VALVE        FCTL,NMCO          CT-3       HLBI    EQUALST  SFN1  1HR     QRN1
              FISHER CONTROLS          ET,EA180           QUAL FOR LMTS 33-1DFRB04 ONLY  HARSH   -      A     -
              247.491
1DFR*AOV102   AIR OPERATED VALVE        FCTL,NMCO          AB-114-6   HLBO    EQUALST  SFN1  1HR     QRN1
              FISHER CONTROLS          ET,EA180           QUAL FOR LMTS 33-1DFRA04 ONLY  HARSH   -      A     -
              247.491
1DFR*LT134   LEVEL TRANSM & REMOTE SEAL  RSMT              AB-070-1   HARSH   -      1HR   A     47481AQ
              ROSEMOUNT                1153DB4PG, 1159C30A
              247.481
1DFR*LT135   LEVEL TRANSM & REMOTE SEAL  RMST              AB-070-2   HARSH   -      1HR   A     47481AR
              ROSEMOUNT                1153DB4PG, 1159C30A
              247.481
1DFR*LT136   LEVEL TRANSM & REMOTE SEAL  RSMT              AB-070-3   HARSH   -      1HR   A     47481AS
              ROSEMOUNT                1153DB4PG, 1159C30A
              247.481
1DFR*LT137   LEVEL TRANSM & REMOTE SEAL  RSMT              AB-070-4   HARSH   -      1HR   A     47481AT
              ROSEMOUNT                1153DB4PG, 1159C30A
              247.481
  
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MARK NO            EQUIPMENT DESCRIPTION            MAKE/MANUFACTURER    ENV. ZONE    EHRGCR    EQUALST    SFN1    OP TIME    QRN1  
                  VENDOR                                  MODEL/CATALOG NO.    SUBHRG       ENVTYP       SFN2    OC          QRN2  
                  PANEL/RACK                                SPEC.NO                REMARKS               INSTSTAT    SFN3                    QRN3  
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DFR DRAINS - REACTOR PLANT FLOOR

1DFR*LT138	LEVEL TRANSM & REMOTE SEAL ROSEMOUNT	RSMT 1153DB4PG, 1159C30A	AB-070-5	HLBO HARSH		DISP	1HR A	47481AU
	247.481							
1DFR*LT139	LEVEL TRANSM & REMOTE SEAL ROSEMOUNT	RSMT 1153DB4PG, 1159C30A	AB-070-6	HLBO HARSH		DISP	1HR A	47461AV
	247.481							
1DFR*SOV101	SOLENOID VALVE FISHER CONTROLS	ASCO NP9320	CT-3	HLBI HARSH		CISL	1HR A -	
	247.491					-	-	
1DFR*SOV102	SOLENOID VALVE FISHER CONTROLS	ASCO NP 8320	AB-114-6	HLBO HARSH		CISL	1HR A -	
	247.491					-	-	

EHS MOTOR CONTROL CENTER STANDBY SYSTEM

1EHS*HCC2A	STANDBY MOTOR CONTROL CENTERS GOULD INC	GLDI SERIES 5600	AB-141-4	HLBO HARSH		EMPH	100D A -	
	242.562				Y	-	-	
1EHS*HCC2B	STANDBY MOTOR CONTROL CENTERS GOULD INC	GLDI SERIES 5600	AB-141-2	HLBO HARSH		EMPH	100D A -	
	242.562				Y	-	-	
1EHS*HCC2C	STANDBY MOTOR CONTROL CENTERS GOULD INC	GLDI SERIES 5600	AB-141-4	HLBO HARSH		EMPH	100D A -	
	242.562				Y	-	-	
1EHS*HCC2D	STANDBY MOTOR CONTROL CENTERS GOULD INC	GLDI SERIES 5600	AB-141-2	HLBO HARSH		EMPH	100D A -	
	242.562				Y	-	-	
1EHS*HCC2E	STANDBY MOTOR CONTROL CENTERS GOULD INC	GLDI SERIES 5600	AB-114-1	HLBO HARSH		EMPH	100D A -	
	242.562				Y	-	-	

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 MARK NO            EQUIPMENT DESCRIPTION            MAKE/MANUFACTURER    ENV. ZONE    EMRGCN    EQUALST    SFN1    OP TIME    QRN1  
                   VENDOR                                    MODEL/CATALOG NO.    SUBMRG        ENVTYP                    SFN2    OC            QRN2  
                   PANEL/PACK                    SPEC.NO                REMARKS                                    INSTSTAT    SFN3                    QRN3  
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EHS MOTOR CONTROL CENTER STANDBY SYSTEM

1EHS*MCC2F	STANDBY MOTOR CONTROL CENTERS GOULD INC 242.562	GLDI SERIES 5600	AB-114-3	HLBO HARSH		EMPW 100D - A - -
1EHS*MCC2G	STANDBY MOTOR CONTROL CENTERS GOULD INC 242.562	GLDI SERIES 5600	AB-114-1	HLBO HARSH	Y	EMPW 100D - A - -
1EHS*MCC2H	STANDBY MOTOR CONTROL CENTERS GOULD INC 242.562	GLDI SERIES 5600	AB-114-3	HLBO HARSH	Y	EMPW 100D - A - -
1EHS*MCC2J	STANDBY MOTOR CONTROL CENTERS GOULD INC 242.562	GLDI SERIES 5600	AB-141-1	HLBO HARSH	Y	EMPW 100D - A - -
1EHS*MCC2K	STANDBY MOTOR CONTROL CENTERS GOULD INC 242.562	GLDI SERIES 5600	AB-141-2	HLBO HARSH	Y	EMPW 100D - A - -
1EHS*MCC2L	STANDBY MOTOR CONTROL CENTERS GOULD INC 242.562	GLDI SERIES 5600	AB-141-1	HLBO HARSH	Y	EMPW 100D - A - -

EJS UNIT SUBSTATION STANDBY SYSTEM

1EJS*LDC2A	STANDBY 480V LOAD CENTERS POWELL ELECTRIC CORP 242.533	PECP AKDG	AB-141-1	HLBO HARSH	Y	EMPW 100D - A - -
1EJS*LDC2B	STANDBY 480V LOAD CENTERS POWELL ELECTRIC CORP 242.533	PECP AKDG	AB-141-2	HLBO HARSH	Y	EMPW 100D - A - -

ENB SWGR STANDBY 4160V - DC CONTROL SUPPLY

1ENB*HCC1	STANDBY MOTOR CONTROL CENTERS GOULD INC 242.562	GLDI SERIES 5600	AB-095-8	HLBO HARSH	Y	EMPW 70 M - A - -
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 SORTED BY MARK NO - HARSH ENVIRONMENT ONLY

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 MARK NO            EQUIPMENT DESCRIPTION            MAKE/MANUFACTURER    ENV. ZONE    ENRGCN    EQUALST    SFN1    OP TIME    QRN1  
                   VENDOR                                    MODEL/CATALOG NO.    SUBMRG        ENVTYP        SFN2    OC            QRN2  
                   PANEL/RACK            SPEC.NO            REMARKS                                    INSTSTAT    SFN3            QRN3  
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ENS SHGR STANDBY 4160V - SYSTEM

1ENS*SHG3A	SWITCHGEAR GOULD-BROWN BOVERI	242.521		FB-095-G				1HR A
					HARSH	Y		
1ENS*SHG3B	SWITCHGEAR GOULD-BROWN BOVERI	242.521		AB-114-6				1HR A
					HARSH	Y		
1ENS*SHG4A	SWITCHGEAR GOULD-BROWN BOVERI	242.521		FB-095-G				1HR A
					HARSH	Y		
1ENS*SHG4B	SWITCHGEAR GOULD-BROWN BOVERI	242.521		AB-114-6				1HR A
					HARSH	Y		

E12 RESIDUAL HEAT REMOVAL

1E12*AOVF041A	AIR OPERATED VALVE	228.218	N/R FOR SAFETY FUNCTION	DH-1				N/R
					HARSH	Y		
1E12*AOVF041B	AIR OPERATED VALVE	228.218	N/R FOR SAFETY FUNCTION	DH-1				N/R
					HARSH	Y		
1E12*AOVF041C	AIR OPERATED VALVE	228.218	N/R FOR SAFETY FUNCTION	DH-1				N/R
					HARSH	Y		
1E12*AOVF098	AIR OPERATED VALVE	228.218	N/R FOR SAFETY FUNCTION	AB-095-5				N/R
					HARSH			
1E12*NOVF003A	MOTOR OPERATED VALVE VELAN	228.212		LMTQ	AB-070-2	HLBO HARSH	RHR - -	100D A -





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MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1	
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENV TYP	INSTSTAT	SFN2	OC	QRN2	
	PANEL/RACK	REMARKS				SFN3		QRN3	
*****									
E12 RESIDUAL HEAT REMOVAL									
1E12*MOV023	MOTOR OPERATED VALVE VELAN	LHTQ SB-005-5	AB-095-4	HLBO HARSH		RHR	N/R		
	228.212	N/R FOR SAFETY FUNCTION				-	-		
1E12*MOV024A	MOTOR OPERATED VALVE VELAN	LHTQ SMB-1-60	AB-095-8	HLBO HARSH		RHR	1000		
	228.212					-	A	-	
1E12*MOV024B	MOTOR OPERATED VALVE VELAN	LHTQ SMB-1-60	AB-095-7	HLBO HARSH		RHR	1000		
	228.212					-	A	-	
1E12*MOV026A	MOTOR OPERATED VALVE VELAN	LHTQ SMB-00-10	AB-070-2	HLBO HARSH		RHR	N/R		
	228.212	N/R FOR SAFETY FUNCTION				-	-		
1E12*MOV026B	MOTOR OPERATED VALVE VELAN	LHTQ SMB-00-10	AB-070-5	HLBO HARSH		RHR	N/R		
	228.212	N/R FOR SAFETY FUNCTION				-	-		
1E12*MOV027A	MOTOR OPERATED VALVE VELAN	LHTQ SMB-0-40	AB-114-6	HLBO HARSH		RHR	N/R		
	228.212	N/R FOR SAFETY FUNCTION				-	-		
1E12*MOV027B	MOTOR OPERATED VALVE VELAN	LHTQ SMB-0-40	AB-114-5	HLBO HARSH		RHR	N/R		
	228.212	N/R FOR SAFETY FUNCTION				-	-		
1E12*MOV037A	MOTOR OPERATED VALVE VELAN	LHTQ SMB-1-25	CT-G	HLBI HARSH		RHR	N/R		
	228.212	N/R FOR SAFETY FUNCTION				-	-		
1E12*MOV037B	MOTOR OPERATED VALVE VELAN	LHTQ SMB-1-25	CT-G	HLBI HARSH		RHR	N/R		
	228.212	N/R FOR SAFETY FUNCTION				-	-		
1E12*MOV040	MOTOR OPERATED VALVE VELAN	LHTQ SB-005-15	AB-070-2	HLBO HARSH		RHR	N/R		
	228.212	N/R FOR SAFETY FUNCTION				-	-		



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MARK NO	EQUIPMENT DESCRIPTION	VENDOR	PANEL/RACK	SPEC. NO	REMARKS	MODEL/CATALOG NO.	SUBNRG	ENV. ZONE	EMRGCN	EQUALST	SFNI	OP TIME	QRN1	QRN2	QRN3
E12	RESIDUAL HEAT REMOVAL														
1E12*HOVF053A	MOTOR OPERATED VALVE VELAN			226.212		LMTQ SIB-3-80 N/R FOR SAFETY FUNCTION	AB-095-2		HLBO HARSH		RHR	N/R			
1E12*HOVF053B	MOTOR OPERATED VALVE VELAN			226.212		LMTQ SIB-3-80 N/R FOR SAFETY FUNCTION	AB-095-5		HLBO HARSH		RHR	N/R			
1E12*HOVF064A	MOTOR OPERATED VALVE VELAN			226.212		LMTQ SB-005-10	AB-070-2		HLBO HARSH		RHR	100D A			
1E12*HOVF064B	MOTOR OPERATED VALVE VELAN			226.212		LMTQ SB-005-10	AB-070-5		HLBO HARSH		RHR	100D A			
1E12*HOVF064C	MOTOR OPERATED VALVE VELAN			226.212		LMTQ SB-005-10	AB-070-4		HLBO HARSH		RHR	100D A			
1E12*HOVF068A	MOTOR OPERATED VALVE JAMESBURY			226.213		LMTQ SIB-00-10	PT-3		HLBO HARSH		RHR ECNT	100D A			
1E12*HOVF068B	MOTOR OPERATED VALVE JAMESBURY			226.213		LMTQ SIB-00-10	PT-3		HLBO HARSH		RHR ECNT	100D A			
1E12*HOVF073A	MOTOR OPERATED VALVE VELAN			226.214		LMTQ SIB-000-2 N/R FOR SAFETY FUNCTION	AB-095-9		HLBO HARSH		RHR	N/R			
1E12*HOVF073B	MOTOR OPERATED VALVE VELAN			226.214		LMTQ SIB-000-2 N/R FOR SAFETY FUNCTION	AB-095-7		HLBO HARSH		RHR	N/R			
1E12*HOVF074A	MOTOR OPERATED VALVE VELAN			226.214		LMTQ SIB-000-2 N/R FOR SAFETY FUNCTION	AB-095-2		HLBO HARSH		RHR	N/R			

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MARK NO	EQUIPMENT DESCRIPTION VENDOR PANEL/RACK	SPEC NO	MAKE/MANUFACTURER MODEL/CATALOG NO. REMARKS	ENV. ZONE SUBMRG	ENRGCH ENVTYP	EQUALST INSTSTAT	SFN1 SFN2 SFN3	OP TIME OC	QRN1 QRN2 QRN3
*****									
E12 RESIDUAL HEAT REMOVAL									
1E12*MOV074B	MOTOR OPERATED VALVE VELAN	228.214	LHTQ SMB-000-2 N/R FOR SAFETY FUNCTION	AB-095-5	HLBO HARSH		RHR -	N/R -	
1E12*MOV087A	MOTOR OPERATED VALVE VELAN	228.212	LHTQ SB-2-40 N/R FOR SAFETY FUNCTION	AB-114-8	HLBO HARSH		RHR -	N/R -	
1E12*MOV087B	MOTOR OPERATED VALVE VELAN	228.212	LHTQ SB-2-40 N/R FOR SAFETY FUNCTION	AB-114-8	HLBO HARSH		RHR -	N/R -	
1E12*MOV094	MOTOR OPERATED VALVE VELAN	228.212	LHTQ SMB-0-15	AB-070-5	HLBO HARSH		RHR -	100D A -	
1E12*MOV096	MOTOR OPERATED VALVE VELAN	228.212	LHTQ SMB-0-25	AB-070-5	HLBO HARSH		RHR -	100D A -	
1E12*MOV105	MOTOR OPERATED VALVE VELAN	228.212	LHTQ SMB-0-25 N/R FOR SAFETY FUNCTION	AB-070-7	HLBO HARSH		RHR -	N/R A -	
1E12*PC003	RHR ECCS SUBSYSTEM FILL PUMP GOULDS PUMPS	237.160	WEST FRAME 184T - TEFC	AB-070-4	HLBO HARSH		RHR -	100D A -	
1E12*SOVF051A	SOLENOID VALVE FISHER CONTROLS	247.491	ASCO NPB320	AB-114-8	HARSH			100D	
1E12*SOVF051B	SOLENOID VALVE FISHER CONTROLS	247.491	ASCO NPB320	AB-114-8	HARSH			100D	
1E12*SOVF060A	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KH-001	AB-070-2	HLBO HARSH		RHR BCNT	100D A	

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQU3LST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBIRG     ENVTYP                    SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO           REMARKS                    INSTSTAT SFN3                    QRN3
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E51 REACTOR CORE ISOLATION COOLING SYSTEM

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQU3LST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBIRG	ENVTYP		SFN2	OC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS		INSTSTAT	SFN3		QRN3
1E51*AOVF005	CONTROL VALVE FISHER CONTROLS	FCTL,NMCO ES, EA180 247.491 QUAL FOR LMTS ONLY	AB-070-3	HLBO HARSH		DISP	70 M A	
1E51*AOVF025	CONTROL VALVE FISHER CONTROLS	FCTL,NMCO DBQ, EA180 247.491 QUAL FOR LMTS ONLY	AB-070-3	HLBO HARSH	Y	DISP	70 M A	
1E51*AOVF026	CONTROL VALVE FISHER CONTROLS	FCTL,NMCO DBQ, EA180 247.491 QUAL FOR LMTS ONLY	AB-070-3	HLBO HARSH	Y	DISP	70 M A	
1E51*AOVF054	CONTROL VALVE FISHER CONTROLS	FCTL,NMCO DBQ, EA180 247.491 QUAL FOR LMTS ONLY	AB-070-3	HLBO HARSH	Y	DISP	70 M A	
1E51*AOVF065	AIR OPERATED VALVE ATHOOD & MORRILL		AB-114-2	HARSH			N/R	
1E51*AOVF066	AIR OPERATED VALVE ATHOOD & MORRILL		DW-4	HARSH	Y		N/R	
1E51*MOVF010	MOTOR OPERATED VALVE VELAN	LMTQ SMB-00-10 228.212 N/R FOR SAFETY FUNCTION	AB-070-3	HLBO HARSH		RCIC	N/R	
1E51*MOVF013	MOTOR OPERATED VALVE VELAN	LMTQ SMB-0-90 228.212	AB-095-4	HLBO HARSH		RCIC	1 HR A	
1E51*MOVF019	MOTOR OPERATED VALVE VELAN	LMTQ SMB-00-10 228.214 N/R FOR SAFETY FUNCTION	AB-095-6	HLBO HARSH		RCIC	N/R	
1E51*MOVF022	MOTOR OPERATED VALVE VELAN	LMTQ SMB-0-10 228.212	AB-070-3	HLBO HARSH		RCIC	1 HR A	

MARK NO	EQUIPMENT DESCRIPTION VENDOR PANEL/RACK	SPEC. NO	MAKE/MANUFACTURER MODEL/CATALOG NO. REMARKS	ENV. ZONE SUBMRG	ENRGCH ENVTYP	EQUALST INSTSTAT	SFN1 SFN2 SFN3	OP TIME OC	QRN1 QRN2 QRN3
*****									
E51 REACTOR CORE ISOLATION COOLING SYSTEM									
1E51*MOV031	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SMB-00-10	AB-070-8	HLBO HARSH		RCIC	1 HR A -	
1E51*MOV045	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SMB-0-10	AB-070-3	HLBO HARSH		RCIC	1 HR A -	
1E51*MOV046	MOTOR OPERATED VALVE VELAN	228.214	LMTQ SMB-00-5	AB-070-3	HLBO HARSH		RCIC	1 HR A -	
1E51*MOV059	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SMB-0-10	AB-070-3	HLBO HARSH		RCIC	1 HR A -	
1E51*MOV063	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SB-1-60	CT-9	HLBI HARSH		RCIC	1 HR A -	
1E51*MOV064	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SB-1-60	AB-114-2	HLBO HARSH		RCIC	1 HR A -	
1E51*MOV068	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SMD-0-15	AB-095-7	HLBO HARSH		RCIC	1 HR A -	
1E51*MOV076	MOTOR OPERATED VALVE VELAN	228.214	LMTQ SMB-000-2 N/R FOR SAFETY FUNCTION	DW-2	HLBI HARSH		RCIC	N/R -	
1E51*MOV077	MOTOR OPERATED VALVE VELAN	228.214	LMTQ SMB-000-2	AB-095-7	HLBO HARSH		RCIC	1 HR A -	
1E51*MOV078	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SMB-000-2	AB-095-6	HLBO HARSH		RCIC	1 HR A -	

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
            VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP                    SFN2  OC      QRN2
            PANEL/RACK                  SPEC.NO           REMARKS                    INSTSTAT SFN3                    QRN3
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ESI REACTOR CORE ISOLATION COOLING SYSTEM

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1
1E51*PCVF015	PRESSURE CONTROL VALVE TARGET ROCK 247.501		AB-070-3				70 M A	
1E51*PC003	RCIC SUBSYSTEM FILL PUMP GOULDS PUMPS 237.160	WEST FRAME 213T - TEFC	AB-070-3	HLBO HARSH		RCIC -	70 M A -	
1E51*SOVF004	SOLENOID VALVE FISHER CONTROLS 247.491	ASCO NP8320	AB-070-3	HLBO HARSH		RCIC -	70M A A	
1E51*SOVF005	SOLENOID VALVE FISHER CONTROLS 247.491	ASCO NP8320	AB-070-3	HLBO HARSH		RCIC -	70 M A A	
1E51*SOVF025	SOLENOID VALVE FISHER CONTROLS 247.491	ASCO NP8320	AB-070-3	HLBO HARSH		RCIC -	70 M A A	
1E51*SOVF026	SOLENOID VALVE FISHER CONTROLS 247.491	ASCO NP8320	AB-070-3	HLBO HARSH		RCIC -	70 M A A	
1E51*SOVF054	SOLENOID VALVE FISHER CONTROLS 247.491	ASCO NP8320	AB-070-3	HLBO HARSH		RCIC -	70 M A A	

FPW FIRE PROTECTION - WATER

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1
1FPW*MOV121	MOTOR OPERATED VALVE VELAN 228.212	LHTQ SMB-00-10	AB-141-3	HLBO HARSH		CISL -	1 HR A -	
1FPW*MOV122	MOTOR OPERATED VALVE VELAN 228.212	LHTQ SMB-00-10	AB-141-3	HLBO HARSH		CISL -	1 HR A -	

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP   INSTSTAT SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO           REMARKS
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FWS FEEDWATER SYSTEM

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1FWS*MOV7A   MOTOR OPERATED VALVE      LMTQ           AB-114-7    HLBO      MSI      1HR
              VELAN                      SMB-9-200      HARSH      -        A      -
              228.212
1FWS*MOV7B   MOTOR OPERATE VALVE      LMTQ           AB-114-7    HLBO      MSI      1HR
              VELAN                      SMB-9-200      HARSH      -        A      -
              228.212
  
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GTS GAS TREATMENT STANDBY

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1GTS*A0D1A   AIR OPERATED DAMPER      NMCO           AB-141-5    HLBO      DISP     100D
              QUALITY AIR DESIGN      EA740          HARSH      -        A      -
              215.480
1GTS*A0D1B   AIR OPERATED DAMPER      NMCO           AB-141-6    HLBO      DISP     100D
              QUALITY AIR DESIGN      EA740          HARSH      -        A      -
              215.480
1GTS*A0D21A   AIR OPERATED DAMPER      NMCO           AB-141-5    HLBO      DISP     100D
              QUALITY AIR DESIGN      EA740          HARSH      -        A      -
              215.480
1GTS*A0D21B   AIR OPERATED DAMPER      NMCO           AB-141-6    HLBO      DISP     100D
              QUALITY AIR DESIGN      EA740          HARSH      -        A      -
              215.480
1GTS*A0D22A   AIR OPERATED DAMPER      NMCO           AB-141-5    HLBO      DISP     100D
              QUALITY AIR DESIGN      EA740          HARSH      -        A      -
              215.480
1GTS*A0D22B   AIR OPERATED DAMPER      NMCO           AB-141-6    HLBO      DISP     100D
              QUALITY AIR DESIGN      EA740          HARSH      -        A      -
              215.480
1GTS*A0D23A   AIR OPERATED DAMPER      NMCO           AB-141-5    HLBO      DISP     100D
              QUALITY AIR DESIGN      EA740          HARSH      -        A      -
              215.480
  
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MARK NO	EQUIPMENT DESCRIPTION VENDOR PANEL/RACK	SPEC. NO	MAKE/MANUFACTURER MODEL/CATALOG NO. REMARKS	ENV. ZONE SUBHRS	ENRGCN ENVTYP	EQUALST INSTSTAT	SFN1 SFN2 SFN3	OP TIME CC	QRN1 QRN2 QRN3
*****									
GTS GAS TREATMENT STANDBY									
1GTS*40023B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	NMCO EA740	AB-141-6	HLBO HARSH		DISP -	1000 A -	
1GTS*4003A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	NMCO EA740	AB-141-5	HLBO HARSH		DISP -	1000 A -	
1GTS*4003B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	NMCO EA740	AB-141-6	HLBO HARSH		DISP -	1000 A -	
1GTS*4004A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	NMCO EA740	AB-141-5	HLBO HARSH		DISP -	1000 A -	
1GTS*4004B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	NMCO EA740	AB-141-6	HLBO HARSH		DISP -	1000 A -	
1GTS*FE24A	FLOW ELEMENT FLUID COMPONENTS	247.433	FCI FR72-4R	AB-141-5		HARSH		1000 A	
1GTS*FE24B	FLOW ELEMENT FLUID COMPONENTS	247.433	FCI FR72-4R	AB-141-6		HARSH		1000 A	
1GTS*FN1A	FAN MOTOR BUFFALO FORGE	215.400	WEST	AB-141-5	HLBO HARSH		SGTS -	1000 A -	
1GTS*FN1B	FAN MOTOR BUFFALO FORGE	215.400	WEST	AB-141-6	HLBO HARSH		SGTS -	1000 A -	
1GTS*FN2A	FAN MOTOR BUFFALO FORGE	215.400	WEST TBFC 143T	AB-141-5	HLBO HARSH		SGTS -	1000 A -	

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  JP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG    ENVTYP                    SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO           REMARKS                    INSTSTAT SFN3                    QRN3
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GTS GAS TREATMENT STANDBY

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	JP TIME	QRN1
1GTS*FN2B	FAN MOTOR BUFFALO FORGE	WEST TBFC 143T	AB-141-6	HLBO HARSH		SGTS	1000	
	215.400					-	A -	
1GTS*FS2A	FLOW SWITCH AMERICAN AIR FILTER		AB-141-5				1000	
	225.220			HARSH			A	
1GTS*FS2B	FLOW SWITCH AMERICAN AIR FILTER		AB-141-6				1000	
	225.220			HARSH			A	
1GTS*FS24A	FLOW SWITCH NOT YET PURCHASED	FCI FR72-4R	AB-141-5	HLBO HARSH		SGTS	1000	
	247.433					-	A -	
1GTS*FS24B	FLOW SWITCH NOT YET PURCHASED	FCI FP72-4R	AB-141-6	HLBO HARSH		SGTS	1000	
	247.433					-	A -	
1GTS*PT15A	PRESSURE TRANSMITTER ROSEMOUNT	RSMT 1153GB3	AB-141-5				1000	47481AH
	247.481			HARSH			A	
1GTS*PT15B	PRESSURE TRANSMITTER ROSEMOUNT	RSMT 1153GB3	AB-141-6				1000	47481AX
	247.481			HARSH			A	
1GTS*RTD18A	RTD PYCO	PYCO 122-4030-04	AB-141-5	HLBO HARSH		SGTS	1000	
	247.461					-	A -	
1GTS*RTD18B	RTD PYCO	PYCO 122-4030-04	AB-141-6	HLBO HARSH		SGTS	1000	
	247.461					-	A -	
1GTS*RTD27A	RTD PYCO	PYCO 122-4030-04	AB-141-5	HLBO HARSH		SGTS	1000	
	247.461					-	A -	

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 MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER      ENV. ZONE      EHRGLN      EQUALST      SFN1      OP TIME      QRN1  
                 VENDOR                                  MODEL/CATALOG NO.      SUBMRG      ENVTYP                      SFN2      CC                      QRN2  
                 PANEL/RACK                  SPEC.NO                  REMARKS    INSTSTAT      SFN3                      QRN3  
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GTS GAS TREATMENT STANDBY

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EHRGLN	EQUALST	SFN1	OP TIME	QRN1
1GTS*RTD27B	RTD PYCO  297.461	PYCO 122-4030-04	AB-141-6	HLBO HARSH		SGTS	100D - A -	
1GTS*SOV1A	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	AB-141-5	HARSH			100D A	
1GTS*SOV1B	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	AB-141-6	HARSH			100D A	
1GTS*SOV21A	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	AB-141-5	HARSH			100D A	
1GTS*SOV21B	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	AB-141-6	HARSH			100D A	
1GTS*SOV22A	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	AB-141-5	HARSH			100D A	
1GTS*SOV22B	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	AB-141-6	HARSH			100D A	
1GTS*SOV23A	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	AB-141-5	HARSH			100D A	
1GTS*SOV23B	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	AB-141-6	HARSH			100D A	
1GTS*SOV3A	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	AB-141-5	HARSH			100D A	

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG    ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO           REMARKS    INSTSTAT SFN3      QRN3
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GTS GAS TREATMENT STANDBY

1GTS*SOV3B	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-6	HARSH		100D A	
1GTS*SOV4A	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-5	HARSH		100D A	
1GTS*SOV4b	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-6	HARSH		100D A	
1GTS*TS35A	TEMPERATURE SWITCH AMERICAN AIR FILTER	225.220		AB-141-5	HARSH		100D A	
1GTS*TS35B	TEMPERATURE SWITCH AMERICAN AIR FILTER	225.220		AB-141-6	HARSH		100D A	
1GTS*TS5A	TEMPERATURE SWITCH AMERICAN AIR FILTER	225.220		AB-141-5	HARSH		100D A	
1GTS*TS5B	TEMPERATURE SWITCH AMERICAN AIR FILTER	225.220		AB-141-6	HARSH		100D A	

G33 REACTOR WATER CLEAN-UP

1G33*MOV001	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SB-1-25	DW-1	HLBI HARSH	ESA CISL	1 HR A -	-
1G33*MOV004	MOTOR OPERATED VALVE VELAN	228.212	LHTQ SB-1-40	AB-114-2	HLBO HARSH	ESA CISL	1 HR A -	-



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MARK NO	EQUIPMENT DESCRIPTION VENDOR PANEL/RACK	SPEC.NO	MAKE/MANUFACTURER MODEL/CATALOG NO. REMARKS	ENV. ZONE SUBHRG	EMRGCN ENVTYP	EQUALST INSTSTAT	SFN1 SFN2 SFN3	OP TIME OC	QRN1 QRN2 QRN3
*****									
633 REACTOR WATER CLEAN-UP									
1G33*MOV028	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SB-00S-10	CT-7	HLBI HARSH		ESA CISL	1 HR A -	
1G33*MOV031	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SHB-0-10 N/R FOR SAFETY FUNCTION	CT-7	HLBI HARSH		ESA -	N/R -	
1G33*MOV034	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SB-00S-10	AB-114-2	HLBO HARSH		ESA CISL	1 HR A -	
1G33*MOV035	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SHB-0-7.5 N/R FOR SAFETY FUNCTION	AB-114-7	HLBO HARSH		ESA -	N/R -	
1G33*MOV039	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SB-0-25	AB-114-2	HLBO HARSH		ESA CISL	1 HR A -	
1G33*MOV040	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SB-0-25	CT-7	HLBI HARSH		ESA CISL	1 HR A -	
1G33*MOV042	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SHB-1-25 N/R FOR SAFETY FUNCTION	CT-7	HLBI HARSH		ESA -	N/R -	
1G33*MOV044	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SHB-0-10 N/R FOR SAFETY FUNCTION	CT-7	HLBI HARSH		ESA -	N/R -	
1G33*MOV046	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SHB-0-7.5 N/R FOR SAFETY FUNCTION	AB-114-7	HLBO HARSH		ESA -	N/R -	
1G33*MOV053	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SB-0-15	CT-7	HLBI HARSH		ESA CISL	1 HR A -	

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBHRG     ENVTYP  SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO           REMARKS     INSTSTAT SFN3  QRN3
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633 REACTOR WATER CLEAN-UP

1G33*MOVFO54	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SB-0-15	AB-114-2	HLBO HARSH	ESA CISL	1 HR A -
1G33*MOVF100	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-00-10 N/R FOR SAFETY FUNCTION	DW-1	HLBI HARSH	ESA -	N/R -
1G33*MOVF101	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-00-10 N/R FOR SAFETY FUNCTION	DW-1	HLBI HARSH	ESA -	N/R -
1G33*MOVF102	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-0-15 N/R FOR SAFETY FUNCTION	DW-1	HLBI HARSH	ESA -	N/R -
1G33*MOVF104	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-0-10 N/R FOR SAFETY FUNCTION	CT-7	HLBI HARSH	ESA -	N/R -
1G33*MOVF106	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-000-15 N/R FOR SAFETY FUNCTION	DW-1	HLBI HARSH	ESA -	N/R -
1G33*MOVF107	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-1-15 N/R FOR SAFETY FUNCTION	CT-7	HLBI HARSH	ESA -	N/R -
1G33*SOVF041	SOLENOID VALVE TARGET ROCK 247.501	TRCP1 77KK-001	AB-114-2	HLBO HARSH		1 HR A

HCS HYDROGEN RECOMBINER

1HCS*PWR51A	POWER SOURCE PANEL WESTINGHOUSE 224.520	WEST MODEL B	AB-141-1	HLBO HARSH	PANL EMPH	30 A -
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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBPRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                SPEC. NO          REMARKS                    INST:STAT SFN3  QRN3
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HCS HYDROGEN RECOMBINER

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBPRG	ENVTYP		SFN2	OC	QRN2
	PANEL/RACK	SPEC. NO	REMARKS		INST:STAT	SFN3		QRN3
1HCS*PHRS1B	POWER SOURCE PANEL WESTINGHOUSE	WEST MODEL B	AB-141-2	HLBO HARSH		PANL	30 A -	
	224.520					-		
1HCS*RBNR1A	HYDROGEN RECOMBINER WESTINGHOUSE	WEST MODEL B	CT-G	HLBI HARSH		GCNT	30 A -	
	224.520					-		
1HCS*RBNR1B	HYDROGEN RECOMBINER WESTINGHOUSE	WEST MODEL B	CT-5A	HLBI HARSH		GCNT	30 A -	
	224.520					-		
1HCS*T/C4A	THERMOCOUPLE WESTINGHOUSE	CHROMELALUMEL TYPE K	CT-G					
	224.520							
1HCS*T/C4B	THERMOCOUPLE WESTINGHOUSE	CHROMELALUMEL TYPE K	CT-5A					
	224.520							
1HCS*T/C5A	THERMOCOUPLE WESTINGHOUSE	CHROMELALUMEL TYPE K	CT-G					
	224.520							
1HCS*T/C5B	THERMOCOUPLE WESTINGHOUSE	CHROMELALUMEL TYPE K	CT-5A					
	224.520							
1HCS*T/C6A	THERMOCOUPLE WESTINGHOUSE	CHROMELALUMEL TYPE K	CT-G					
	224.520							
1HCS*T/C6B	THERMOCOUPLE WESTINGHOUSE	CHROMELALUMEL TYPE K	CT-5A					
	224.520							

MARK NO	EQUIPMENT DESCRIPTION VENDOR PANEL/RACK	MAKE/MANUFACTURER MODEL/CATALOG NO. REMARKS	ENV. ZONE SUBMRG	EMRGCN ENVTYP	EQUALST INSTSTAT	SFN1 SFN2 SFN3	OP TIME OC	QRN1 QRN2 QRN3
*****								
HVF VENTILATION - FUEL BUILDING								
1HVF*A0D102	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740	FB-148-G	FHA HARSH	DISP	1 HR A	-	-
1HVF*A0D104	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740 REG.G.1.97	FB-148-G	FHA HARSH	DISP	1 HR A	-	-
1HVF*A0D112	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740	FB-148-G	FKA HARSH	DISP	1 HR A	-	-
1HVF*A0D137	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740 REG.G.1.97	FB-148-G	FHA HARSH	DISP	1 HR A	-	-
1HVF*A0D10A	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740	FB-148-1	FHA HARSH	DISP	24 HR A	-	-
1HVF*A0D20B	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740	FB-148-1	FHA HARSH	DISP	24 HR A	-	-
1HVF*A0D3A	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740	FB-148-1	FHA HARSH	DISP	24 HR A	-	-
1HVF*A0D3B	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740	FB-148-1	FHA HARSH	DISP	24 HR A	-	-
1HVF*A0D31A	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740	FB-148-1	FHA HARSH	DISP	24 HR A	-	-
1HVF*A0D31B	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740	FB-148-1	FHA HARSH	DISP	24 HR A	-	-

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENGIGN  EQUALST  SFN1  OP TCH  QRN1
              VENDOR                          MODEL/CATALOG NO.  SUB'RG    ENVTYP  INSTSTAT SFN2  OC      QRN2
              PANEL/RACK                    SPEC.NO           REMARKS    INSTSTAT SFN3  QRN3
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HVF VENTILATION - FUEL BUILDING

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	ENGIGN	EQUALST	SFN1	OP TCH	QRN1
	VENDOR	MODEL/CATALOG NO.	SUB'RG	ENVTYP	INSTSTAT	SFN2	OC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS			SFN3		QRN3
1HVF*A0033A	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	FB-148-1	FHA HARSH		DISP	24 HR A	
		215.480						
1HVF*A0033B	AIR OPERATED DAMPER QUALITY AIR DESIGN	ASCO,NMCO NP8321,EA740	FB-148-1	FHA HARSH		DISP	24 HR A	
		215.480						
1HVF*FE109	FLOW ELEMENT FLUID COMPONENTS	FCI FR72-4R	FB-148-2				24 HR A	
		247.433						
1HVF*FE32A	FLOW ELEMENT FLUID COMPONENTS	FCI FR72-4R	FB-148-1				24 HR A	
		247.433						
1HVF*FE32B	FLOW ELEMENT FLUID COMPONENTS	FCI FR72-4R	FB-148-1				24 HR A	
		247.433						
1HVF*FN3A	FAN MOTOR BUFFALO FORGE	WEST	FB-148-1	FHA HARSH		HVAC	24 HR A	
		215.400						
1HVF*FN3B	FAN MOTOR BUFFALO FORGE	WEST	FB-148-1	FHA HARSH		HVAC	24 HR A	
		215.400						
1HVF*FN7A	FAN MOTOR BUFFALO FORGE	WEST	FB-148-1	FHA HARSH		HVAC	24 HR A	
		215.400						
1HVF*FN7B	FAN MOTOR BUFFALO FORGE	WEST TBFC 143T	FB-148-1	FHA HARSH		HVAC	24 HR A	
		215.400						
1HVF*FS109	FLOW SWITCH FLUID COMPONENTS		FB-148-2	FHA HARSH		HVAC	24 HR A	
		247.433						



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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EHRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                          MODEL/CATALOG NO.  SUBMRG     ENVTYP   INSTSTAT SFN2  OC       QRN2
              PANEL/RACK          SPEC.NO           REMARKS
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MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EHRGCN	EQUALST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENVTYP	INSTSTAT	SFN2	OC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS					QRN3
*****								
HVF VENTILATION - FUEL BUILDING								
1HVF*SOV102	SOLENOID VALVE QUALITY AIR DESIGN	ASCO NP8321A5E	FB-148-G				1 HR A	
	215.480			HARSH				
1HVF*SOV104	SOLENOID VALVE QUALITY AIR DESIGN	ASCO NP8321A5E	FB-148-G				1 HR A	
	215.400			HARSH				
1HVF*SOV112	SOLENOID VALVE QUALITY AIR DESIGN	ASCO NP8321A5E	FB-148-G				1 HR A	
	215.480			HARSH				
1HVF*SOV137	SOLENOID VALVE QUALITY AIR DESIGN	ASCO NP8321A5E	FB-148-G				1 HR A	
	215.480			HARSH				
1HVF*SOV20A	SOLENOID VALVE QUALITY AIR DESIGN	ASCO NP8321A5E	FB-148-1				24 HR A	
	215.480			HARSH				
1HVF*SOV20B	SOLENOID VALVE QUALITY AIR DESIGN	ASCO NP8321A5E	FB-148-1				24 HR A	
	215.480			HARSH				
1HVF*SOV3A	SOLENOID VALVE QUALITY AIR DESIGN	ASCO NP8321A5E	FB-148-1				24 HR A	
	215.480			HARSH				
1HVF*SOV3B	SOLENOID VALVE QUALITY AIR DESIGN	ASCO NP8321A5E	FB-148-1				24 HR A	
	215.480			HARSH				
1HVF*SOV31A	SOLENOID VALVE QUALITY AIR DESIGN	ASCO NP8321A5E	FB-148-1				24 HR A	
	215.480			HARSH				
1HVF*SOV31B	SOLENOID VALVE QUALITY AIR DESIGN	ASCO NP8321A5E	FB-148-1				24 HR A	
	215.480			HARSH				

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCH  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUB' G    ENVTYP  SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO           REMARKS   INSTSTAT SFN3  QRN3
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HVF VENTILATION - FUEL BUILDING

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCH	EQUALST	SFN1	OP TIME	QRN1
1HVF*SOV33A	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	FB-148-1	HARSH			24 HR A	
1HVF*SOV33B	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	FB-148-1	HARSH			24 HR A	
1HVF*TS23A	TEMPERATURE SWITCH AMERICAN AIR FILTER 225.220		FB-148-1	HARSH			100D A	
1HVF*TS23B	TEMPERATURE SWITCH AMERICAN AIR FILTER 225.220		FB-148-1	HARSH			100D A	
1HVF*TS5A	TEMPERATURE SWITCH AMERICAN AIR FILTER 225.220		FB-148-1	HARSH			100D A	
1HVF*TS5B	TEMPERATURE SWITCH AMERICAN AIR FILTER 225.220		FB-148-1	HARSH			100D A	
1HVF*TT30A	TEMP TRANSMITTER ELECTROMECHANICS 242.444		FB-148-1	HARSH			24 HR A	
1HVF*TT30B	TEMP TRANSMITTER ELECTROMECHANICS 242.444		FB-148-1	HARSH			24 HR A	

HVN CHILLED WATER - VENTILATION

1HVN*MOV102	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-00-15	CT-G	NORM HARSH			HVAC 1 HR - A -	
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 MARK NO            EQUIPMENT DESCRIPTION            MAKE/MANUFACTURER    ENV. ZONE    EMRGCN    EQUALST    SFN1    OP TIME    QRN1  
                   VENDOR                                    MODEL/CATALOG NO.    SUBMRG       ENVTYP                    SFN2    OC            QRN2  
                   PANEL/RACK                    SPEC.NO                REMARKS                                    INSTSTAT    SFN3                    QRN3  
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HVR VENTILATION - REACTOR PLANT

1HVR-AOD10A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	NMCO EA740	AB-141-2	HLBO HARSH	DISP	1 HR	-	A	-
1HVR*AOD10B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	NMCO EA740	AB-141-2	HLBO HARSH	DISP	1 HR	-	A	-
1HVR*AOD142	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	NMCO EA740 REG.G.1.97	AB-141-6	HLBO HARSH	DISP	1 HR	-	A	-
1HVR*AOD143	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	NMCO EA740	AB-141-1	HLBO HARSH	DISP	1 HR	-	A	-
1HVR*AOD161	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	NMCO EA740	AB-141-2	HLBO HARSH	DISP	1 HR	-	A	-
1HVR*AOD162	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	NMCO EA740	AB-141-2	HLBO HARSH	DISP	1 HR	-	A	-
1HVR*AOD164	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	NMCO EA740	AB-141-1	HLBO HARSH	DISP	1 HR	-	A	-
1HVR*AOD18A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	NMCO EA740	AB-141-2	HLBO HARSH	DISP	100D	-	A	-
1HVR*AOD18B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	NMCO EA740	AB-141-2	HLBO HARSH	DISP	100D	-	A	-
1HVR*AOD214	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	NMCO EA740 REG.G.1.97	AB-141-6	HLBO HARSH	DISP	1 HR	-	A	-

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 MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE ENRGCN EQUALST SFN1 OP TIME QRN1  
 VENDOR MODEL/CATALOG NO. SUBMRG ENVTYP SFN2 OC QRN2  
 PANEL/RACK SPEC.NO REMARKS INSTSTAT SFN3 QRN3  
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HVR VENTILATION - REACTOR PLANT

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	ENRGCN	EQUALST	SFN1	OP TIME	QRN1
VENDOR	MODEL/CATALOG NO.	SUBMRG	ENVTYP	SFN2	OC	QRN2		
PANEL/RACK	SPEC.NO	REMARKS	INSTSTAT	SFN3	QRN3			
1HVR*AOD22A	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740	AB-141-3	HLBO HARSH		DISP -	100D A -	
					Y	-		
1HVR*AOD22B	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740	AB-141-3	HLBO HARSH		DISP -	100D A -	
1HVR*AOD23A	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740	AB-141-2	HLBO HARSH		DISP -	1 HR A -	
1HVR*AOD23B	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740	AB-141-2	HLBO HARSH		DISP -	1 HR A -	
1HVR*AOD245	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740	AB-141-2	HLBO HARSH		DISP -	1 HR A -	
					Y	-		
1HVR*AOD249	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740	AB-141-2	HLBO HARSH		DISP -	1 HR A -	
1HVR*AOD261	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740 REG.G.1.97	AB-141-6	HLBO HARSH		DISP -	1 HR A -	
1HVR*AOD262	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740 REG.G.1.97	AB-141-6				1 HR A	
1HVR*AOD263	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740 REG.G.1.97	AB-141-5				1 HR A	
1HVR*AOD264	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740 REG.G.1.97	AB-141-5				1 HR A	



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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EHRGCR  EQUALST  SFN1  OP TIME  QRN1
            VENDOR                      MODEL/CATALOG NO.  SUBMRG    ENVTYP  SFN2  OC      QRN2
            PANEL/RACK                   SPEC.NO           REMARKS    INSTSTAT SFN3  QRN3
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HVR VENTILATION - REACTOR PLANT

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EHRGCR	EQUALST	SFN1	OP TIME	QRN1
1HVR*AOV165	AIR OPERATED VALVE POSI-SEAL 228.241	NAHCO EA740-50100	AB-141-4				1 HR A	
1HVR*AOV166	AIR OPERATED VALVE POSI-SEAL 228.241	NAHCO EA740-50100	AB-141-3				1 HR A	
1HVR*FE111	FLOW ELEMENT FLUID COMPONENT 247.433	FCI FR72-4R	AB-141-1				100D A	
1HVR*FE113	FLOW ELEMENT FLUID COMPONENT 247.433	FCI FR72-4R	AB-141-2				100D A	
1HVR*FE163	FLOW ELEMENT FLUID COMPONENT 247.433	FCI FR72-4R	AB-141-2				100D A	
1HVR*FE28A	FLOW ELEMENT FLUID COMPONENTS 247.433	FCI FR72-4R	CT-G				100D A	
1HVR*FE28B	FLOW ELEMENT FLUID COMPONENTS 247.433	FCI FR72-4R	CT-G				100D A	
1HVR*FE28C	FLOW ELEMENT FLUID COMPONENTS 247.433	FCI FR72-4R	CT-G				100D A	
1HVR*FE29A	FLOW ELEMENT FLUID COMPONENTS 247.433	FCI FR72-4R	AB-170-1				100D A	
1HVR*FE29B	FLOW ELEMENT FLUID COMPONENTS 247.433	FCI F272-4R	AB-170-1				100D A	

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 MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE EMRGCN EQUALST SFN1 OP TIME QRN1  
 VENDOR MODEL/CATALOG NO. SUBMRG ENVTYP SFN2 OC QRN2  
 PANEL/RACK SPEC.NO REMARKS INSTSTAT SFN3 QRN3  
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HVR VENTILATION - REACTOR PLANT

1HVR*FE56A	FLOW ELEMENT FLUID COMPONENTS	FCI FR72-4R	AB-141-2				100D A		
	247.433								
1HVR*FE56B	FLOW ELEMENT FLUID COMPONENTS	FCI F272-4R	AB-141-2				100D A		
	247.433								
1HVR*FN11A	FAN MOTOR BUFFALO FORGE	WEST TBDP 445TS	AB-170-1	HLBO HARSH		HVAC	100D A -		
	215.400					-			
1HVR*FN11B	FAN MOTOR BUFFALO FORGE	WEST TBDP 445TS	AB-170-1	HLBO HARSH		HVAC	100D A -		
	215.400					-			
1HVR*FS29A	FLOW SWITCH FLUID COMPONENTS	FCI FR72-4R	AB-170-1	HLBO HARSH		ESA	100D A -		
	247.433					-			
1HVR*FS29B	FLOW SWITCH FLUID COMPONENTS	FCI FR72-4R	AB-170-1	HLBO HARSH		ESA	100D A -		
	247.433					-			
1HVR*FS56A	FLOW SWITCH FLUID COMPONENTS	FCI FR72-4R	AB-141-2				100D A		
	247.433								
1HVR*FS56B	FLOW SWITCH FLUID COMPONENTS	FCI FR72-4R	AB-141-2				100D A		
	247.433								
1HVR*PDT60A	DIFF PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK4	RSHT 1153DB3PA	AB-141-2	HLBO HARSH		HVR	100D A -		47481DA
	247.481					-			
1HVR*PDT60B	DIFF PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK3	RSHT 1153DB3PA	AB-141-2	HLBO HARSH		HVR	100D A -		47481BB
	247.481					-			



MARK NO	EQUIPMENT DESCRIPTION VENDOR PANEL/RACK	SPEC. NO	MAKE/MANUFACTURER MODEL/CATALOG NO. REMARKS	ENV. ZONE SUBMRG	EMRCCN ENVTP	EQUALST INSTSTAT	SFN1 SFN2 SFN3	OP TIME OC	QRN1 QRN2 QRN3
*****									
HVR VENTILATION - REACTOR PLANT									
1HVR*SOV142	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-6	HARSH			1 HR A	
1HVR*SOV143	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-1	HARSH			1 HR A	
1HVR*SOV147	SOLENOID VALVE POSI-SEAL	228.241	ASCO HV-206-832-6F	CT-G	HARSH			1 HR A	
1HVR*SOV148	SOLENOID VALVE POSI-SEAL	228.241	ASCO HV-206-832-6F	CT-5A	HARSH			1 HR A	
1HVR*SOV161	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-2	HARSH			1 HR A	
1HVR*SOV162	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-2	HARSH			1 HR A	
1HVR*SOV164	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-1	HARSH			1 HR A	
1HVR*SOV165	SOLENOID VALVE POSI-SEAL	228.241	ASCO HV-206-832-6F	AB-141-4	HARSH			1 HR A	
1HVR*SOV166	SOLENOID VALVE POSI-SEAL	228.241	ASCO HV-206-832-6F	AB-141-3	HARSH			1 HR A	
1HVR*SOV18A	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-2	HARSH			100D A	



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MARK NO      EQUIPMENT DESCRIPTION      MAKE/HANUFACTURER  ENV. ZONE  ENRGCH  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK          SPEC.NO           REMARKS                    INSTSTAT SFN3      QRN3
*****
  
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HVR VENTILATION - REACTOR PLANT

MARK NO	EQUIPMENT DESCRIPTION	MAKE/HANUFACTURER	ENV. ZONE	ENRGCH	EQUALST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENVTYP		SFN2	OC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS		INSTSTAT	SFN3		QRN3
1HVR*SOV16B	SOLENOID VALVE QUALITY AIR DESIGN	ASCO NP8321A5E	AB-141-2				100D A	
	215.480			HARSH				
1HVR*SOV214	SOLENOID VALVE QUALITY AIR DESIGN	ASCO NP8321A5E	AB-141-6				1 HR A	
	215.480			HARSH				
1HVR*SOV22A	SOLENOID VALVE QUALITY AIR DESIGN	ASCO NP8321A5E	AB-141-3				100D A	
	215.480			HARSH				
1HVR*SOV22B	SOLENOID VALVE QUALITY AIR DESIGN	ASCO NP8321A5E	AB-141-3				100D A	
	215.480			HARSH				
1HVR*SOV23A	SOLENOID VALVE QUALITY AIR DESIGN	ASCO NP8321A5E	AB-141-2				1 HR A	
	215.480			HARSH				
1HVR*SOV23B	SOLENOID VALVE QUALITY AIR DESIGN	ASCO NP8321A5E	AB-141-2				1 HR A	
	215.480			HARSH				
1HVR*SOV245	SOLENOID VALVE QUALITY AIR DESIGN	ASCO NP8321A5E	AB-141-2				1 HR A	
	215.480			HARSH				
1HVR*SOV249	SOLENOID VALVE QUALITY AIR DESIGN	ASCO NP8321A5E	AB-141-2				1 HR A	
	215.480			HARSH				
1HVR*SOV261	SOLENOID VALVE QUALITY AIR DESIGN	ASCO NP8321A5E	AB-141-6				1 HR A	
	215.480			HARSH				
1HVR*SOV262	SOLENOID VALVE QUALITY AIR DESIGN	ASCO NP8321A5E	AB-141-6				1 HR A	
	215.480			HARSH				





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*****
MARK NO      EQUIPMENT DESCRIPTION    MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  CC      QRN2
              PANEL/RACK                SPEC.NO           REMARKS    INSTSTAT SFN3   QRN3
*****
```

IAS INSTRUMENT AIR

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENVTYP		SFN2	CC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS		INSTSTAT	SFN3		QRN3
1IAS*HOV106	MOTOR OPERATED VALVE VELAN	LHTQ SMB-000-5	AB-114-6	HLBO HARSH		CISL LCS	1HR A -	
	228.212				Y	-		
1IAS*HOV107	MOTOR OPERATED VALVE VELAN	LHTQ SMB-000-5	AB-114-6	HLBO HARSH		CISL LCS	1HR A -	
	228.212				Y	-		
1IAS*PT39A	PRESSURE TRANSMITTER ROSEMOUNT	RSMT 1153GB7	AB-141-5	HLBO HARSH		N/A -	1HR A	47481BG
	247.481	QA CAT II ALARM ONLY			Y	-		
1IAS*PT39B	PRESSURE TRANSMITTER ROSEMOUNT	RSMT 1153GB7	AB-141-6	HLBO HARSH		N/A -	1HR A	47481BH
	247.481	QA CAT II ALARM ONLY			Y	-		
1IAS*PT43A	PRESSURE TRANSMITTER ROSEMOUNT	RSMT 1153GB7	FB-148-G	FHA HARSH		N/A -	1HR A	47481BI
	247.481	QA CAT II ALARM ONLY			Y	-		
1IAS*PT43B	PRESSURE TRANSMITTER ROSEMOUNT	RSMT 1153GB7	FB-148-G	FHA HARSH		N/A -	1HR A	47481BJ
	247.481	QA CAT II ALARM ONLY			Y	-		
1IAS*PT48A	PRESSURE TRANSMITTER ROSEMOUNT	RSMT 1153GB7	AB-141-5	HLBO HARSH		BCNT -	1HR A -	47481BK
	247.481				Y	-		
1IAS*PT48B	PRESSURE TRANSMITTER ROSEMOUNT	RSMT 1153GB7	AB-141-6	HLBO HARSH		BCNT -	1HR A -	47481BL
	247.481				Y	-		
1IAS*PT49A	PRESSURE TRANSMITTER ROSEMOUNT	RSMT 1153GB7	FB-148-G	FHA HARSH		BCNT -	1HR A -	47481BM
	247.481				Y	-		
1IAS*PT49B	PRESSURE TRANSMITTER ROSEMOUNT	RSMT 1153GB7	FB-148-G	FHA HARSH		BCNT -	1HR A -	47481BN
	247.481				Y	-		

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCN  EQUALST  SFN1  OF TIME  QRN1
            VENDOR                      MODEL/CATALOG NO.  SUBHRG    ENVTYP  INSTSTAT SFN2  OC      QRN2
            PANEL/RACK                  SPEC.NO           REMARKS    INSTSTAT SFN3  QRN3
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IAS INSTRUMENT AIR

1IAS*SOV41A	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-005	AB-141-5	HLBO HARSH		BCNT	1HR	
						Y	-	A	-
1IAS*SOV41B	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-005	AB-141-6	HLBO HARSH		BCNT	1HR	
							-	A	-
1IAS*SOV45A	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-005	FB-148-G	FHA HARSH		BCNT	1HR	
						Y	-	A	-
1IAS*SOV45B	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-005	FB-148-G	FHA HARSH		BCNT	1HR	
						Y	-	A	-
ICS REACTOR CORE ISOLATION COOLING									
1ICS*SOV102	SOLENOID VALVE ATHOOD & MORRILL	228.218		AB-114-2					N/R
			N/R FOR SAFETY FUNCTION		HARSH				
1ICS*SOV103	SOLENOID VALVE ATHOOD & MORRILL	228.218		DW-4					N/R
			N/R FOR SAFETY FUNCTION		HARSH				
ISC									
1ISC*PT101	PRESSURE TRANSMITTER ROSEMOUNT	247.481	RSHT 1153GB9PA N/R FOR POST ACCIDENT	CT-6					N/R 4748180
					HARSH				
JPB SUPERSTRUCTURE - PRIMARY AUXILIARY BUILDING									
1JPB*RAK1	INSTRUMENT RACK MERCURY	247.411	MERC NONE,UNIQUE	AB-095-6	HLBO HARSH				100D A
						Y			

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG    ENVTYP              SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO           REMARKS                    INSTSTAT SFN3              QRN3
*****
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J<sup>1</sup>B SUPERSTRUCTURE - PRIMARY AUXILIARY BUILDING

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1
1JPB*RAK2	INSTRUMENT RACK MERCURY	MERC NONE,UNIQUE	AB-095-6	HLBO HARSH		RACK	100D A -	
	247.411				Y	-		
1JPB*RAK3	INSTRUMENT RACK MERCURY	MERC NONE,UNIQUE	AB-141-2	HLBO HARSH		RACK	100D A -	
	247.411				Y	-		
1JPB*RAK4	INSTRUMENT RACK MERCURY	MERC NONE,UNIQUE	AB-141-1	HLBO HARSH		RACK	100D A -	
	247.411				Y	-		

JRB SUPERSTRUCTURE - REACTOR BUILDING

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1
1JRB*DRA1(JBE)	DOOR ACCESS GRAVER		AB-170-1				100D A	
	219.711							
1JRB*DRA1(JBF)	DOOR ACCESS GRAVER		AB-170-1				100D A	
	219.711							
1JRB*DKA2(JBE)	DOOR ACCESS GRAVER		FB-113-G				100D A	
	219.711							
1JRB*DRA2(JBF)	DOOR ACCESS GRAVER		FB-113-G				100D A	
	219.711							
1JRB*SOV15	SOLENOID VALVE GRAVER		AB-170-1				1HR A	
	219.711							
1JRB*SOV25	SOLENOID VALVE GRAVER		FB-113-G				1HR A	
	219.711							

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RBS-ENVIRONMENTAL QUALIFICATION DATA MASTER LIST  
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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER   ENV. ZONE   EMRGCH   EQUALST   SFN1   OP TIME   QRN1
              VENDOR                          MODEL/CATALOG NO.   SUBMRG     ENVTYP   SFN2   OC       QRN2
              PANEL/RACK          SPEC.NO             REMARKS                INSTSTAT SFN3   QRN3
*****
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JRB SUPERSTRUCTURE - REACTOR BUILDING

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1JRB*ZS16    POSITION SWITCH GRAVER                AB-170-1    HARSH                1HR
              219.711                                     A

1JRB*ZS17    POSITION SWITCH GRAVER                AB-170-1    HARSH                1HR
              219.711                                     A

1JRB*ZS26    POSITION SWITCH GRAVER                FB-113-G    HARSH                1HR
              219.711                                     A

1JRB*ZS27    POSITION SWITCH GRAVER                FB-113-G    HARSH                1HR
              219.711                                     A
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LDS LEAK DETECTION SYSTEM

```
1LDS*RTD1A   RTD PYCO                PYCO                AB-095-10    HARSH                1 HR
              211.161                122-3046-04        A

1LDS*RTD1B   RTD PYCO                PYCO                AB-095-10    HARSH                1 HR
              211.161                122-3046-04        A

1LDS*RTD1C   RTD PYCO                PYCO                AB-095-10    HARSH                1 HR
              211.161                122-3046-04        A

1LDS*RTD1D   RTD PYCO                PYCO                AB-095-10    HARSH                1 HR
              211.161                122-3046-04        A

1LDS*RTD2A   RTD PYCO                PYCO                AB-114-7     HARSH                1 HR
              211.161                122-3046-04        A
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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO           REMARKS    INSTSTAT SFN3   QRN3
*****
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LDS LEAK DETECTION SYSTEM

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	ENRGCN	EQUALST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENVTYP		SFN2	OC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS		INSTSTAT	SFN3		QRN3
1LDS*RTD2B	RTD PYCO	PYCO 122-3046-04	AB-114-7	HARSH			1 HR A	
		211.161						
1LDS*RTD2C	RTD PYCO	PYCO 122-3046-04	AB-114-7	HARSH			1 HR A	
		211.161						
1LDS*RTD2D	RTD PYCO	PYCO 122-3046-04	AB-114-7	HARSH			1 HR A	
		211.161						
1LDS*RTD3A	RTD PYCO	PYCO 122-3046-04	TB-123-2	HARSH			1 HR A	
		211.161						
1LDS*RTD3B	RTD PYCO	PYCO 122-3046-04	TB-123-2	HARSH			1 HR A	
		211.161						
1LDS*RTD3C	RTD PYCO	PYCO 122-3046-04	TB-123-2	HARSH			1 HR A	
		211.161						
1LDS*RTD3D	RTD PYCO	PYCO 122-3046-04	TB-123-2	HARSH			1 HR A	
		211.161						
1LDS*RTD4A	RTD PYCO	PYCO 122-3046-04	TB-095-2	HARSH			1 HR A	
		211.161						
1LDS*RTD4B	RTD PYCO	PYCO 122-3046-04	TB-095-2	HARSH			1 HR A	
		211.161						
1LDS*RTD4C	RTD PYCO	PYCO 122-3046-04	RB-095-2	HARSH			1HR A	
		211.161						



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 ISSUE DATE: 06/29/84

RBS-ENVIRONMENTAL QUALIFICATION DATA MASTER LIST  
 SORTED BY MARK NO - HARSH ENVIRONMENT ONLY

\*\*\*\*\*  
 MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE ENRGCH EQUALST SFN1 OP TIME QRN1  
 VENDOR MODEL/CATALOG NO. SUBMRG ENVTYP SFN2 OC QRN2  
 PANEL/RACK SPEC.NO REMARKS INSTSTAT SFN3 QRN3  
 \*\*\*\*\*

LDS LEAK DETECTION SYSTEM

1LDS\*RTD4D RTD PYCO TB-095-2 1 HR  
 PYCO 122-3046-04 HARSH A  
 211.161

LSV LEAKAGE CONTROL - PENETRATION VALVE

1LSV\*C3A COMPRESSOR AB-141-2 100 D  
 SUPERPRESSURE,INC. HARSH A  
 221.512

1LSV\*C3B COMPRESSOR AB-141-3 100 D  
 SUPERPRESSURE,INC. HARSH A  
 221.512

1LSV\*FE20A FLOW ELEMENT FCI AB-141-2 30 D  
 FLUID COMPONENTS FR72-4R HARSH A  
 247.433

1LSV\*FE20B FLOW ELEMENT FCI AB-141-2 30 D  
 FLUID COMPONENTS FR72-4R HARSH A  
 247.433

1LSV\*FS20A FLOW SWITCH FCI AB-141-2 HLBO LCS 30 D  
 FLUID COMPONENTS FR72-4R HARSH - A -  
 247.433

1LSV\*FS20B FLOW SWITCH FCI AB-141-3 HLBO LCS 30 D  
 FLUID COMPONENTS FR72-4R HARSH - A -  
 247.433

1LSV\*MOV11A MOTOR OPERATED VALVE LMTQ AB-141-2 HLBO LCS 30 D  
 VELAN SHC-04-2 HARSH BCNT A -  
 228.214

1LSV\*MOV11B MOTOR OPERATED VALVE LMTQ AB-141-2 HLBO LCS 30 D  
 VELAN SHC-04-2 HARSH BCNT A -  
 228.214

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO           REMARKS    INSTSTAT SFN3      QRN3
*****
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LSV LEAKAGE CONTROL - PENETRATION VALVE

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1
1LSV*HOV13A	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SMC-04-2	AB-141-4	HLBO HARSH	Y	LCS BCNT	30 D A -	-
1LSV*HOV13B	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SMC-04-2	AB-141-2	HLBO HARSH		LCS BCNT	30 D A -	-
1LSV*HOV15A	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SMC-04-3	AB-095-10	HLBO HARSH		LCS BCNT	30 D A -	-
1LSV*HOV15B	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SMC-04-3	AB-141-2	HLBO HARSH		LCS BCNT	30 D A -	-
1LSV*HOV16A	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SMC-04-3	AB-095-10	HLBO HARSH		LCS BCNT	30 D A -	-
1LSV*HOV16B	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SMC-04-3	AB-141-2	HLBO HARSH		LCS BCNT	30 D A -	-
1LSV*HOV19A	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SMB-000-2	AB-141-2	HLBO HARSH		LCS BCNT	30 D A -	-
1LSV*HOV19B	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SMB-000-2	AB-141-3	HLBO HARSH		LCS BCNT	30 D A -	-
1LSV*M2A	MOTOR TO DRIVE COMPRESSOR SUPERPRESSURE INC. ILSV*SKD9A 221.512	RELI 254T	AB-141-2	HLBO HARSH		LCS -	100D A -	-
1LSV*M2B	MOTOR TO DRIVE COMPRESSOR SUPERPRESSURE INC. ILSV*SKD9B 221.512	RELI 254T	AB-141-3	HLBO HARSH		LCS -	100D A -	-

\*\*\*\*\*  
 MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE EMRGCN EQUALST SFN1 OP TIME QRN1  
 VENDOR MODEL/CATALOG NO. SUBMRG ENVTYP SFN2 OC QRN2  
 PANEL/RACK SPEC.NO REMARKS INSTSTAT SFN3 QRN3  
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LSV LEAKAGE CONTROL - PENETRATION VALVE

1LSV*PT10A	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-141-2	HLBO HARSH	LCS - -	30 D A -	47481BP
1LSV*PT10B	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-141-2	HLBO HARSH	LCS - -	30 D A -	47461BQ
1LSV*PT12A	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-141-2	HLBO HARSH	LCS - -	30 D A -	47481BR
1LSV*PT12B	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-141-2	HLBO HARSH	LCS - -	30 D A -	47481BS
1LSV*PT14A	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-114-6	HLBO HARSH	LCS - -	30 D A -	47481BT
1LSV*PT14B	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GP7	AB-141-2	HLBO HARSH	LCS - -	30 D A -	47481BU
1LSV*PT17A	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-095-2	HLBO HARSH	LCS - -	30 D A -	47481BV
1LSV*PT17B	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-141-2	HLBO HARSH	LCS - -	30 D A -	47481BW
1LSV*PT21A	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-114-6	HLBO HARSH	LCS - -	30 D A -	47481BX
1LSV*PT21B	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-114-5	HLBO HARSH	LCS - -	30 D A -	47481BY







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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EHRGCH  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG    ENVTYP  INSTSTAT SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO           REMARKS                                     INSTSTAT SFN3  QRN3
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NGP CABLE

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EHRGCH	EQUALST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENVTYP	INSTSTAT	SFN2	OC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS			SFN3		QRN3
INGP32	600 VOLT CONTROL CABLE OKONITE 241.240	OKON NONE	VARIOUS	N/A HARSH		N/A	100D A -	
INGP33	600 VOLT CONTROL CABLE OKONITE 241.240	OKON NONE	VARIOUS	N/A HARSH		N/A	100D A -	
INGP36	600 VOLT CONTROL CABLE OKONITE 241.240	OKON NONE	VARIOUS	N/A HARSH			100D A	
INGP37	600 VOLT CONTROL CABLE OKONITE 241.240	OKON NONE	VARIOUS	N/A HARSH			100D A	
INGP42	600 VOLT CONTROL CABLE OKONITE 241.234	OKON NONE	VARIOUS	N/A HARSH			100D A	
INGP50	600 VOLT POWER CABLE OKONITE 241.234	OKON NONE	VARIOUS	N/A HARSH		N/A	100D A -	
INGP51	600 VOLT POWER CABLE OKONITE 241.234	OKON NONE	VARIOUS	N/A HARSH		N/A	100D A -	
INGP52	600 VOLT POWER CABLE OKONITE 241.234	OKON NONE	VARIOUS	N/A HARSH		N/A	100D A -	
INGP53	600 VOLT POWER CABLE OKONITE 241.234	OKON NONE	VARIOUS	N/A HARSH		N/A	100D A -	
INGP54	600 VOLT POWER CABLE OKONITE 241.234	OKON NONE	VARIOUS	N/A HARSH		N/A	100D A -	

06/29/84  
 REVISION: 1  
 ISSUE DATE: 06/29/84

RBS-ENVIRONMENTAL QUALIFICATION DATA MASTER LIST  
 SORTED BY MARK NO - HARSH ENVIRONMENT ONLY

MARK NO	EQUIPMENT DESCRIPTION VENDOR PANEL/RACK	SPEC NO	MAKE/MANUFACTURER MODEL/CATALOG NO. REMARKS	ENV. ZONE SUBMRG	ENRGCN ENVTP	EQUALST INSTSTAT	SFN1 SFN2 SFN3	OP TIME OC	QRN1 QRN2 QRN3
NGP CABLE									
INGP55	600 VOLT POWER CABLE OKONITE	241.234	OKON NONE	VARIOUS	N/A HARSH		N/A	1000 A -	
INGP56	600 VOLT POWER CABLE OKONITE	241.234	OKON NONE	VARIOUS	N/A HARSH		N/A	1000 A -	
INGP57	600 VOLT POWER CABLE OKONITE	241.234	OKON NONE	VARIOUS	N/A HARSH		N/A	1000 A -	
INGP58	600 VOLT POWER CABLE OKONITE	241.234	OKON NONE	VARIOUS	N/A HARSH		N/A	1000 A -	
INGP59	600 VOLT POWER CABLE OKONITE	241.234	OKON NONE	VARIOUS	N/A HARSH		N/A	1000 A -	
INGP61	ROCKBESTOS	241.242		VARIOUS	N/A HARSH			1000 A	
INGP62	ROCKBESTOS	241.242		VARIOUS	N/A HARSH			1000 A	
INGP63	SPECIAL INST. CABLE BRAND-REX	241.246		VARIOUS	N/A HARSH			1000 A	
INGP67	ROCKBESTOS	241.242		VARIOUS	N/A HARSH			1000 A	
INGP68	ROCKBESTOS	241.242		VARIOUS	N/A HARSH			1000 A	



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 MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE ENRGCN EQUALST SFN1 OP TIME QRN1  
 VENDOR MODEL/CATALOG NO. SUBMRG ENVTYP SFN2 OC QRN2  
 PANEL/RACK SPEC.NO REMARKS INSTSTAT SFM3 QRN3  
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NGP CABLE

1NGP70	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS 241.242	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -
1NGP71	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS 241.242	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -
1NGP72	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS 241.242	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -
1NGP73	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS 241.242	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -
1NGP75	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS 241.242	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -
1NGP76	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS 241.242	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -
1NGP77	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS 241.242	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -
1NGP78	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS 241.242	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -
1NGP80	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS 241.242	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -
1NGP81	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS 241.242	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -



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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRG/CH  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK          REC.NO           REMARKS                    INSTSTAT SFN3      QRN3
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MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	ENRG/CH	EQUALST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENVTYP		SFN2	OC	QRN2
	PANEL/RACK	REC.NO	REMARKS		INSTSTAT	SFN3		QRN3
*****								
NGS CABLE								
INGS02	THERMOCOUPLE EXT. WIRE CABLE ROCHBESTOS	ROCK NONE	VARIOUS	N/A HARSH		N/A	100D A -	
	241.243							
INGS03	THERMOCOUPLE EXT. WIRE CABLE ROCHBESTOS	ROCK NONE	VARIOUS	N/A HARSH		N/A	100D A -	
	241.243							
INGS05	THERMOCOUPLE EXT. WIRE CABLE ROCHBESTOS	ROCK NONE	VARIOUS	N/A HARSH		N/A	100D A -	
	241.243							
INGS06	THERMOCOUPLE EXT. WIRE CABLE ROCHBESTOS	ROCK NONE	VARIOUS	N/A HARSH		N/A	100D A	
	241.243							
INGS11	SPECIAL INSTRUMENTATION CABLE BRAND REX	BNRX NONE	VARIOUS	N/A HARSH		N/A	100D A	
	241.246							
INGS12	SPECIAL INSTRUMENTATION CABLE BRAND REX	BNRX NONE	VARIOUS	N/A HARSH		N/A	100D A -	
	241.246							
INGS13	SPECIAL INSTRUMENTATION CABLE BRAND REX	BNRX NONE	VARIOUS	N/A HARSH		N/A	100D A -	
	241.246							
INGS14	SPECIAL INSTRUMENTATION CABLE BRAND REX	BNRX NONE	VARIOUS	N/A HARSH		N/A	100D A -	
	241.246							
INGS15	SPECIAL INSTRUMENTATION CABLE BRAND REX	BNRX NONE	VARIOUS	N/A HARSH		N/A	100D A	
	241.246							
INGS17	SPECIAL INSTRUMENTATION CABLE BRAND REX	BNRX NONE	VARIOUS	N/A HARSH		N/A	100D A -	
	241.246							





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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG    ENVTYP          SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO           REMARKS          INSTSTAT SFN3          QRN3
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RCP ELECTRICAL PENETRATIONS

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1
1RCP*LVC10A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE, UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH		PNIT	100D A	
1RCP*LVC11	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE, UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH		PNIT	100D A	
1RCP*LVC11A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE, UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH		PNIT	100D A	
1RCP*LVC13A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE, UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH		PNIT	100D A	
1RCP*LVC18	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE, UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH		PNIT	100D A	
1RCP*LVC18A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE, UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH		PNIT	100D A	
1RCP*LVC19A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE, UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH		PNIT	100D A	
1RCP*LVC20A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE, UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH		PNIT	100D A	
1RCP*LVC21	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE, UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH		PNIT	100D A	
1RCP*LVC21A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE, UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH		PNIT	100D A	



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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG    ENVTYP  SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO           REMARKS    INSTSTAT SFN3  QRN3
*****
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RCP ELECTRICAL PENETRATIONS

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENVTYP		SFN2	OC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS		INSTSTAT	SFN3		QRN3
1RCP*LV117C	ELECTRICAL PENETRATION ASSY CONAX CORP	CONX NONE,UNIQUE	CT-6	HLBI HARSH			PNIT 100D A	
		241.211	HLBI FOR INBOARD END, REMAINDER TRNS					
1RCP*LVP03	ELECTRICAL PENETRATION ASSY CONAX CORP	CONX NONE,UNIQUE	CT-7A	HLBI HARSH			PNIT 100D - A -	
		241.211	HLBI FOR INBOARD END, REMAINDER TRNS					
1RCP*LVP03A	ELECTRICAL PENETRATION ASSY CONAX CORP	CONX NONE,UNIQUE	CT-7A	HLBI HARSH			PNIT 100D A	
		241.211	HLBI FOR INBOARD END, REMAINDER TRNS					
1RCP*LVP04	ELECTRICAL PENETRATION ASSY CONAX CORP	CONX NONE,UNIQUE	CT-7A	HLBI HARSH			PNIT 100D - A -	
		241.211	HLBI FOR INBOARD END, REMAINDER TRNS					
1RCP*LVP04A	ELECTRICAL PENETRATION ASSY CONAX CORP	CONX NONE,UNIQUE	CT-7A	HLBI HARSH			PNIT 100D A	
		241.211	HLBI FOR INBOARD END, REMAINDER TRNS					
1RCP*LVP07	ELECTRICAL PENETRATION ASSY CONAX CORP	CONX NONE,UNIQUE	CT-7A	HLBI HARSH			PNIT 100D A	
		241.211	HLBI FOR INBOARD END, REMAINDER TRNS					
1RCP*LVP07A	ELECTRICAL PENETRATION ASSY CONAX CORP	CONX NONE,UNIQUE	CT-7A	HLBI HARSH			PNIT 100D - A -	
		241.211	HLBI FOR INBOARD END, REMAINDER TRNS					
1RCP*LVP08	ELECTRICAL PENETRATION ASSY CONAX CORP	CONX NONE,UNIQUE	CT-5A	HLBI HARSH			PNIT 100D A	
		241.211	HLBI FOR INBOARD END, REMAINDER TRNS					
1RCP*LVP08A	ELECTRICAL PENETRATION ASSY CONAX CORP	CONX NONE,UNIQUE	CT-5A	HLBI HARSH			PNIT 100D - A -	
		241.211	HLBI FOR INBOARD END, REMAINDER TRNS					
1RCP*LVP09	ELECTRICAL PENETRATION ASSY CONAX CORP	CONX NONE,UNIQUE	CT-6	HLBI HARSH			PNIT 100D A	
		241.211	HLBI FOR INBOARD END, REMAINDER TRNS					



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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG    ENVTYP                    SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO           REMARKS                    INSTSTAT SFN3                    QRN3
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RCP ELECTRICAL PENETRATIONS

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1
1RCP*LV09A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH		PNIT	100D A	
1RCP*LV16	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH		PNIT	100D A	
1RCP*LV16A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR I'BOARD END, REMAINDER TRNS	CT-G	HLBI HARSH		PNIT	100D A	
1RCP*LV22	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH		PNIT	100D A	
1RCP*LV22A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END,REMAINDER TRNS	CT-G	HLBI HARSH		PNIT	100D A	
1RCP*MVP01	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH		PNIT	100D A	
1RCP*MVP02	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH		PNIT	100D A	
1RCP*NNS10	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH		PNIT	100D A	
1RCP*NNS13	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH		PNIT	100D A	
1RCP*NNS19	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH		PNIT	100D A	



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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EHRGCH  EQUAL ST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP                    SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO           REMARKS                    INSTSTAT SFN3                    QRN3
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RCP ELECTRICAL PENETRATIONS

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EHRGCH	EQUAL ST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENVTYP		SFN2	OC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS		INSTSTAT	SFN3		QRN3
1RCP*TCA10	TERMINAL CABINET PECP	N/A	AB-114-5	HLBO HARSH		RACK	100D	
		242.491			Y	-	A	-
1RCP*TCA11	TERMINAL CABINET PECP	N/A	AB-141-4	HLBO HARSH		RACK	N/R	
		242.491	N/R FOR SAFETY FUNCTION		Y	-		-
1RCP*TCA12	TERMINAL CABINET PECP	N/A	AB-141-4	HLBO HARSH		RACK	100D	
		242.491			Y	-	A	-
1RCP*TCA13	TERMINAL CABINET PECP	N/A	AB-141-4	HLBO HARSH		RACK	N/R	
		242.491	N/R FOR SAETY FUNCTION		Y	-	A	-
1RCP*TCA14	TERMINAL CABINET PECP	N/A	AB-141-3	HLBO HARSH		RACK	N/R	
		242.491	N/R FOR SAFETY FUNCTION		Y	-	A	-
1RCP*TCA15	TERMINAL CABINET PECP	N/A	AB-141-3	HLBO HARSH		RACK	100D	
		242.491			Y	-	A	-
1RCP*TCA16	TERMINAL CABINET PECP	N/A	AB-141-3	HLBO HARSH		RACK	N/R	
		242.491	N/R FOR SAFETY FUNCTION		Y	-	A	-
1RCP*TCF01	TERMINAL CABINET PECP	N/A	FB-113-G	FHA HARSH		RACK	100D	
		242.491			Y	-	A	-
1RCP*TCF02	TERMINAL CABINET PECP	N/A	FB-113-G	FHA HARSH		RACK	N/R	
		242.491	N/R FOR SAFETY FUNCTION			-	A	-
1RCP*TCF03	TERMINAL CABINET PECP	N/A	FB-113-G	FHA HARSH		RACK	100D	
		242.491			Y	-	A	-

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBHRG     ENVTYP   INSTSTAT SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO           REMARKS                    SFN3      QRN3
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RCP ELECTRICAL PENETRATIONS

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1
1RCP*TCF04	TERMINAL CABINET PECP	N/A	FB-113-G	FHA HARSH		RACK	100D A	-
	242.491							
1RCP*TCR01A	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	-
	242.491	N/R FOR SAFETY FUNCTION						
1RCP*TCR01F	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	-
	242.491	N/R FOR SAFETY FUNCTION			Y			
1RCP*TCR02A	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	-
	242.491	N/R FOR SAFETY FUNCTION			Y			
1RCP*TCR02F	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	-
	242.491	N/R FOR SAFETY FUNCTION						
1RCP*TCR03A	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	-
	242.491	N/R FOR SAFETY FUNCTION						
1RCP*TCR03F	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	-
	242.491	N/R FOR SAFETY FUNCTION			Y			
1RCP*TCR04A	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	-
	242.491	N/R FOR SAFETY FUNCTION			Y			
1RCP*TCR04F	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	-
	242.491	N/R FOR SAFETY FUNCTION			Y			
1RCP*TCR05A	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	-
	242.491	N/R FOR SAFETY FUNCTION			Y			



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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBHRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO           REMARKS                    INSTSTAT SFN3      QRN3
*****
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RCP ELECTRICAL PENETRATIONS

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1RCP*TCR16A    TERMINAL CABINET      N/A          CT-5A      HLBI
                PECP                                     HARSH
                242.491    N/R FOR SAFETY FUNCTION  Y          RACK N/R
                -          A  -
                -          -
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RCS REACTOR COOLANT

```
1RCS*MOV58A    MOTOR OPERATED VALVE  LMTQ          CT-G
                VELAN                      SMB-000-2     HARSH
                228.216
                1HR
                A
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1RCS*MOV58B    MOTOR OPERATED VALVE  LMTQ          CT-G
                VELAN                      HARSH
                228.216
                1HR
                A
```

```
1RCS*MOV59A    MOTOR OPERATED VALVE  LMTQ          CT-G
                VELAN                      SMB-000-2     HARSH
                228.216
                1HR
                A
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```
1RCS*MOV59B    MOTOR OPERATED VALVE  LMTQ          CT-5A
                VELAN                      SMB-000-2     HARSH
                228.216
                1HR
                A
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```
1RCS*MOV60A    MOTOR OPERATED VALVE  LMTQ          CT-G
                VELAN                      SMB-000-2     HLBI
                228.216    HARSH
                Y          CISL 1HR
                -          A  -
                -          -
```

```
1RCS*MOV60B    MOTOR OPERATED VALVE  LMTQ          CT-5A
                VELAN                      SMB-000-2     HLBI
                228.216    HARSH
                CISL 1HR
                -          A  -
                -          -
```

```
1RCS*MOV61A    MOTOR OPERATED VALVE  LMTQ          CT-G
                VELAN                      SMB-000-2     HLBI
                228.216    HARSH
                Y          CISL 1HR
                -          -
                -          -
```

```
1RCS*MOV61B    MOTOR OPERATED VALVE  LMTQ          CT-5A
                VELAN                      SMB-000-2     HLBI
                228.216    HARSH
                CISL 1HR
                -          -
                -          -
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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCH  EQUALST  SFN1  OP TIME  QRN1
            VENDOR                      MODEL/CATALOG NO.  SUBMRG    ENVTYP   SFN2  OC      QRN2
            PANEL/RACK                  SPEC.NO           REMARKS    INSTSTAT SFN3      QRN3
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RHS RESIDUAL HEAT REMOVAL SYSTEM

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCH	EQUALST	SFN1	OP TIME	QRN1
1RHS*FT15B	PRESSURE TRANSHITTER ROSEMOUNT 247.481	RSMT 1153DB6PA N/R FOR POST ACCIDENT	AB-095-5	HARSH	Y		N/R	47481CF
1RHS*FT15C	PRESSURE TRANSHITTER ROSEMOUNT 247.481	RSMT 1153DB6PA N/R FOR POST ACCIDENT	AB-095-6	HARSH	Y		N/R	47481CG
1RHS*LT119	PRESSURE TRANSHITTER ROSEMOUNT 247.481	RSMT 1153DBGPA N/R FOR POST ACCIDENT	CT-G	HARSH			N/R	47481CH
1RHS*RTD47A	RTD PYCO 247.461	PYCO 122-4030-04 REG.G.1.97	AB-070-8	HARSH	Y		100D A	
1RHS*RTD47B	RTD PYCO 247.461	PYCO 122-4030-04 REG.G.1.97	AB-070-7	HARSH	Y		100 D A	

RHS RADIATION MONITORING

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCH	EQUALST	SFN1	OP TIME	QRN1
1RHS*REX125	RADIOACTIVITY ELEMENT G A TECH 247.250		AB-170-1	HARSH			100D A	
1RHS*REX5A	RADIOACTIVITY ELEMENT G A TECH 247.250		FB-148-G	HARSH			100D A	
1RHS*RE11A	RADIOACTIVITY ELEMENT G A TECH 247.250		AB-170-2	HARSH			100D A	
1RHS*RE11B	RADIOACTIVITY ELEMENT G A TECH 247.250		AB-170-2	HARSH			100D A	

06/29/84  
 REVISION: 1  
 ISSUE DATE: 06/29/84

RBS-ENVIRONMENTAL QUALIFICATION DATA MASTER LIST  
 SORTED BY MARK NO - HARSH ENVIRONMENT ONLY

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRSCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK          SPEC.NO           REMARKS     INSTSTAT SFN3   QRN3
*****
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RMS RADIATION MONITORING

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRSCN	EQUALST	SFN1	OP TIME	QRN1
1RMS*RE111	RADIOACTIVITY ELEMENT G A TECH 247.250		CT-G				100 D A	
1RMS*RE112	RADIOACTIVITY ELEMENT G A TECH 247.250		CT-G				100 D A	
1RMS*RE125	RADIOACTIVITY ELEMENT G A TECH 247.250	REG.G.1.97	AB-170-1				100D A	
1RMS*RE15A	RADIOACTIVITY ELEMENT G A TECH 247.250		AB-095-6				100D	
1RMS*RE15B	RADIOACTIVITY ELEMENT G A TECH 247.250		AB-095-6				100D A	
1RMS*RE16A	RADIOACTIVITY ELEMENT G A TECH 247.250	REG.G.1.97	CT-G				100D A	
1RMS*RE16B	RADIOACTIVITY ELEMENT G A TECH 247.250	REG.G.1.97	CT-G				100D A	
1RMS*RE20A	RADIOACTIVITY ELEMENT G A TECH 247.250	REG.G.1.97	DW-1				100D A	
1RMS*RE20B	RADIOACTIVITY ELEMENT G A TECH 247.250	REG.G.1.97	DW-1				100D A	
1RMS*RE21A	RADIOACTIVITY ELEMENT G A TECH 247.250		CT-5A				100D A	



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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP   INSTSTAT SFN2  OC       QRN2
              PANEL/RACK                SPEC.NO           REMARKS
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RMS RADIATION MONITORING

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	ENRGCN	EQUALST	SFN1	OP TIME	QRN1
1RMS*RE21B	RADIOACTIVITY ELEMENT G A TECH 247.250		CT-5A				100D A	
1RMS*RE5A	RADIOACTIVITY ELEMENT G A TECH 247.250	REG.G.1.97	FB-148-G				100D A	
1RMS*RE5B	G A TECH 247.250	REG.G.1.97	FB-148-G				100D A	
1RMS*RI21A	RADIOACTIVITY INDICATOR G A TECH 247.250		CT-5A				100D A	
1RMS*RI21B	RADIOACTIVITY INDICATOR G A TECH 247.250		CT-5A				100D A	

SAS SERVICE AIR

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	ENRGCN	EQUALST	SFN1	OP TIME	QRN1
1SAS*MOV102	MOTOR OPERATED VALVE VELAN 228.212	LHTQ SHB-000-5	AB-114-6	HLBO HARSH		CISL LCS	1HR A -	
1SAS*MOV103	MOTOR OPERATED VALVE VELAN 228.212	LHTQ SHB-000-5	AB-114-6	HLBO HARSH		CISL LCS	1HR A -	

SCV STA CONT BUS (VITAL) - AC SUPPLY INCL TFMR & TRANS SW

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	ENRGCN	EQUALST	SFN1	OP TIME	QRN1
1SCV*PNL2A1	STDBY DIST PNLBOARD 120 V AC SQUARE D COMPANY 242.421	SQRD NQOB	AB-141-4	HLBO HARSH		PANL -	100D A -	
1SCV*PNL2A2	STDBY DIST PNLBOARD 120 V AC SQUARE D COMPANY 242.421	SQRD NQOB	AB-141-4	HLBO HARSH		PANL -	100D A -	

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG    ENVTYP  INSTSTAT SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO           REMARKS
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SCV STA CONT BUS (VITAL) - AC SUPPLY INCL TFMR & TRANS SW

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	ENRGCN	EQUALST	SFN1	OP TIME	QRN1
1SCV*PNL2B1	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-141-3	HLBO HARSH	PANL	100D A -	
1SCV*PNL2B2	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-141-2	HLBO H/RSH	PANL	100D A -	
1SCV*PNL2C1	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-141-4	HLBO HARSH	PANL	100D A -	
1SCV*PNL2D1	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-141-2	HLBO HARSH	PANL	100D A -	
1SCV*PNL2E1	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-114-1	HLBO HARSH	PANL	100D A -	
1SCV*PNL2F1	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-114-3	HLBO HARSH	PANL	100D A -	
1SCV*PNL2G1	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-114-1	HLBO HARSH	PANL	100D A -	
1SCV*PNL2H1	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-114-3	HLBO HARSH	PANL	100D A -	
1SCV*PNL2J1	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-141-1	HLBO HARSH	PANL	100D A -	
1SCV*PNL2K1	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-141-2	HLBO HARSH	PANL	100D A -	

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCH  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG    ENVTYP                    SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO           REMARKS                    INSTSTAT SFN3                    QRN3
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SCV STA CONT BUS (VITAL) - AC SUPPLY INCL TFMR & TRANS SH

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	ENRGCH	EQUALST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENVTYP		SFN2	OC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS		INSTSTAT	SFN3		QRN3
1SCV*PNL2L1	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-141-1	HLBO HARSH	PANL	100D A -	
					Y	-	-	
1SCV*XD2A1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER	15 KVA 242.132	SXFR	AB-141-4	HLBO HARSH	EMPW	100D A -	
					Y	-	-	
1SCV*XD2A2	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER	15 KVA 242.132	SXFR	AB-141-4	HLBO HARSH	EMPW	100D A -	
					Y	-	-	
1SCV*XD2B1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER	15 KVA 242.132	SXFR	AB-141-3	HLBO HARSH	EMPW	100D A -	
					Y	-	-	
1SCV*XD2B2	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER	15 KVA 242.132	SXFR	AB-141-2	HLBO HARSH	EMPW	100D A -	
					Y	-	-	
1SCV*XD2C1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER	15 KVA 242.132	SXFR	AB-141-4	HLBO HARSH	EMPW	100D A -	
					Y	-	-	
1SCV*XD2D1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER	15 KVA 242.132	SXFR	AB-141-2	HLBO HARSH	EMPW	100D A -	
					Y	-	-	
1SCV*XD2E1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER	15 KVA 242.132	SXFR	AB-114-1	HLBO HARSH	EMPW	100D A -	
					Y	-	-	
1SCV*XD2F1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER	15 KVA 242.132	SXFR	AB-114-3	HLBO HARSH	EMPW	100D A -	
					Y	-	-	
1SCV*XD2G1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER	15 KVA 242.132	SXFR	AB-114-1	HLBO HARSH	EMPW	100D A -	
					Y	-	-	

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 MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE EMRGCN EQUALST SFN1 OP TIME QRN1  
 VENDOR MODEL/CATALOG NO. SUBMRG ENVYTP SFN2 OC QRN2  
 PANEL/RACK SPEC.NO REMARKS INSTSTAT SFN3 QRN3  
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SCV STA CONT BUS (VITAL) - AC SUPPLY INCL TFMR & TRANS SW

1SCV*XD2H1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER 242.132	SXFR 15 KVA	AB-114-3	HLBO HARSH	Y	EMPH -	100D A	-
1SCV*XD2J1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER 242.132	SXFR 15 KVA	AB-141-1	HLBO HARSH	Y	EMPH -	100D A	-
1SCV*XD2K1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER 242.132	SXFR 15 KVA	AB-141-2	HLBO HARSH	Y	EMPH -	100D A	-
1SCV*XD2L1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER 242.132	SXFR 15 KVA	AB-141-1	HLBO HARSH	Y	EMPH -	100D A	-
1SCV*XD8B1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER 242.132	SXFR 15 KVA	CB-098-1	NORM HARSH	Y	EMPH -	N/A D	-

SFC SPENT FUEL POOL COOLING AND CLEAN-UP

1SFC*LT11A	LEVEL TRANSH & REMOTE SEAL ROSEMOUNT 247.481	RSMT 11530B4PG,1159C10A	CT-5A	HARSH			100D A	
1SFC*LT11B	LEVEL TRANSH & REMOTE SEAL ROSEMOUNT 247.481	RSMT 11530B4PG,1159C10A	CT-6	HARSH			100D A	47481CJ
1SFC*LT28A	LEVEL TRANSH & REMOTE SEAL ROSEMOUNT 247.481	RSMT 11530B4PG,1159C10A	FB-113-1	HARSH			100D A	47481CK
1SFC*LT28B	LEVEL TRANSH & REMOTE SEAL ROSEMOUNT 247.481	RSMT 11530B4PG,1159C10A	FB-113-1	HARSH			100D A	47481CL

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EHRGCH  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP                    SFN2  CC      QRN2
              PANEL/RACK                SPEC.NO           REMARKS                    INSTSTAT SFN3                    QRN3
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SFC SPENT FUEL POOL COOLING AND CLEAN-UP

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EHRGCH	EQUALST	SFN1	OP TIME	QRN1
15FC*MOV119	MOTOR OPERATED VALVE VELAN 228.216	LMTQ SMB-0-15	FB-131-1	HLBO HARSH	Y	SFC CISL	1 HR A -	-
15FC*MOV120	MOTOR OPERATED VALVE VELAN 228.216	LMTQ SMB-0-25	CT-10	HLBI HARSH		SFC CISL	1 HR A -	-
15FC*MOV121	MOTOR OPERATED VALVE VELAN 228.216	LMTQ SMB-00-15	FB-131-1	HLBO HARSH	Y	SFC CISL	1 HR A -	-
15FC*MOV122	MOTOR OPERATED VALVE VELAN 228.216	LMTQ SMB-0-25	FB-131-1	HLBO HARSH	Y	SFC CISL	1 HR A -	-
15FC*MOV139	MOTOR OPERATED VALVE VELAN 228.216	LMTQ SMB-00-15	CT-10	HLBI HARSH		SFC CISL	1 HR A -	-
15FC*PIA	MOTOR FOR FUEL POOL COOL. PUMP GOULDS PUMPS, INC. 223.311	RELI NONE,UNIQUE	FB-070-1	FHA HARSH		SFC -	100D A -	-
15FC*PIB	MOTOR FOR FUEL POOL COOL. PUMP GOULDS PUMPS, INC. 223.311	RELI NONE,UNIQUE	FB-070-1	FHA HARSH	Y	SFC -	100D A -	-
15FC*RTD7A	RTD PYCO 247.461	PYCO 122-4030-04	FB-070-1	FHA HARSH		FLCL -	100D A -	-
15FC*RTD7B	RTD PYCO 247.461	PYCO 122-4030-04	FB-070-1	FHA HARSH		FLCL -	100D A -	-

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBHRG     ENVTYP   INSTSTAT SFN2  OC       QRN2
              PANEL/RACK                SPEC.NO           REMARKS
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SSR REACTOR PLANT SAMPLING SYSTEM

MARK NO	EQUIPMENT DESCRIPTION	SPEC.NO	MAKE/MANUFACTURER	ENV. ZONE	ENRGCN	EQUALST	SFN1	OP TIME	QRN1
1SSR*SOV130	SOLENOID VALVE TARGET ROD	247.501	TRCP 1011105	CT-G				1HR A	
1SSR*SOV131	SOLENOID VALVE TARGET ROCK	247.501	TRCP 1011105	AB-141-4				1HR A	
1SSR*SOV133	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-003	AB-114-6				1HR A	
1SSR*SOV134	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-003	AB-114-6				1HR A	
1SSR*SOV139	SOLENOID VALVE TARGET ROCK	247.501	TRCP 1035010-1	AB-095-8				1HR A	
1SSR*SOV140	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-003	AB-114-6				1HR A	

SVV STEAM VENTS - SAFETY VALVES

MARK NO	EQUIPMENT DESCRIPTION	SPEC.NO	MAKE/MANUFACTURER	ENV. ZONE	ENRGCN	EQUALST	SFN1	OP TIME	QRN1
1SVV*MOV1A	MOTOR OPERATED VALVE VELAN	228.216	LMTQ SMB-000-2	AB-114-6	HLBO HARSH		ADS BCNT	100D A -	
1SVV*MOV1B	MOTOR OPERATED VALVE VELAN	228.216	LMTQ SMB-000-2	AB-114-5	HLBO HARSH		ADS BCNT	100D A -	
1SVV*SOV20A	SOLENOID VALVE TARGET ROCK	247.501	TRCP 1021010-3	AB-141-2				1HR A	

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCH  EQUALST  SFN1  OP TIME  QRN1
            VENDOR                      MODEL/CATALOG NO.  SUBMRG    ENVTYP                    SFN2  OC      QRN2
            PANEL/RACK                SPEC.NO           REMARKS                    INSTSTAT SFN3                    QRN3
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MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	ENRGCH	EQUALST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENVTYP		SFN2	OC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS		INSTSTAT	SFN3		QRN3
SVV STEAM VENTS - SAFETY VALVES								
15VV*SOV20B	SOLENOID VALVE TARGET ROCK	TRCP 1021010-3	AB-141-3	HARSH		1HR	1HR A	
	247.501							
15VV*SOV21A	SOLENOID VALVE TARGET ROCK	TRCP 1021010-3	AB-141-3	HARSH		1HR	1HR A	
	247.501							
15VV*SOV21B	SOLENOID VALVE TARGET ROCK	TRCP 1021010-3	AB-141-3	HARSH			1HR A	
	247.501							
15VV*SOV22A	SOLENOID VALVE TARGET ROCK	TRCP 1021010-3	AB-141-2	HARSH			1HR A	
	247.501							
15VV*SOV22B	SOLENOID VALVE TARGET ROCK	TRCP 1021010-3	AB-141-3	HARSH		1HR	1HR A	
	247.501							
15VV*ZE10A	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP		DW-1	HARSH			1000 A	
	247.529	REG.G.1.97						
15VV*ZE10B	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP		DW-1	HARSH			1000 A	
	247.529	REG.G.1.97						
15VV*ZE10C	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP		DW-1	HARSH			1000 A	
	247.529	REG.G.1.97						
15VV*ZE10D	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP		DW-1	HARSH			1000 A	
	247.529	REG.G.1.97						
15VV*ZE10E	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP		DW-1	HARSH			1000 A	
	247.529	REG.G.1.97						

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 MARK NO            EQUIPMENT DESCRIPTION            MAKE/MANUFACTURER    ENV. ZONE    EHRGCR    EQUALST    SFN1    OP TIME    QRN1  
                   VENDOR                                    MODEL/CATALOG NO.    SUBMRG        ENVTYP                SFN2    OC            QRN2  
                   PANEL/RACK                                SPEC.NO                REMARKS                                    INSTSTAT    SFN3            QRN3  
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SVV STEAM VENTS - SAFETY VALVES

1SVV*ZE10F	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP 247.529	REG.G.1.97	DW-1					100D A	
1SVV*ZE10G	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP 247.529	REG.G.1.97	DW-1					100D A	
1SVV*ZE10H	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP 247.529	REG.G.1.97	DW-1					100D A	
1SVV*ZE10J	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP 247.529	REG.G.1.97	DW-1					100D A	
1SVV*ZE10K	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP 247.529	REG.G.1.97	DW-1					100D A	
1SVV*ZE10L	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP 247.529	REG.G.1.97	DW-1					100D A	
1SVV*ZE10M	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP 247.529	REG.G.1.97	DW-1					100D A	
1SVV*ZE10N	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP 247.529	REG.G.1.97	DW-1					100D A	
1SVV*ZE10P	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP 247.529	REG.G.1.97	DW-1					100D A	
1SVV*ZE10Q	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP 247.529	REG.G.1.97	DW-1					100D A	



MARK NO	EQUIPMENT DESCRIPTION VENDOR PANEL/RACK	SPEC.NO	MAKE/MANUFACTURER MODEL/CATALOG NO. REMARKS	ENV. ZONE SUBHRG	ENRGCH ENVTYP	EQUALST	SFN1 SFN2 INSTSTAT SFN3	OP TIME OC	QRN1 QRN2 QRN3
*****									
SVV STEAM VENTS - SAFETY VALVES									
1SVV*ZE10R	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP	297.529	REG.G.1.97	DH-1	HARSH			100D A	
SHP SERVICE WATER									
1SHP*ADV51A	AIR OPERATED VALVE FISHER CONTROLS	247.491	FCTL,NMCO EA180	AB-141-3	HLBO HARSH		DISP - -	100D A -	
1SHP*ADV51B	AIR OPERATED VALVE FISHER CONTROLS	247.491	FCTL,NMCO EA180	AB-141-3	HLBO HARSH		DISP - -	100D A -	
1SHP*FT59A	FLOW TRANSMITTER ROSEMOUNT	247.481	RSHT 1153DB4	FB-095-G	NORH HARSH		DISP - -	100D D NA	
1SHP*FT59B	FLOW TRANSMITTER ROSEMOUNT	247.481	RSHT 1153DB4	FB-095-G	NORH HARSH		DISP - -	100D D NA	
1SHP*FT60A	FLOW TRANSMITTER ROSEMOUNT	247.461	RSHT 1153DB4 REG.G.1.97	FB-095-G	NORH HARSH		DISP - -	100D D -	
1SHP*FT60B	FLOW TRANSMITTER ROSEMOUNT	247.481	RSHT 1153DB4 REG.G.1.97	FB-095-G	NORH HARSH		DISP - -	100D D -	
1SHP*FT64A	FLOW TRANSMITTER ROSEMOUNT	247.481	RSHT 1153DB5	PT-3	HARSH			100D A	
1SHP*FT64B	FLOW TRANSMITTER ROSEMOUNT	247.481	RSHT 1153DB5	PT-3	HARSH			100D A	



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MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	ENVPCN	EQUALST	SFNI	CP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBGRG	ENVTP	SFNC	OC		QRN2
	PANEL/RACK	SPEC.NO	REMARKS		INSTSTAT	SFNI		QRN3
SMP SERVICE WATER								
15HP#NOV502A	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SMB-00-10	CT-6	HLBI HARSH	HVR	100D A	-
15HP#NOV502B	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SMB-00-10	CT-6	HLBI HARSH	HVR	100D A	-
15HP#NOV503A	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SMB-00-10	CT-6	HLBI HARSH	HVR	100D A	-
15HP#NOV503B	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SMB-00-10	CT-6	HLBI HARSH	HVR	100D A	-
15HP#NOV504A	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SMB-0-15	AB-070-8	HLBO HARSH	SH ESA	100D A	-
15HP#NOV504B	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SMB-0-15	AB-070-7	HLBO HARSH	SH ESA	100D A	-
15HP#NOV506B	MOTOR OPERATED VALVE JAMESBURY	228.243	LMTQ SMB-000-2	PT-4	ABNO HARSH	ESA	100D	-
15HP#NOV507A	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SMB-0-15	AB-114-6	HLBO HARSH	CISL	100D A	-
15HP#NOV507B	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SMB-0-15	AB-141-3	HLBO HARSH	CISL	100D A	-
15HP#NOV510A	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SMB-0-15	AB-070-8	HLBO HARSH	ESA	100D A	-



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RBS-ENVIRONMENTAL QUALIFICATION DATA MASTER LIST  
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MARK NO	EQUIPMENT DESCRIPTION VENDOR PANEL/RACK	SPEC NO	MAKE/MANUFACTURER MODEL/CATALOG NO. REMARKS	ENV. ZONE SUBMRG	EMRGCN ENV TYP	EQUALST INSTSTAT	SFN1 SFN2 SFN3	OP TIME OC	QRN1 QRN2 QRN3
*****									
SHP SERVICE WATER									
1SHP#MOV73B	MOTOR OPERATED VALVE VELAN	228.212	LHTQ SHB-000-5	AB-114-5	HARSH			1000 A	
1SHP#MOV74A	MOTOR OPERATED VALVE VELAN	228.212	LHTQ SHB-000-5	AB-114-5	HARSH			1000 A	
1SHP#MOV74B	MOTOR OPERATED VALVE VELAN	228.212	LHTQ SHB-000-5	AB-114-5	HARSH			1000 A	
1SHP#MOV77B	MOTOR OPERATED VALVE JAMESBURY	228.243	LHTQ SHB-000-2	PT-4	ABNO HARSH		SH ESA	1000 A -	
1SHP#MOV81A	MOTOR OPERATED VALVE VELAN	228.212	LHTQ SHB-0-15	AB-114-6	HLBO HARSH		CISL -	1000 A -	
1SHP#MOV81B	MOTOR OPERATED VALVE VELAN	228.212	LHTQ SHB-0-15	AB-141-3	HLBO HARSH		CISL -	1000 A -	
1SHP#MOV96A	MOTOR OPERATED VALVE JAMESBURY	228.243	LHTQ SHB-00-25	PT-3	NORM HARSH		BCNT -	1HR A -	
1SHP#MOV96B	MOTOR OPERATED VALVE JAMESBURY	228.243	LHTQ SHB-00-25	PT-3	NORM HARSH		BCNT -	1HR A -	
1SHP#PT21A	PRESSURE TRANSHITTER ROSEMOUNT 1JPB#RAK2	247.481	RSMT 1153GB7	PT-3	NORM HARSH		SH BCNT	1000 A -	47081CS
1SHP#PT21B	PRESSURE TRANSHITTER ROSEMOUNT 1JPB#RAK1	247.481	RSMT 1153GB7	PT-3	NORM HARSH		SH BCNT	1000 A -	47481CT

06/29/84  
 REVISION: 1  
 ISSUE DATE: 06/29/84

RBS-ENVIRONMENTAL QUALIFICATION DATA MASTER LIST  
 SORTED BY MARK NO - HARSH ENVIRONMENT ONLY

```

*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG    ENVTP   INSTSTAT SFN2  OC      QRN2
              PANEL/RACK          SPEC.NO            REMARKS
*****
SHP  SERVICE WATER

1SHP*PT21C   PRESSURE TRANSMITTER      RSMT          PT-3      NORM    SH       1000   47481CU
              ROSEMOUNT                1153GB7      HARSH    BCNT    A      -
              IJPB*RAK2          247.481

1SHP*PT21D   PRESSURE TRANSMITTER      RSMT          PT-3      NORM    SH       1000   47481CV
              ROSEMOUNT                1153GB7      HARSH    BCNT    A      -
              IJPB*RAK1          247.481

1SHP*PT21E   PRESSURE TRANSMITTER      RSMT          PT-3      NORM    SH       1000   47481CW
              ROSEMOUNT                1153GB7      HARSH    BCNT    A      -
              IJPB*RAK2          247.481

1SHP*PT21F   PRESSURE TRANSMITTER      RSMT          PT-3      NORM    SH       1000   47481CX
              ROSEMOUNT                1153GB7      HARSH    BCNT    A      -
              IJPB*RAK1          247.481

1SHP*PT21G   PRESSURE TRANSMITTER      RSMT          PT-3      NORM    SH       1000   47481CY
              ROSEMOUNT                1153GB7      HARSH    BCNT    A      -
              IJPB*RAK2          247.481

1SHP*PT21H   PRESSURE TRANSMITTER      RSMT          PT-3      NORM    SH       1000   47481CZ
              ROSEMOUNT                1153GB7      HARSH    BCNT    A      -
              IJPB*RAK1          247.481

1SHP*SOV51A  SOLENOID VALVE           ASCO          AB-141-2  HLBO    SH       1000   47481DA
              FISHER CONTROLS         DBQ,NP0320  HARSH    BCNT    A      -
              247.491              LCS

1*HP*SOV51B  SOLENOID VALVE           ASCO          AB-141-3  HLBO    SH       1000   47481DB
              FISHER CONTROLS         DBQ,NP0320  HARSH    BCNT    A      -
              247.491              LCS

HCS  REACTOR WATER CLEAN-UP

1HCS*MOV111  MOTOR OPERATED VALVE     LMTQ          AB-114-2  HLBO    CISL    1HR    47481DC
              VELAN                    SNB-0-75    HARSH    LCS    A      -
              228.212
  
```

06/29/84  
 REVISION: 1  
 ISSUE DATE: 06/29/84

RBS-ENVIRONMENTAL QUALIFICATION DATA MASTER LIST  
 SORTED BY MARK NO - HARSH ENVIRONMENT ONLY

```

*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EHRGCR  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO           REMARKS    INSTSTAT SFN3      QRN3
*****
  
```

WCS REACTOR WATER CLEAN-UP

```

1KCS#HOV172  MOTOR OPERATED VALVE      LMTQ          AB-114-2    HLBO          CISL  1HR
              VELAN                      SMB-000-5     HARSH        -   A   -
              228.212
1KCS#HOV173  MOTOR OPERATED VALVE      LMTQ          AB-114-2    HLBO          LCS   1HR
              VELAN                      SMB-000-5     HARSH        -   A   -
              228.212
1KCS#HOV178  MOTOR OPERATED VALVE      LMTQ          CT-7        HLBI          CISL  1HR
              VELAN                      SMB-000-5     HARSH        -   A   -
              228.212
  
```

\*\*\*\*\* FT06 TYPE 1 1 FIELDS WERE PRINTED AS INVALID, MISSING OR OVERFLOW.  
\*\*\*\*\* FT03 TYPE 0 END OF REPORT.



\*\*\*\*\* H204 TYPE 0 NUMBER OF MESSAGES PRINTED IS 3.  
SORTOUT - 964 RECORDS INPUT  
FINAL - 1 RECORDS INPUT  
A - 4104 RECORDS OUTPUT

\*\*\*\*\* H209 TYPE 0 375784 BYTES OF MAIN STORAGE UNUSED DURING REPORTING PHASE

```

****A.. END ..JOB 1684..R0082004..B.BARNES ..SYS.C168..JOB 1684.. END ..A****
****A.. END ..JOB 1684..R0082004..B.BARNES ..SYS.C168..JOB 1684.. END ..A****
****A.. END ..JOB 1684..R0082004..B.BARNES ..SYS.C168..JOB 1684.. END ..A****

```

```

4444 000000 RRRRRR AAAAAA 222222 999999 888888 4444 000000 666666 11 666666 888888 4444
4444 00000000 RRRRRR AAAAAA 22222222 99999999 88888888 444444 00000000 66666666 111 66666666 88888888 444444
444 44 00 00 RR RR AA AA 22 22 22 99 99 88 88 66 66 11 66 88 44 44
444 44 00 00 RRRRRR AAAAAA 222 222 99999999 888888 444 44 00 00 66 66 11 66 88 44 44
44444444 00 00 RRRRRR AAAAAA 222 222 99999999 88888888 44444444 00 00 66 66 11 66 88 44444444
44444444 00 00 RRRRRR AAAAAA 222 222 99999999 88888888 44444444 00 00 66 66 11 66 88 44444444
44 44 00000000 RR RR AA AA 22222222 99999999 88888888 44 44 00000000 66666666 11111111 66666666 88888888 44
44 44 000000 RR RR AA AA 22222222 999999 888888 44 44 000000 666666 11111111 666666 888888 44

```

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BBBBBB BBBBBB AAAAAA 222222 999999 888888 4444
BBBBBB BBBBBB AAAAAA 22222222 99999999 88888888 444444
BB BB AA AA 22 22 22 99 99 88 88 66 66 11 66 88 44 44
BBBBBB BBBBBB AAAAAA 222 222 99999999 888888 444 44
BB BB AA AA 22 22 99999999 88888888 44444444
BB BB AA AA 222 222 99999999 88888888 44444444
BB BB AA AA 22222222 99999999 88888888 44 44
BB BB AA AA 22222222 999999 888888 44 44

```

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4444 000000 RRRRRR AAAAAA 222222 999999 888888 4444 000000 666666 11 666666 888888 4444
4444 00000000 RRRRRR AAAAAA 22222222 99999999 88888888 444444 00000000 66666666 111 66666666 88888888 444444
444 44 00 00 RR RR AA AA 22 22 22 99 99 88 88 66 66 11 66 88 44 44
444 44 00 00 RRRRRR AAAAAA 222 222 99999999 888888 444 44 00 00 66 66 11 66 88 44 44
44444444 00 00 RRRRRR AAAAAA 222 222 99999999 88888888 44444444 00 00 66 66 11 66 88 44444444
44444444 00 00 RRRRRR AAAAAA 222 222 99999999 88888888 44444444 00 00 66 66 11 66 88 44444444
44 44 00000000 RR RR AA AA 22222222 99999999 88888888 44 44 00000000 66666666 11111111 66666666 88888888 44
44 44 000000 RR RR AA AA 22222222 999999 888888 44 44 000000 666666 11111111 666666 888888 44

```

```

****A.. END ..JOB 1684..R0082004..B.BARNES ..SYS.C168..JOB 1684.. END ..A****
****A.. END ..JOB 1684..R0082004..B.BARNES ..SYS.C168..JOB 1684.. END ..A****
****A.. END ..JOB 1684..R0082004..B.BARNES ..SYS.C168..JOB 1684.. END ..A****

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RIVER BEND STATION - UNIT 1  
DOCKET NUMBER 50-458

# FOR INFORMATION ONLY

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481AA REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1CCP*PT1A	OP. TIME:	100DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							NOTE 1
SYSTEM:	NORMAL	122	120	1	2	TEST-IDENT	NA	
REACTOR PLANT	ABNORMAL	NA	-				NA	
COMPONENT COOLING	ACCIDENT	145	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)	PRESS (PSIG)							NOTE 1
PRESSURE TRANSMITTER	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	NA	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
	RH (%)							NOTE 1
MODEL NO.: 1153GB7	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	NA	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
TRANSMIT RPCCW PRESSURE	RADIATION:							NOTE 1
MEASUREMENT	NORM GAMMA	2E5	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	1E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY							
ACCURACY - -	SUBMERGENCE	NO	-	4				
SPEC: 0.25%	PREPARED BY: C. A. OPALEK			DATE				
DEMO: 0.25%	REVIEWED BY: W. MCALLISTER			DATE				
ZONE NO.: AB-070-B	A143					NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.		
FLOOD LEVEL	DOCUMENT REFERENCE:							
ELEVATION: LATER	1. ENVIRONMENTAL DESIGN CRITERIA (EDC), SWEC							
ABOVE FLOOD	DOCUMENT NO. 215.150, REV. 2, 1984							
LEVEL? YES	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
ABOVE SPRAY/	SDDF # 6247.481-130-002A							
FROTH LEVEL? YES	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
	CEOT-27							
DOCUMENTATION ACCEPTABILITY:	4. SEE SPEC							
ACCEPTABLE TO NUREG 0588, CAT I	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 15.5								
REFERENCE: 2								





FOR INFORMATION ONLY

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF #\_47481AD\_\_\_ REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1CCP*PT1D	OP. TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							
SYSTEM:	NORMAL	122	120	1	2	TEST-IDENT	NA	NOTE 1
REACTOR PLANT COMPONENT	ABNORMAL	NA	-				NA	
COOLING	ACCIDENT	145	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)	PRESS (PSIG):							
PRESSURE TRANSMITTER	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	NOTE 1
	ABNORMAL	NA	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
	RH (%):							
MODEL NO.: 1153GB7	NORMAL	90	-	1	2	TEST-IDENT	YES	NOTE 1
	ABNORMAL	NA	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
TRANSMIT RPCCW PRESSURE	RADIATION:							
MEASUREMENT	NORM GAMMA	2E5	-	1	6	TEST-IDENT	YES	NOTE 1
	ACC GAMMA	1E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY						NA	
ACCURACY - -	SUBMERGENCE	NO	-	4			NA	
SPEC: 0.25%	PREPARED BY: C. A. OPALEK			DATE				
DEMO: 0.25%	REVIEWED BY: W. MCALLISTER			DATE				
ZONE NO.: AB-070-B	DOCUMENT REFERENCE:			NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.				
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER	DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002A							
ABOVE SPRAY/	3. RRS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?	CEOT-27							
	4. SEE SPEC							
DOCUMENTATION ACCEPTABILITY:	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
ACCEPTABLE TO NUREG 0588,CAT I	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 15.5								
REFERENCE: 2								





























# FOR INFORMATION ONLY

RIVER BEND STATION - UNIT 1  
DOCKET NUMBER 50-458

## SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481A0 REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1DRF#LT134	OP. TIME:	1 HOUR	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
SYSTEM:	NORMAL	122	120	1	2	TEST-IDENT	NA	
LEAK DETECTION	ABNORMAL	124	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	122	303	1	2	TEST-IDENT	YES	
LEVEL TRANSMITTER WIHT	PRESS (PSIG)	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
REMOTE SEALS	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
MANUFACTURER: ROSEMOUNT	ABNORMAL	ATMOS	-				NA	
MODEL NO.: 1153DB4PB	ACCIDENT	ATMOS	55	1	2	TEST-IDENT	YES	
1159C30A	RH (%)	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
SAFETY FUNCTION: - - -	NORMAL	90	-	1	2	TEST-IDENT	YES	
LEVEL TRANSMITTER FOR	ABNORMAL	50	-				NA	
AUX BLDG FLR DRN PUMP	ACCIDENT	90	100	1	2	TEST-IDENT	YES	
OP. CODE: A	RADIATION:	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
	NORM GAMMA	7E3	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	9E6	2.2E7	1	2	TEST-IDENT	YES	
	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY						NA	
ACCURACY - -	SUBMERGENCE	NO	-	4			NA	
SPEC: 0.25%	PREPARED BY: C. A. OPALEK			DATE				
DEMO: 0.25%	REVIEWED BY: W. MCALLISTER			DATE				
ZONE NO.: AB-070-1	DOCUMENT REFERENCE:		NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.					
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER	DOCUMENT NO. 215.150, REV. 2, 1984							
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002A; -008D							
ABOVE SPRAY/	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?	CEOT-11							
DOCUMENTATION ACCEPTABILITY:	4. SEE SPEC							
ACCEPTABLE TO NUREG 0588, CAT I	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 20								
REFERENCE: 2								

QUAL REF # 47481AR REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
EQUIP NO.: 1DFR*LT135	OP. TIME:	1 HOUR	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):	---	---	---	---	---	---	
SYSTEM:	NORMAL	122	120	1	2	TEST-IDENT	NA	NOTE 1
LEAK DETECTION	ABNORMAL	255	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	122	303	1	2	TEST-IDENT	YES	
LEVEL TRANSMITTER WITH	PRESS (PSIG)	---	---	---	---	---	---	
REMOTE SEALS	NORMAL -1/4TO-1" W		ATMOS	1	2	TEST-IDENT	NA	NOTE 1
MANUFACTURER: ROSEMOUNT	ABNORMAL -1/4TO-1" W		-				NA	
MODEL NO.: 1153DB4PB	ACCIDENT -1/4TO-1" W		55	1	2	TEST-IDENT	YES	
1159C30A	RH (%)	---	---	---	---	---	---	
SAFETY FUNCTION: - - -	NORMAL	90	-	1	2	TEST-IDENT	YES	NOTE 1
LEVEL TRANSMITTER FOR AUX	ABNORMAL	4	-				NA	
BLDG FLR DRN PUMP	ACCIDENT	90	100	1	2	TEST-IDENT	YES	
OP. CODE: A	RADIATION:	---	---	---	---	---	---	
ACCURACY - -	NORM GAMMA	2E5	-	1	6	TEST-IDENT	YES	NOTE 1
SPEC: 0.25%	ACC GAMMA	1.3E7	2.2E7	1	2	TEST-IDENT	YES	
DEMO: 0.25%	NORM BETA	0	0	1	2	TEST-IDENT	YES	
ZONE NO.: AB-070-2	ACC BETA	500	0	1	2	TEST-IDENT	YES	
FLOOD LEVEL	NEUTRON	0	0	1	2	TEST-IDENT	YES	
ELEVATION: LATER	SPRAY						NA	
ABOVE FLOOD	SUBMERGENCE	NO	-	4			NA	
LEVEL? YES	PREPARED BY: C. A. OPALEK							
ABOVE SPRAY/	REVIEWED BY: W. MCALLISTER							
FROTH LEVEL?	DATE							
DOCUMENTATION ACCEPTABILITY:	DATE							
ACCEPTABLE TO NUREG 0588, CAT I	DOCUMENT REFERENCE:							
MAINT/SURVEILL - - -	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.
REFERENCE: 2	DOCUMENT NO. 215.150, REV.2, 1984							
QUALIFIED LIFE - - -	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
(YEARS): 16.7	SDDF # 6247.481-130-002A; -008D							
REFERENCE: 2	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
	CEOT-11							
	4. SEE SPEC							
	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
	SDDF # 6247.481-130-001A							











RIVER BEND STATION - UNIT 1  
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481AW REV 0

ENVIRONMENTAL CONDITIONS AND QUALIFICATION

EQUIPMENT DESCRIPTION	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1GTS*PT15A	OP. TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							
SYSTEM:	NORMAL	122	120	1	2	TEST-IDENT	NA	NOTE 1
STANDBY GAS TREATMENT	ABNORMAL	122	-					
TYPE: (DESCRIPTION)	ACCIDENT	122	303	1	2	TEST-IDENT	NA	
PRESSURE TRANSMITTER	PRESS (PSIG):							
	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	NOTE 1
MANUFACTURER: ROSEMOUNT	ABNORMAL	ATMOS	-					
	ACCIDENT	ATMOS	55	1	2	TEST-IDENT	NA	
MODEL NO.: 1153683	RH (%):							
	NORMAL	90	-	1	2	TEST-IDENT	YES	NOTE 1
SAFETY FUNCTION: ---	ABNORMAL	90	-					
FILTER SUCTION PRESSURE	ACCIDENT	90	100	1	2	TEST-IDENT	NA	
	RADIATION:							
	NORM GAMMA	700	-	1	2	TEST-IDENT	YES	NOTE 1
OP. CODE: NONE	ACC GAMMA	4.4E7	2.2E7	1	6	TEST-IDENT	NO	
	NORM BETA	0	0	1	2	TEST-IDENT	NO	NOTE 2
	ACC BETA	500	0	1	2	TEST-IDENT	NA	
	NEUTRON	0	0	1	2	TEST-IDENT	NO	
ACCURACY ---	SPRAY			1	2	TEST-IDENT	NA	
SPEC: 0.25%	SUBMERGENCE:	NO	-	4				
DEMO: 0.25%								
ZONE NO.: AB-141-5	PREPARED BY: C. A. OPALEK							
FLOOD LEVEL	REVIEWED BY: W. MCALLISTER							
ELEVATION: LATER	DATE: _____							
ABOVE FLOOD LEVEL? YES	DATE: _____							
ABOVE SPRAY/FROTH LEVEL?	DOCUMENT REFERENCE:							
DOCUMENTATION ACCEPTABILITY:	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ACCEPTABLE TO NUREG 0589, CAT I	DOCUMENT NO. 215.150, REV.2, 1984							
	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
	SDDF # 6247.481-130-002A							
	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
	CEOT-24							
	4. SEE SPEC							
	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
	SDDF # 6247.481-130-001A							
MAINT/SURVEILL ---								
REFERENCE: 2								
QUALIFIED LIFE ---								
(YEARS): 15.5								
REFERENCE: 2								

NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.  
2. SEE IOC "CASE SPECIFIC EQ PROBLEMS, VARIOUS SPECS & ZONES" CONRAD TO TZABO, 5/14/84.

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EQUIPMENT DESCRIPTION

ENVIRONMENTAL CONDITIONS AND QUALIFICATION

EQUIP NO.: 1HVF\*PT38A  
 SPEC NO.: 247.481  
 SYSTEM:  
 FUEL BUILDING VENTILATION  
 TYPE: (DESCRIPTION)  
 PRESSURE TRANSMITTER  
 MANUFACTURER: ROSEMOUNT  
 MODEL NO.: 11539B3  
 SAFETY FUNCTION: ---  
 FUEL BLDG CHARCOAL FILTER  
 PRESS  
 OP. CODE: A  
 ACCURACY ---  
 SPEC: 0.25%  
 DEMD: 0.25%

PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
			SPECIFIED	QUALIFIED			
OP. TIME:	24 HOURS	>1 YEAR	3	2	TEST-IDENT	YES	
TEMP (F):	NORMAL 96	120	1	2	TEST-IDENT	NA	NOTE 1
	ABNORMAL 124	-					
	ACCIDENT 124	303	1	2	TEST-IDENT	NA	NOTE 1
PRESS (PSIG):	NORMAL .110-.25WG	ATMOS	1	2	TEST-IDENT	YES	
	ABNORMAL -.62"WG	-					
	ACCIDENT -.62"WG	55	1	2	TEST-IDENT	NA	NOTE 1
RH (%):	NORMAL 55	-	1	2	TEST-IDENT	YES	
	ABNORMAL 45	-					
	ACCIDENT 45	100	1	2	TEST-IDENT	NA	NOTE 1
RADIATION:	NORM GAMMA 7E2	-	1	2	TEST-IDENT	YES	
	ACC GAMMA 1E5	2.2E7	1	6	TEST-IDENT	YES	NOTE 1
	NORM BETA 0	0	1	2	TEST-IDENT	YES	
	ACC BETA 6E2	0	1	2	TEST-IDENT	YES	
	NEUTRON 0	0	1	2	TEST-IDENT	YES	
SPRAY			1	2	TEST-IDENT	YES	
SUBMERGENCE	NO	-	4	2	TEST-IDENT	YES	

PREPARED BY: C. A. OPALEK  
 REVIEWED BY: W. MCALLISTER

DATE \_\_\_\_\_  
 DATE \_\_\_\_\_

- DOCUMENT REFERENCE:
1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC DOCUMENT NO. 215.150, REV.2, 1984
  2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-002A
  3. RBS1 POST-ACCIDENT OPERABILITY PERIOD; CEOT-B
  4. SEE SPEC
  5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-001A

NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.

ZONE NO.: FB-148-1  
 FLOOD LEVEL  
 ELEVATION: LATER  
 ABOVE FLOOD LEVEL? YES  
 ABOVE SPRAY/FROTH LEVEL?  
 DOCUMENTATION ACCEPTABILITY:  
 ACCEPTABLE TO NUREG 0588,CAT I  
 MAINT/SURVEILL ---  
 REFERENCE: 2  
 QUALIFIED LIFE ---  
 (YEARS): 20  
 REFERENCE: 2







# FOR INFORMATION ONLY

RIVER BEND STATION - UNIT 1  
DOCKET NUMBER 50-458

## SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 474818D REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1HVR*PDT60D	OP. TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.431	TEMP (F):							NOTE 1
SYSTEM: REACTOR PLANT VENTILATION	NORMAL	114	120	1	2	TEST-IDENT	NA	
	ABNORMAL	114	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	135	303	1	2	TEST-IDENT	YES	
PRESSURE DIFFERENTIAL TRANSMITTER	PRESS (PSIG)							NOTE 1
	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
MODEL NO.: 1153DB3PA	RH (%)							NOTE 1
	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	90	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
CONTAINMENT/ANNULUS DIFFERENTIAL PRESSURE	RADIATION:							NOTE 1
	NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	2E4	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY							
ACCURACY - -	SUBMERGENCE	NO	-	4				
SPEC: 0.25%	PREPARED BY: C. A. DPALK			DATE				
DEMO: 0.25%	REVIEWED BY: W. MCALLISTER			DATE				
ZONE NO.: AB-141-2	DOCUMENT REFERENCE:	NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.						
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER	DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002A							
ABOVE SPRAY/	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?	CEOT-22							
	4. SEE SPEC							
DOCUMENTATION ACCEPTABILITY:	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
ACCEPTABLE TO NUREG 0588, CAT I	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 14.7								
REFERENCE: 2								



QUAL REF #\_474818F\_\_\_\_ REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1HVR#PDT60F	OP. TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							
SYSTEM: REACTOR PLANT VENTILATION	NORMAL	114	120	1	2	TEST-IDENT	NA	NOTE 1
TYPE: (DESCRIPTION)	ABNORMAL	114	-				NA	
PRESSURE DIFFERENTIAL TRANSMITTER	ACCIDENT	135	303	1	2	TEST-IDENT	YES	
MANUFACTURER: ROSEMOUNT	PRESS (PSIG)							NOTE 1
MODEL NO.: 1153DB3PA	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
SAFETY FUNCTION: - - -	ABNORMAL	ATMOS	-				NA	
CONTAINMENT/ANNULUS DIFFERENTIAL PRESSURE	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
OP. CODE: A	RH (%)							NOTE 1
ACCURACY - -	NORMAL	90	-	1	2	TEST-IDENT	YES	
SPEC: 0.25%	ABNORMAL	90	-				NA	
DEMO: 0.25%	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
ZONE NO.: AB-141-2	RADIATION:							NOTE 1
FLOOD LEVEL	NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
ELEVATION: LATER	ACC GAMMA	2E4	2.2E7	1	2	TEST-IDENT	YES	
ABOVE FLOOD LEVEL? YES	NORM BETA	0	0	1	2	TEST-IDENT	YES	
ABOVE SPRAY/FROTH LEVEL?	ACC BETA	500	0	1	2	TEST-IDENT	YES	
DOCUMENTATION ACCEPTABILITY:	NEUTRON	0	0	1	2	TEST-IDENT	YES	
ACCEPTABLE TO NUREG 0588, CAT I	SPRAY							
	SUBMERGENCE	NO	-	4				
MAINT/SURVEILL - - -	PREPARED BY: C. A. OPALEK							DATE _____
REFERENCE: 2	REVIEWED BY: W. MCALLISTER							DATE _____
QUALIFIED LIFE - - -	DOCUMENT REFERENCE:							NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.
(YEARS): 14.7	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC DOCUMENT NO. 215.150, REV.2, 1984							
REFERENCE: 2	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-002A							
	3. RBSI POST-ACCIDENT OPERABILITY PERIOD: CEOT-22							
	4. SEE SPEC							
	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-001A							

























QUAL REF # 47481B0 REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED	QUALIFIED	DOCUMENT REFERENCE		QUAL	MARGIN	REMARKS
		VALUE	VALUE	SPECIFIED	QUALIFIED	METHOD	DEMO	
EQUIP NO.: 1LSV*PT10B	OP. TIME:	30 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):	--	--	--	--	--	--	NOTE 1
SYSTEM:	NORMAL	114	120	1	2	TEST-IDENT	NA	
PENETRATION VALVE LEAKAGE	ABNORMAL	114	--	--	--	--	NA	
CONTROL	ACCIDENT	135	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)	PRESS (PSIG)	--	--	--	--	--	--	NOTE 1
PRESSURE TRANSMITTER	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	ATMOS	--	--	--	--	NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
	RRH (%)	--	--	--	--	--	--	NOTE 1
MODEL NO.: 11536B7	NORMAL	90	--	1	2	TEST-IDENT	YES	
	ABNORMAL	90	--	--	--	--	NA	
SAFETY FUNCTION: -- --	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
DETECT LOW SEAL AIR	RADIATION:	--	--	--	--	--	--	NOTE 1
PRESSURE	NORM GAMMA	700	--	1	6	TEST-IDENT	YES	
	ACC GAMMA	2E4	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY	--	--	--	--	--	--	
ACCURACY --	SUBMERGENCE	NO	--	4	--	--	--	
SPEC: 0.25%	PREPARED BY: C. A. DPALEK			DATE				
DEMO: 0.25%	REVIEWED BY: W. MCALLISTER			DATE				
ZONE NO.: AB-141-2	DOCUMENT REFERENCE:	NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.						
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER	DOCUMENT NO. 215.100, REV. 2, 1984							
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002A							
ABOVE SPRAY/	3. RBS. POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?	CEOT-3							
	4. SEE SPEC							
DOCUMENTATION ACCEPTABILITY:	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
ACCEPTABLE TO NUREG 0589, CAT I	SDDF # 6247.481-130-001A							
MAINT/SURVEILL -- --								
REFERENCE: 2								
QUALIFIED LIFE -- --								
(YEARS): 14.7								
REFERENCE: 2								

























































DUAL REF # 47481CX REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED	QUALIFIED	DOCUMENT REFERENCE		QUAL	MARGIN	REMARKS
		VALUE	VALUE	SPECIFIED	QUALIFIED	METHOD	DEMO	
EQUIP NO.: 1SWP*PT21F	OP. TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							
SYSTEM:								
SERVICE WATER	NORMAL:	122	120	1	2	TEST-IDENT	NA	
	ABNORMAL:	NA	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT:	145	303	1	2	TEST-IDENT	YES	
PRESSURE TRANSMITTER	PRESS (PSIG):							NOTE 1
	NORMAL:	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL:	NA	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT:	2.1	55	1	2	TEST-IDENT	YES	
	RH (%):							NOTE 1
MODEL NO.: 11536B7	NORMAL:	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL:	NA	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT:	100	100	1	2	TEST-IDENT	YES	
	RADIATION:							NOTE 1
	NORM GAMMA:	2E5	-	1	6	TEST-IDENT	YES	
	ACC GAMMA:	1E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA:	0	0	1	2	TEST-IDENT	YES	
	ACC BETA:	500	0	1	2	TEST-IDENT	YES	
	NEUTRON:	0	0	1	2	TEST-IDENT	YES	
	SPRAY:							
ACCURACY - -	SUBMERGENCE:	NO	-	4				
SPEC: 0.25%								
DEMO: 0.25%								
ZONE NO.: AB-095-6	PREPARED BY: C. A. OPALEK					DATE		
FLOOD LEVEL	REVIEWED BY: W. MCALLISTER					DATE		
ELEVATION: LATER								
ABOVE FLOOD								
LEVEL? YES								
ABOVE SPRAY/								
FROTH LEVEL? YES								
DOCUMENTATION ACCEPTABILITY:								
ACCEPTABLE TO NUREG 0588, CAT I								
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 15.5								
REFERENCE: 2								

NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.

- DOCUMENT REFERENCE:
- ENVIRONMENTAL DESIGN CRITERIA (EDC), SWEC DOCUMENT NO. 215.150, REV. 2, 1984
  - VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-002A
  - RBS1 POST-ACCIDENT OPERABILITY PERIOD: CEOT-14
  - SEE SPEC
  - VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-001A





Enclosure 2

BOP - SEISMIC CATEGORY I EQUIPMENT



ENCLOSURE 2

SEISMIC CATEGORY I EQUIPMENT MASTER LIST

Definition of Codes

Bldg - Same as for electrical equipment submitted via Reference 1.

MTG - Mounting Condition  
CF - Concrete floor mounting  
DW - Concrete wall mounting  
DM - Direct mounting  
HM - Hanger mounting  
RM - Rack mounting  
CM - Cabinet mounting  
EM - Equipment mounting  
LM - Line-mounted equipment

Loads - Indicate whether seismic or hydrodynamic loads are applicable,  
Y - Yes  
NA - Not applicable

Qual Method - Qualification Method

Analysis: S - Static analysis  
D - Dynamic analysis  
NA - Not applicable

Test: SF - Single frequency  
MF - Multiple frequency  
NA - Not applicable

Status - Indicate status of qualification and installation

Qual - Qualification status

Code A - The qualification and associated documentation are complete.

Code B - The qualification testing/analysis is completed, but associated documentation is not yet submitted or is still in review.

Code C - The qualification plan/procedure is documented, but testing has not yet begun.

Inst - Installation status

Code Y - Physical installation is complete

RKS REF - Reference to required response spectra (RRS) number applicable for the respective equipment.

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & HEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION	MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TESTY	LOADS	LOCATION	QUAL METH	NAT FREQ	RRS REF	STATUS	QUAL INST
*****EQUIPMENT*****																	
SYSTEM BYS BATTERY - 125V STATION																	
BOP EQUIPMENT																	
CHGR BATTERY CHARGER																	
1BYS-CHGR01D	BATT. CHARGER	POWER CONVEYS. PROD.	244.533	CB	116	CF	Y	N	NA	HF						B	Y
INV																	
1BYS-INV01A	INVERTER	ELGAR CORP.	244.511	NS	98	CF	Y	N	N	HF				7.3		A	
1BYS-INV01B	INVERTER	ELGAR CORP.	244.511	NS	98	CF	Y	N	N	HF				7.3		A	
1BYS-INV02	INVERTER	ELGAR CORP.	244.511	CB	116	CF	Y	N	N	HF				7.3		D	
1BYS-INV04	INVERTER	ELGAR CORP.	244.511	AD	110	CF	Y	N	N	HF				7.3		A	
PNL PANEL																	
1BYS-PNL02A2	PANEL BOARDS	SQUARE "D" CO.	242.433	CB	136	DW	Y	N	N	HF				14		A	
1BYS-PNL02B2	PANEL BOARDS	SQUARE "D" CO.	242.433	CB	136	DW	Y	N	N	HF				14		A	
SWS SWITCHGEAR																	
1BYS-SWG01D	SWITCHGEAR	EPSON-EDOVERI	242.521	CB	098	CF	Y	N	N	HF				6		3.7,12.17	A

JOB NAME BBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUPPLY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NCS&S SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 58-458

EQUIP. ID	DESCRIPTION MANUFACTURER	EQUIPMENT	SPEC NO.	LOCATION	LOADS	HYDR	SEIS	TEST	QUAL	INST	RDS REF
				BLDG	ELEV	MTG	MTG	ANLYS	TEST		STATUS

SYSTEM B21 NUCLEAR BOILER STEAM

TOP EQUIPMENT  
ADUF

1E211400F31A	CHECK VALVES ATWOOD & HERRILL CO.		228.218	AB	114	LH	Y	5	MF	54	NA B
1E211400F31B	CHECK VALVES ATWOOD & HERRILL CO.		228.218	AB	114	LH	Y	5	MF	54	NA B

NOUF

1E211400F301	VALVE M.O. 2"-1500 LB VELAN		228.214	DM	141	LH	Y	5	MF	78	NA B
1E211400F302	VALVE M.O. 2"-1500 LB VELAN		228.214	DM	141	LH	Y	5	MF	78	NA B
1E211400F305	VALVE M.O. 2"-1500 LB VELAN		228.214	DM	141	LH	Y	5	MF	78	NA B
1E211400F316	VALVE M.O. 3"-600 LB VELAN		228.212	DM	114	LH	Y	5	MF	49	NA B
1E211400F319	VALVE M.O. 3"-600 LB VELAN		228.212	DM	114	LH	Y	5	MF	49	NA B
1E211400F327A	VALVE M.O. 3/4"-1500 LB VELAN		228.214	AB	141	LH	Y	N	5	50	NA B
1E211400F327B	VALVE M.O. 3/4"-1500 LB VELAN		228.214	AB	141	LH	Y	5	MF	50	NA B
1E211400F327C	VALVE M.O. 3/4"-1500 LB VELAN		228.214	AB	141	LH	Y	5	MF	50	NA B
1E211400F327D	VALVE M.O. 3/4"-1500 LB VELAN		228.214	AB	141	LH	Y	5	MF	50	NA B
1E211400F345A	VALVE M.O. 2"-900 VELAN		228.212	AB	070	LH	Y	5	MF	49	NA B
1E211400F345B	VALVE M.O. 2"-900 LB VELAN		228.212	DM	073	LH	Y	5	MF	49	NA B
1E211400F347A	VALVE M.O. 1.5"-1500 LB VELAN		228.214	AB	114	LH	Y	5	MF	61	NA B
1E211400F347B	VALVE M.O. 1.5"-1500 LB VELAN		228.214	AB	114	LH	Y	5	MF	61	NA B

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

DESIGN AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
MS&S SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-468

EQUIP. ID	DESCRIPTION	EQUIPMENT	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	QUAL	METH-	INST	REF	STATUS

SYSTEM 821 NUCLEAR BOILER STEAM

NOV

2021-4000067C	VALVE M.O. 1.5"-1500 LB VELAN	*	228-214	AS	114	LM	Y	Y	5	HF	41				NA B
2021-4000067D	VALVE M.O. 1.5"-1500 LB VELAN		228-214	AS	114	LM	Y	Y	5	HF	41				NA B
2021-4000068	VALVE M.O. 3"-600 LB VELAN		228-212	DM	114	LM	Y	Y	5	HF	49				NA B
2021-4000069	VALVE M.O. 3"-600 LB VELAN		228-212	AS	114	LM	Y	Y	5	HF	49				NA B
2021-4000070A	VALVE M.O. 2"-900 LB VELAN		228-212	AS	114	LM	Y	Y	5	HF	43				NA B
2021-4000070B	VALVE M.O. 2"-900 LB VELAN		228-212	AS	114	LM	Y	Y	5	HF	43				NA B
2021-4000070C	VALVE M.O. 2"-900 LB VELAN		228-212	AS	114	LM	Y	Y	5	HF	43				NA B
2021-4000070D	VALVE M.O. 2"-900 LB VELAN		228-212	AS	114	LM	Y	Y	5	HF	43				NA B

UP

2021-4000071A	20"-900# GATE VALVE VELAN	*	228-211	DM	122	LM	Y	Y	5	NA	49				NA B
2021-4000071B	20"-900# GATE VALVE VELAN		228-211	DM	122	LM	Y	Y	5	NA	49				NA B



06/30/84

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	---STATUS---	QUAL INST

SYSTEM CCP COMPONENT COOLING - PRIMARY CONTAINMENT OR REACTOR

BOP EQUIPMENT  
E

ICCP-E1A	HEAT EXCHANGER STRUTHERS WELLS	237.210	AB	70'	Y	N	S	NA				D
ICCP-E1B	HEAT EXCHANGER STRUTHERS WELLS	237.210	AB	95'	Y	N	S	NA				D
ICCP-E1C	HEAT EXCHANGER STRUTHERS WELLS	237.210	AB	95'	Y	N	S	NA				D

FT FLOW TRANSMITTER

ICCP-FT56A	PRESS. TRANSMITTER ROSEMOUNT INC.	247.482	FB	79	RH	Y	N	N	MF	22		A
ICCP-FT56B	PRESS. TRANSMITTER ROSEMOUNT INC.	247.482	FB	79	RH	Y	N	N	MF	22		A

HOV MOTOR OPERATED VALVE

ICCP*HOV129	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LH	Y	N	D	NA	58		NA A
ICCP*HOV130	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LH	Y	N	D	NA	58		NA A
ICCP*HOV138	VALVE H.O. 10"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	58		NA B
ICCP*HOV142	6"-150# BUTTERFLY JAMESBURY	228.243	CT		LH	Y	Y	D	NA	58		NA B
ICCP*HOV143	6"-150# BUTTERFLY JAMESBURY	228.243	CT		LH	Y	Y	D	NA	58		NA B
ICCP*HOV144	6"-150# BUTTERFLY JAMESBURY	228.243	DH		LH	Y	Y	D	NA	58		NA B
ICCP*HOV158	VALVE H.O. 10"-600 LB VELAN	228.212	CT	114	LH	Y	Y	S	HF	58		NA Y
ICCP*HOV159	VALVE H.O. 10"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	58		NA Y

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		----LOCATION----			---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	-----STATUS---	QUAL INST

\*\*\*\*\*  
SYSTEM CCP COMPONENT COOLING - PRIMARY CONTAINMENT OR REACTOR

MOV MOTOR OPERATED VALVE

ICCP*MOV16A	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LM	Y	N	D	NA	58	NA	A
ICCP*MOV16B	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LH	Y	N	D	NA	58	NA	A
ICCP*MOV163	VALVE H.O. 2"-1500 LB VELAN	228.214	FB	070	LH	Y	N	S	HF	78	NA	B
ICCP*MOV169	VALVE H.O. 2"-1500 LB VELAN	228.214	FB	070	LH	Y	N	S	HF	78	NA	B
ICCP*MOV335	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LH	Y	N	D	NA	58	NA	A
ICCP*MOV336	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LH	Y	N	D	NA	58	NA	A

PT PRESSURE TRANSMITTER

ICCP*PT1A	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	70	RH	Y	N	NA	MF		B	Y
ICCP*PT1B	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	70	RH	Y	N	NA	MF		B	Y
ICCP*PT1C	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	70	RH	Y	N	NA	MF		B	Y
ICCP*PT1D	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	70	RH	Y	N	NA	MF		B	Y
ICCP*PT1E	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	70	RH	Y	N	NA	MF		B	Y
ICCP*PT1F	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	70	RH	Y	N	NA	MF		B	Y
ICCP*PT1G	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	70	RH	Y	N	NA	MF		B	Y
ICCP*PT1H	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	70	RH	Y	N	NA	MF		B	Y

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-958

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-----EQUIPMENT-----
EQUIP. ID  DESCRIPTION  MANUFACTURER  SPEC NO.  BLDG  ELEV  MTG  SEIS  HYDR  ANLYS  TEST  --QUAL METH--  --NAT FREQ-  ---STATUS---
*****

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SYSTEM CCP COMPONENT COOLING - PRIMARY CONTAINMENT OR REACTOR

RV

EQUIP. ID	DESCRIPTION	MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	QUAL	INST
ICCP*RV151	RELIEF VALVES	CROSBY	247.521	RB	123	LM	Y	Y	S	SO	157	NA
ICCP*RV155	RELIEF VALVES	CROSBY	247.521	RB	125	LM	Y	Y	S	SO	157	B
ICCP*RV57A	RELIEF VALVES	CROSBY	247.521	FB	80	LM	Y	N	S	SO	239	NA
ICCP*RV57B	RELIEF VALVES	CROSBY	247.521	FB	80	LM	Y	N	S	SO	239	B
ICCP*RV60A	RELIEF VALVES	CROSBY	247.521	AB	63	LM	Y	N	S	SO	239	NA
ICCP*RV60B	RELIEF VALVES	CROSBY	247.521	AB	63	LM	Y	N	S	SO	239	B
ICCP-RV104	RELIEF VALVE	CROSBY	247.524	FB	70	LM	Y	N	S	NA	>33	NA
ICCP-RV52A	RELIEF VALVE	CROSBY	247.524	FB	70	LM	Y	N	S	NA	>33	A
ICCP-RV52B	RELIEF VALVE	CROSBY	247.524	FB	70	LM	Y	N	S	NA	>33	A
ICCP-RV63A	RELIEF VALVE	CROSBY	247.524	FB	70	LM	Y	N	S	NA	>33	A
ICCP-RV63B	RELIEF VALVE	CROSBY	247.524	FB	70	LM	Y	N	S	NA	>33	A

TH

EQUIP. ID	DESCRIPTION	MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	QUAL	INST
ICCP*TH55A	THERMOCOUPLES RTD	PYCO	247.461	FB	95		Y	N	NA	HF		C
ICCP*TH55B	THERMOCOUPLES RTD	PYCO	247.461	FB	95		Y	N	NA	HF		C
ICCP*TH71A	THERMOCOUPLES RTD	PYCO	247.461	AB	70		Y	N	NA	HF		C
ICCP*TH71B	THERMOCOUPLES RTD	PYCO	247.461	AB	70		Y	N	NA	HF		C



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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---

SYSTEM CES COMMON ELECTRICAL

BOP EQUIPMENT  
PNL PANEL

1CES*PNL6A	RACKS FOXBORO/EH	242.444	CB	115		Y	N	NA	HF		8 A	Y
1CES*PNL6B	RACKS FOXBORO/EH	242.444	CB	115		Y	N	NA	HF		8 A	Y
1CES*PNL6C	CONTROL BOARDS ELECTRO MECHANICS	242.444	CB	116		Y	N	S	HF	LATER	9 C	Y

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---
	MANUFACTURER									QUAL	INST

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SYSTEM CFS

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BOP EQUIPMENT

LT LEVEL TRANSHITTER

1CFS*LT11A	PRESS TRANSMITT ROSEMOUNT	247.481	CT		RH	Y	Y	NA	MF		B
1CFS*LT11B	PRESS TRANSMITT ROSEMOUNT	247.481	CT		RH	Y	Y	NA	MF		B
1CFS*LT28A	PRESS TRANSMITT ROSEMOUNT	247.481	FB	113	RH	Y	N	NA	MF		B
1CFS*LT28B	PRESS TRANSMITT ROSEMOUNT	247.481	FB	113	RH	Y	N	NA	MF		B

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	-----EQUIPMENT----- SPEC NO.	---LOCATION---	---LOADS---	-QUAL METH-	-NAT FREQ-	-----RRS REF----
			BLDG ELEV MTG	SEIS HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST

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SYSTEM CMS CONTAINMENT ATMOSPHERE MONITORING

BOP EQUIPMENT  
AT ANALYZER TRANSMITTER

1CHS*AT25A	HYDROGEN ANAL. CONSIP INC.	247.421	AB	114 CF	Y N S	MF	19	3,4 B
1CHS*AT25B	HYDROGEN ANAL. CONSIP INC	247.421	AB	141 CF	Y N S	MF	19	3,4 B

LT LEVEL TRANSMITTER

1CHS*LT23A	PRESS TRANSHITT ROSEMOUNT	247.481	CT		Y Y NA	MF		B
1CHS*LT23B	PRESS TRANSHITT ROSEMOUNT	247.481	CT		Y Y NA	MF		B

PDT DIFFERENTIAL PRESSURE TRANSMITTER

1CHS*PDT29A	PRESS. TRANSHITT. ROSEMOUNT	247.481	AB	141 RH	Y N NA	MF		B Y
1CHS*PDT29B	PRESS. TRANSHITT. ROSEMOUNT	247.481	AB	141 RH	Y N NA	MF		B

PNL PANEL

1CHS*PNL10A	HYDROGEN ANAL. CONSIP INC.	247.421	AB	114 CF	Y N S	MF	19	3,4 B
1CHS*PNL10B	HYDROGEN ANAL. CONSIP INC.	247.421	AB	141 CF	Y N S	MF	19	3,4 B
1CHS*PNL12A	HYDROGEN ANAL. CONSIP INC.	247.421	AB	114 CF	Y N S	MF	19	3,4 B
1CHS*PNL12B	HYDROGEN ANAL. CONSIP INC.	247.421	AB	114 CF	Y N S	MF	19	3,4 B

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR			ANLYS TEST	LOWEST

SYSTEM CHS CONTAINMENT ATMOSPHERE MONITORING

PT PRESSURE TRANSMITTER

1CHS*PT2A	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	141	RH	Y	N	NA	MF	B	Y
1CHS*PT2B	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	141	RH	Y	N	NA	MF	B	
1CHS*PT4A	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	141	RH	Y	N	NA	MF	B	Y
1CHS*PT4B	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	141	RH	Y	N	NA	MF	B	

RTD RESISTANCE TEMPERATURE RECORDER

1CHS*RTD24A	THERMOCOUPLES RTD PYCO	247.461	CT	95	DH	Y	Y	NA	MF	C	
1CHS*RTD24B	THERMOCOUPLES RTD PYCO	247.461	CT	95	DH	Y	Y	NA	MF	C	
1CHS*RTD24C	THERMOCOUPLES RTD PYCO	247.461	CT	95	DH	Y	Y	NA	MF	C	
1CHS*RTD24D	THERMOCOUPLES RTD PYCO	247.461	CT	95	DH	Y	Y	NA	MF	C	
1CHS*RTD24E	THERMOCOUPLES RTD PYCO	247.461	CT	95	DH	Y	Y	NA	MF	C	
1CHS*RTD24F	THERMOCOUPLES RTD PYCO	247.461	CT	95	DH	Y	Y	NA	MF	C	
1CHS*RTD24G	THERMOCOUPLES RTD PYCO	247.461	CT	95	DH	Y	Y	NA	MF	C	
1CHS*RTD24H	THERMOCOUPLES RTD PYCO	247.461	CT	95	DH	Y	Y	NA	MF	C	
1CHS*RTD24J	THERMOCOUPLES RTD PYCO	247.461	CT	95	DH	Y	Y	NA	MF	C	
1CHS*RTD24K	THERMOCOUPLES RTD PYCO	247.461	CT	95	DH	Y	Y	NA	MF	C	
1CHS*RTD40A	THERMOCOUPLES RTD PYCO	247.461	CT	95	DH	Y	Y	NA	MF	C	

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

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SYSTEM CMS CONTAINMENT ATMOSPHERE MONITORING

RTD RESISTANCE TEMPERATURE RECORDER

1CHS*RTD40B	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	HF		
1CHS*RTD40C	THERMOCOUPLES RTD PYCO	247.461	CT	95	DH	Y	Y	NA	HF		C
1CHS*RTD40D	THERMOCOUPLES RTD PYCO	247.461	CT	95	DH	Y	Y	NA	HF		C
1CHS*RTD41A	THERMOCOUPLES RTD PYCO	247.461	DW	145	DH	Y	Y	NA	HF		C
1CHS*RTD41B	THERMOCOUPLES RTD PYCO	247.461	DW	95	DH	Y	Y	NA	HF		C
1CHS*RTD41C	THERMOCOUPLES RTD PYCO	247.461	DW	145	DH	Y	Y	NA	HF		C
1CHS*RTD41D	THERMOCOUPLES RTD PYCO	247.461	DW	145	DH	Y	Y	NA	HF		C
1CHS*RTD42A	THERMOCOUPLES RTD PYCO	247.461	CT	167	DH	Y	Y	NA	HF		C
1CHS*RTD42B	THERMOCOUPLES RTD PYCO	247.461	CT	167	DH	Y	Y	NA	HF		C
1CHS*RTD42C	THERMOCOUPLES RTD PYCO	247.461	CT	162	DH	Y	Y	NA	HF		C
1CHS*RTD42D	THERMOCOUPLES RTD PYCO	247.461	CT	118	DW	Y	Y	NA	HF		C
1CHS*RTD42E	THERMOCOUPLES RTD PYCO	247.461	CT	118	DH	Y	Y	NA	HF		C
1CHS*RTD42F	THERMOCOUPLES RTD PYCO	247.461	CT	118	DH	Y	Y	NA	HF		C
1CHS*RTD42G	THERMOCOUPLES RTD PYCO	247.461	CT	118	DH	Y	Y	NA	HF		C
1CHS*RTD42H	THERMOCOUPLES RTD PYCO	247.461	CT	118	DH	Y	Y	NA	HF		C
1CHS*RTD42J	THERMOCOUPLES RTD PYCO	247.461	CT	118	DH	Y	Y	NA	HF		C
1CHS*RTD42K	THERMOCOUPLES RTD PYCO	247.461	CT	118	DH	Y	Y	NA	HF		C

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOC/ET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR			ANLYS TEST	LOWEST

SYSTEM CMS CONTAINMENT ATMOSPHERE MONITORING

RTD RESISTANCE TEMPERATURE RECORDER

1CHS*RTD43A	THERMOCOUPLES RTD PYCO	247.461	DW	145 DW	Y	Y	NA	MF			C
1CHS*RTD43B	THERMOCOUPLES RTD PYCO	247.461	DW	145 DW	Y	Y	NA	MF			C
1CHS*RTD43C	THERMOCOUPLES RTD PYCO	247.461	DW	145 DW	Y	Y	NA	MF			C
1CHS*RTD43D	THERMOCOUPLES PYCO	247.461	DW	145 DW	Y	Y	NA	MF			C
1CHS*RTD43E	THERMOCOUPLES RTD PYCO	247.461	DW	145 DW	Y	Y	NA	MF			C
1CHS*RTD43F	THERMOCOUPLES RTD PYCO	247.461	DW	145 DW	Y	Y	NA	MF			C

SOV SOLENOID VALVE

1CHS*SOV31A	VALVE 3/4" TARGET ROCK	247.501	AB	141 LH	Y	Y	S	MF			NA B
1CHS*SOV31B	VALVE 3/4" TARGET ROCK	247.501	AB	141 LH	Y	Y	S	MF	139		NA B
1CHS*SOV31C	VALVE 3/4" TARGET ROCK	247.501	AB	141 LH	Y	Y	S	MF			NA B
1CHS*SOV31D	VALVE 3/4" TARGET ROCK	247.501	AB	141 LH	Y	Y	S	MF	139		NA B
1CHS*SOV32A	VALVE 3/4" TARGET ROCK	247.501	RB	141 LH	Y	Y	S	MF			NA B
1CHS*SOV32G	VALVE 3/4" TARGET ROCK	247.501	RB	141 LH	Y	Y	S	MF			NA B
1CHS*SOV33A	VALVE 3/4" TARGET ROCK	247.501	RB	170 LH	Y	Y	S	MF	139		NA B
1CHS*SOV33AA	VALVE 3/4" TARGET ROCK	247.501	RB	170 LH	Y	Y	S	MF	139		NA B
1CHS*SOV33B	VALVE 3/4" TARGET ROCK	247.501	RB	170 LH	Y	Y	S	MF	139		NA B

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION	MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	QUAL	INST
1CHS*SOV33BB	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA
1CHS*SOV33C	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA
1CHS*SOV33D	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA
1CHS*SOV33E	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA
1CHS*SOV33F	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA
1CHS*SOV33G	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA
1CHS*SOV33H	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA
1CHS*SOV33J	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA
1CHS*SOV33K	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA
1CHS*SOV33S	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA
1CHS*SOV33T	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA
1CHS*SOV33U	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA
1CHS*SOV33V	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA
1CHS*SOV33W	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA
1CHS*SOV33X	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA
1CHS*SOV33Y	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA
1CHS*SOV33Z	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA

SYSTEM CHS CONTAINMENT ATMOSPHERE MONITORING

SOV SOLENOID VALVE

1CHS*SOV33BB	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA	B
1CHS*SOV33C	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA	B
1CHS*SOV33D	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA	B
1CHS*SOV33E	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA	B
1CHS*SOV33F	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA	B
1CHS*SOV33G	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA	B
1CHS*SOV33H	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA	B
1CHS*SOV33J	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA	B
1CHS*SOV33K	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA	B
1CHS*SOV33S	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA	B
1CHS*SOV33T	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA	B
1CHS*SOV33U	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA	B
1CHS*SOV33V	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA	B
1CHS*SOV33W	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA	B
1CHS*SOV33X	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA	B
1CHS*SOV33Y	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA	B
1CHS*SOV33Z	VALVE 3/4"	TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA	B

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM CMS CONTAINMENT ATMOSPHERE MONITORING

SOV SOLENOID VALVE

1CHS*SOV34A	VALVE 3/4" TARGET ROCK	247.501	RB	141 LM	Y	Y	S	MF	139	NA	B
1CHS*SOV34B	VALVE 3/4" TARGET ROCK	247.501	RB	141 LM	Y	Y	S	MF	139	NA	B
1CHS*SOV34C	VALVE 3/4" TARGET ROCK	247.501	RB	141 LM	Y	Y	S	MF	139	NA	D B
1CHS*SOV34D	VALVE 3/4" TARGET ROCK	247.501	RB	141 LM	Y	Y	S	MF	139	NA	B
1CHS*SOV35A	VALVE 3/4" TARGET ROCK	247.501	RB	141 LM	Y	Y	S	MF		NA	B
1CHS*SOV35B	VALVE 3/4" TARGET ROCK	247.501	RB	141 LM	Y	Y	S	MF		NA	B
1CHS*SOV35C	VALVE 3/4" TARGET ROCK	247.501	RB	141 LM	Y	Y	S	MF		NA	B
1CHS*SOV35D	VALVE 3/4" TARGET ROCK	247.501	RB	141 LM	Y	Y	S	MF		NA	B



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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	EQUIPMENT----- SPEC NO.	---LOCATION---			---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	----RRS REF----	
			BLDG	ELEV	MTG	SEIS	HYDR			STATUS---	QUAL

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SYSTEM CNS CONDENSATE - MAKE-UP AND DRAHOFF

BOP EQUIPMENT  
MOV MOTOR OPERATED VALVE

1CNS#MOV125	VALVE H.O. 4"-60 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	52	NA Y
1CNS#MOV130	VALVE H.O. 4"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	52	NA Y

RV

1CNS#RV140	RELIEF VALVES CROSBY	247.521	RB	120	LH	Y	Y	S	SO	157	NA B
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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR			ANLYS TEST	LOWEST

SYSTEM CPH CONTAINMENT HYDROGEN MIXING

BOP EQUIPMENT  
FN FAN

1CPH*FN1A	MIXING FAN BUFFALO FORGE	215.400	CT	162 CF	Y	Y	S	NA	112	61,128,161 A
1CPH*FN1B	MIXING FAN BUFFALO FORGE	215.400	CT	162 CF	Y	Y	S	NA	112	61,128,161 A

MOV MOTOR OPERATED VALVE

1CPH*MOV1A	6"-150# BUTTERFLY POSI SEAL	228.241	CT	LH	Y	Y	D	NA	34	NA B Y
1CPH*MOV1B	6"-150# BUTTERFLY POSI SEAL	228.241	CT	LH	Y	Y	D	NA	34	NA B Y
1CPH*MOV2A	6"-150# BUTTERFLY POSI SEAL	228.241	CT	LH	Y	Y	D	NA	34	NA B Y
1CPH*MOV2B	6"-150# BUTTERFLY POSI SEAL	228.241	CT	LH	Y	Y	D	NA	34	NA B Y
1CPH*MOV3A	6"-150# BUTTERFLY POSI SEAL	228.241	CT	LH	Y	Y	D	NA	34	NA B Y
1CPH*MOV3B	6"-150# BUTTERFLY POSI SEAL	228.241	CT	LH	Y	Y	D	NA	34	NA B Y
1CPH*MOV4A	6"-150# BUTTERFLY POSI SEAL	228.241	CT	LH	Y	Y	D	NA	34	NA B Y
1CPH*MOV4B	6"-150# BUTTERFLY POSI SEAL	228.241	CT	LH	Y	Y	D	NA	34	NA B Y

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS TEST	LOWEST	---STATUS---	
***** QUAL INST										
SYSTEM CPP CONTAINMENT PURGE										
BOP EQUIPMENT										
FN FAN										
ICPP-FN1	PURGE FAN BUFFALO FORGE	216.130	CT	141	Y	Y	D	NA	61	A
HOV MOTOR OPERATED VALVE										
ICPP*HOV104	VALVE H.O. 3"-600 LB VELAN	228.212	CT	141	LH	Y	Y	S	MF	49 NA D
ICPP*HOV105	VALVE H.O. 3"-600 LB VELAN	228.212	CT	141	LH	Y	Y	S	MF	49 NA D
PNL PANEL										
ICPP*PNL102	CONTROL BOARDS ELECTRO MECHANICS	242.444	AB	141		Y	N	S	MF	LATER 4 C
SOV SOLENOID VALVE										
ICPP*SOV140	VALVE 1" TARGET ROCK	247.501	AB	141	LH	Y	Y	S	MF	139 NA B

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION	MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---

SYSTEM CSH CORE SPRAY - HIGH PRESSURE

BOP EQUIPMENT  
HOSE

1CSH*HOSE6	FLEX METAL HOSE MTL BELLOWS		247.011					Y		S	MF	10		B
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PDI

1CSH-PDI104	DIFF. PRESS. INDICAT. ITT-BARTON		247.457	AB	70	RH	Y	N	N		MF			A
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STR

1CSH*STR1	STRAINER ZURN INDUSTRIES		228.957	CT	70	LM	N	Y	S	N		445	NA A
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TW

1CSH*TW102	THERMOCOUPLES RTD PYCO		247.461	AB	70		Y	N	NA	MF				C
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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	EQUIPMENT SPEC NO.	LOCATION			LOADS		QUAL METH		NAT FREQ	RRS REF	
			BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL INST
*****												
SYSTEM CSL CORE SPRAY - LOW PRESSURE												
BOP EQUIPMENT												
DDI . *												
1CSL-DDI135	DIFF. PRESS. INDICAT. ITT-BARTON	247.457	AB	70	DW	Y	N	N	MF			A
PI PRESSURE INDICATOR												
1CSL-PI125	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LH	Y	NA	N	SF	7		A
STR *												
1CSL*STR1	STRAINER ZURN INDUSTRIES	228.957	CT	70	LH	N	Y	S	N	445		NA A
TH *												
1CSL*TH116	THERMOCOUPLES RTD PYCO	247.461	AB	70		Y	N	NA	MF			C
V *												
1CSL*V1	16"-300# GATE VALVE VELAN	228.211	AB	73	LH	Y	N	S	NA	65		NA B
1CSL*V31	16"-300# GATE VALVE VELAN	228.211	AB	73	LH	Y	N	S	NA			NA D

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---			-QUAL METH-	-NAT FREQ-	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR	ANLYS			TEST	LOWEST

SYSTEM C11 CONTROL ROD DRIVE HYDRAULIC CONTROL SYSTEM

BOP EQUIPMENT  
MOVF

1C11-MOVF083	VALVE M.O. 2"-1500 LB VELAN	228.216	FB	113	LH	Y	Y	S	HF	78	NA B
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RVF

1C11-RVF001A	RELIEF VALVE CROSBY	247.524	FB	70	LH	Y	N	S	NA	>33	A
1C11-RVF001B	RELIEF VALVE CROSBY	247.524	FB	70	LH	Y	N	S	NA	>33	A

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST
*****												

SYSTEM C41 STANDBY LIQUID CONTROL SYSTEM

BOP EQUIPMENT  
MOVF

1C41*MOVF001A	VALVE H.O. 3"- VELAN	228.216	DH	141	LH	Y	Y	S	MF			NA C
1C41*MOVF001B	VALVE H.O. 3"- VELAN	228.216	DH	141	LH	Y	Y	S	MF			NA C

RVF

1C41*RVF029A	RELIEF VALVES CROSBY	247.521	RB	141	LH	Y	Y	S	SO	268		NA CB
1C41*RVF029B	RELIEF VALVES CROSBY	247.521	RB	141	LH	Y	Y	S	SO	268		NA B

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

BUCKET NO. 50-459

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR			ANLYS	TEST

SYSTEM DER DRAINS - REACTOR BLDG EQUIPMENT

BOP EQUIPMENT  
AOV AIR OPERATED VALVE

IDER*AOV126	4"-150# GLOBE FISHER CONTROLS	247.491	CT		LH	Y	Y				NA D	
IDER*AOV127	4"-150# GLOBE FISHER CONTROLS	247.491	FB	113	LM	Y	Y				NA D	Y

RV

IDER*RV180	RELIEF VALVES CROSSBY	247.521	RB	104	LM	Y	Y	S	SO	157	NA B	
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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

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SYSTEM DFR DRAINS - REACTOR PLANT FLOOR

BOP EQUIPMENT  
AOV AIR OPERATED VALVE

1DFR*AOV101	4"-150# GLOBE FISHER CONTROLS	247.491	CT		LH	Y	Y					NA
1DFR*AOV102	4"-150# GLOBE FISHER CONTROLS	247.491	AB	114	LH	Y	Y					NA Y

LT LEVEL TRANSHITTER

1DFR*LT134	PRESS TRANSHITT ROSEHOUNT	247.481	AB	70	RH	Y	N	NA	HF			B
1DFR*LT135	PRESS TRANSHITT ROSEHOUNT	247.481	AB	70	RH	Y	N	NA	HF			B
1DFR*LT136	PRESS TRANSHITT ROSEHOUNT	247.481	AB	70	RH	Y	N	NA	HF			B
1DFR*LT137	PRESS TRANSHITT ROSEHOUNT	247.481	AB	70	RH	Y	N	NA	HF			B
1DFR*LT138	PRESS TRANSHITT ROSEHOUNT	247.481	AB	70	RH	Y	N	NA	HF			B
1DFR*LT139	PRESS TRANSHITT ROSEHOUNT	247.481	AB	70	RH	Y	N	NA	HF			B

RV

1DFR*RV21	RELIEF VALVES CROSBY	247.521	RB	107	LH	Y	Y	S	SO	157		NA B
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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---
	MANUFACTURER										QUAL	INST

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SYSTEM DRS

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BOP EQUIPMENT  
UC UNIT COOLER

1DRS-UC1A	UNIT COOLER BUFFALO FORGE	215.251	DW	141	CF	Y	Y	D	NA	13		A
1DRS-UC1B	UNIT COOLER BUFFALO FORGE	215.251	DW	141	CF	Y	Y	D	NA	13		A
1DRS-UC1C	UNIT COOLER BUFFALO FORGE	215.251	DW	141	CF	Y	Y	D	NA	13		A
1DRS-UC1D	UNIT COOLER BUFFALO FORGE	215.251	DW	141	CF	Y	Y	D	NA	13		A
1DRS-UC1E	UNIT COOLER BUFFALO FORGE	215.251	DW	141	CF	Y	Y	D	NA	13		A
1DRS-UC1F	UNIT COOLER BUFFALO FORGE	215.251	DW	141	CF	Y	Y	D	NA	13		A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION	MANUFACTURER	SPEC NO.	BLOG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---

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SYSTEM EGF GENERATOR STANDBY - FUEL

BOP EQUIPMENT  
LT LEVEL TRANSMITTER

1EGF*LT16A	PRESS. TRANSMITT. ROSEMOUNT	247.481	DG	98	RM	Y	N	NA	MF			B	Y
1EGF*LT16B	PRESS. TRANSMITT. ROSEMOUNT	247.481	DG	98	RM	Y	N	NA	MF			B	Y
1EGF*LT16C	PRESS. TRANSMITT. ROSEMOUNT	247.481	DG	98	RM	Y	N	NA	MF			B	Y

P PUMP

1EGF*P1A	FUEL OIL PUMP CRANE DEMING PUMPS	237.150	DG	98	EH	Y	N	S	N	8		12	B
1EGF*P1B	FUEL OIL PUMP CRANE DEMING PUMPS	237.150	DG	98	EH	Y	N	S	N	8		12	B
1EGF*P1C	FUEL OIL PUMP CRANE DEMING PUMPS	237.150	DG	98	EH	Y	N	S	N	8		12	B
1EGF*P2A	FUEL OIL PUMP DELAVAL	244.700	DG	98	EH	Y	N	NA	MF	8		13,14	A
1EGF*P2B	FUEL OIL PUMP DELAVAL	244.700	DG	98	EH	Y	N	NA	MF	8		13,14	A

PCF \*

1EGF*PCF25B	VALVE - TARGET ROCK	247.501	DG	70	LH	Y	N	S	MF	>1000			D
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PCV PRESSURE CONTROL VALVE

1EGF*PCV25A	VALVE - TARGET ROCK	247.501	DG	70	LH	Y	N	S	MF	>1000			NA A
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JOB NAME R9S - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-459

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	LOCATION		LOADS		QUAL METH		NAT FREQ		RRS REF	
			BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL

SYSTEM EGF GENERATOR STANDBY - FUEL

PI PRESSURE INDICATOR

1EGF-PI22A	PRESSURE GAUGE DRESSER INDUST.	247.452	OC	LH	Y	NA	N	SF	7			A
1EGF-PI22B	PRESSURE GAUGE DRESSER INDUST.	247.452	OC	LH	Y	NA	N	SF	7			A
1EGF-PI22C	PRESSURE GAUGE DRESSER INDUST.	247.452	OC	LH	Y	NA	N	SF	7			A

PNL PANEL

1EGF*PNL101	CONTROL BOARDS ELECTRO MECHANICS	242.444	DG	98	Y	N	NA	MF	LATER	13	B	Y
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POV

1EGF*POV25B	VALVE - TARGET ROCK	247.501	DG	70	LH	Y	N	S	MF	1000	NA	A
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STR

1EGF*STR2A	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	N	S	N	87		D	A
1EGF*STR2B	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	N	S	N	87		A	
1EGF*STR2C	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	N	S	N	87		A	
1EGF*STR2D	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	N	S	N	87		A	
1EGF*STR2E	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	N	S	N	87		A	
1EGF*STR2F	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	N	S	N	87		A	

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLVS	TEST	LOWEST	---STATUS---	
	MANUFACTURER										QUAL	INST

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SYSTEM EGO EMERGENCY DIESEL GENERATOR LUBE OIL SYSTEM

BOP EQUIPMENT

E												
		*										
1EGO*E1A	LUBE OIL COOLER DELAVAL	244.700	DG	98	EM	Y	N	S	NA	40	13,14	A
1EGO*E1B	LUBE OIL COOLER DELAVAL	244.700	DG	98	EM	Y	N	S	NA	40	13,14	A

P PUMP

1EGO*P1A	AC LUBE OIL PUMP DELAVAL	244.700	DG	98	EM	Y	N	NA	SF	>15	13,14	A
1EGO*P1B	AC LUBE OIL PUMP DELAVAL	244.700	DG	98	EM	Y	N	NA	SF	>15	13,14	A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	LOCATION		LOADS		SEIS	HYDR	ANLYS	TEST	NAT FREQ LOWEST	RRS REF	
			BLDG	ELEV	MTG	SEIS						QUAL	METH
*****													
SYSTEM EGS GENERATOR STANDBY - SYSTEM													
BOP EQUIPMENT													
EG *													
1EGS*EG1A	DSL GEN MAJOR CORP. DELAVAL	244.700	DG	98	EM	Y	N	S	SF	-	13,14	D	Y
1EGS*EG1B	DSL GEN MAJOR CORP. DELAVAL	244.700	DG	98	EM	Y	N	S	SF	-	13,14	A	Y
PNL PANEL													
1EGS*PNL2A	CONTROL BOARDS ELECTRO MECHANICS	242.444	DG	98		Y	N	NA	HF	LATER	12	C	Y
1EGS*PNL2B	CONTROL BOARDS ELECTRO MECHANICS	242.444	DG	98		Y	N	NA	HF	LATER	12	C	Y
RES *													
1EGS-RES1A	GROUND RESISTOR GE	242.302	DG	98		Y	N	N	SFHD	7.5		A	
1EGS-RES1B	GROUND RESISTOR GE	242.302	DG	98		Y	N	N	SFHD	7.4		A	

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	EQUIPMENT		LOCATION		LOADS		QUAL METH		NAT FREQ	RRS REF	
	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS

SYSTEM EGT EMERGENCY DIESEL GENERATOR JACKET WATER TEMPERATURE SYSTEM

BOP EQUIPMENT  
E

1EGT*E1A	JACKET WTR COOLER DELAVAL	244.700	DG	98	EH	Y	N	S	NA	60	13,14 A
1EGT*E1B	JACKET WTR COOLER DELAVAL	244.700	DG	98	EH	Y	N	S	NA	60	13,14 A

P PUMP

1EGT*P1A	JACKET WTR KEEP WARM PUMP DELAVAL	244.700	DG	98	EH	Y	N	NA	HF	>15	13,14 A
1EGT*P1B	JACKET WTR KEEP WARM PUMP DELAVAL	244.700	DG	98	EH	Y	N	NA	HF	>15	13,14 A





JOB NAME RDS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
FASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-958

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOADS	LOCATION	QUAL	METH	NAT	FREQ	PRJ	REF
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1EWS-MCC6A	MOTOR CONTROL CENTERS GOLD, INC.	242.562	CB	98	CF	Y	N	NA	MF	4	2-4,7,12,17,31	B	Y				
1EWS-MCC6B	MOTOR CONTROL CENTERS GOLD, INC.	242.562	CB	98	CF	Y	N	NA	MF	4	2-4,7,12,17,31	B	Y				

SYSTEM EWS MOTOR CONTROL CENTER STANDBY SYSTEM

SOP EQUIPMENT  
MCC MOTOR CONTROL CENTER

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FRQ-	---RRS REF---	---STATUS---	
			BLDG	ELEV	MTG	SEIS				HYDR	ANLYS

SYSTEM EJS UNIT SUBSTATION STANDBY SYSTEM

BOP EQUIPMENT  
LDC LOAD CENTER

1EJS*LDC1A	LOAD CENTER POWELL ELECTRIC	242.533	CB	098	CF	Y	N	NA	HF		C	Y
1EJS*LDC1B	LOAD CENTER POWELL ELECTRIC	242.533	CB	098	CF	Y	N	NA	HF		C	Y
1EJS*LDC2A	LOAD CENTER POWELL ELECTRIC	242.533	AB	141	CF	Y	N	NA	HF		C	Y
1EJS*LDC2B	LOAD CENTER POWELL ELECTRIC	242.533	AB	141	CF	Y	N	NA	HF		C	Y

X

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1EJS*X1A	TRANSFORMER POWELL ELECTRIC	242.533	CB	098	CF	Y	N	NA	HF	11		
1EJS*X1B	TRANSFORMER POWELL ELECTRIC	242.533	AB	141	CF	Y	N	NA	HF	11	A	
1EJS*X2A	TRANSFORMER POWELL ELECTRIC	242.533	CB	098	CF	Y	N	NA	HF	11	A	
1EJS*X2B	TRANSFORMER POWELL ELECTRIC	242.533	AB	141	CF	Y	N	NA	HF	11	A	
1EJS*X3A	TRANSFORMER POWELL ELECTRIC	242.533	SH	143	CF	Y	N	S	HF	63	A	Y
1EJS*X3B	TRANSFORMER POWELL ELECTRIC	242.533	SH	143	CF	Y	N	S	HF	63	A	Y

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---			---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	----RRS REF----	
			BLDG	ELEV	HTG	SEIS	HYDR			---STATUS---	QUAL
*****											
SYSTEM ENB SWGR STANDBY 9160V - DC CONTROL SUPPLY											
BOP EQUIPMENT											
BAT BATTERY											
1ENB*BAT01A	STORAGE BATTERY GOULD	244.521	CB	116	CF	Y	N	S	MF	>10	A Y
1ENB*BAT01B	STORAGE BATTERY GOULD	244.521	CB	116	CF	Y	N	S	MF	>10	A Y
CHGR BATTERY CHARGER											
1ENB*CHGR1A	BATT. CHARGER POWER CONVERS. PROD.	244.523	CB	116	CF	Y	N	NA	MF		B Y
1ENB*CHGR1B	BATT. CHARGER POWER CONVERS. PROD.	244.523	CB	116	CF	Y	N	NA	MF		B Y
INV											
1ENB*INV01A	INVERTER ELGAR CORP.	244.512	CB	116	CF	Y	N	NA	MF	8,9	C Y
1ENB*INV01B	INVERTER ELGAR CORP.	244.512	CB	116	CF	Y	N	N	MF	8,9	C Y
HCC MOTOR CONTROL CENTER											
1ENB*HCC1	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	95	CF	Y	N	NA	MF	4	2-4,7,12,17,31 B Y
PNL PANEL											
1ENB*PNL02A	PANEL BOARDS SQUARE "D" CO.	242.421	CB	136	DH	Y	N	NA	SF		3,4,7,9,12,33 C Y
1ENB*PNL02B	PANEL BOARDS SQUARE "D" CO.	242.421	CB	136	DH	Y	N	NA	SF		3,4,7,9,12,33 C Y

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---
	MANUFACTURER									QUAL	INST

\*\*\*\*\*  
SYSTEM ENB SWGR STANDBY 4160V - DC CONTROL SUPPLY

Pnl PANEL

1ENB*PNL03A	PANEL BOARDS SQUARE "D" CO.	242.421	DG	98	DH	Y	N	NA	SF		3,4,7,9,12,33 C Y
1ENB*PNL03B	PANEL BOARDS SQUARE "D" CO.	242.421	DG	98	DH	Y	N	NA	SF		3,4,7,9,12,33 C Y

SHG SWITCHGEAR

1ENB*SHG01A	SWITCHGEAR BROWN-BOVERI	242.521	CB	098	CF	Y	N	N	MF	6	3,7,12,17 A Y
1ENB*SHG01B	SWITCHGEAR BROWN-BOVERI	242.521	CB	098	CF	Y	N	N	MF	6	3,7,12,17 A Y

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	EQUIPMENT		LOCATION		LOADS		QUAL METH	NAT FREQ	RRS REF		
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLVS TEST	LOWEST	STATUS	QUAL INST	
*****											
SYSTEM ENS SHGR STANDBY 4160V - SYSTEM											
BOP EQUIPMENT											
SWG SWITCHGEAR											
1ENS*SWG1A	SWITCHGEAR BROWN-BOVERI	242.521	CB	098	CF	Y	N	N	MF	14	3,7,12,17 A Y
1ENS*SWG1B	SWITCHGEAR BROWN-BOVERI	242.521	CB	098	CF	Y	N	N	MF	14	3,7,12,17 A Y
1ENS*SWG2A	SWITCHGEAR BROWN-BOVERI	242.521	DG	098		Y	N	N	MF	8	3,7,12,17 D Y
1ENS*SWG2B	SWITCHGEAR BROWN-BOVERI	242.521	DG	098	CF	Y	N	N	MF	8	3,7,12,17 A Y
1ENS*SWG3A	SWITCHGEAR BROWN-BOVERI	242.521	FB	095	CF	Y	N	N	MF	8	3,7,12,17 A Y
1ENS*SWG3B	SWITCHGEAR BROWN-BOVERI	242.521	AB	114	CF	Y	N	N	MF	8	3,7,12,17 A Y
1ENS*SWG4A	SWITCHGEAR BROWN-BOVERI	242.521	FB	095	CF	Y	N	N	MF	8	3,7,12,17 A Y
1ENS*SWG4B	SWITCHGEAR BROWN-BOVERI	242.521	AB	114	CF	Y	N	N	MF	8	3,7,12,17 A Y



JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	EQUIPMENT		LOCATION		LOADS		QUAL METH	NAT FREQ	RRS REF	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS TEST	LOWEST	STATUS	QUAL INST

SYSTEM E12 RESIDUAL HEAT REMOVAL

MOV MOTOR OPERATED VALVE

1E12*MOV74B	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	095 LN	Y	N	S		78		D
MOV		*									
1E12*MOV003A	VALVE H.O. 14" VELAN	228.212	4B	070 LH	Y	Y				NA	D
1E12*MOV003B	VALVE H.O. 14" VELAN	228.212	AB	070 LH	Y	Y				NA	D
1E12*MOV004A	VALVE H.O. 20" VELAN	228.212	AB	070 LH	Y	Y				NA	D
1E12*MOV004B	VALVE H.O. 20" VELAN	228.212	AB	070 LH	Y	Y				NA	D
1E12*MOV006A	VALVE H.O. 12"-300 LB VELAN	228.212	AB	070 LH	Y	Y	S	HF	65	NA	B
1E12*MOV006B	VALVE H.O. 12"-300 LB VELAN	228.212	AB	070 LH	Y	Y	S	HF	65	NA	B
1E12*MOV008	VALVE H.O. 16"-600 LB VELAN	228.212	AB	070 LH	Y	Y	S	HF	44	NA	B
1E12*MOV009	VALVE H.O. 16"-600 LB VELAN	228.212	AB	095 LH	Y	Y	S	HF	44	NA	B
1E12*MOV011A	VALVE H.O. 4"-600 LB VELAN	228.212	AB	095 LH	Y	Y	S	HF	52	NA	B
1E12*MOV011B	VALVE H.O. 4"-600 LB VELAN	228.212	AB	095 LH	Y	Y	S	HF	52	NA	B
1E12*MOV021	VALVE H.O. 14"-300 LB VELAN	228.212	AB	095 LH	Y	Y				NA	D
1E12*MOV023	VALVE H.O. 4"-900 LB VELAN	228.212	AB	095 LH	Y	Y	S	HF	48	NA	B
1E12*MOV024A	VALVE H.O. 14"-300 LB VELAN	228.212	AB	095 LH	Y	Y				NA	D
1E12*MOV024B	VALVE H.O. 14"-300 LB VELAN	228.212	AB	095 LH	Y	Y				NA	D

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---			
			BLDG	ELEV	MTG	SEIS			HYDR	ANLYS	TEST	LOWEST
*****												
SYSTEM E12 RESIDUAL HEAT REMOVAL												
HOVF *												
1E12*HOVF026A	VALVE H.O. 4"-60 LB VELAN	228.212	AB	076	LH	Y	Y	S	HF	52	NA B	Y
1E12*HOVF026B	VALVE H.O. 4"-60 LB VELAN	228.212	AB	076	LH	Y	Y	S	HF	52	NA B	Y
1E12*HOVF037A	VALVE H.O. 10"-300 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	67	NA B	Y
1E12*HOVF037B	VALVE H.O. 10"-300 LB VELAN	228.212	AB	114	LH	Y	Y	S		67	NA B	Y
1E12*HOVF040	VALVE H.O. 6"-600 LB VELAN	228.212	AB	076	LH	Y	N	S	HF	65	NA B	Y
1E12*HOVF042A	VALVE H.O. 10"-600 LB. VELAN	228.212	AB	114	LH	Y	Y	S	HF	58	NA B	Y
1E12*HOVF042B	VALVE H.O. 10"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	58	NA B	Y
1E12*HOVF042C	VALVE H.O. 10"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	58	NA B	Y
1E12*HOVF047A	VALVE H.O. 14" VELAN	228.212	AB	095	LH	Y	N				NA D	Y
1E12*HOVF047B	VALVE H.O. 14" VELAN	228.212	AB	095	LH	Y	N				NA	Y
1E12*HOVF048A	VALVE H.O. 14" VELAN	228.212	AB	070	LH	Y	Y				NA D	Y
1E12*HOVF048B	VALVE H.O. 14" VELAN	228.212	AB	070	LH	Y	Y				NA D	Y
1E12*HOVF049	VALVE H.O. 6"-600 LB VELAN	228.212	AB	076	LH	Y	Y	S	HF	54	NA B	Y
1E12*HOVF053A	VALVE H.O. 10" VELAN	228.212	AB	095	LH	Y	Y				NA D	Y
1E12*HOVF053B	VALVE H.O. 10" VELAN	228.212	AB	095	LH	Y	N				NA D	Y
1E12*HOVF064A	VALVE H.O. 4"-60 LB VELAN	228.212	AB	076	LH	Y	N	S	HF	52	NA B	Y
1E12*HOVF064B	VALVE H.O. 4"-60 LB VELAN	228.212	AB	076	LH	Y	Y	S	HF	52	NA B	Y



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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR			ANLYS TEST	LOREST

SYSTEM E12 RESIDUAL HEAT REMOVAL

HOVF \*

1E12*HOVF064C	VALVE H.O. 4"-60 LB VELAN	228.212	AB	076	LH	Y	N	S	MF	52	NA B	Y
1E12*HOVF068A	18"-155# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	52	NA A	
1E12*HOVF068B	18"-155# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	52	NA A	
1E12*HOVF087A	VALVE H.O. 8"-900 LB VELAN	228.212	AB	095	LH	Y	Y	S	MF	87	NA B	Y
1E12*HOVF087B	VALVE H.O. 8"-900 LB VELAN	228.212	AB	095	LH	Y	N	S	MF	87	NA B	Y
1E12*HOVF096	VALVE H. O. 10"-600 LB VELAN	228.212	AB	076	LH	Y	Y	S	MF	58	NA B	Y
1E12*HOVF73B	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	095	LH	Y	Y	S	MF	78	NA B	
1E12*HOVF74B	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	095	LH	Y	N	S	MF	78	NA B	

PC \*

1E12*PC003	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	AB	78	DH	Y	N	S	NA	41		2,7
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PVF \*

1E12*PVF051A	4"-900# GLOBE FISHER CONTROLS	247.491	AB		LH	Y	Y				NA D	
1E12*PVF051B	4"-900# GLOBE FISHER CONTROLS	247.491	AB		LH	Y	Y				NA D	

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UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DCCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST
-----											
*****											

SYSTEM E12 RESIDUAL HEAT REMOVAL

RVF

1E12+RVF005	RELIEF VALVES CROSBY	247.521	AB	78	LH	Y	N	S	SO	342	NA B
1E12+RVF017A	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	N	S	SO	342	NA B
1E12+RVF017B	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	N	S	SO	342	D
1E12+RVF025A	RELIEF VALVES CROSBY	247.521	AB	98	LH	Y	N	S	SO	296	NA B
1E12+RVF025B	RELIEF VALVES CROSBY	247.521	AB	95	LH	Y	N	S	SO	296	NA B
1E12+RVF025C	RELIEF VALVES CROSBY	247.521	AB	106	LH	Y	N	S	SO	296	NA B
1E12+RVF030	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	N	S	SO	239	NA B
1E12+RVF036	RELIEF VALVES CROSBY	247.521	AB	64	LH	Y	N	S	SO	98	NA B
1E12+RVF055A	RELIEF VALVES CROSBY	247.521	AB	106	LH	Y	N	S	SO	123	NA B
1E12+RVF055B	RELIEF VALVES CROSBY	247.521	AB	106	LH	Y	N	S	SO	123	NA B
1E12+RVF100A	RELIEF VALVES CROSBY	247.521	AB	85	LH	Y	N	S	SO	268	NA B
1E12+RVF100B	RELIEF VALVES CROSBY	247.521	AB	85	LH	Y	N	S	SO	268	NA B
1E12+RVF101	RELIEF VALVES CROSBY	247.521	AB	85	LH	Y	N	S	SO	239	NA B

SOVF

1E12+SOVF060A	VALVE 3/4" TARGET ROCK	247.501				Y	N	S	HF	139	NA A	Y
1E12+SOVF060B	VALVE 3/4" TARGET ROCK	247.501				Y	N	S	HF	139	NA A	Y

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----		
			BLDG	ELEV MTG	SEIS	HYDR			ANLVS	TEST	LOWEST
*****											
SYSTEM E12 RESIDUAL HEAT REMOVAL											
SOVF *											
1E12+SOVF075A	VALVE 3/4" TARGET ROCK	247.501			Y	N	S	HF	139	NA A	Y
1E12+SOVF075B	VALVE 3/4" TARGET ROCK	247.501			Y	N	S	HF	139	NA A	Y
1E12+SOVF095	VALVE 3/4" TARGET ROCK	247.501			Y	N	S	HF	139	NA A	Y
VF *											
1E12+VF007	10"-600 GATE VALVE VELAN	228.211	DW	141 LH	Y	Y	S	NA		NA D	
1E12+VF010	18"-600 GATE VALVE VELAN	228.211	DW	95 LH	Y	Y	S	NA		NA D	
1E12+VF029A	14"-300# GATE VALVE VELAN	228.211	AB	73 LH	Y	N	S	NA		NA D	
1E12+VF029B	14"-300# GATE VALVE VELAN	228.211	AB	73 LH	Y	N	S	NA		NA D	
1E12+VF029C	14"-300# GATE VALVE VELAN	228.211	AB	76 LH	Y	N	S	NA		NA D	
1E12+VF039A	10"-600# GATE VALVE VELAN	228.211	DW	136 LH	Y	Y	S	NA		NA D	
1E12+VF039B	10"-600# GATE VALVE VELAN	228.211	DW	136 LH	Y	Y	S	NA		NA D	
1E12+VF039C	10"-600# GATE VALVE VELAN	228.211	DW	136 LH	Y	Y	S	NA		NA D	
1E12+VF067	14"-300# GATE VALVE VELAN	228.211	AB	76 LH	Y	N	S	NA		NA D	
1E12+VF099A	8"-300# GAVE VALVE VELAN	228.211	CT	125 LH	Y	Y	S	NA		NA NA	
1E12+VF099B	8"-300# GATE VALVE VELAN	228.211	CT	122 LH	Y	Y	S	NA		NA D	

JOB NAME RBS - UNIT 1  
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SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR			---STATUS---	QUAL INST

SYSTEM E21 CORE SPRAY - LOW PRESSURE

BCP EQUIPMENT  
AOVF \*

1E21*AOVF006	CHECK VALVES ATHOOD & MORRILL CO.	228.218	DH	141	LH	Y	Y	S	MF	108	NA B	Y
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HOVF \*

1E21*HOVF001	VALVE H.O. 20" VELAN	228.212	AB	070	LH	Y	Y				NA D	Y
1E21*HOVF005	VALVE H.O. 10"-600 LB VELAN	228.212	AB	110	LH	Y	Y	S	MF	58	NA B	Y
1E21*HOVF011	VALVE H.O. 4"-600 LB VELAN	228.212	AB	095	LH	Y	Y	S	MF	52	NA B	Y
1E21*HOVF012	VALVE H.O. 10"-300 LB VELAN	228.212	AB	095	LH	Y	Y	S	MF	67	NA B	Y

PC \*

1E21*PC002	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	AB	78'	DH	Y	N	S	NA	41	2.7 A	
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RVF \*

1E21*RVF018	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	N	S	SD	296	NA B	
1E21*RVF031	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	N	S	SD	168	NA B	

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SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
			BLOG	ELEV MTG	SEIS	HYDR			ANLYS	TEST

\*\*\*\*\*  
SYSTEM E22 CORE SPRAY - HIGH PRESSURE

BOP EQUIPMENT  
AOVF

1E22*AOVF005	CHECK VALVES ATHOOD & HERRILL CO.	228.218	DW	141	LM	Y	Y	S	HF	108	NA B	Y
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PC

1E22*PC003	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	AB	78	DM	Y	N	S	NA	41	2,7 A	
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RVF

1E22*RVF014	RELIEF VALVES CROSBY	247.521	AB	70	LM	Y	N	S	SO	268	NA B	
1E22*RVF035	RELIEF VALVES CROSBY	247.521	AB	70	LM	Y	N	S	SO	699	NA B	
1E22*RVF039	RELIEF VALVES CROSBY	247.521	AB	70	LM	Y	N	S	SO	699	NA B	

VF

1E22*VF036	10"-900# GATE VALVE VELAN	228.211	DW	141	LM	Y	Y	S	NA	151	NA B	
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JOB NAME FBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		--NAT FREQ-		---RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOHEST	---	STATUS---	QUAL INST
*****												
SYSTEM E33 MAIN STEAM ISOLATION VALVE SEALS												
BOP EQUIPMENT												
MOVF *												
1E33*MOV005	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141 LH	Y	N	S	MF	78		NA	B
1E33*MOV006	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141 LH	Y	N	S	MF	78		NA	B
1E33*MOV007	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141 LH	Y	N	S	MF	78		NA	B
1E33*MOV008	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141 LH	Y	N	S	MF	78		NA	B
1E33*MOV025	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141 LH	Y	N	S	MF	78		NA	B
1E33*MOV026	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141 LH	Y	N	S	MF	78		NA	B
1E33*MOV027	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141 LH	Y	N	S	MF	78		NA	B
1E33*MOV028	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141 LH	Y	N	S	MF	78		NA	B
PVF *												
1E33*PVF002	1"-150# GLOBE COPEX VULCAN	247.497	AB	114 LH	Y	N	S	NA	81		NA	B
1E33*PVF022	1"-150# GLOBE COPEX VULCAN	247.497	AB	114 LH	Y	N	S	NA	81		NA	B
RVF *												
1E33*RVF003	RELIEF VALVES CROSBY	247.521	AB	141 LH	Y	N	S	SO	239		NA	B
1E33*RVF023	RELIEF VALVES CROSBY	247.521	AB	141 LH	Y	N	S	SO	239		NA	B

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ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR			ANLYS	TEST

\*\*\*\*\*  
SYSTEM E33 MAIN STEAM ISOLATION VALVE SEALS

SOVF

\*

1E33*SOVF014	VALVE 2" TARGET ROCK	247.501	AB	141 LM	Y	N	S	MF	139	NA A	
1E33*SOVF034	VALVE 2" TARGET ROCK	247.501	AB	141 LM	Y	N	S	MF	139	NA A	Y

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	
			BLDG	ELEV	MTG	SEIS			HYDR	ANLYS

SYSTEM E51 REACTOR CORE ISOLATION COOLING SYSTEM

BOP EQUIPMENT  
ADVF

1E51*ADVF004	1"-150# GLOBE FISHER CONTROLS	247.491	AB	70	LH	Y	N					NA D	Y
1E51*ADVF005	1"-150# GLOBE FISHER CONTROLS	247.491	AB	70	LH	Y	N					NA D	Y
1E51*ADVF025	1"-1500# GLOBE FISHER CONTROLS	247.491	AB	70	LH	Y	N					NA D	Y
1E51*ADVF026	1"-1500# GLOBE FISHER CONTROLS	247.491	AB	70	LH	Y	N					NA D	Y
1E51*ADVF054	1"-1500# GLOBE FISHER CONTROLS	247.491	AB	70	LH	Y	N					NA D	Y
1E51*ADVF65	CHECK VALVES ATHOOD & MORRILL CO.	228.218	AB	114	LH	Y	N	S	HF	38		NA B	Y
1E51*ADVF66	CHECK VALVES ATHOOD & MORRILL CO.	228.218	DH	173	LH	Y	Y	S	HF	38		NA B	Y

MOVF

1E51*MOVF010	VALVE H.O. 6"-600 LB VELAN	228.212	AB	077	LH	Y	N	S	HF	54		NA A	Y
1E51*MOVF013	VALVE H.O. 6"-900 LB VELAN	228.212	AB	095	LH	Y	Y	S	HF	58		NA B	Y
1E51*MOVF019	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	095	LH	Y	Y	S	HF	70		NA B	Y
1E51*MOVF022	VALVE H.O. 4"-900 LB VELAN	228.212	AB	077	LH	Y	N	S	HF	48		NA B	Y
1E51*MOVF031	VALVE H.O. 6"-600 LB VELAN	228.212	AB	070	LH	Y	Y	S	HF	54		NA B	Y
1E51*MOVF045	VALVE H.O. 4"-900 LB VELAN	228.212	AB	070	LH	Y	N	S	HF	48		NA B	Y
1E51*MOVF046	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	070	LH	Y	N	S	HF	70		NA B	Y
1E51*MOVF059	VALVE H.O. 4"-900 LB VELAN	228.212	AB	077	LH	Y	N	S	HF	44		NA B	Y



JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	EQUIPMENT		LOCATION		LOADS		QUAL METH		NAT FREQ	RRS REF	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL INST

SYSTEM E51 REACTOR CORE ISOLATION COOLING SYSTEM

MOVF \*

1ES1*MOV043	VALVE H.O. 8"-600 LB VELAN	228.212	CT	122 LH	Y	Y	S	MF	49	NA B	Y
1ES1*MOV064	VALVE H.O. 8"-600 LB VELAN	228.212	AB	114 LH	Y	Y	S	MF	49	NA B	Y
1ES1*MOV068	VALVE H.O. 12"-300 LB VELAN	228.212	AB	095 LH	Y	Y	S	MF	79	NA B	Y
1ES1*MOV076	VALVE H.O. 3/4"-1500 LB VELAN	228.214	CT	114 LH	Y	Y	S	MF	50	NA B	
1ES1*MOV077	VALVE H.O. 1.5"-1500 LB VELAN	228.214	AB	095 LH	Y	N	S	MF	61	NA B	
1ES1*MOV078	VALVE H.O. 2.5" VELAN	228.212	AB	095 LN	Y	Y				NA D	

PC \*

1ES1*PC003	CENTRIFUGAL PUMPS GOLD PUMPS	237.160	AB	70 CF	Y	N	S	NA	41	2,7 A	
------------	---------------------------------	---------	----	-------	---	---	---	----	----	----------	--

PCV PRESSURE CONTROL VALVE

1ES1*PCV015	1"-1500# GLOBE FISHER CONTROLS	247.491	AB	070 LH	Y	N				NA A	
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PCVF \*

1ES1*PCVF015	VALVE TARGET ROCK	247.501				Y	N	S	MF		D
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06/30/84

JOB NAME PBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---

\*\*\*\*\*  
SYSTEM 551 REACTOR CORE ISOLATION COOLING SYSTEM

RVF

1E51*RVF017	RELIEF VALVES CROSBY	247.521	AB	73	LH	Y	N	S	SO	239	NA B
1E51*RVF018	RELIEF VALVES CROSBY	247.521	AB	75	LH	Y	N	S	SO	185	NA B
1E51*RVF090	RELIEF VALVES CROSBY	247.521	AB	78	LH	Y	N	S	SO	699	NA B

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-459

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	
	MANUFACTURER									QUAL	INST
*****											

SYSTEM FNR

\*

BOP EQUIPMENT  
SHLD

\*

1FNR-SHLD1	PORT. REFUEL. RAD SHIELD NUCLEAR ENERGY SER.	221.340	RB	162	Y	Y	S/D	NA			
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D

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---

\*\*\*\*\*

SYSTEM FNS

\*

BOP EQUIPMENT  
RAK RACK

1FNS*RAK2A	RACKS WESTINGHOUSE	223.321	FB	70	CF	Y	N	D	NA	7	16 B
1FNS*RAK2B	RACKS WESTINGHOUSE	223.321	FB	70	CF	Y	N	D	N	7	16 B
1FNS*RAK2C	RACKS WESTINGHOUSE	223.321	FB	70	CF	Y	N	D	NA	7	16 B

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION	MANUFACTURER	EQUIPMENT	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	QUAL	METH	NAT	FREQ	RRS	REF	STATUS	QUAL	INST
1FFM#MOV121	VALVE H.O. 6"-600 LB	VELAN		228.212	AB	141	LM	Y	Y	S	MF	54						NA		
1FFM#MOV122	VALVE H.O. 6"-600 LB	VELAN		228.212	AB	141	LM	Y	Y	S	MF	54						NA		

SYSTEM FPM FIRE PROTECTION - WATER

BCP EQUIPMENT  
MOV MOTOR OPERATED VALVE

06/30/84

JOB NAME RPS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LONEST	---STATUS---	QUAL INST

\*\*\*\*\*

SYSTEM FWS FEEDWATER SYSTEM

BOP EQUIPMENT  
MOV MOTOR OPERATED VALVE

IFHS#MOV7A	VALVE H.O. 20"-900 LB VELAN	228.212	AB	097	LH	Y	Y	S	MF	49	NA B	Y
IFHS#MOV7B	VALVE H.O. 20"-900 LB VELAN	228.212	AB	097	LH	Y	Y	S	MF	49	NA B	Y

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	EQUIPMENT	SPEC NO.	LOCATION	LOADS	SEIS	HYDR	ANLYS	TEST	QUAL METH-	NAT FREQ-	RRS REF----	STATUS----	QUAL INST
*****														
SYSTEM GTS GAS TREATMENT STANDBY														
BOP EQUIPMENT														
ACC AIR OPERATED DAMPER														
1GTS#A001A	AIR OPERATED DAMPER QUALITY AIR DESIGN		215.480	AB 141	Y	N	S	NA	39	NA				A
1GTS#A001B	AIR OPERATED DAMPER QUALITY AIR DESIGN		215.480	AB 141	Y	N	S	NA	39	NA				A
1GTS#A0021A	AIR OPERATED DAMPER QUALITY AIR DESIGN		215.480	AB 141	Y	N	S	NA	39	NA				A
1GTS#A0021B	AIR OPERATED DAMPER QUALITY AIR DESIGN		215.480	AB 141	Y	N	S	NA	39	NA				A
1GTS#A0022A	AIR OPERATED DAMPER QUALITY AIR DESIGN		215.480	AB 141	Y	N	S	NA	39	NA				A
1GTS#A0022B	AIR OPERATED DAMPER QUALITY AIR DESIGN		215.480	AB 141	Y	N	S	NA	39	NA				A
1GTS#A0023A	AIR OPERATED DAMPER QUALITY AIR DESIGN		215.480	AB 141	Y	N	S	NA	39	NA				A
1GTS#A0023B	AIR OPERATED DAMPER QUALITY AIR DESIGN		215.480	AB 141	Y	N	S	NA	39	NA				A
1GTS#A003A	AIR OPERATED DAMPER QUALITY AIR DESIGN		215.480	AB 141	Y	N	S	NA	39	NA				A
1GTS#A003B	AIR OPERATED DAMPER QUALITY AIR DESIGN		215.480	AB 141	Y	N	S	NA	39	NA				A
1GTS#A004A	AIR OPERATED DAMPER QUALITY AIR DESIGN		215.480	AB 141	Y	N	S	NA	39	NA				A
1GTS#A004B	AIR OPERATED DAMPER QUALITY AIR DESIGN		215.480	AB 141	Y	N	S	NA	39	NA				A
*****														
DMP														
1GTS#DMP1A	MAN. BAL. DAMPER QUALITY AIR DESIGN		215.480	AB 141	Y	N	S	NA	50	NA				A
1GTS#DMP1B	MAN. BAL. DAMPER QUALITY AIR DESIGN		215.480	AB 141	Y	N	S	NA	50	NA				A
1GTS#DMP2A	BACKRAFT DAMPER QUALITY AIR DESIGN		215.480	AB 141	Y	N	S	NA	50	NA				A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF----	
			BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---
*****											
SYSTEM GTS GAS TREATMENT STANDBY											
DHP *											
1GTS*DHP2B	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	AB	141		Y	N	S	NA	50	
1GTS*DHP3A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AB	141		Y	N	S	NA	50	A
1GTS*DHP3B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AB	141		Y	N	S	NA	50	A
1GTS*DHP4A	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	AB	141		Y	N	S	NA	50	A
1GTS*DHP4B	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	AB	141		Y	N	S	NA	50	A
1GTS*DHP5A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AB	141		Y	N	S	NA	50	A
1GTS*DHP5B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AB	141		Y	N	S	NA	50	A
1GTS*DHP6A	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	AB	141		Y	N	S	NA	50	A
1GTS*DHP6B	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	AB	141		Y	N	S	NA	50	A
FE FLOW ELEMENT											
1GTS*FE24A	FLOW SWITCH FCI	247.433	AB	170	LH	Y	N	NA	HF		NA
1GTS*FE24B	FLOW SWITCH FCI	247.433	AB	170	LH	Y	N	NA	HF		B
FLT- *											
1GTS*FLT-1A	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	AB	141	CF	Y	N	D	HF	9	B
1GTS*FLT-1B	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	AB	141	CF	Y	N	D	HF	9	B



JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---

\*\*\*\*\*  
SYSTEM GTS GAS TREATMENT STANDBY

FN FAN

1GTS*FN1A	EXHAUST BLOWERS BUFFALO FORGE	215.400	AB	141	CF	Y	N	S	NA	20	4	B
1GTS*FN1B	EXHAUST BLOWERS BUFFALO FORGE	215.400	AB	141	CF	Y	N	S	NA	20	4	B
1GTS*FN2A	DECAY HEAT FAN BUFFALO FORGE	215.400	AB	70	CF	Y	N	S	NA	112	1	B
1GTS*FN2B	DECAY HEAT FAN BUFFALO FORGE	215.400	AB	141	CF	Y	N	S	NA	112	4	B

FS FLOW SWITCH

1GTS*FS24A	FLOW SWITCH FCI	247.433	AB	170	LH	Y	N	NA	MF		NA	B
1GTS*FS24B	FLOW SWITCH FCI	247.433	FB	170	LH	Y	N	NA	MF		NA	B

PDI

1GTS-PDI16A	PRESS. INDICATOR DHYER	247.458	NA		RH	Y	N	S	NA			A
1GTS-PDI16B	PRESS. INDICATOR DHYER	247.458	NA		RH	Y	N	S	NA			A
1GTS-PDI17A	PRESS. INDICATOR DHYER	247.458	NA		RH	Y	N	S	NA			A
1GTS-PDI17B	PRESS. INDICATOR DHYER	247.458	NA		RH	Y	N	S	NA			A
1GTS-PDI19B	PRESS. INDICATOR DHYER	247.458	NA		RH	Y	N	S	NA			A
1GTS-PDI26A	PRESS. INDICATOR DHYER	247.458	NA		RH	Y	N	S	NA			A
1GTS-PDI26B	PRESS. INDICATOR DHYER	247.458	NA		RH	Y	N	S	NA			A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	
			BLDG	ELEV	MTG	SEIS			HYDR	ANLYS

SYSTEM GTS GAS TREATMENT STANDBY

POI

16TS-POI6A	PRESS. INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA		A
16TS-POI6B	PRESS. INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA		A
16TS-POI7A	PRESS. INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA		A
16TS-POI7B	PRESS. INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA		A

PDS DIFFERENTIAL PRESSURE SWITCH

16TS-PDS16B	PRESS. SWITCH Dwyer	247.458	NA	RH	Y	N	S	NA		A
16TS-PDS17A	PRESS. SWITCH Dwyer	247.458	NA	RH	Y	N	S	NA		A
16TS-PDS17B	PRESS. SWITCH Dwyer	247.458	NA	RH	Y	N	S	NA		A
16TS-PDS26A	PRESS. SWITCH Dwyer	247.458	NA	RH	Y	N	S	NA		A
16TS-PDS26B	PRESS. SWITCH Dwyer	247.458	NA	RH	Y	N	S	NA		A
16TS-PDS6A	PRESSURE SWITCH Dwyer	247.458	NA	RH	Y	N	S	NA		A
16TS-PDS6B	PRESSURE SWITCH Dwyer	247.458	NA	RH	Y	N	S	NA		A
16TS-PDS7A	PRESSURE SWITCH Dwyer	247.458	NA	RH	Y	N	S	NA		A



JOB NAME R55 - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NCS5 SUPPLIER: GENERAL ELECTRIC

DOCNET NO. 50-458

EQUIP. ID	DESCRIPTION	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	NAT FREQ	RRS REF
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	MANUFACTURER											QUAL INST

SYSTEM 033 REACTOR WATER CLEAN-UP

BCP EQUIPMENT  
MOV MOTOR OPERATED VALVE

10331*MOV001	VALUE H.O. 6"-600 LB VELDN	228.212	RB	081	LH	Y	Y	S	HF	49	NA	Y
10331*MOV001	VALUE H.O. 6"-600 LB VELDN	228.212	DB	107	LH	Y	Y	S	HF	54	NA	Y
10331*MOV004	VALUE H.O. 6"-600 LB VELDN	228.212	AB	095	LH	Y	Y	S	HF	54	NA	Y
10331*MOV028	VALUE H.O. 4"-600 LB VELDN	228.212	CT	147	LH	Y	Y	S	HF	52	NA	Y
10331*MOV031	VALUE P.O. 4" VELDN	228.212	CT	141	LH	Y	Y				NA	Y
10331*MOV034	VALUE H.O. 4"-600 LB VELDN	228.212	AB	114	LH	Y	Y	S	HF	52	NA	Y
10331*MOV035	VALUE H.O. 4"-60 LB VELDN	228.212	AB	114	LH	Y	Y	S	HF	52	NA	Y
10331*MOV039	VALUE H.O. 6"-900 LB VELDN	228.212	AB	114	LH	Y	Y	S	HF	58	NA	Y
10331*MOV040	VALUE H.O. 6"-900 LB VELDN	228.212	CT	147	LH	Y	Y	S	HF	58	NA	Y
10331*MOV042	VALUE H.O. 6" VELDN	228.212	CT	147	LH	Y	Y	S	HF	53	NA	Y
10331*MOV044	VALUE H.O. 4"-600 LB VELDN	228.212	CT	147	LH	Y	Y	S	HF	52	NA	Y
10331*MOV046	VALUE H.O. 4"-60 LB VELDN	228.212	AB	114	LH	Y	Y	S	HF	52	NA	Y
10331*MOV053	VALUE H.O. 4"-600 LB VELDN	228.212	CT	147	LH	Y	Y	S	HF	44	NA	Y
10331*MOV054	VALUE H.O. 4"-600 LB VELDN	228.212	AB	147	LH	Y	Y	S	HF	44	NA	Y
10331*MOV100	VALUE H.O. 4"-60 LB VELDN	228.212	DB	081	LH	Y	Y	S	HF	52	NA	Y



JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
			BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---

SYSTEM HCS HYDROGEN RECOMBINER

BOP EQUIPMENT  
PHRS POWER SUPPLY

1HCS*PHRS1A	POWER CABINET WESTINGHOUSE	224.520	AB	141	CF	Y	N	N	MF	3		A
1HCS*PHRS1B	POWER CABINET WESTINGHOUSE	224.520	AB	141	CF	Y	N	N	MF	3		A

RBNR

1HCS*RBNR1A	HYDROGEN RECOMBINER WESTINGHOUSE	224.520	CT	186	CF	Y	Y	S	MF	11		B
1HCS*RBNR1B	HYDROGEN RECOMBINER WESTINGHOUSE	224.520	CT	186	CF	Y	Y	S	MF	11		B

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLVS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HDL

\*

BCP EQUIPMENT  
MOV MOTOR OPERATED VALVE

1HDL*MOV58A	VALVE H.O. 1"- VELAN	228.216	TB	067	LH	Y	N	S	HF		NA C
1HDL*MOV58B	VALVE H.O. 1"- VELAN	228.216	TB	067	LH	Y	N	S	HF		NA C
1HDL*MOV58C	VALVE H.O. 1"- VELAN	228.216	TB	067	LH	Y	N	S	HF		NA C

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---
			BLDG	ELEV	MTG	SEIS			

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SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

BCP EQUIPMENT  
ACU AIR CONDITIONING UNIT

1HVC*ACU1A	AIR COND. UNIT BUFFALO FORGE	216.200	CB	115	CF	Y	N	D	NA	11	6,7,8 A
1HVC*ACU1B	AIR COND. UNIT BUFFALO FORGE	216.200	CB	115	CF	Y	N	D	NA	11	6,7,8 A
1HVC*ACU2A	AIR COND. UNIT BUFFALO FORGE	216.200	CB	70	CF	Y	N	D	NA	10	6,7,8 A
1HVC*ACU2B	AIR COND. UNIT BUFFALO FORGE	216.200	CB	70	CF	Y	N	D	NA	10	6,7,8 A
1HVC*ACU3A	AIR COND. UNIT BUFFALO FORGE	216.200	CB	98	CF	Y	N	D	NA	32	6,7,8 A
1HVC*ACU3B	AIR COND. UNIT BUFFALO FORGE	216.200	CB	98	CF	Y	N	D	NA	32	6,7,8 A

AOD AIR OPERATED DAMPER

1HVC*AOD106	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115		Y	N	S	NA	39	A
1HVC*AOD107	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115		Y	N	S	NA	39	A
1HVC*AOD108	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115		Y	N	S	NA	39	A
1HVC*AOD12A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	70		Y	N	S	NA	39	A
1HVC*AOD12B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	70		Y	N	S	NA	39	A
1HVC*AOD148	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115		Y	N	S	NA	39	A
1HVC*AOD169	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115		Y	N	S	NA	39	A
1HVC*AOD170	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480				Y	N	S		39	A
1HVC*AOD171	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115		Y	N	S	NA	39	A



JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	EQUIPMENT		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

AOD AIR OPERATED DAMPER

1HVC*AOD173	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39		A
1HVC*AOD19A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39		A
1HVC*AOD19B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39		A
1HVC*AOD19C	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39		A
1HVC*AOD19D	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39		A
1HVC*AOD19E	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39		A
1HVC*AOD19F	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39		A
1HVC*AOD3A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39		A
1HVC*AOD3B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39		A
1HVC*AOD35A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39		A
1HVC*AOD35B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39		A
1HVC*AOD35C	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39		A
1HVC*AOD35D	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39		A
1HVC*AOD38A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	NA	39		A
1HVC*AOD38B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	NA	39		A
1HVC*AOD43A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	NA	39		A
1HVC*AOD43B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39		A

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---			-QUAL METH- TEST	-NAT FREQ- LOWEST	---RRS REF---	
			BLDG	ELEV	MTG	SEIS	HYDR			ANLYS	STATUS

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SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

AOD AIR OPERATED DAMPER

1HVC*AOD5A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	NA	39		A
1HVC*AOD5B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	NA	39		A
1HVC*AOD51A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	NA	39		Y
1HVC*AOD51B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	NA	39		Y
1HVC*AOD52A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	NA	39		Y
1HVC*AOD52B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	NA	39		Y
1HVC*AOD6A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39		A
1HVC*AOD6B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39		A
1HVC*AOD70A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39		A
1HVC*AOD70B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39		A
1HVC*AOD71A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39		A
1HVC*AOD71B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39		A
1HVC*AOD8A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39		A
1HVC*AOD8B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39		A
1HVC-AOD1	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	098	Y	NA	S	NA	53		A
1HVC-AOD10	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53		A
1HVC-AOD11	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53		A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	-----RRS REF-----
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---
	MANUFACTURER									QUAL INST

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SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

AOD AIR OPERATED DAMPER

1HVC-AOD12	AIR DHAPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD13	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD14	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD149	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD15	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD150	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD151	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD152	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD153	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD154	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD155	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD156	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD157	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD158	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD159	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD160	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD161	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---

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SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

AOD AIR OPERATED DAMPER

IHVC-AOD162	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53		A
IHVC-AOD163	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53		A
IHVC-AOD164	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53		A
IHVC-AOD165	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53		A
IHVC-AOD166	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53		A
IHVC-AOD167	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53		A
IHVC-AOD168	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53		A
IHVC-AOD2	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	098	Y	NA	S	NA	53		A
IHVC-AOD3	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	098	Y	NA	S	NA	53		A
IHVC-AOD4	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	098	Y	NA	S	NA	53		A
IHVC-AOD5	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	981	Y	NA	S	NA	53		A
IHVC-AOD6	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53		A
IHVC-AOD7	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53		A
IHVC-AOD8	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53		A
IHVC-AOD9	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53		A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	EQUIPMENT		LOCATION		LOADS		QUAL METH		NAT FREQ	RRS REF
	DESCRIPTION	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS
	MANUFACTURER									QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

CH COIL HEATER

1HVC*CH1A	ELECT. HEATING COIL BUFFALO FORGE	216.200	CB	115	EH	Y	N	D	NA		6,7,8 D
1HVC*CH1B	ELECT HEATING COIL BUFFALO FORGE	216.200	CB	115	EH	Y	N	D	NA		6,7,8 D
1HVC-CH3A	AIR REHEATER NUTHERM	216.130	CB	129		Y	NA	D	NA	88	A
1HVC-CH3B	AIR REHEATER NUTHERM	216.130	CB	129		Y	NA	D	NA	88	A
1HVC-CH3C	AIR REHEATER NUTHERM	216.130	CB	129		Y	NA	D	NA	88	A

DMP

1HVC*DMP 8	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB	70		Y	N	S	NA	50	A
1HVC*DMP10	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	CB	70		Y	N	S	NA	50	A
1HVC*DMP11	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	NA	50	A
1HVC*DMP12	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S		50	A
1HVC*DMP13	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	NA	50	A
1HVC*DMP14	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	NA	50	A
1HVC*DMP15	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	NA	50	A
1HVC*DMP16	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB			Y	N	S	NA	50	A
1HVC*DMP17	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB			Y	N	S	NA	50	A
1HVC*DMP18	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB	116		Y	N	S	NA	50	A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	EQUIPMENT----- SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---
			BLDG	ELEV MTG	SEIS	HYDR			

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SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DMP

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1HVC*DMP19	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	NA	50	A
1HVC*DMP2	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	NA	50	A
1HVC*DMP20	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480			Y	N	S		50	A
1HVC*DMP21	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	NA	50	A
1HVC*DMP22	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	NA	50	A
1HVC*DMP23	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480			Y	N	S		50	A
1HVC*DMP24	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	NA	50	A
1HVC*DMP25	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	NA	50	A
1HVC*DMP26	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	NA	50	A
1HVC*DMP27	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	NA	50	A
1HVC*DMP28	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	NA	50	A
1HVC*DMP29	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	NA	50	A
1HVC*DMP3	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	NA	50	A
1HVC*DMP30	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	NA	50	A
1HVC*DMP31	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP32	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP33	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLYS TEST	LOWEST	---STATUS---	QUAL INST

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SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DMP

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1HVC*DMP34	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.460			Y	N	S	NA	50	A
1HVC*DMP35	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP36	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP37	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP38	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP39	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP4A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP4B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP40	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP41	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP42	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP43	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP44	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP45	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP46	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP47	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP48	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---			---QUAL METH---	---NAT FREQ---	---RRS REF---
	DESCRIPTION	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---
	MANUFACTURER									QUAL INST

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SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DHP

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1HVC*DMP49	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP5A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP5B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP50	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP51	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP52	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP53	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP54	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP55	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP56	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP57	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP58	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP59	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP6	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP60	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP61	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP62	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A



JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	EQUIPMENT		LOCATION		LOADS		QUAL METH	NAT FREQ	RRS REF
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DMP

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1HVC*DMP63	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
JC*DMP64	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP65	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP66	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP67	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP68	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP69	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP7	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP70	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP71	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP72	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP73	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP74	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP75	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP76	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP77	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP78	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV NTG	SEIS	HYDR	ANLYS TEST	LOWEST	---STATUS---	QUAL INST
*****										
SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA										
DMP										*
1HVC*DMP79	BACHDRAFT DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP80	BACHDRAFT DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP81	BACHDRAFT DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP82	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP83	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP84	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP85	TORNADO DAMPERS QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP86	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP87	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP88	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP89	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP9	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP91	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP92	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP93	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP94	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP95	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A

JOB NAME RBS - UNIT 1  
UTILITY ULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	EQUIPMENT		LOCATION		LOADS		QUAL METH	NAT FREQ	RRS REF
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS TEST	LOWEST	STATUS QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DM

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1HVC*DHP96	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DHP97	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A

DMPF

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1HVC*DMPF1	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	MF/D	20	A
1HVC*DMPF10	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	MF/D	20	A
1HVC*DMPF*00	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	MF/D	20	A
1HVC*DMPF101	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	MF/D	20	A
1HVC*DMPF102	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	124	Y	N	S	MF/D	20	A
1HVC*DMPF103	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	MF/D	20	A
1HVC*DMPF104	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	124	Y	N	S	MF/D	20	A
1HVC*DMPF105	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	MF/D	20	A
1HVC*DMPF106	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	MF/D	20	A
1HVC*DMPF107	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	MF/D	20	A
1HVC*DMPF108	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	MF/D	20	A
1HVC*DMPF109	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	MF/D	20	A
1HVC*DMPF11	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	MF/D	20	A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	NAT FREQ- LOWEST	RRS REF- -STATUS- QUAL INST
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SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DMPF

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1HVC*DMPF110	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116		Y	N	S	HF/D	20	A
1HVC*DMPF111	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70		Y	N	S	HF/D	20	A
1HVC*DMPF112	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB			Y	N	S	HF/D	20	A
1HVC*DMPF113	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	135		Y	N	S	HF/D	20	A
1HVC*DMPF114	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	135		Y	N	S	HF/D	20	A
1HVC*DMPF115	EXHAUST AIR DAMPER QUALITY AIR DESIGN	215.480	CB	135		Y	N	S	HF/D	20	A
1HVC*DMPF116	EXHAUST AIR DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	HF/D	20	A
1HVC*DMPF117	EXHAUST AIR DAMPER QUALITY AIR DESIGN	215.480	CB	116		Y	N	S	HF/D	20	A
1HVC*DMPF118	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB			Y	N	S	HF/D	20	A
1HVC*DMPF119	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB			Y	N	S	HF/D	20	A
1HVC*DMPF12	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70		Y	N	S	HF/D	20	A
1HVC*DMPF13	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70		Y	N	S	HF/D	20	A
1HVC*DMPF14	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70		Y	N	S	HF/D	20	A
1HVC*DMPF15	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70		Y	N	S	HF/D	20	A
1HVC*DMPF16	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70		Y	N	S	HF/D	20	A
1HVC*DMPF17	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB			Y	N	S	HF/D	20	A
1HVC*DMPF18	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70		Y	N	S	HF/D	20	A

JOB NAME RBS - UNIT 1  
 UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
 MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
 NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR			ANLYS	TEST
	MANUFACTURER									QUAL INST

\*\*\*\*\*  
 SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DMPF

\*

1HVC*DMPF19	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20	A
1HVC*DMPF2	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DMPF20	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DMPF21	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DMPF22	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DMPF23	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DMPF24	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DMPF25	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DMPF26	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DMPF27	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DMPF28	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DMPF29	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DMPF3	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	39	A
1HVC*DMPF30	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20	A
1HVC*DMPF31	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20	A
1HVC*DMPF32	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20	A
1HVC*DMPF33	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20	A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	EQUIPMENT		LOCATION		LOADS		QUAL METH	NAT FREQ	RRS REF	
	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS TEST	LOWEST	STATUS
	MANUFACTURER									QUAL INST

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SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DMPF

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1HVC*DMPF34	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	HF/D 20	A
1HVC*DMPF35	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	HF/D 20	A
1HVC*DMPF36	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	HF/D 20	A
1HVC*DMPF37	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	HF/D 20	A
1HVC*DMPF38	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	HF/D 20	A
1HVC*DMPF39	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	HF/D 20	A
1HVC*DMPF4	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70		Y	N	S	HF/D 39	A
1HVC*DMPF40	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	HF/D 20	A
1HVC*DMPF41	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	HF/D 20	A
1HVC*DMPF42	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	HF/D 20	A
1HVC*DMPF43	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	HF/D 20	A
1HVC*DMPF44	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	HF/D 20	A
1HVC*DMPF45	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	HF/D 20	A
1HVC*DMPF46	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	HF/D 20	A
1HVC*DMPF47	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	HF/D 20	A
1HVC*DMPF48	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	HF/D 20	A
1HVC*DMPF49	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB			Y	N	S	HF/D 20	A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		QUAL METH-	NAT FREQ-	---RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLYS TEST	LOWEST	---STATUS---	QUAL INST

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SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING DR AREA

DMPF

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1HVC*DMPF5	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DMPF50	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20	A
1HVC*DMPF51	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20	A
1HVC*DMPF52	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20	A
1HVC*DMPF53	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20	A
1HVC*DMPF54	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20	A
1HVC*DMPF55	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20	A
1HVC*DMPF56	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20	A
1HVC*DMPF57	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20	A
1HVC*DMPF58	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	HF/D	20	A
1HVC*DMPF59	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	HF/D	20	A
1HVC*DMPF6	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	39	A
1HVC*DMPF60	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	HF/D	20	A
1HVC*DMPF61	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	HF/D	20	A
1HVC*DMPF62	FIRE DRAWER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	HF/D	20	A
1HVC*DMPF63	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	HF/D	20	A
1HVC*DMPF64	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	HF/D	20	A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	NAT FREQ- LOWEST	RRS REF- ---STATUS--- QUAL INST
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SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DMPF

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1HVC*DMPF65	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116		Y	N	S	HF/D	20	A
1HVC*DMPF66	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116		Y	N	S	HF/D	20	A
1HVC*DMPF67	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB			Y	N	S	HF/D	20	A
1HVC*DMPF68	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB			Y	N	S	HF/D	20	A
1HVC*DMPF69	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116		Y	N	S	HF/D	20	A
1HVC*DMPF7	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70		Y	N	S	HF/D	20	A
1HVC*DMPF70	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116		Y	N	S	HF/D	20	A
1HVC*DMPF71	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB			Y	N	S	HF/D	20	A
1HVC*DMPF72	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB			Y	N	S	HF/D	20	A
1HVC*DMPF73	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116		Y	N	S	HF/D	20	A
1HVC*DMPF74	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB			Y	N	S	HF/D	20	A
1HVC*DMPF75	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116		Y	N	S	HF/D	20	A
1HVC*DMPF76	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116		Y	N	S	HF/D	20	A
1HVC*DMPF77	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116		Y	N	S	HF/D	20	A
1HVC*DMPF78	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116		Y	N	S	HF/D	20	A
1HVC*DMPF79	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116		Y	N	S	HF/D	20	A
1HVC*DMPF8	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70		Y	N	S	HF/D	20	A



JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

\*\*\*\*\*  
SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DMPF

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1HVC*DMPF80	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	HF/D	20		A
1HVC*DMPF81	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20		A
1HVC*DMPF82	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20		A
1HVC*DMPF83	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	HF/D	20		A
1HVC*DMPF84	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	HF/D	20		A
1HVC*DMPF85	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S		20		A
1HVC*DMPF86	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	HF/D	20		A
1HVC*DMPF87	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	135	Y	N	S	HF/D	20		A
1HVC*DMPF88	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	135	Y	N	S	HF/D	20		A
1HVC*DMPF89	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20		A
1HVC*DMPF9	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20		A
1HVC*DMPF90	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20		A
1HVC*DMPF91	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20		A
1HVC*DMPF92	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	135	Y	N	S	HF/D	20		A
1HVC*DMPF93	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	135	Y	N	S	HF/D	20		A
1HVC*DMPF94	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20		A
1HVC*DMPF95	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20		A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---
	MANUFACTURER										QUAL INST

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SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DMPF

1HVC*DMPF96	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	MF/D	20		A
1HVC*DMPF97	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	MF/D	20		A
1HVC*DMPF98	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	MF/D	20		A
1HVC*DMPF99	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	MF/D	20		A

FE FLOW ELEMENT

1HVC*FE36A	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	MF		NA	Y
1HVC*FE36B	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	MF		NA	Y
1HVC*FE37A	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	MF		NA	Y
1HVC*FE37B	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	MF		NA	Y
1HVC*FE61A	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	MF		NA	Y
1HVC*FE61B	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	MF		NA	Y
1HVC*FE62A	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	MF		NA	Y
1HVC*FE62B	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	MF		NA	Y
1HVC*FE65A	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	MF		NA	Y
1HVC*FE65D	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	MF		NA	Y
1HVC*FE65C	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	MF		NA	Y

JOB NAME RDS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	EQUIPMENT		LOCATION			LOADS		QUAL METH	NAT FREQ	RRS REF	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS TEST	LOWEST	STATUS	QUAL I 1ST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

FE FLOW ELEMENT

1HVC*FE66A	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	HF		NA B Y
1HVC*FE66B	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	HF		NA B Y

FLT FILTER

1HVC*FLT2	AIR FILTER BUFFALO FORGE	216.200	CB	112	EM	Y	N	D	NA	13	6,7,8 A
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FLT-

1HVC*FLT-3A	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	CB	112	CF	Y	N	D	HF	22	B
1HVC*FLT-3B	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	CB	112	CF	Y	N	D	HF	22	B

FN FAN

1HVC*FN1A	AIR BLOWER BUFFALO FORGE	215.400	CB	115	CF	Y	N	S	NA	112	3 A
1HVC*FN1B	AIR BLOWER BUFFALO FORGE	215.400	CB	115	CF	Y	N	S	NA	112	3 A
1HVC*FN2A	RETURN AIR FAN BUFFALO FORGE	215.350	CB	81	CF	Y	N	S	NA	61	7 A
1HVC*FN2B	RETURN AIR FAN BUFFALO FORGE	215.350	CB	81	CF	Y	N	S	NA	61	7 A
1HVC*FN3A	EXHAUST AIR FANS BUFFALO FORGE	215.400	CB	128	CF	Y	N	S	NA	62	8 B
1HVC*FN3B	EXHAUST AIR FANS BUFFALO FORGE	215.400	CB	115	CF	Y	N	S	NA	62	8 B

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-450

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST
	MANUFACTURER										

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SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

FN FAN

1HVC*FN3C	EXHAUST AIR FANS BUFFALO FORGE	215.400	CB	116	CF	Y	N	S	NA	62	8 B
1HVC*FN3D	EXHAUST AIR FANS BUFFALO FORGE	215.400	CB	116	CF	Y	N	S	NA	62	8 B
1HVC*FN3E	EXHAUST AIR FANS BUFFALO FORGE	215.400	CB	116	CF	Y	N	S	NA	62	8 B
1HVC*FN3F	EXHAUST AIR FANS BUFFALO FORGE	215.400	CB	116	CF	Y	N	S	NA	62	8 B
1HVC*FN8A	DECAY HEAT FAN BUFFALO FORGE	215.400	CB	115	CF	Y	N	S	NA	112	8 B
1HVC*FN8B	DECAY HEAT FAN BUFFALO FORGE	215.400	CB	115	CF	Y	N	S	NA	112	8 B

FS FLOW SWITCH

1HVC*FS36A	FLOW SWITCH FCI	247.433	CB	70	LH	Y	N	NA	HF		NA B
1HVC*FS36B	FLOW SWITCH FCI	247.433	CB	70	LH	Y	N	NA	HF		NA B Y
1HVC*FS37A	FLOW SWITCH FCI	247.433	CB	70	LH	Y	N	NA	HF		NA B
1HVC*FS37B	FLOW SWITCH FCI	247.433	CB	70	LH	Y	N	NA	HF		NA B
1HVC*FS61A	FLOW SWITCH FCI	247.433	CB	115	LH	Y	N	NA	HF		NA B Y
1HVC*FS61B	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	HF		NA B Y
1HVC*FS62A	FLOW SWITCH FCI	247.433	CB	116	LH	Y	N	NA	HF		NA
1HVC*FS62B	FLOW SWITCH FCI	247.433	CB	116	LH	Y	N	NA	HF		NA B
1HVC*FS65A	FLOW SWITCH FCI	247.433	CB	116	LH	Y	N	NA	HF		NA B Y

JOB NAME RJS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	EQUIPMENT		LOCATION		LOADS		QUAL METH		NAT FREQ	RRS REF	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

FS FLOW SWITCH

1HVC*FS65B	FLOW SWITCH FCI	247.433	CB	116	LH	Y	N	NA	HF		NA B Y
1HVC*FS65C	FLOW SWITCH FCI	247.433	CB	116	LH	Y	N	NA	HF		NA B
1HVC*FS66A	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	HF		NA B Y
1HVC*FS66B	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	HF		NA B Y

MOD MOTOR OPERATED DAMPER

1HVC*MOD7A	MOTOR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB			Y	N	S	NA	122	A
1HVC*MOD7B	MOTOR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB			Y	N	S	NA	122	A
1HVC-MOD138	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	098		Y	NA	S	NA	53	A

MOV MOTOR OPERATED VALVE

1HVC*MOV1A	24"-150# BUTTERFLY POSI SEAL	228.241	CB	115	LH	Y	N	D	NA	48	NA A
1HVC*MOV1B	24"-150# BUTTERFLY POSI SEAL	228.241	CB	115	LH	Y	N	D	NA	48	NA A

PDI

1HVC-PDI11A	PRESS INDICATOR DHYER	247.458	NA		RM	Y	N	S	NA		A
1HVC-PDI11B	PRESS INDICATOR DHYER	247.458	NA		RM	Y	N	S	NA		A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---

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SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

PDI

1HVC-PDI116	PRESS. INDICATOR DHYER	247.458	NA	RM	Y	N	S	NA				A
1HVC-PDI147	PRESS. INDICATOR DHYER	247.458	NA	RM	Y	N	S	NA				A
1HVC-PDI2A	PRESS INDICATOR DHYER	247.458	NA	RM	Y	N	S	NA				A
1HVC-PDI2B	PRESS INDICATOR DHYER	247.458	NA	RM	Y	N	S	NA				A
1HVC-PDI21A	PRESS INDICATOR DHYER	247.458	NA	RM	Y	N	S	NA				A
1HVC-PDI21B	PRESS INDICATOR DHYER	247.458	NA	RM	Y	N	S	NA				A
1HVC-PDI22A	PRESS INDICATOR DHYER	247.458	NA	RM	Y	N	S	NA				A
1HVC-PDI22B	PRESS INDICATOR DHYER	247.458	NA	RM	Y	N	S	NA				A
1HVC-PDI23A	PRESS INDICATOR DHYER	247.458	NA	RM	Y	N	S	NA				A
1HVC-PDI23B	PRESS INDICATOR DHYER	247.458	NA	RM	Y	N	S	NA				A
1HVC-PDI26A	PRESS INDICATOR DHYER	247.458	NA	RM	Y	N	S	NA				A
1HVC-PDI26B	PRESS INDICATOR DHYER	247.458	NA	RM	Y	N	S	NA				A
1HVC-PDI46A	PRESS. INDICATOR DHYER	247.458	NA	RM	Y	N	S	NA				A
1HVC-PDI46B	PRESS. INDICATOR DHYER	247.458	NA	RM	Y	N	S	NA				A
1HVC-PDI48A	PRESS. INDICATOR DHYER	247.458	NA	RM	Y	N	S	NA				A
1HVC-PDI48B	PRESS. INDICATOR DHYER	247.458	NA	RM	Y	N	S	NA				A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	
*****											
SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA											
PDS DIFFERENTIAL PRESSURE SWITCH											
1HVC-PDS11A	PRESS. SWITCH DHYER	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDS11B	PRESS. SWITCH DHYER	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDS116	PRESS. SWITCH DHYER	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDS147	PRESS. SWITCH DHYER	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDS0CA	PRESS. SWITCH DHYER	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDS0CB	PRESS. SWITCH DHYER	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDS021A	PRESS. SWITCH DHYER	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDS021B	PRESS. SWITCH DHYER	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDS020A	PRESS. SWITCH DHYER	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDS020B	PRESS. SWITCH DHYER	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDS023A	PRESS. SWITCH DHYER	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDS023B	PRESS. SWITCH DHYER	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDS026A	PRESS. SWITCH DHYER	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDS026B	PRESS. SWITCH DHYER	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDS046A	PRESS. SWITCH DHYER	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDS046B	PRESS. SWITCH DHYER	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDS048A	PRESS. SWITCH DHYER	247.458	NA	RH	Y	N	S	NA			A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST
	MANUFACTURER										

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SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

POS DIFFERENTIAL PRESSURE SWITCH

1HVC-POS48B	PRESS. SWITCH Dwyer	247.458	NA		RH	Y	N	S	NA		A
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PNL PANEL

1HVC-PNL13A	CONTROL PANEL BUFFALO FORGE	216.200	CB	98		Y	N	D	NA	12	6,7,8 A
1HVC-PNL13B	CONTROL PANEL BUFFALO FORGE	216.200	CB	98		Y	N	D	NA	12	6,7,8 A

RTD RESISTANCE TEMPERATURE RECORDER

1HVC-RTD41A	THERMOCOUPLES RTD PYCO	247.461	CB	116		Y	N	NA	HF		C
1HVC-RTD41B	THERMOCOUPLES RTD PYCO	247.461	CB	116		Y	N	NA	HF		C
1HVC-RTD44A	THERMOCOUPLES RTD PYCO	247.461	CB	70		Y	N	NA	HF		C
1HVC-RTD44B	THERMOCOUPLES RTD PYCO	247.461	CB	70		Y	N	NA	HF		C
1HVC-RTD58A	THERMOCOUPLES RTD PYCO	247.461	CB	98		Y	N	NA	HF		C
1HVC-RTD58B	THERMOCOUPLES RTD PYCO	247.461	CB	98		Y	N	NA	HF		C



JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-450

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---		
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST
*****												
SYSTEM HVF VENTILATION - FUEL BUILDING												
BOP EQUIPMENT												
A00 AIR OPERATED DAMPER												
1HVF#A00101	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39		A	
1HVF#A00102	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39		A	
1HVF#A00104	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39		A	Y
1HVF#A00112	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39		A	Y
1HVF#A00122	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39		A	
1HVF#A00137	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39		A	
1HVF#A0020A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39		A	
1HVF#A0020B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39		A	
1HVF#A003A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39		A	
1HVF#A003B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39		A	
1HVF#A0031A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39		A	
1HVF#A0031B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39		A	
1HVF#A0033A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39		A	
1HVF#A0033B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39		A	
1HVF#A0037A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39		A	
1HVF#A0037B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39		A	

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	NAT FREQ- LOWEST	RRS REF- ---STATUS---
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SYSTEM HVF VENTILATION - FUEL BUILDING

CH COIL HEATER

IHVf-CH1	DUCT HEATERS INDEECO	216.130	FB	113		Y	NA	D	NA	15	A
DMP	*										
IHVf*DMP1	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A
IHVf*DMP12	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A
IHVf*DMP13	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A
IHVf*DMP14	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A
IHVf*DMP15	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A
IHVf*DMP16	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A
IHVf*DMP17	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A
IHVf*DMP18A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A
IHVf*DMP18B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A
IHVf*DMP18C	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A
IHVf*DMP18D	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A
IHVf*DMP18E	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A
IHVf*DMP19	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A
IHVf*DMP2	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-459

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

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SYSTEM HVF VENTILATION - FUEL BUILDING

DHP

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1HVF*DHP20	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DHP21	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DHP22	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DHP3	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DHP4A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DHP4B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DHP5A	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DHP5B	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DHP6	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DHP7	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DHP8	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DHP9A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DHP9B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A

DMPF

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1HVF*DMPF1	FIRE DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	MF/D	20		A
1HVF*DMPF10	FIRE DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	MF/D	20		A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---

SYSTEM HVF VENTILATION - FUEL BUILDING

DHPF

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1HVF*DHPF11	215.480 QUALITY AIR DESIGN	215.480	FB	148		Y	N	S	HF/D	20		A
1HVF*DHPF12	FIRE DAMPER QUALITY AIR DESIGN	215.480	FB	148		Y	N	S	HF/D	20		A
1HVF*DHPF13	FIRE DAMPER QUALITY AIR DESIGN	215.480	FB	148		Y	N	S	HF/D	20		A
1HVF*DHPF14	FIRE DAMPER QUALITY AIR DESIGN	215.480	FB	148		Y	N	S	HF/D	20		A
1HVF*DHPF15	FIRE DAMPER QUALITY AIR DESIGN	215.480	FB	148		Y	N	S	HF/D	20		A
1HVF*DHPF16	FIRE DAMPER QUALITY AIR DESIGN	215.480	FB	148		Y	N	S	HF/D	20		A
1HVF*DHPF17	FIRE DAMPER QUALITY AIR DESIGN	215.480	FB	70		Y	N	S	HF/D	20		A
1HVF*DHPF18	FIRE DAMPER QUALITY AIR DESIGN	215.480	FB	70		Y	N	S	HF/D	20		A
1HVF*DHPF2	FIRE DAMPER QUALITY AIR DESIGN	215.480	FB	148		Y	N	S	HF/D	20		A
1HVF*DHPF3	FIRE DAMPER QUALITY AIR DESIGN	215.480	FB	148		Y	N	S	HF/D	20		A
1HVF*DHPF4	FIRE DAMPER QUALITY AIR DESIGN	215.480	FB	148		Y	N	S	HF/D	20		A
1HVF*DHPF5	FIRE DAMPER QUALITY AIR DESIGN	215.480	FB	148		Y	N	S	HF/D	20		A
1HVF*DHPF6	FIRE DAMPER QUALITY AIR DESIGN	215.480	FB	148		Y	N	S	HF/D	20		A
1HVF*DHPF7	FIRE DAMPER QUALITY AIR DESIGN	215.480	FB	148		Y	N	S	HF/D	20		A
1HVF*DHPF8	FIRE DAMPER QUALITY AIR DESIGN	215.480	FB	148		Y	N	S	HF/D	20		A
1HVF*DHPF9	FIRE DAMPER QUALITY AIR DESIGN	215.480	FB	148		Y	N	S	HF/D	20		A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---
	MANUFACTURER									QUAL	INST

SYSTEM HVF VENTILATION - FUEL BUILDING

FE FLOW ELEMENT

1HVF*FE109	FLOW SWITCH FCI	247.433	FB	148	LH	Y	N	NA	HF		NA B
1HVF*FE32A	FLOW SWITCH FCI	247.433	FB	148	LH	Y	N	NA	HF		NA B
1HVF*FE32B	FLOW SWITCH FCI	247.433	FB	148	LH	Y	N	NA	HF		NA B

FLT-

1HVF*FLT-2A	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	FB	150	CF	Y	N	D	HF	20	B
1HVF*FLT-2B	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	FB	150	CF	Y	N	D	HF	20	B

FN FAN

1HVF*FN3A	EXHAUST BLOWERS BUFFALO FORGE	215.400	FB	148	CF	Y	N	S	NA	31	B 19
1HVF*FN3B	EXHAUST BLOWERS BUFFALO FORGE	215.400	FB	148	CF	Y	N	S	NA	31	B 19
1HVF*FN7A	DECAY HEAT FANS BUFFALO FORGE	215.400	FB	148	CF	Y	N	S	NA	112	B 19
1HVF*FN7B	DECAY HEAT FANS BUFFALO FORGE	215.400	FB	148	CF	Y	N	S	NA	112	B 19

FS FLOW SWITCH

1HVF*FS109	FLOW SWITCH FCI	247.433	FB	148	LH	Y	N	NA	HF		NA B
1HVF*FS32A	FLOW SWITCH FCI	247.433	FB	148	LH	Y	N	NA	HF		NA B

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		---RRS REF---	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	---
	MANUFACTURER										QUAL	INST

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SYSTEM HVF VENTILATION - FUEL BUILDING

FS FLOW SWITCH

1HVF*FS32B	FLOW SWITCH FCI	247.433	FB	148	LM	Y	N	NA	HF		NA B
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PDI

			*								
1HVF-PDI22A	PRESS. INDICATOR DNYER	247.458	NA		RH	Y	N	S	NA		A
1HVF-PDI22B	PRESS. INDICATOR DNYER	247.458	NA		RH	Y	N	S	NA		A
1HVF-PDI24A	PRESS. INDICATOR DNYER	247.458	NA		RH	Y	N	S	NA		A
1HVF-PDI24B	PRESS. INDICATOR DNYER	247.458	NA		RH	Y	N	S	NA		A
1HVF-PDI25A	PRESS. INDICATOR DNYER	247.458	NA		RH	Y	N	S	NA		A
1HVF-PDI25B	PRESS. INDICATOR DNYER	247.458	NA		RH	Y	N	S	NA		A
1HVF-PDI26A	PRESS. INDICATOR DNYER	247.458	NA		RH	Y	N	S	NA		A
1HVF-PDI26B	PRESS. INDICATOR DNYER	247.458	NA		RH	Y	N	S	NA		A
1HVF-PDI29A	PRESS. INDICATOR DNYER	247.458	NA		RH	Y	N	S	NA		A
1HVF-PDI29B	PRESS. INDICATOR DNYER	247.458	NA		RH	Y	N	S	NA		A
1HVF-PDI4A	PRESS. INDICATOR DNYER	247.458	NA		RH	Y	N	S	NA		A
1HVF-PDI4B	PRESS. INDICATOR DNYER	247.458	NA		RH	Y	N	S	NA		A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---
										QUAL	INST

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SYSTEM HVF VENTILATION - FUEL BUILDING

PDS DIFFERENTIAL PRESSURE SWITCH

1HVF-PDS22A	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVF-PDS22B	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVF-PDS24A	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVF-PDS24B	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVF-PDS25A	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVF-PDS25B	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVF-PDS26A	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVF-PDS26B	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVF-PDS29A	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVF-PDS29B	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A

PT PRESSURE TRANSMITTER

1HVF-PT36A	PRESS TRANSMITT ROSEMOUNT	247.481	FB	148	RM	Y	N	N	HF			C
1HVF-PT36B	PRESS TRANSMITT ROSEMOUNT	247.481	FB	149	RM	Y	N	NA	HF			B Y

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	-----EQUIPMENT----- SPEC NO.	---LOCATION---	---LOADS---	-QUAL METH-	-NAT FREQ-	---RRS REF---
			BLDG ELEV MTG	SEIS HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST

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SYSTEM HVF VENTILATION - FUEL BUILDING

RTD RESISTANCE TEMPERATURE RECORDER

1HVF*RTD1A	THERMOCOUPLES RTD PYCO	247.461	FB 148	Y N	NA HF		C
1HVF*RTD1B	THERMOCOUPLES RTD PYCO	247.461	FB 148	Y N	NA HF		C
1HVF*RTD30A	THERMOCOUPLES RTD PYCO	247.461	FB 148	Y N	NA HF		C
1HVF*RTD30B	THERMOCOUPLES RTD PYCO	247.461	FB 148	Y N	NA HF		C



JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	EQUIPMENT		LOCATION			LOADS		QUAL METH	NAT FREQ	RRS REF	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLVS TEST	LOWEST	STATUS	QUAL INST

\*\*\*\*\*  
SYSTEM HVK CHILLED WATER - CONTROL BUILDIG OR AREA

BOP EQUIPMENT  
CHL LIQUID CHILLER

IHKV*CHL1A	LIQUID CHILLERS CARRIER CORP.	216.210	CB	98	CF	Y	N	S	NA	24	7 A
IHKV*CHL1B	LIQUID CHILLERS CARRIER CORP.	216.210	CB	98	CF	Y	N	S	NA	24	7 A
IHKV*CHL1C	LIQUID CHILLERS CARRIER CORP.	216.210	CB	98	CF	Y	N	S	NA	24	7 A
IHKV*CHL1D	LIQUID CHILLERS CARRIER CORP.	216.210	CB	98	CF	Y	N	S	NA	24	7 A

FTX

IHKV*FTX5A	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	MF		B Y
IHKV*FTX5B	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	MF		B Y
IHKV*FTX5C	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	MF		B Y
IHKV*FTX5D	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	MF		B Y

FTY

IHKV*FTY5A	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	MF		B Y
IHKV*FTY5B	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	MF		B Y
IHKV*FTY5C	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	MF		B Y
IHKV*FTY5D	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	MF		B Y

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

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SYSTEM HVK CHILLED WATER - CONTROL BUILDIG OR AREA

LT LEVEL TRANSMITTER

1HVK*LT1A	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	HF		B	Y
1HVK*LT1B	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	HF		B	Y

MOV MOTOR OPERATED VALVE

1HVK*MOV10A	VALVE H.O. 2"-1500 LB VELAN	228.214	CR	098	LH	Y	N	S	HF	78	NA	B
1HVK*MOV10B	VALVE H.O. 2"-1500 LB VELAN	228.214	CR	098	LH	Y	N	S	HF	78	NA	B
1HVK*MOV11A	VALVE H.O. 2"-1500 LB VELAN	228.214	CR	098	LH	Y	N	S	HF	78	NA	B
1HVK*MOV11B	VALVE H.O. 2"-1500 LB VELAN	228.214	CR	098	LH	Y	N	S	HF	78	NA	B
1HVK*MOV20A	6"-150# BUTTERFLY JAMESBURY	228.243	CB	98	LH	Y	N	D	NA	58	NA	A
1HVK*MOV20B	6"-150# BUTTERFLY JAMESBURY	228.243	CB	98	LH	Y	N	D	NA	58	NA	A
1HVK*MOV20C	6"-150# BUTTERFLY JAMESBURY	228.243	CB	98	LH	Y	N	D	NA	58	NA	A
1HVK*MOV20D	6"-150# BUTTERFLY JAMESBURY	228.243	CB	98	LH	Y	N	D	NA	58	NA	A

P PUMP

1HVK*P1A	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	N	S	NA	41	2,7	A	Y
1HVK*P1B	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	N	S	NA	41	2,7	A	Y
1HVK*P1C	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	N	S	NA	41	2,7	A	Y

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-459

EQUIP. ID	EQUIPMENT		SPEC NO.	LOCATION		LOADS		QUAL METH		NAT FREQ	RRS REF	
	DESCRIPTION	MANUFACTURER		BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS

SYSTEM HVK CHILLED WATER - CONTROL BUILDIG OR AREA

P PUMP

1HVK*P1D	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	N	S	NA	41	2,7 A	Y
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PDCV

1HVK*PDCV25A	2"-150# GLOBE FISHER CONTROLS	247.491	CB	070	LM	Y	N				NA D	
1HVK*PDCV25B	2"-150# GLOBE FISHER CONTROLS	247.491	CB	070	LM	Y	N				NA D	

PDI

1HVK-PDI38A	DIFF. PRESS. INDICAT. ITT-BARTON	247.457	CB	98	DW	Y	N	N	HF		A	
1HVK-PDI38B	DIFF. PRESS. INDICAT. ITT-BARTON	247.457	CB	98	DW	Y	N	A	HF		A	
1HVK-PDI38C	DIFF. PRESS. INDICAT. ITT-BARTON	247.457	CB	98	DW	Y	N	N	HF		A	
1HVK-PDI38D	DIFF. PRESS. INDICAT. ITT-BARTON	247.457	CB	98	DW	Y	N	N	HF		A	

PI PRESSURE INDICATOR

1HVK-PI31A	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LM	Y	NA	N	SF	7	A	
1HVK-PI31B	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LM	Y	NA	N	SF	7	A	
1HVK-PI7A	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LM	Y	NA	N	SF	7	A	
1HVK-PI7B	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LM	Y	NA	N	SF	7	A	

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
			BLOG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---

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SYSTEM HVK CHILLED WATER - CONTROL BUILDIG OR AREA

PI PRESSURE INDICATOR

1HVK-PI8A	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LH	Y	NA	N	SF	7		A
1HVK-PI8B	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LH	Y	NA	N	SF	7		A
1HVK-PI8C	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LH	Y	NA	N	SF	7		A
1HVK-PI8D	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LH	Y	NA	N	SF	7		A

RV

1HVK*RV45A	RELIEF VALVES CROSBY	247.521	CB	98	LH	Y	N	S	SO	165		NA B
1HVK*RV45B	RELIEF VALVES CROSBY	247.521	CB	98	LH	Y	N	S	SO	165		NA B

TV TEMPERATURE VALVE

1HVK*TV16A	3"-150# GLOBE COPEL VULCAN	247.497	CB	115	LH	Y	N	S	NA	91		NA
1HVK*TV16B	3"-16B GLOBE COPEL VULCAN	247.497	CB	115	LH	Y	N	S	NA	91		NA B
1HVK*TV17A	3"-150# GLOBE COPEL VULCAN	247.497	CB	070	LH	Y	N	S	NA	91		NA B
1HVK*TV17B	3"-150# GLOBE COPEL VULCAN	247.497	CB	070	LH	Y	N	S	NA	91		NA B
1HVK*TV18A	1 1/2"-150# GLOBE COPEL VULCAN	247.497	CB	098	LH	Y	N	S	NA	91		NA B
1HVK*TV18B	1 1/2"-150# GLOBE COPEL VULCAN	247.497	CB	098	LH	Y	N	S	NA	91		NA B

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS TEST	LOWEST	---STATUS---	QUAL INST

\*\*\*\*\*  
SYSTEM HVK CHILLED WATER - CONTROL BUILDIG OR AREA

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS TEST	LOWEST	---STATUS---	QUAL INST
TH										
										*
1HVK*TW13A	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	MF		C
1HVK*TW13B	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	MF		C
1HVK*TW13C	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	MF		C
1HVK*TW13D	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	MF		C
1HVK*TW21A	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	MF		C
1HVK*TW21B	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	MF		C
1HVK*TW22A	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	MF		C
1HVK*TW22B	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	MF		C
1HVK*TW23A	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	MF		C
1HVK*TW23B	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	MF		C
1HVK*TW27A	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	MF		C
1HVK*TW27B	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	MF		C
1HVK*TW28A	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	MF		C
1HVK*TW28B	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	MF		C
1HVK*TW29A	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	MF		C
1HVK*TW29B	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	MF		C
1HVK*TW30A	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	MF		C

06/30/84

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST
*****											

SYSTEM HVK CHILLED WATER - CONTROL BUILDIG OR AREA

TH

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1HVK*TW30B	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	MF			C
1HVK*TW9A	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	MF			C
1HVK*TW9B	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	MF			C

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	-----RRS REF----	
	DESCRIPTION	MANUFACTURER	SPEC NO.	BLDG ELEV MTG	SEIS HYDR	ANLYS TEST	LOWEST	---	---	---	---

SYSTEM HVN CHILLED WATER - VENTILATION

BOP EQUIPMENT  
MOV MOTOR OPERATED VALVE

IHVN*MOV102	VALVE H.O. 8"-600 LB VELAN	228.212	CT	141 LM	Y	Y	S	MF	49	NA	B	Y
IHVN*MOV127	VALVE H.O. 8"-600 LB VELAN	228.212	CT	141 LM	Y	Y	S	MF	49	NA	B	Y
IHVN*MOV128	VALVE H.O. 8"-600 LB VELAN	228.212	CT	141 LM	Y	Y	S	MF	49	NA	B	Y
IHVN*MOV129	VALVE H.O. 8"-600 LB VELAN	228.212	CT	141 LM	Y	Y	S	MF	49	NA	B	Y
IHVN*MOV130	VALVE H.O. 8"-600 LB VELAN	228.212	AB	141 LM	Y	Y	S	MF	49	NA	B	Y
IHVN*MOV22A	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162 LM	Y	Y	S	MF	54	NA	B	Y
IHVN*MOV22B	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162 LM	Y	Y	S	MF	54	NA	B	Y

RV

IHVN*RV196	RELIEF VALVES CROSSBY	247.521	RB	145 LM	Y	Y	S	SO	157	NA	B	
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TV TEMPERATURE VALVE

IHVN*TV5A	4"-150# GLOBE FISHER CONTROLS	247.491	CT	LH	Y	Y				NA	D	Y
IHVN*TV5B	4"-150# GLOBE FISHER CONTROLS	247.491	CT	LH	Y	Y				NA	D	Y

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST
*****											

SYSTEM HVN CHILLED WATER - VENTILATION

TH \*

1HVN*TH1A	THERMOCOUPLES RTD PYCO	247.461		164	Y	N	NA	MF			C
1HVN*TH1B	THERMOCOUPLES RTD PYCO	247.461		164	Y	Y	NA	MF			C



JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-450

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLOG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HVP VENTILATION - DIESEL GENERATOR BUILDING

BOP EQUIPMENT  
ADD AIR OPERATED DAMPER

1HVP*ADD11A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	DG	126	Y	N	S	NA	39		Y
1HVP*ADD11B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	DG	126	Y	N	S	NA	39	A	Y
1HVP*ADD11C	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	DG	126	Y	N	S	NA	39	A	Y

DMP

1HVP*DMP10A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	
1HVP*DMP10B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	
1HVP*DMP11A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	
1HVP*DMP4	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	
1HVP*DMP5	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	
1HVP*DMP6	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	
1HVP*DMP7A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	
1HVP*DMP7B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	
1HVP*DMP8	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	
1HVP*DMP9A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	
1HVP*DMP9B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	
1HVP*DMP9C	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. E3-458

EQUIP. ID	EQUIPMENT		LOCATION		LOADS		QUAL METH	NAT FREQ	RRS REF
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST

SYSTEM HVP VENTILATION - DIESEL GENERATOR BUILDING

DMPF

1HVP&DMPF6	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S		20	A
1HVP&DMPF1	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	MF/D	20	A
1HVP&DMPF10	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	MF/D	20	A
1HVP&DMPF11	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	MF/D	20	A
1HVP&DMPF12	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	MF/D	20	A
1HVP&DMPF13	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	MF/D	20	A
1HVP&DMPF14	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	MF/D	20	A
1HVP&DMPF2	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	MF/D	20	A
1HVP&DMPF3	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	MF/D	20	A
1HVP&DMPF4	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	MF/D	20	A
1HVP&DMPF4A	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	MF/D	20	A
1HVP&DMPF4B	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	MF/D	20	A
1HVP&DMPF4C	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	MF/D	20	A
1HVP&DMPF5	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	MF/D	20	A
1HVP&DMPF5A	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	MF/D	20	A
1HVP&DMPF5B	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	MF/D	20	A
1HVP&DMPF5C	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	MF/D	20	A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---
										QUAL	INST

SYSTEM HVP VENTILATION - DIESEL GENERATOR BUILDING

DHPF

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1HVP*DHPF7	FIRE DAMPER QUALITY AIR DESIGN	215.480	0G			Y	N	S	MF/D	20	
1HVP*DHPF8	FIRE DAMPER QUALITY AIR DESIGN	215.480	0G			Y	N	S	MF/D	20	A
1HVP*DHPF9	FIRE DAMPER QUALITY AIR DESIGN	215.480	0G			Y	N	S	MF/D	20	A

FN FAN

1HVP*FN2A	EXHAUST FAN BUFFALO FORGE	215.350	0G	117	DW	Y	N	S	NA	38	
1HVP*FN2B	EXHAUST FAN BUFFALO FORGE	215.350	0G	117	DW	Y	N	S	NA	38	D 14
1HVP*FN3A	EXHAUST FAN BUFFALO FORGE	215.350	0G	117	DW	Y	N	S	NA	38	B 14
1HVP*FN3B	EXHAUST FAN BUFFALO FORGE	215.350	0G	117	DW	Y	N	S	NA	38	B 14
1HVP*FN6A	SUPPLY AIR BLOWER BUFFALO FORGE	215.400	0G	198	CF	Y	N	S	NA	37	B 14
1HVP*FN6B	SUPPLY AIR BLOWER BUFFALO FORGE	215.400	0G	198	CF	Y	N	S	NA	37	A 14
1HVP*FN6C	SUPPLY AIR BLOWER BUFFALO FORGE	215.400	0G	98	CF	Y	N	S	NA	37	A 14

FDI

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1HVP-PD117A	PRESS. INDICATOR DHYER	247.458	NA			Y	N	S	NA		
1HVP-PD117B	PRESS. INDICATOR DHYER	247.458	NA			Y	N	S	NA		A
1HVP-PD117C	PRESS. INDICATOR DHYER	247.458	NA			Y	N	S	NA		A

JOB NAME PDS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	EQUIPMENT		LOCATION		LOADS		QUAL METH	NAT FREQ	RRS REF	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS TEST	LOWEST	STATUS	QUAL INST

SYSTEM HVP VENTILATION - DIESEL GENERATOR BUILDING

PDS DIFFERENTIAL PRESSURE SWITCH

1HVP-PDS17A	PRESS. SWITCH Dwyer	247.458	NA	RM	Y	N	S	NA		A
1HVP-PDS17B	PRESS. SWITCH Dwyer	247.458	NA	RM	Y	N	S	NA		A
1HVP-PDS17C	PRESS. SWITCH Dwyer	247.458	NA	RM	Y	N	S	NA		A

PNL PANEL

1HVP*PNL12A	CONTROL BOARDS ELECTRO MECHANICS	242.444	DG	98	Y	N			LATER	D
1HVP*PNL12C	CONTROL BOARDS ELECTRO MECHANICS	242.444	DG	98	Y	N	NA	MF	LATER	13 C Y

RTD RESISTANCE TEMPERATURE RECORDER

1HVP*RTD10A	THERMOCOUPLES RTD PYCO	247.461	DG	98	Y	N	NA	MF		C
1HVP*RTD10B	THERMOCOUPLES RTD PYCO	247.461	DG	98	Y	N	NA	MF		C
1HVP*RTD10C	THERMOCOUPLES RTD PYCO	247.461	DG	98	Y	N	NA	MF		C
1HVP*RTD8A	THERMOCOUPLES RTD PYCO	247.461	DG	98	Y	N	NA	MF		C Y
1HVP*RTD8B	THERMOCOUPLES RTD PYCO	247.461	DG	98	Y	N	NA	MF		C
1HVP*RTD8C	THERMOCOUPLES RTD PYCO	247.461	DG	98	Y	N	NA	MF		C

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NCS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 59-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LWEST	---RRS REF---	
			BLOG	ELEV MTG	SEIS	HYDR			---STATUS---	QUAL INST

SYSTEM HVR VENTILATION - REACTOR PLANT

BOP EQUIPMENT  
ADD AIR OPERATED DAMPER

1HVR*ADD10A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39		Y
1HVR*ADD10B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR*ADD142	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR*ADD143	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR*ADD161	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR*ADD162	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR*ADD164	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR*ADD18A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR*ADD18B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR*ADD214	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR*ADD22A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR*ADD22B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR*ADD23A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR*ADD23B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR*ADD245	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR*ADD249	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR*ADD261	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y

JOB NAME PDS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	EQUIPMENT		LOCATION		LOADS		QUAL METH	NAT FREQ	RRS REF	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS TEST	LOWEST	STATUS	QUAL INST

SYSTEM HVR VENTILATION - REACTOR PLANT

BOP EQUIPMENT  
AOD AIR OPERATED DAMPER

1HVR*AOD262	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR*AOD263	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR*AOD264	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR*AOD51A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			T	B	S	NA	38	A	Y
1HVR*AOD51B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR*AOD53A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR*AOD53B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR-AOD124	AIR DAMPER QUALITY AIR DESIGN	215.490	CT	169	Y	Y	S	NA	53	A	
1HVR-AOD127	AIR DAMPER QUALITY AIR DESIGN	215.490	CT	156	Y	Y	S	NA	53	A	
1HVR-AOD68A	AIR DAMPER QUALITY AIR DESIGN	215.490	AB	141	Y	NA	S	NA	53	A	
1HVR-AOD68B	AIR DAMPER QUALITY AIR DESIGN	215.490	AB	141	Y	NA	S	NA	53	A	

ADV AIR OPERATED VALVE

1HVR*ADV123	36"-150# BUTTERFLY POSI SEAL	228.241	CT	LH	Y	Y	D	NA	37	NA B	Y
1HVR*ADV125	24"-150# BUTTERFLY POSI SEAL	228.241	CT	LH	Y	Y	D	NA	72	NA B	Y
1HVR*ADV126	24"-150# BUTTERFLY POSI SEAL	228.241	CT	LH	Y	Y	D	NA	83	NA B	Y
1HVR*ADV128	36"-150# BUTTERFLY POSI SEAL	228.241	CT	LH	Y	Y	D	NA	60	NA B	Y

JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCNET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---			-QUAL HETH-	-NAT FREQ-	----RRS REF----		
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	
*****											QUAL	INST
SYSTEM HVR VENTILATION - REACTOR PLANT												
ADV AIR OPERATED VALVE												
IHVR*ADV147	24"-150# BUTTERFLY POSI SEAL	228.241	CT	LH	Y	Y	D	NA	72	NA	Y	
IHVR*ADV148	24"-150# BUTTERFLY POSI SEAL	228.241	CT	LH	Y	Y	D	NA	83	NA	Y	
IHVR*ADV165	36"-150# BUTTERFLY POSI SEAL	228.241	AB	141	LH	Y	Y	D	41	NA	Y	
IHVR*ADV166	36"-150# BUTTERFLY POSI SEAL	228.241	AB	141	LH	Y	Y	D	41	NA	Y	
CH COIL HEATER												
IHVR-CH1	DUCT HEATERS NUTHERN	216.130	AB	141	Y	NA	D	NA	17		A	
IHVR-CH2	DUCT HEATERS INDEECO	216.130	AB	141	Y	NA	D	NA	15		A	
DHP *												
IHVR*DHP1	MAN. BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480			Y	Y	S	NA	39		A	
IHVR*DHP100	ISOLATION DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	100		B	
IHVR*DHP101	ISOLATION DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	100		B	
IHVR*DHP11	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AN	98	Y	Y	S	NA	39		A	
IHVR*DHP13	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AN	108	Y	Y	S		39		A	
IHVR*DHP14	PRESSURE RELIEF DAMPER QUALITY AIR DESIGN	215.480			Y	Y	S		39		A	
IHVR*DHP15	PRESSURE RELIEF DAMPER QUALITY AIR DESIGN	215.480			Y	Y	S	NA	39		A	

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSJ SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOADS	LOCATION	METH	NAT	FREQ	RRS REF	STATUS	QUAL	INST
IRV8-01P16	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AN	108		Y	Y	S	NA	Y	AN	NA						A
IRV8-01P18	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AN	108		Y	Y	S	NA	Y	AN	NA						A
IRV8-01P19	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AN-1	163		Y	Y	S		Y	AN-1							A
IRV8-01P2	MAN. BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480				Y	Y	S	NA	Y		NA						A
IRV8-01P20	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AN	155		Y	Y	S	NA	Y	AN	NA						A
IRV8-01P21	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AN	163		Y	Y	S	NA	Y	AN	NA						A
IRV8-01P22	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AN	231		Y	Y	S	NA	Y	AN	NA						A
IRV8-01P23	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AN	231		Y	Y	S	NA	Y	AN	NA						A
IRV8-01P24	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AN	231		Y	Y	S	NA	Y	AN	NA						A
IRV8-01P25	MAN. BAL. DAMP. QUALITY AIR DESIGN	215.480	AN	231		Y	Y	S	NA	Y	AN	NA						A
IRV8-01P27	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AB	114		Y	N	S	NA	Y	AB	NA						A
IRV8-01P28	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	Y		NA						A
IRV8-01P29	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	Y		NA						A
IRV8-01P3	MAN. BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480				Y	Y	S	NA	Y		NA						A
IRV8-01P30	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AB	70		Y	N	S	NA	Y	AB	NA						A
IRV8-01P32	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	Y		NA						A
IRV8-01P33	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AB	95		Y	N	S	NA	Y	AB	NA						A

SYSTEM FOR VENTILATION - REACTOR PLANT

END



JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-459

EQUIP. ID	DESCRIPTION	MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOADS	METH-	NAT	FREQ-	RRS REF	STATUS	QUAL	INST
IRV*CHP34	MAN. BAL. DAMPER	QUALITY AIR DESIGN	215.480				Y	N	S	NA							A	
IRV*CHP35	MAN. BAL. DAMPER	QUALITY AIR DESIGN	215.480				Y	N	S	NA							A	
IRV*CHP36	MAN. BAL. DAMPER	QUALITY AIR DESIGN	215.480				Y	N	S	NA							A	
IRV*CHP39	MAN. BAL. DAMPER	QUALITY AIR DESIGN	215.480				Y	N	S	NA							A	
IRV*CHP4	MAN. BAL. DAMPER	QUALITY AIR DESIGN	215.480				Y	Y	S	NA							A	
IRV*CHP21	MAN. BAL. DAMPER	QUALITY AIR DESIGN	215.480				Y	N	S	NA							A	
IRV*CHP22	MAN. BAL. DAMPER	QUALITY AIR DESIGN	215.480				Y	N	S	NA							A	
IRV*CHP23	MAN. BAL. DAMPER	QUALITY AIR DESIGN	215.480	AN	224		Y	Y	S	NA							A	
IRV*CHP44	MAN. BAL. DAMPER	QUALITY AIR DESIGN	215.480	AN	224		Y	Y	S	NA							A	
IRV*CHP46	MAN. BAL. DAMPER	QUALITY AIR DESIGN	215.480	AN	224		Y	N	S	NA							A	
IRV*CHP47	MAN. BAL. DAMPER	QUALITY AIR DESIGN	215.480				Y	N	S	NA							A	
IRV*CHP48	MAN. BAL. DAMPER	QUALITY AIR DESIGN	215.480				Y	N	S	NA							A	
IRV*CHP49	MAN. BAL. DAMPER	QUALITY AIR DESIGN	215.480				Y	N	S	NA							A	
IRV*CHP5	MAN. BAL. DAMPER	QUALITY AIR DESIGN	215.480	CT	180		Y	Y	S	NA							A	
IRV*CHP50	MAN. BAL. DAMPER	QUALITY AIR DESIGN	215.480				Y	N	S	NA							A	
IRV*CHP51	MAN. BAL. DAMPER	QUALITY AIR DESIGN	215.480				Y	N	S	NA							A	
IRV*CHP52	MAN. BAL. DAMPER	QUALITY AIR DESIGN	215.480				Y	N	S	NA							A	

SYSTEM HUR VENTILATION - REACTOR PLANT

DWP \*

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	QUAL	METH-	NAT	FREQ-	RRS	REF-	STATUS-	INST
1HRV+DHP53	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AB	141		Y	N	S	NA	39							A
1HRV+DHP54	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	39							A
1HRV+DHP55	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	39							A
1HRV+DHP56	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AB	167		Y	N	S	NA	39							A
1HRV+DHP57	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	39							A
1HRV+DHP6	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CT	180		Y	Y	S	NA	39							A
1HRV+DHP3	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	39							A
1HRV+DHP4	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	39							A
1HRV+DHP67	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	39							A
1HRV+DHP68	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50							A
1HRV+DHP7	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	39							A
1HRV+DHP70	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50							A
1HRV+DHP71	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50							A
1HRV+DHP72	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50							A
1HRV+DHP73	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50							A
1HRV+DHP75	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50							A
1HRV+DHP77	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50							A

SYSTEM HRV VENTILATION - REACTOR PLANT

DHP

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION	MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOADS	QUAL	METH-	NAT	FREQ-	RRS	REF	STATUS	QUAL	INST
*****EQUIPMENT*****																				
SYSTEM NVR VENTILATION - REACTOR PLANT																				
*****																				
1HR2-01P8	MAN. BAL. DAMPER		215-480								Y	N	S	NA						A
1HR2-01P9	QUALITY AIR DESIGN		215-480								Y	N	S	NA						A
1HR2-01P82	TORNADO DAMPER		215-480								Y	N	S	NA						A
1HR2-01P84	QUALITY AIR DESIGN		215-480								Y	N	S	NA						A
1HR2-01P85	TORNADO DAMPER		215-480								Y	N	S	NA						A
1HR2-01P86	QUALITY AIR DESIGN		215-480								Y	N	S	NA						A
1HR2-01P87	TORNADO DAMPER		215-480								Y	N	S	NA						A
1HR2-01P88	QUALITY AIR DESIGN		215-480								Y	N	S	NA						A
1HR2-01P89	TORNADO DAMPER		215-480								Y	N	S	NA						A
1HR2-01P9	MAN. BAL. DAMPER		215-480			AN	98				Y	Y	S	NA						A
1HR2-01P90	QUALITY AIR DESIGN		215-480								Y	N	S	NA						A
1HR2-01P91	TORNADO DAMPER		215-480								Y	N	S	NA						A
1HR2-01P92	QUALITY AIR DESIGN		215-480								Y	N	S	NA						A
1HR2-01P93	TORNADO DAMPER		215-480								Y	N	S	NA						A
1HR2-01P94	QUALITY AIR DESIGN		215-480								Y	N	S	NA						A
1HR2-01P96	TORNADO DAMPER		215-480								Y	N	S	NA						A
1HR2-01P98	QUALITY AIR DESIGN		215-480								Y	N	S	NA						A
1HR2-01P98	MAN. BAL. DAMPER		215-480								Y	N	S	NA						A
1HR2-01P98	QUALITY AIR DESIGN		215-480								Y	N	S	NA						A



ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
HASTER LIST OF SAFETY RELATED EQUIPMENT

JOB NAME: RDD - UNIT 1  
UTILITY: GULF STATES

DOC#ET NO. 50-458

EQUIP. ID	DESCRIPTION	EQUIPMENT	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOADS	LOCATION	QUAL	METH	AMT	FREQ	RRS REF	STATUS	QUAL	INST
IRDR-DRPF24	FIRE DAMPER QUALITY AIR DESIGN		215-480										Y	N	S	HF/D	>1000			A
IRDR-DRPF25	FIRE DAMPER QUALITY AIR DESIGN		215-480										Y	N	S	HF/D	>1000			A
IRDR-DRPF26	FIRE DAMPER QUALITY AIR DESIGN		215-480										Y	N	S	HF/D	>1000			A
IRDR-DRPF27	FIRE DAMPER QUALITY AIR DESIGN		215-480										Y	N	S	HF/D	>1000			A
IRDR-DRPF28	FIRE DAMPER QUALITY AIR DESIGN		215-480										Y	N	S	HF/D	>1000			A
IRDR-DRPF29	FIRE DAMPER QUALITY AIR DESIGN		215-480										Y	N	S	HF/D	>1000			A
IRDR-DRPF30	FIRE DAMPER QUALITY AIR DESIGN		215-480										Y	N	S	HF/D	>1000			A
IRDR-DRPF31	FIRE DAMPER QUALITY AIR DESIGN		215-480										Y	N	S	HF/D	>1000			A
IRDR-DRPF32	FIRE DAMPER QUALITY AIR DESIGN		215-480										Y	N	S	HF/D	>1000			A
IRDR-DRPF33	FIRE DAMPER QUALITY AIR DESIGN		215-480										Y	N	S	HF/D	>1000			A
IRDR-DRPF34	FIRE DAMPER QUALITY AIR DESIGN		215-480										Y	N	S	HF/D	>1000			A
IRDR-DRPF35	FIRE DAMPER QUALITY AIR DESIGN		215-480										Y	N	S	HF/D	>1000			A
IRDR-DRPF36	FIRE DAMPER QUALITY AIR DESIGN		215-480										Y	N	S	HF/D	>1000			A
IRDR-DRPF37	FIRE DAMPER QUALITY AIR DESIGN		215-480										Y	N	S	HF/D	>1000			A
IRDR-DRPF38	FIRE DAMPER QUALITY AIR DESIGN		215-480										Y	N	S	HF/D	>1000			A
IRDR-DRPF39	FIRE DAMPER QUALITY AIR DESIGN		215-480										Y	N	S	HF/D	>1000			A

SYSTEM HUR VENTILATION - REACTOR PLANT

DRPF

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	EQUIPMENT----- SPEC NO.	-----LOCATION-----		---LOADS---		-QUAL METH- ANLYS TEST	-NAY FREQ- LOWEST	----RRS REF---- ---STATUS--- QUAL INST
			BLDG	ELEV MTG	SEIS	HYDR			

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SYSTEM HVR VENTILATION - REACTOR PLANT

DMPF

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1HVRwDMPF4	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D >1000	A
1HVRwDMPF40	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D >1000	A
1HVRwDMPF41	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D >1000	A
1HVRwDMPF42	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D >1000	A
1HVRwDMPF43	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D >1000	A
1HVRwDMPF44	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D >1000	A
1HVRwDMPF45	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D >1000	A
1HVRwDMPF46	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D >1000	A
1HVRwDMPF47	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D >1000	A
1HVRwDMPF48	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D >1000	A
1HVRwDMPF49	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D >1000	A
1HVRwDMPF50	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D >1000	A
1HVRwDMPF51	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D >1000	A
1HVRwDMPF52	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D >1000	A
1HVRwDMPF53	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D >1000	A
1HVRwDMPF54	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D >1000	A
1HVRwDMPF55	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D >1000	A

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UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR			---STATUS---	QUAL INST

SYSTEM HVR VENTILATION - REACTOR PLANT

DMPF

1HVR*DMPF56	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	>1000	A
1HVR*DMPF57	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	>1000	A
1HVR*DMPF58	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	>1000	A
1HVR*DMPF59	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	>1000	A
1HVR*DMPF60	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	>1000	A
1HVR*DMPF61	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	>1000	A
1HVR*DMPF62	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	>1000	A
1HVR*DMPF63	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	Y	S	MF/D	>1000	A
1HVR*DMPF64	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	Y	S	MF/D	>1000	A
1HVR*DMPF65	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	>1000	A
1HVR*DMPF66	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	>1000	A
1HVR*DMPF67	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	>1000	A
1HVR*DMPF68	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	>1000	A
1HVR*DMPF69	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	>1000	A
1HVR*DMPF7	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	>1000	A
1HVR*DMPF8	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	>1000	A

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

-----EQUIPMENT----- ---LOCATION--- ---LOADS--- -QUAL METH- -NAT FREQ- ----RRS REF----  
EQUIP. ID DESCRIPTION SPEC NO. BLDG ELEV MTG SEIS HYDR ANLYS TEST LOWEST ---STATUS---  
MANUFACTURER QUAL INST  
\*\*\*\*\*

SYSTEM HVR VENTILATION - REACTOR PLANT

FE FLOW ELEMENT

EQUIP. ID	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS
1HVR*FE111	FLOW SWITCH FCI	247.433	AB	170	LM	Y	N	NA	MF		NA	Y
1HVR*FE113	FLOW SWITCH FCI	247.433	AB	170	LM	Y	N	NA	MF		NA	
1HVR*FE163	FLOW SWITCH FCI	247.433	RB	162	LM	Y	N	NA	MF		NA	
1HVR*FE28A	FLOW SWITCH FCI	247.433	RB	162	LM	Y	Y	NA	MF		NA	Y
1HVR*FE28B	FLOW SWITCH FCI	247.433	RB	162	LM	Y	Y	NA	MF		NA	Y
1HVR*FE28C	FLOW SWITCH FCI	247.433	RB	162	LM	Y	Y	NA	MF		NA B	Y
1HVR*FE29A	FLOW SWITCH FCI	247.433	AB	141	LM	Y	N	NA	MF		NA	
1HVR*FE29B	FLOW SWITCH FCI	247.433	AB	141	LM	Y	N	NA	MF		NA	
1HVR*FE56A	FLOW SWITCH FCI	247.433	AB	141	LM	Y	N	NA	MF		NA	
1HVR*FE56B	FLOW SWITCH FCI	247.433	AB	141	LM	Y	N	NA	MF		NA B	

FN FAN

1HVR*FN1A	AXIAL FLOW FAN BUFFALO FORGE	215.360	CT	229	EM	Y	Y	S	NA		A	
1HVR*FN1B	AXIAL FLOW FAN BUFFALO FORGE	215.360	CT	229	EM	Y	Y	S	NA		A	
1HVR*FN11A	MIXING FAN BUFFALO FORGE	215.400	AB	170	CF	Y	N	S	NA	11	5 B	
1HVR*FN11B	MIXING FAN BUFFALO FORGE	215.400	AB	170	CF	Y	N	S	NA	11	5 B	
1HVR-FN1C	AXIAL FLOW FAN BUFFALO FORGE	215.360	CT	229	EM	Y	Y	S	NA	>10	A	



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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL HETH- ANLYS TEST	-NAT FREQ- LOWEST	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR			---STATUS---	QUAL INST

SYSTEM HVR VENTILATION - REACTOR PLANT

FN FAN

1HVR-FN10	AXIAL FLOW FAN BUFFALO FORGE	215.360	CT	229	EM	Y	Y	S	NA	>10	
1HVR-FN13	PURGE SUPPLY FAN BUFFALO FORGE	216.130	AB	170		Y	NA	D	NA	13	A
1HVR-FN16A	PRESS CONTROL FAN BUFFALO FORGE	216.130	AB	170		Y	NA	D	NA	26	A
1HVR-FN16B	PRESS CONTROL FAN BUFFALO FORGE	216.130	AB	170		Y	NA	D	NA	26	A
1HVR-FN6A	CEILING FAN BUFFALO FORGE	215.360	AB	170	EM	Y	N	S	NA	>10	A
1HVR-FN6B	CEILING FAN BUFFALO FORGE	215.360	AB	170	EM	Y	N	S	NA	>10	A
1HVR-FN7A	CEILING FAN BUFFALO FORGE	215.360	AB	170	EM	Y	N	S	NA	24	A
1HVR-FN7B	CEILING FAN BUFFALO FORGE	215.360	AB	170	EM	Y	N	S	NA	24	A
1HVR-FN8	CEILING FAN BUFFALO FORGE	215.360	AB	170	EM	Y	N	S	NA	>10	A

FS FLOW SWITCH

1HVR*FS111	FLOW SWITCH FCI	247.433	AB	170	LH	Y	N	NA	HF		NA B
1HVR*FS113	FLOW SWITCH FCI	247.433	AB	170	LH	Y	N	NA	HF		NA B
1HVR*FS163	FLOW SWITCH FCI	247.433	AB	170	LH	Y	N	NA	HF		NA B
1HVR*FS28A	FLOW SWITCH FCI	247.433	RB	162	LH	Y	Y	NA	HF		NA B
1HVR*FS28B	FLOW SWITCH FCI	247.433	AB	162	LH	Y	N	NA	HF		NA B
1HVR*FS29A	FLOW SWITCH FCI	247.433	AB	141	LH	Y	N	NA	HF		NA B

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LONEST	---STATUS---	QUAL INST

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SYSTEM HVR VENTILATION - REACTOR PLANT

FS FLOW SWITCH

1HVR*FS29B	FLOW SWITCH FCI	247.433	AB	141 LM	Y	N	NA	MF		NA	B
1HVR*FS56A	FLOW SWITCH FCI	247.433	AB	141 LM	Y	N	NA	MF		NA	B
1HVR*FS56B	FLOW SWITCH FCI	247.433	AB	141 LM	Y	N	NA	MF		NA	B

PDT DIFFERENTIAL PRESSURE TRANSMITTER

1HVR*PDT60A	PRESS TRANSMITT ROSEMOUNT	247.481	CB	141 RH	Y	N	NA	MF		B	Y
1HVR*PDT60B	PRESS TRANSMITT ROSEMOUNT	247.481	AB	141 RH	Y	N	NA	MF		B	
1HVR*PDT60C	PRESS TRANSMITT ROSEMOUNT	247.481	AB	141 RH	Y	N	NA	MF		B	Y
1HVR*PDT60D	PRESS TRANSMITT ROSEMOUNT	247.481	AB	141 RH	Y	N	NA	MF		B	
1HVR*PDT60E	PRESS TRANSMITT ROSEMOUNT	247.481	AB	141 RH	Y	N	NA	MF		B	Y
1HVR*PDT60F	PRESS TRANSMITT ROSEMOUNT	247.481	AB	141 RH	Y	N	NA	MF		B	

TH \*

1HVR*TH2A	THERMOCOUPLES RTD PYCO	247.461		162	Y	Y	NA	MF		C	
1HVR*TH2B	THERMOCOUPLES RTD PYCO	247.461		162	Y	Y	NA	MF		C	
1HVR*TH2C	THERMOCOUPLES RTD PYCO	247.461		162	Y	Y	NA	MF		C	

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	-----RRS REF-----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR			ANLYS	TEST
	MANUFACTURER									QUAL INST

SYSTEM HVR VENTILATION - REACTOR PLANT

UC UNIT COOLER

1HVR*UC1A	UNIT COOLER BUFFALO FORGE	215.252	DH-CT	162	DM	Y	Y	D	NA	16	
1HVR*UC1B	UNIT COOLER BUFFALO FORGE	215.252	DH-CT	162	DM	Y	Y	D	NA	16	D
1HVR*UC1C	UNIT COOLER BUFFALO FORGE	215.252	DH-CT	162	DM	Y	Y	D	NA	16	D
1HVR*UC10	UNIT COOLER BUFFALO FORGE	215.252	AB	130	CF	Y	N	D	NA	27	D 4
1HVR*UC11A	UNIT COOLER BUFFALO FORGE	215.252	AB	141	CF	Y	N	D	NA	11	A 4
1HVR*UC11B	UNIT COOLER BUFFALO FORGE	215.252	AB	141	CF	Y	N	D	NA	11	A 4
1HVR*UC12	UNIT COOLER BUFFALO FORGE	215.252	AB	170	CF	Y	N	D	NA	28	A 5
1HVR*UC13	UNIT COOLER BUFFALO FORGE	215.252	AB	130	CF	Y	N	D	NA	24	B 4
1HVR*UC2	UNIT COOLER BUFFALO FORGE	215.252	AB	96	CF	Y	N	D	NA	38	B 2
1HVR*UC3	UNIT COOLER BUFFALO FORGE	215.252	AB	96	CF	Y	N	D	NA	14	A 2
1HVR*UC4	UNIT COOLER BUFFALO FORGE	215.252	AB	96	CF	Y	N	D	NA	14	A 2
1HVR*UC5	UNIT COOLER BUFFALO FORGE	215.252	AB	114	CF	Y	N	D	NA	14	A 3
1HVR*UC6	UNIT COOLER BUFFALO FORGE	215.252	AB	114	CF	Y	N	D	NA	11	A 3
1HVR*UC7	UNIT COOLER BUFFALO FORGE	215.252	AB	114	CF	Y	N	D	NA	14	A 3
1HVR*UC8	UNIT COOLER BUFFALO FORGE	215.252	AB	114	CF	Y	N	D	NA	14	A 3
1HVR*UC9	UNIT COOLER BUFFALO FORGE	215.252	AB	114	CF	Y	N	D	NA	11	A 3

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS TEST	LOWEST	---STATUS---
	MANUFACTURER								QUAL INST
*****									

SYSTEM HVR VENTILATION - REACTOR PLANT

*		*								
1HVR#28C	FLOW SWITCH FCI	247.433	RB	162	LH	Y	Y	NA	MF	NA B

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JOB NAME RBS - UNIT 1  
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SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	----RRS REF----	
		SPEC NO.		BLDG	ELEV MTG	SEIS	HYDR			---	---

SYSTEM HVT

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BOP EQUIPMENT  
ADD AIR OPERATED DAMPER

1HVT*ADD4A	AIR DAMPER QUALITY AIR DESIGN	215.490	TB	123	Y	NA	S	NA	53		
1HVT-ADD1B	AIR DAMPER QUALITY AIR DESIGN	215.490	TB	067	Y	NA	S	NA	53		A
1HVT-ADD103	AIR DAMPER QUALITY AIR DESIGN	215.490	TB	123	Y	NA	S	NA	53		A
1HVT-ADD104	AIR DAMPER QUALITY AIR DESIGN	215.490	TB	123	Y	NA	S	NA	53		A
1HVT-ADD113	AIR DAMPER QUALITY AIR DESIGN	215.490	TB	123	Y	NA	S	NA	53		A
1HVT-ADD114	AIR DAMPER QUALITY AIR DESIGN	215.490	TB	123	Y	NA	S	NA	53		A
1HVT-ADD118	AIR DAMPER QUALITY AIR DESIGN	215.490	TB	123	Y	NA	S	NA	53		A
1HVT-ADD4B	AIR DAMPER QUALITY AIR DESIGN	215.490	TB	123	Y	NA	S	NA	53		A
1HVT-ADD4C	AIR DAMPER QUALITY AIR DESIGN	215.490	TB	123	Y	NA	S	NA	53		A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSF SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOHEST	---STATUS---

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SYSTEM HVY VENTILATION - YARD STRUCTURES

BOP EQUIPMENT  
CH COIL HEATER

1HVY*CH6A	ELEC HEATERS NUTHERN	215.325	SW	159	DW	Y	N	S	HF		34	C
1HVY*CH6B	ELEC HEATERS NUTHERN	215.325	SW	159	DW	Y	N	S	HF		34	C
1HVY-CH12	DUCT HEATERS INDEECO	216.130	PT	66		Y	NA	D	NA	15		A
1HVY-CH13	DUCT HEATERS INDEECO	216.130	PT	66		Y	NA	D	NA	23		A
1HVY-CH14	DUCT HEATERS INDEECO	216.130	PT	66		Y	NA	D	NA	23		A
1HVY-CH18	DUCT HEATERS INDEECO	216.130	PT	66		Y	NA	D	NA	15		A

DHP

1HVY*DMP1A	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50		A
1HVY*DMP1B	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50		A
1HVY*DMP1C	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50		A
1HVY*DMP1D	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50		A
1HVY*DMP10A	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50		A
1HVY*DMP10B	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50		A
VY*DMP2A	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50		A
1HVY*DMP2B	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50		A
1HVY*DMP2C	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50		A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	---RRS REF--- ---STATUS--- QUAL INST
			BLDG	ELEV HTG	SEIS	HYDR			

SYSTEM HVY VENTILATION - YARD STRUCTURES

DHP

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1HVV*DMP2D	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	
1HVV*DMP3A	TORNADO DAMPER QUALITY AIR DESIGN	215.460			Y	N	S	NA	50	A
1HVV*DMP3B	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVV*DMP4A	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVV*DMP4B	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVV*DMP6A	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVV*DMP6B	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVV*DMP6C	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVV*DMP6D	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVV*DMP7A	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVV*DMP7B	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVV*DMP9A	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVV*DMP9B	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A

DHPF

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1HVV*DHPF1	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	20	A
1HVV*DHPF10	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	20	A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

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MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	-----RRS REF----
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST

SYSTEM HVY VENTILATION - YARD STRUCTURES

DMPF

1HVY*DMPF11	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D 20	A
1HVY*DMPF13	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D 20	A
1HVY*DMPF14	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D 20	A
1HVY*DMPF15	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D 20	A
1HVY*DMPF16	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D 20	A
1HVY*DMPF17	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D 20	A
1HVY*DMPF18	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D 20	A
1HVY*DMPF19	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D 20	A
1HVY*DMPF2	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D 20	A
1HVY*DMPF20	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D 20	A
1HVY*DMPF21	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D 20	A
1HVY*DMPF22	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D 20	A
1HVY*DMPF3	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D 20	A
1HVY*DMPF4	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D 20	A
1HVY*DMPF5	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D 20	A
1HVY*DMPF6	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D 20	A
1HVY*DMPF7	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D 20	A



JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

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ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---			---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	---RRS REF---	
			BLDG	ELEV	MTG	SEIS	HYDR			STATUS	QUAL

SYSTEM HVY VENTILATION - YARD STRUCTURES

DHPF

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1HVY*DHPF8	FIRE DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	MF/D	20	
1HVY*DHPF9	FIRE DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	MF/D	20	A

FE FLOW ELEMENT

1HVY*FE17A	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF		NA B
1HVY*FE17B	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF		NA B
1HVY*FE17C	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF		NA B
1HVY*FE17D	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF		NA B
1HVY*FE21A	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF		NA B
1HVY*FE21B	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF		NA B
1HVY*FE21C	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF		NA B
1HVY*FE21D	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF		NA B
1HVY*FE30A	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF		NA B
1HVY*FE30B	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF		NA B
1HVY*FE38A	FLOW SWITCH FCI	247.433	AB	141	LH	Y	N	NA	MF		NA B
1HVY*FE38B	FLOW SWITCH FCI	247.433	AB	141	LH	Y	N	NA	MF		NA B

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
MSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOHEST	---STATUS---	QUAL INST

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SYSTEM HVY VENTILATION - YARD STRUCTURES

FN FAN

1HVY*FN1A	SUPPLY AIR FAN BUFFALO FORGE	215.350	SW	133	CF	Y	N	S	NA	181	33	A
1HVY*FN1B	SUPPLY AIR FAN BUFFALO FORGE	215.350	SW	133	CF	Y	N	S	NA	181	33	A
1HVY*FN1C	SUPPLY AIR FAN BUFFALO FORGE	215.350	SW	133	CF	Y	N	S	NA	181	33	A
1HVY*FN1D	SUPPLY AIR FAN BUFFALO FORGE	215.350	SW	133	CF	Y	N	S	NA	181	33	A
1HVY*FN2A	SUPPLY AIR FAN BUFFALO FORGE	215.350	SW	146	CF	Y	N	S	NA	34	34	A
1HVY*FN2B	SUPPLY AIR FAN BUFFALO FORGE	215.350	SW	146	CF	Y	N	S	NA	34	34	A
1HVY*FN2C	SUPPLY AIR FAN BUFFALO FORGE	215.350	SW	146	CF	Y	N	S	NA	34	34	A
1HVY*FN2D	SUPPLY AIR FAN BUFFALO FORGE	215.350	SW	146	CF	Y	N	S	NA	34	34	A
1HVY*FN32A	SUPPLY FAN BUFFALO FORGE	215.350	SW	157	CF	Y	N	S	NA	31	34	B
1HVY*FN32B	SUPPLY FAN BUFFALO FORGE	215.350	SW	157	CF	Y	N	S	NA	31	34	B

FS FLOW SWITCH

1HVY*FS17A	FLOW SWITCH FCI	247.433	TS	94	LM	Y	N	NA	MF		NA	Y
1HVY*FS17B	FLOW SWITCH FCI	247.433	TS	94	LM	Y	N	N	MF		B	
1HVY*FS17C	FLOW SWITCH FCI	247.433	TS	94	LM	Y	N	NA	MF		NA	Y
1HVY*FS17D	FLOW SWITCH FCI	247.433	TS	94	LM	Y	N	NA	MF		NA	Y
1HVY*FS21A	FLOW SWITCH FCI	247.433	TS	94	LM	Y	N	NA	MF		NA	Y

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION	MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---

SYSTEM HVY VENTILATION - YARD STRUCTURES

FS FLOW SWITCH

1HVY*FS21B	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF		NA B	Y
1HVY*FS21C	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF		NA B	Y
1HVY*FS21D	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF		1.A B	Y
1HVY*FS30A	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF		NA B	Y
1HVY*FS30B	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF		NA B	
1HVY*FS38A	FLOW SWITCH FCI	247.433	AB	141	LM	Y	N	NA	MF		NA NA	
1HVY*FS38B	FLOW SWITCH FCI	247.433	AB	141	LM	Y	N	NA	MF		NA NA B	

RTD RESISTANCE TEMPERATURE RECORDER

1HVY*RTD24A	THERMOCOUPLES RTD PYCO	247.461	SW	94		Y	N	NA	MF			
1HVY*RTD24B	THERMOCOUPLES RTD PYCO	247.461	SW	94		Y	N	NA	MF		C	
1HVY*RTD25A	THERMOCOUPLES RTD PYCO	247.461	SW	143		Y	N	NA	MF		C	
1HVY*RTD25B	THERMOCOUPLES RTD PYCO	247.461	SW	143		Y	N	NA	MF		C	Y
1HVY*RTD31A	THERMOCOUPLES RTD PYCO	247.461	SW	118		Y	N	NA	MF		C	Y
1HVY*RTD31B	THERMOCOUPLES RTD PYCO	247.461	SW	118		Y	N	NA	MF		C	
2HVY*RTD24A	THERMOCOUPLES RTD PYCO	247.461	SW			Y	N	NA	MF		C	
2HVY*RTD24B	THERMOCOUPLES RTD PYCO	247.461	SW			Y	N	NA	MF		C	

06/30/84

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS TEST	LOWEST	---STATUS---
	MANUFACTURER								QUAL INST
*****									

SYSTEM HYD

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BOP EQUIPMENT  
PDI

\*

2HYD-PDI19A

PRESS. INDICATOR  
DHYER

247.458

NA

RH Y

N

S

NA

A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

-----EQUIPMENT----- ---LOCATION--- ---LOADS--- -QUAL METH- -NAT FREQ- ----RRS REF----  
EQUIP. ID DESCRIPTION SPEC NO. BLDG ELEV MTG SEIS HYDR ANLYS TEST LOWEST ---STATUS---  
MANUFACTURER QUAL INST  
\*\*\*\*\*

SYSTEM H13 CONTROL ROOM PANELS

BOP EQUIPMENT  
P PUMP

EQUIP. ID	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF
1H13*P702D	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB			CH	Y	N	D	MF >33	
1H13*P703D	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB			CH	Y	N	D	MF >33	A
1H13*P710B	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB			CH	Y	N	D	MF >33	A
1H13*P710D	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB			CH	Y	N	D	MF >33	A
1H13*P710E	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB			CH	Y	N	D	MF >33	A
1H13*P712B	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB			CH	Y	N	D	MF >33	A
1H13*P712D	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB			CH	Y	N	D	MF >33	A
1H13*P713A	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CM	CH	CH	Y	N	D	MF >33	A
1H13*P713D	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB			CH	Y	N	D	MF >33	A
1H13*P714B	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB			CH	Y	N	D	MF >33	A
1H13*P714D	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB			CH	Y	N	D	MF >33	A
1H13*P715D	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB			CH	Y	N	D	MF >33	A
1H13*P717D	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB			CH	Y	N	D	MF >33	A
1H13*P730B	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB			CH	Y	N	D	MF >33	A
1H13*P731D	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB			CH	Y	N	D	MF >33	A
1H13*P743E	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB			CH	Y	N	D	MF >33	A
1H13*P744D	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CH	CH	CH	Y	N	D	MF >33	A

06/30/84

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST
*****											

SYSTEM H13 CONTROL ROOM PANELS

BOP EQUIPMENT  
P PUMP

1H13*P750E	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CH	Y	N	D	MF	>33		A
1H13*P751A	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CH	Y	N	D	MF	>33		A
1H13*P751D	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CH	Y	N	D	MF	>33		A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

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ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

-----EQUIPMENT----- ---LOCATION--- ---LOADS--- -QUAL METH- --NAT FREQ- ----RRS REF----  
EQUIP. ID DESCRIPTION SPEC NO. BLDG ELEV MTG SEIS HYDR ANLYS TEST LOWEST ---STATUS---  
MANUFACTURER QUAL INST  
\*\*\*\*\*

SYSTEM IAS INSTRUMENT AIR

BOP EQUIPMENT  
MOV MOTOR OPERATED VALVE

EQUIP. ID	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS	INST
IIAS*MOV106	VALVE H.O. 3"-600 LB VELAN	228.212	AB	114	LM	Y	Y	S	MF	49	NA		
IIAS*MOV107	VALVE H.O. 3"-600 LB VELAN	228.212	AB	114	LM	Y	Y	S	MF	49	NA	Y	

PT PRESSURE TRANSMITTER

EQUIP. ID	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS	INST
IIAS*PT34A	PRESS TRANSHITT ROSEMOUNT	247.481	CB	70	RM	Y	N	NA	MF				
IIAS*PT34B	PRESS TRANSHITT ROSEMOUNT	247.481	CB	70	RM	Y	N	NA	MF			B	Y
IIAS*PT39A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RM	Y	N	NA	MF			B	Y
IIAS*PT39B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RM	Y	N	NA	MF			B	Y
IIAS*PT43A	PRESS TRANSHITT ROSEMOUNT	247.481	FB	148	RM	Y	N	NA	MF			B	Y
IIAS*PT43B	PRESS TRANSHITT ROSEMOUNT	247.481	FB	148	RM	Y	N	NA	MF			B	Y
IIAS*PT47A	PRESS TRANSHITT ROSEMOUNT	247.481	CB	70	RM	Y	N	NA	MF			B	Y
IIAS*PT47B	PRESS TRANSHITT ROSEMOUNT	247.481	CB	70	RM	Y	N	NA				B	Y
IIAS*PT48A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RM	Y	N	NA	MF			B	Y
IIAS*PT48B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RM	Y	N	NA				B	Y
IIAS*PT49A	PRESS TRANSHITT ROSEMOUNT	247.481	FB	148	RM	Y	N	NA	MF			B	Y
IIAS*PT49B	PRESS TRANSHITT ROSEMOUNT	247.481	FB	148	RM	Y	N	NA	MF			B	Y

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM IAS INSTRUMENT AIR

RV

\*

IIAS*RV38A	RELIEF VALVES CROSBY	247.521	CB	121 LM	Y	N	S	SO	157	NA B	
IIAS*RV38B	RELIEF VALVES CROSBY	247.521	CB	121 LM	Y	N	S	SO	157	NA B	
IIAS*RV42A	RELIEF VALVES CROSBY	247.521	AB	141 LM	Y	N	S	SO	157	NA B	
IIAS*RV42B	RELIEF VALVES CROSBY	247.521	AB	141 LM	Y	N	S	SO	157	NA B	
IIAS*RV46A	RELIEF VALVES CROSBY	247.521	FB	148 LM	Y	N	S	SO	157	NA B	
IIAS*RV46B	RELIEF VALVES CROSBY	247.521	FB	148 LM	Y	N	S	SO	157	NA B	

SOV SOLENOID VALVE

IIAS*SOV36A	VALVE 2" TARGET ROCK	247.501	CR	98 LM	Y	N	S	MF	139	NA A	Y
IIAS*SOV36B	VALVE 2" TARGET ROCK	247.501	CR	98 LM	Y	N	S	MF	139	NA A	Y
IIAS*SOV41A	VALVE 2" TARGET ROCK	247.501	FB	148 LM	Y	N	S	MF	139	NA A	Y
IIAS*SOV41B	VALVE 2" TARGET ROCK	247.501	FB	148 LM	Y	N	S	MF	139	NA A	Y
IIAS*SOV45A	VALVE 2" TARGET ROCK	247.501	FB	148 LM	Y	N	S	MF	139	NA A	Y
IIAS*SOV45B	VALVE 2" TARGET ROCK	247.501	FB	148 LM	Y	N	S	MF	139	NA A	Y



JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	-----EQUIPMENT----- SPEC NO.	---LOCATION---			---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	-----RRS REF----- ---STATUS--- QUAL INST
			BLDG	ELEV	HTG	SEIS	HYDR			
*****										
SYSTEM ICS REACTOR CORE ISOLATION COOLING										
BOP EQUIPMENT										
HOSE *										
IICS*HOSE1	FLEX METAL HOSE MTL BELLOWS	247.011				Y	S	MF	10	B
IICS*HOSE2	FLEX METAL HOSE MTL BELLOWS	247.011				Y	S	MF	10	A
IICS*HOSE61	FLEX METAL HOSE MTL BELLOWS	247.011				Y	S	MF	10	B
PDI *										
IICS-PDI126	DIFF. PRESS. INDICAT. ITT-BARTON	247.457	AB	70	RH	Y	N	N	MF	A
PT PRESSURE TRANSMITTER										
IICS*PT101	PRESS TRANSMITT ROSEMOUNT	247.481	CT	118	RH	Y	Y	NA	MF	B
RV *										
IICS*RV130	RELIEF VALVES CROSBY	247.521	AB	80	LH	Y	N	S	SO	699 NA B
STR *										
IICS*STR1	STRAINER ZURN INDUSTRIES	228.957	CT	70	LH	N	Y	S	N	1,000 NA A

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS TEST	LOWEST	---STATUS---	QUAL INST

\*\*\*\*\*

SYSTEM ICS REACTOR CORE ISOLATION COOLING

TH

\*

1ICS*TH123	THERHOCOUPLES RTD PYCO	247.461	AB	70	Y	N	NA	MF		C
1ICS*TH127	THERHOCOUPLES RTD PYCO	247.461	AB	70	Y	Y	NA	MF		C

JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	-----EQUIPMENT----- SPEC NO.	---LOCATION---			---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	----RRS REF----	
			BLDG	ELEV	HTG	SEIS	HYDR			---STATUS---	QUAL
*****											
SYSTEM IHS											
* BOP EQUIPMENT											
INV											
IIHS-INV01	INVERTER ELGAR CORP.	244.511	NS	123	CF	Y	N	N	MF	7.3	A
* TRS											
IIHS-TRS01	BYPASS SWITCH ELGAR CORP.	244.511	NS	123	CF	Y	N	N	MF	7.3	A
* XRC											
IIHS-XRC20C1	TRANSFORMER ELGAR CORP.	244.511	NS	123	CF	Y	N	N	MF	7.3	A
IIHS-XRC0A1	TRANSFORMER ELGAR CORP.	244.511	NS	138	DW	Y	N	S	MF		D

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---
	MANUFACTURER										QUAL INST
*****											

SYSTEM JCB SUPERSTRUCTURE - CONTROL ROOM

SOP EQUIPMENT  
RAK RACK

1JCB*RAK1	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	CB	98	CF	Y	N	S	NA	37	A	
1JCB*RAK2	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	CB	98	CF	Y	N	S	NA	37	A	Y

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---			---LOADS---			-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	----RRS REF---- ---STATUS--- QUAL INST
			BLDG	ELEV	HTG	SEIS	HYDR				
*****											

SYSTEM JFB

\*

SCP EQUIPMENT  
RAK RACK

1JFB-RAK2	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	FB	70		Y	N	D	NA	12	
1JFB-RAK3	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	FB	148		Y	N	D	NA	12	A
1JFB-RAK4	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	FB	148		Y	N	D	NA	12	A
1JFB-RAK5	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	FB	148		Y	N	D	NA	12	A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSF SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS TEST	LOWEST	---	STATUS---

\*\*\*\*\*  
SYSTEM JPB SUPERSTRUCTURE - PRIMARY AUXILIARY BUILDING

BCP EQUIPMENT  
DHP

1JPB=DHP1	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	35		A
1JPB=DHP2	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	35		A
1JPB=DHP3	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	35		A
1JPB=DHP4	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	35		A
1JPB=DHP5	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	35		A
1JPB=DHP6	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	35		A

RAK RACK

1JPB=RAK1	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	AB	95	CF	Y	N	S	NA	37		A	Y
1JPB=RAK2	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	AB	95	CF	Y	N	S	NA	37		A	Y
1JPB=RAK3	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	AB	141	CF	Y	N	S	NA	37		A	Y
1JPB=RAK4	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	AB	141	CF	Y	N	S	NA	37		A	Y
1JPB=RAK6	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	AB	141		Y	N	D	NA	12		A	
1JPB=RAK7	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	AB	141		Y	N	D	NA	12		A	

JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSF SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	
			BLDG	ELEV HTG	SEIS	HYDR			ANLYS	TEST

SYSTEM JRB SUPERSTRUCTURE - REACTOR BUILDING

BOP EQUIPMENT  
DRA DOOR ACCESS

1JRB-DRA1	PERSONNEL AIR LOCK H.J. HOOLLEY CO.	219.711	CT	175	DM	Y	Y	S	NA	42	
1JRB-DRA2	PERSONNEL AIR LOCK H.J. HOOLLEY CO.	219.711	CT	118	DM	Y	Y	S	NA	42	B

RAK RACK

1JRB-RAK1	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	RB		DM	Y	Y	D	NA	47	
1JRB-RAK2	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	RB	111	DM	Y	Y	D	NA	47	A
1JRB-RAK3	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	RB		DM	Y	Y	D	NA	47	A
1JRB-RAK4	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	RB		DM	Y	Y	D	NA	47	A
1JRB-RAK5	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	RB		DM	Y	Y	D	NA	47	A
1JRB-RAK7	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	RB		DM	Y	Y	D	NA	37	A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		----LOCATION----			---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---
*****												
SYSTEM LAC												
* BOP EQUIPMENT												
PNL PANEL												
1LAC-PNL1C1	PANEL BOARDS SQUARE "D" CO.	242.423	CB	98	DH	Y	N	N	MF	14		A
1LAC-PNL1C10	PANEL BOARDS SQUARE "D" CO.	242.423	CB	136	DH	Y	N	N	MF	14		A
1LAC-PNL1C11	PANEL BOARDS SQUARE "D" CO.	242.423	CB	136	DH	Y	N	N	MF	14		A
1LAC-PNL1C2	PANEL BOARDS SQUARE "D" CO.	242.423	CB	98	DH	Y	N	N	MF	14		A
1LAC-PNL1C3	PANEL BOARDS SQUARE "D" CO.	242.423	CB	116	DH	Y	N	N	MF	14		A
1LAC-PNL1C4	PANEL BOARDS SQUARE "D" CO.	242.423	CB	116	DH	Y	N	N	MF	14		A
1LAC-PNL1C5	PANEL BOARDS SQUARE "D" CO.	242.423	CB	136	DH	Y	N	N	MF	14		A
1LAC-PNL1C6	PANEL BOARDS SQUARE "D" CO.	242.423	CB	136	DH	Y	N	N	MF	14		A
1LAC-PNL1C7	PANEL BOARDS SQUARE "D" CO.	242.423	CB	70	DH	Y	N	N	MF	14		A
1LAC-PNL1C8	PANEL BOARDS SQUARE "D" CO.	242.423	CB	70	DH	Y	N	N	MF	14		A
1LAC-PNL1C9	PANEL BOARDS SQUARE "D" CO.	242.423	DG	136	DH	Y	N	N	MF	14		A
* XLC												
1LAC-XLC1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	CB	98	CH	Y	N	S	N	39		A
1LAC-XLC2	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	CB	98	CH	Y	N	S	N	39		A
1LAC-XLC3	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	CB	116	CH	Y	N	S	N	39		A
1LAC-XLC4	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	CB	116	CH	Y	N	S	N	39		A



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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	-----EQUIPMENT----- SPEC NO.	---LOCATION---			---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	----RPS REF---- ---STATUS--- QUAL INST
			BLDG	ELEV	HTG	SEIS	HYDR			
*****										
SYSTEM LAC										
				*						
XLC				*						
1LAC-XLC5	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	CB	116	CH	Y	N	S	N	39
1LAC-XLC6	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	CB	116	CH	Y	N	S	N	39
1LAC-XLC7	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	CB	70	CH	Y	N	S	N	39
1LAC-XLC8	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	CB	70	CH	Y	N	S	N	39
1LAC-XLC9	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	CB	136	CH	Y	N	S	N	39

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---			---LOADS---			-QUAL METH- TEST	-NAT FREQ- LOWEST	----RRS REF----	
			BLDG	ELEV	MTG	SEIS	HYDR	ANLYS			STATUS---	QUAL INST
*****												
SYSTEM LAD												
* * * * *												
BOP EQUIPMENT												
PNL PANEL												
1LAD-PNL1G1	PANEL BOARDS SQUARE "D" CO.	242.423	DG	98	DH	Y	N	N	MF	14		A
1LAD-PNL1G2	PANEL BOARDS SQUARE "D" CO.	242.423	DG	98	DH	Y	N	N	MF	14		A
* * * * *												
XLG												
1LAD-XLG1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	DG	98	CH	Y	N	S	N	39		A
1LAD-XLG2	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	DG	98	CH	Y	N	S	N	39		A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	-----EQUIPMENT----- SPEC NO.	---LOCATION---			---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	----RRS REF----	
			BLDG	ELEV	MTG	SEIS	HYDR			---STATUS---	QUAL INST

SYSTEM LAF

\*

BOP EQUIPMENT  
PNL PANEL

1LAF-PNL1F1	PANEL BOARDS SQUARE "D" CO.	242.423	FB	95	DW	Y	N	N	MF	14	
1LAF-PNL1F2	PANEL BOARDS SQUARE "D" CO.	242.423	FB	95	DW	Y	N	N	MF	14	A
1LAF-PNL1F3	PANEL BOARDS SQUARE "D" CO.	242.423	FB	95	DW	Y	N	N	MF	14	A
1LAF-PNL1F4	PANEL BOARDS SQUARE "D" CO.	242.423	FB	113	DW	Y	N	N	MF	14	A
1LAF-PNL1F5	PANEL BOARDS SQUARE "D" CO.	242.423	FB	113	DW	Y	N	N	MF	14	A
1LAF-PNL1F6	PANEL BOARDS SQUARE "D" CO.	242.423	FB	113	DW	Y	N	N	MF	14	A
1LAF-PNL1F7	PANEL BOARDS SQUARE "D" CO.	242.423	FB	113	DW	Y	N	N	MF	14	A
1LAF-PNL1F8	PANEL BOARDS SQUARE "D" CO.	242.423	FB	113	DW	Y	N	N	MF	14	A

XLF

\*

1LAF-XLF1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39	
1LAF-XLF2	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39	A
1LAF-XLF3	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39	A
1LAF-XLF4	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39	A
1LAF-XLF5	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39	A
1LAF-XLF6	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39	A
1LAF-XLF7	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39	A

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	EQUIPMENT----- SPEC NO.	---LOCATION--- BLDG ELEV MTG	---LOADS--- SEIS HYDR	-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	----RRS REF---- ---STATUS--- QUAL INST
*****							
SYSTEM LAF							*
XLF							*
1LAF-XLF8	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB 95 CH	Y N S N		39	A

SYSTEM LAF

\*

XLF

\*

1LAF-XLF8

TRANSFORMER  
SOUTHERN TRANSF. CO.

242.131

FB

95

CH

Y

N

S

N

39

A

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV	MTG	SEIS				

\*\*\*\*\*

SYSTEM LAH

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BOP EQUIPMENT  
PNL PANEL

1LAH-PNL1S1	PANEL BOARDS SQUARE "D" CO.	242.423	SW	94	DN	Y	N	N	MF	14	
2LAH-PNL1S1	PANEL BOARDS SQUARE "D" CO.	242.423	SW	94	DN	Y	N	N	MF	14	A

XLS

\*

2LAH-XLS1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	SW	95	CH	Y	N	S	N	39	A
-----------	-------------------------------------	---------	----	----	----	---	---	---	---	----	---

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NO. 3 SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-456

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---
			BLDG	ELEV HTG	SEIS	HYDR			

\*\*\*\*\*

SYSTEM LAP

\*

BOP EQUIPMENT  
PNL PANEL

1LAP-PNL1X1	PANEL BOARDS SQUARE "D" CO.	242.423	AB	95	DW	Y	N	N	MF	14	A
1LAP-PNL1X2	PANEL BOARDS SQUARE "D" CO.	242.423	AB	95	DW	Y	N	N	MF	14	A
1LAP-PNL1X3	PANEL BOARDS SQUARE "D" CO.	242.423	AB	95	DW	Y	N	N	MF	14	A
1LAP-PNL1X4	PANEL BOARDS SQUARE "D" CO.	242.423	AB	95	DW	Y	N	N	MF	14	A
1LAP-PNL1X5	PANEL BOARDS SQUARE "D" CO.	242.423	AB	141	DW	Y	N	N	MF	14	A
1LAP-PNL1X6	PANEL BOARDS SQUARE "D" CO.	242.423	AB	141	DW	Y	N	N	MF	14	A
1LAP-PNL1X7	PANEL BOARDS SQUARE "D" CO.	242.423	AB	141	DW	Y	N	N	MF	14	A
1LAP-PNL1X8	PANEL BOARDS SQUARE "D" CO.	242.423	AB	141	DW	Y	H	N	MF	14	A

XLX

\*

1LAP-XLX1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	95	CH	Y	N	S	N	39	A
1LAP-XLX10	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	95	CH	Y	N	S	N	39	A
1LAP-XLX2	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	95	CH	Y	N	S	N	39	A
1LAP-XLX3	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	95	CH	Y	N	S	N	39	A
1LAP-XLX4	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	95	CH	Y	N	S	N	39	A
1LAP-XLX5	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	141	CH	Y	N	S	N	39	A
1LAP-XLX6	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	141	CH	Y	N	S	N	39	A

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	-----EQUIPMENT----- SPEC NO.	---LOCATION---			---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	----RRS REF---- ---STATUS--- QUAL INST
			BLDG	ELEV	MTG	SEIS	HYDR			
*****										

SYSTEM LAP

\*

XLX

\*

1LAP-XLX7	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	141	CM	Y	N	S	N	39	
1LAP-XLX8	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	141	CM	Y	N	S	N	39	A
1LAP-XLX9	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	95	CM	Y	N	S	N	39	A

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	LOCATION		LOADS		SEIS	HYDR	ANLYS	TEST	-NAT FREQ- LOWEST	---RRS REF--- ---STATUS--- QUAL INST
			BLDG	ELEV	MTG							
*****												
SYSTEM LAR												*
BOP EQUIPMENT												
PNL	PANEL											
1LAR-PNL1R1	PANEL BOARDS SQUARE "D" CO.	242.423	DW	114	DW	Y	Y	N	MF	14		A
1LAR-PNL1R10	PANEL BOARDS SQUARE "D" CO.	242.423	DW	114	DW	Y	Y	N	MF	14		A
1LAR-PNL1R11	PANEL BOARDS SQUARE "D" CO.	242.423	DW	141	DW	Y	Y	N	MF	14		A
1LAR-PNL1R12	PANEL BOARDS SQUARE "D" CO.	242.423	DW	141	DW	Y	Y	N	MF	14		A
1LAR-PNL1R13	PANEL BOARDS SQUARE "D" CO.	242.423	DW	162	DW	Y	Y	N	MF	14		A
1LAR-PNL1R14	PANEL BOARDS SQUARE "D" CO.	242.423	DW	162	DW	Y	Y	N	MF	14		A
1LAR-PNL1R15	PANEL BOARDS SQUARE "D" CO.	242.423	DW	186	DW	Y	Y	N	MF	14		A
1LAR-PNL1R16	PANEL BOARDS SQUARE "D" CO.	242.423	DW	162	DW	Y	Y	N	MF	14		A
1LAR-PNL1R17	PANEL BOARDS SQUARE "D" CO.	242.423	DW	162	DW	Y	Y	N	MF	14		A
1LAR-PNL1R18	PANEL BOARDS SQUARE "D" CO.	242.423	DW	96	DW	Y	Y	N	MF	14		A
1LAR-PNL1R19	PANEL BOARDS SQUARE "D" CO.	242.423	DW	96	DW	Y	Y	N	MF	14		A
1LAR-PNL1R2	PANEL BOARDS SQUARE "D" CO.	242.423	DW	114	DW	Y	Y	N	MF	14		A
1LAR-PNL1R20	PANEL BOARDS SQUARE "D" CO.	242.423	CT	114	DW	Y	Y	N	MF	14		A
1LAR-PNL1R21	PANEL BOARDS SQUARE "D" CO.	242.423	CT	96	DW	Y	Y	N	MF	14		A
1LAR-PNL1R3	PANEL BOARDS SQUARE "D" CO.	242.423	DW	141	DW	Y	Y	N	MF	14		A
1LAR-PNL1R4	PANEL BOARDS SQUARE "D" CO.	242.423	DW	141	DW	Y	Y	N	MF	14		A
1LAR-PNL1R5	PANEL BOARDS SQUARE "D" CO.	242.423	DW	162	DW	Y	Y	N	MF	14		A



JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	EQUIPMENT SPEC NO.	---LOCATION---			---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	---RRS REF---	
			BLDG	ELEV	HTG	SEIS	HYDR			STATUS	QUAL INST
*****											
SYSTEM LAR											
*											
BOP EQUIPMENT											
PNL PANEL											
1LAR-PNL1R6	PANEL BOARDS SQUARE "D" CO.	242.423	DH	162	DH	Y	Y	N	MF	14	
1LAR-PNL1R7	PANEL BOARDS SQUARE "D" CO.	242.423	DH	186	DH	Y	Y	N	MF	14	A
1LAR-PNL1R8	PANEL BOARDS SQUARE "D" CO.	242.423	DH	186	DH	Y	Y	N	MF	14	A
1LAR-PNL1R9	PANEL BOARDS SQUARE "D" CO.	242.423	DH	114	DH	Y	Y	N	MF	14	A
XLR											
*											
1LAR-XLR1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	113	CH	Y	N	S	N	39	
1LAR-XLR10	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	114	CH	Y	N	S	N	39	A
1LAR-XLR11	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	141	CH	Y	N	S	N	39	A
1LAR-XLR12	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	141	CH	Y	N	S	N	39	A
1LAR-XLR13	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	162	CH	Y	N	S	N	39	A
1LAR-XLR14	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	162	CH	Y	H	S	N	39	A
1LAR-XLR15	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	186	CH	Y	N	S	N	39	A
1LAR-XLR16	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39	A
1LAR-XLR17	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	95	CH	Y	N	S	N	39	A
1LAR-XLR18	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CM	Y	N	S	N	39	A
1LAR-XLR19	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	95	CH	Y	N	S	N	39	A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	---STATUS---
*****												
SYSTEM LAR						*						
XLR						*						
1LAR-XLR2	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	114	CH	Y	N	S	N	39		A
1LAR-XLR20	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39		A
1LAR-XLR21	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	114	CH	Y	N	S	N	39		A
1LAR-XLR3	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	141	CH	Y	N	S	N	39		A
1LAR-XLR4	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	141	CH	Y	N	S	N	39		A
1LAR-XLR5	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	186	CH	Y	N	S	N	39		A
1LAR-XLR6	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	186	CH	Y	N	S	N	39		A
1LAR-XLR7	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	186	CH	Y	N	S	N	39		A
1LAR-XLR8	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	106	CH	Y	N	S	N	39		A
1LAR-XLR9	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	114	CH	Y	N	S	N	39		A



JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM LSV LEAKAGE CONTROL - PENETRATION VALVE

MOV MOTOR OPERATED VALVE

1LSV*MOV15B	VALVE H.O. 1"-1500 LB VELAN	228.214	AB	141	LM	Y	N	S	MF	84	NA B
1LSV*MOV16A	VALVE H.O. 1"-1500 LB VELAN	228.214	AB	141	LM	Y	N	S	MF	84	NA B
1LSV*MOV16B	VALVE H.O. 1"-1500 LB VELAN	228.214	AB	141	LM	Y	N	S	MF	84	NA B
1LSV*MOV19A	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141	LM	Y	N	S	MF	78	NA B
1LSV*MOV19B	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141	LM	Y	N	S	MF	78	NA B

PNL PANEL

1LSV*PNL54A	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	AB	141	DW	Y	N	S	NA	101	A
1LSV*PNL54B	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	AB	141	DW	Y	N	S	NA	101	A

PT PRESSURE TRANSHITTER

1LSV*PT10A	PRESS TRANSHITT ROSEMOUNT	247.481				Y	N	NA	MF		B
1LSV*PT10B	PRESS TRANSHITT ROSEMOUNT	247.481				Y	N	NA	MF		B
1LSV*PT12A	PRESS TRANSHITT ROSEMOUNT	247.481				Y	N	NA	MF		B
1LSV*PT12B	PRESS TRANSHITT ROSEMOUNT	247.481				Y	N	NA	MF		B
1LSV*PT14A	PRESS TRANSHITT ROSEMOUNT	247.481				Y	N	NA	MF		B
1LSV*PT14B	PRESS TRANSHITT ROSEMOUNT	247.481				Y	N	NA	MF		B

JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	-----EQUIPMENT----- SPEC NO.	---LOCATION---			---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	----RRS REF----	
			BLDG	ELEV	MTG	SEIS	HYDR			---STATUS---	QUAL
*****											
SYSTEM LSV LEAKAGE CONTROL - PENETRATION VALVE											

## PT PRESSURE TRANSMITTER

1LSV*PT17A	PRESS TRANSHITT ROSEMOUNT	247.481				Y	N	NA	MF		
1LSV*PT17B	PRESS TRANSHITT ROSEMOUNT	247.481				Y	N	NA	MF	B	
1LSV*PT21A	PRESS TRANSHITT ROSEMOUNT	247.481				Y	N	NA	MF	B	
1LSV*PT21B	PRESS TRANSHITT ROSEMOUNT	247.481				Y	N	NA	MF	B	
1LSV*PT22A	PRESS TRANSHITT ROSEMOUNT	247.481				Y	N	NA	MF	B	
1LSV*PT22B	PRESS TRANSHITT ROSEMOUNT	247.481				Y	N	NA	MF	B	Y
1LSV*PT26A	PRESS TRANSHITT ROSEMOUNT	247.481				Y	N	NA	MF	B	Y
1LSV*PT26B	PRESS TRANSHITT ROSEMOUNT	247.481				Y	N	NA	MF	B	
1LSV*PT9A	PRESS TRANSHITT ROSEMOUNT	247.481	FB	148	RM	Y	N	NA	MF	B	Y
1LSV*PT9B	PRESS TRANSHITT ROSEMOUNT	247.481	FB	148	RM	Y	N	NA	MF	B	Y

## PV PRESSURE VALVE

1LSV*PV10A	1"-150# GLOBE COFES VULCAN	247.497	AB	141	LH	Y	N	S	NA	83	NA
1LSV*PV10B	1"-150# GLOBE COFES VULCAN	247.497	AB	141	LH	Y	N	S	NA	83	B

JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---			-QUAL METH-	-NAT FREQ-	----RRS REF----
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS--- QUAL INST
*****											
SYSTEM LSV LEAKAGE CONTROL - PENETRATION VALVE											
RV		*									
ILSV*RV8A	RELIEF VALVES CROSBY	247.521	AB	141	LH	Y	N	S	SO	268	NA B
ILSV*RV8B	RELIEF VALVES CROSBY	247.521	AB	141	LH	Y	N	S	SO	268	NA B
SOVX		*									
ILSV*SOVX26A	VALVE TARGET ROCK	247.501	AB	141	LH	Y	N	S	HF		NA A
ILSV*SOVX26B	VALVE TARGET ROCK	247.501	AB	141	LH	Y	N	S	HF		NA A
SOVY		*									
ILSV*SOVY26A	VALVE TARGET ROCK	247.501	AB	141	LH	Y	N	S	HF		NA A
ILSV*SOVY26B	VALVE TARGET ROCK	247.501	AB	141	LH	Y	N	S	HF		NA A
TIC		*									
ILSV*TIC6B	AIR RECEIVER CT1	221.515	AB	141	CF	Y	N	S	NA	>10	A
TK		*									
ILSV*TK6A	AIR RECEIVER CT1	221.515	AB	141	CF	Y	N	S	NA	27	A

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-958

EQUIP. ID	DESCRIPTION MANUFACTURER	-----EQUIPMENT----- SPEC NO.	---LOCATION---			---LOADS---		-QUAL METH- ANLYS TEST	-NAY FREQ- LOWEST	----RRS REF----
			BLOG	ELEV	HTG	SEIS	HYDR			---

SYSTEM 19HF

\*

BOP EQUIPMENT  
CRN-

\*

19HF-CRN-2

TROLLEY  
WHITING

221.750

FB

146 DM

Y

N

Y

N

7

A

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-456

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-	-NAT FREQ-	----	RRS REF----
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	----STATUS---- QUAL INST
*****											
SYSTEM 18HP						*					
BOP EQUIPMENT											
CRN		*									
18HP-CRNS	MONORAIL SYSTEM WHITING	251.140	AB	141	CF	Y	N	D	N	4	A



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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---			-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS			TEST	LOWEST

SYSTEM MHR

\*

BOP EQUIPMENT  
CRN

\*

1MHR-CRN2	MONORAIL SYSTEM WHITING	251.140	RB	157	CF	Y	Y	D	N	3		
1MHR-CRN3	MONORAIL SYSTEM WHITING	251.140	RB	116	CF	Y	Y	D	N	N	A	D

06/30/84

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---			-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---
	MANUFACTURER									QUAL	INST
*****											

SYSTEM HHH

\*

BOP EQUIPMENT  
CRN

\*

IMHW-CRNCA	MONORAIL SYSTEM WHITING	251.140	CL	163	CF	Y	N	D	N	7	A
IMHW-CRN2B	MONORAIL SYSTEM WHITING	251.140	CL	163	CF	Y	N	D	N	7	A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	-----EQUIPMENT----- SPEC NO.	---LOCATION---			---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	----RRS REF---- ---STATUS--- QUAL INST
			BLDG	ELEV	HTG	SEIS	HYDR			

SYSTEM HSI MAIN STEAM ISOLATION VALVE SEALS

BOP EQUIPMENT  
HOSE

IHSI*HOSE49	FLEX METAL HOSE HTL BELLOWS	247.011				Y	S	MF	10	
IHSI*HOSE50	FLEX METAL HOSE HTL BELLOWS	247.011				Y	S	MF	10	B
IHSI*HOSE51	FLEX METAL HOSE HTL BELLOWS	247.011				Y	S	MF	10	B
IHSI*HOSE52	FLEX METAL HOSE HTL BELLOWS	247.011				Y	S	MF	10	B
IHSI*HOSE55	FLEX METAL HOSE HTL BELLOWS	247.011				Y	S	MF	10	B
IHSI*HOSE57	FLEX METAL HOSE HTL BELLOWS	247.011				Y	S	MF	10	B
IHSI*HOSE58	FLEX METAL HOSE HTL BELLOWS	247.011				Y	S	MF	10	B

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----		
	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	----STATUS----

SYSTEM HSS MAIN STEAM

EOP EQUIPMENT  
HOSE

1HSS*HOSE103	FLEX METAL HOSE HTL BELLONS	247.011				Y		S	MF	10		B
1HSS*HOSE104	FLEX METAL HOSE HTL BELLONS	247.011				Y		S	MF	10		B
1HSS*HOSE113	FLEX METAL HOSE HTL BELLONS	247.011				Y		S	MF	10		B
1HSS*HOSE114	FLEX METAL HOSE HTL BELLONS	247.011				Y		S	MF	10		B
1HSS*HOSE121	FLEX METAL HOSE HTL BELLONS	247.011				Y		S	MF	10		B
1HSS*HOSE122	FLEX METAL HOSE HTL BELLONS	247.011				Y		S	MF	10		B
1HSS*HOSE125	FLEX METAL HOSE HTL BELLONS	247.011				Y		S	MF	10		B
1HSS*HOSE131	FLEX METAL HOSE HTL BELLONS	247.011				Y		HF		10		B
1HSS*HOSE132	FLEX METAL HOSE HTL BELLONS	247.011				Y		S	MF	10		B
1HSS*HOSE139	FLEX METAL HOSE HTL BELLONS	247.011				Y		S	MF	10		B
1HSS*HOSE140	FLEX METAL HOSE HTL BELLONS	247.011				Y		S	MF	10		B
1HSS*HOSE163	FLEX METAL HOSE HTL BELLONS	247.011				Y		S	MF	10		A
1HSS*HOSE164	FLEX METAL HOSE HTL BELLONS	247.011				Y		S	MF	10		A
1HSS*HOSE165	FLEX METAL HOSE HTL BELLONS	247.011				Y		S	MF	10		A
1HSS*HOSE166	FLEX METAL HOSE HTL BELLONS	247.011				Y		S	MF	10		A
1HSS*HOSE173	FLEX METAL HOSE HTL BELLONS	247.011				Y		S	MF	10		10 A
1HSS*HOSE176	FLEX. METAL HOSE HTL BELLONS	247.011				Y		S	MF	10		A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
HSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	-----EQUIPMENT----- SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	----RRS REF----	
			BLDG	ELEV MTG	SEIS	HYDR			---STATUS---	QUAL INST
*****										
SYSTEM HSS MAIN STEAM										
BOP EQUIPMENT										
HOSE										
										*
1HSS*HOSE179	FLEX. METAL HOSE MTL BELLOWS	247.011			Y		S	MF	10	
1HSS*HOSE49	FLEX METAL HOSE MTL BELLOWS	247.011			Y		S	MF	10	A
1HSS*HOSE77	FLEX METAL HOSE MTL BELLOWS	247.011			Y		S	MF	10	B
1HSS*HOSE78	FLEX METAL HOSE MTL BELLOWS	247.011			Y	LTR	S	MF	10	B
1HSS*HOSE95	FLEX METAL HOSE MTL BELLOWS	247.011			Y		S	MF	10	B
1HSS*HOSE96	FLEX METAL HOSE MTL BELLOWS	247.011			Y		S	MF	10	B
RTD RESISTANCE TEMPERATURE RECORDER										
1HSS*RTD10A	THERMOCOUPLES RTD PYCO	247.461	TB	95	Y	N	NA	MF		C
1HSS*RTD10B	THERMOCOUPLES RTD PYCO	247.461	TB	95	Y	N	NA	MF		C
1HSS*RTD10C	THERMOCOUPLES RTD PYCO	247.461	TB	95	Y	N	NA	MF		C
1HSS*RTD10D	THERMOCOUPLES RTD PYCO	247.461	TB	95	Y	N	NA	MF		C

06/30/84

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---
*****												

SYSTEM NHS

\*

BOP EQUIPMENT  
HCC MOTOR CONTROL CENTER

INHS*HCC15A	MOTOR CONTROL CENTERS GOULD, INC.	242.562	DG	98	CF	Y	N	NA	MF	4	2-4,7,12,17,31	B Y
INHS*HCC15B	MOTOR CONTROL CENTERS GOULD, INC.	242.562	DG	98	CF	Y	N	NA	MF	4	2-4,7,12,17,31	B

JOB NAME RES - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-459

EQUIP. ID	DESCRIPTION	MANUFACTURER	EQUIPMENT	SPEC NO.	LOCATION	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOADS	QUAL	METH	NAT	FREQ	RRS	REF	
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

SYSTEM NNS EMERGENCY SWM ELECTRICAL SYSTEM

BOP EQUIPMENT  
SNG SWITCHGEAR

INS#SNG5A SWITCHGEAR  
BROWN-BOVERT

242.521	FB	098	CF	Y	N	N	MF	8													

3,7,12,17  
A Y

JOB NAME PDS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & HEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION	MANUFACTURER	EQUIPMENT	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOADS	QUAL	METH-	NAT	FREQ-	RRS	REF	STATUS	QUAL	INST	
1F0316A	PRESSURE SWITCH DRYER			247.458	NA			RH	Y	N	S	NA										

SYSTEM PDS

BOP EQUIPMENT

1F0316A

PRESSURE SWITCH  
DRYER

247.458

NA

RH

Y

N

S

NA

A



JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	-----EQUIPMENT----- SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LONEST	-----RRS REF-----	
			BLDG	ELEV HTG	SEIS	HYDR			---STATUS---	QUAL INST
*****										
SYSTEM RCP ELECTRICAL PENETRATIONS										
BOP EQUIPMENT										
LVC *										
1RCP*LVC05	ELEC. PENETRATION CONAX	241.211	CT.	148	Y	Y	S	MF	LATER	
1RCP*LVC06	ELEC. PENETRATION CONAX	241.211	CT.	148	Y	Y	S	MF	LATER	B
1RCP*LVC11	ELEC. PENETRATION CONAX	241.211	CT.	121	Y	Y	S	MF	LATER	B
1RCP*LVC11A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER	B
1RCP*LVC18	ELEC. PENETRATION CONAX	241.211	CT.	121	Y	Y	S	MF	LATER	B
1RCP*LVC18A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER	B
1RCP*LVC21	ELEC. PENETRATION CONAX	241.211	CT.	121	Y	Y	S	MF	LATER	B
LVF *										
1RCP*LVF15	ELEC. PENETRATION CONAX	241.211	CT.	121	Y	Y	S	MF	LATER	B
LVI *										
1RCP*LVI05A	ELEC. PENETRATION CONAX	241.211	CT.	144	Y	Y	S	MF	LATER	B
1RCP*LVI06A	ELEC. PENETRATION CONAX	241.211	CT.	144	Y	Y	S	MF	LATER	B
1RCP*LVI10A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER	B
1RCP*LVI12	ELEC. PENETRATION CONAX	241.211	CT.	121	Y	Y	S	MF	LATER	B
1RCP*LVI12A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER	B

JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----		
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST
*****												
SYSTEM RCP ELECTRICAL PENETRATIONS												
LVI *												
1RCP*LVI13A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER			B
1RCP*LVI14	ELEC. PENETRATION CONAX	241.211	CT.	121	Y	Y	S	MF	LATER			B
1RCP*LVI14A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER			B
1RCP*LVI15A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER			B
1RCP*LVI17B	ELEC. PENETRATION CONAX	241.211			Y	Y	S	MF	LATER			B
1RCP*LVI17C	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER			B
1RCP*LVI19A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER			B
1RCP*LVI20A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER			B
1RCP*LVI21A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER			B
LVP *												
1RCP*LVP03	ELEC. PENETRATION CONAX	241.211	CT.	148	Y	Y	S	MF	LATER			B
1RCP*LVP03A	ELEC. PENETRATION CONAX	241.211	CT.	144	Y	Y	S	MF	LATER			B
1RCP*LVP04	ELEC. PENETRATION CONAX	241.211	CT.	148	Y	Y	S	MF	LATER			B
1RCP*LVP04A	ELEC. PENETRATION CONAX	241.211	CT.	144	Y	Y	S	MF	LATER			B
1RCP*LVP07	ELEC. PENETRATION CONAX	241.211	CT.	148	Y	Y	S	MF	LATER			B
1RCP*LVP07A	ELEC. PENETRATION CONAX	241.211	CT.	144	Y	Y	S	MF	LATER			B

JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	-----RRS REF-----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR			ANLYS TEST	LOWEST
*****										
SYSTEM RCP ELECTRICAL PENETRATIONS										
LVP *										
1RCP*LVP08	ELEC. PENETRATION CONAX	241.211	CT.	148	Y	Y	S	HF	LATER	B
1RCP*LVP08A	ELEC. PENETRATION CONAX	241.211	CT.	144	Y	Y	S	HF	LATER	B
1RCP*LVP09	ELEC. PENETRATION CONAX	241.211	CT.	121	Y	Y	S	HF	LATER	B
1RCP*LVP09A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	HF	LATER	B
1RCP*LVP16	ELEC. PENETRATION CONAX	241.211	CT.	121	Y	Y	S	HF	LATER	B
1RCP*LVP16A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	HF	LATER	B
1RCP*LVP22	ELEC. PENETRATION CONAX	241.211	CT.	121	Y	Y	S	HF	LATER	B
1RCP*LVP22A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	HF	LATER	B
MVP *										
1RCP*MVP02	ELEC. PENETRATION CONAX	241.211	CT	133	Y	Y	S	HF	LATER	B
MVPO *										
1RCP*MVPO1	ELEC. PENETRATION CONAX	241.211	12345		Y	Y	S		LATER	B

JOB NAME RES - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCUMENT NO. 50-458

-----EQUIPMENT-----  
 EQUIP. ID      DESCRIPTION      MANUFACTURER      SPEC NO.      BLDG      ELEV      MTG      SEIS      HYDR      ANLYS      TEST      ---LOADS---      ---QUAL METH---      ---NAT FREQ---      ---RPS REF---  
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SYSTEM RCP ELECTRICAL PENETRATIONS

EQUIP. ID	DESCRIPTION	MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	---LOADS---	---QUAL METH---	---NAT FREQ---	---RPS REF---
NIS														
IRCP*NIS10	ELEC. PENETRATION CONAX		241.211	CT.	121	Y	Y	Y	S	S	Y	LATER	B	
IRCP*NIS13	ELEC. PENETRATION CONAX		241.211	CT.	121	Y	Y	Y	S	S	Y	LATER	B	
IRCP*NIS19	ELEC. PENETRATION CONAX		241.211	CT.	121	Y	Y	Y	S	S	Y	LATER	B	
IRCP*NIS20	ELEC. PENETRATION CONAX		241.211	CT.	121	Y	Y	Y	S	S	Y	LATER	B	
TCA														
IRCP*TCA01	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES		242.491	AB	114	CF	Y	N	D	NA	NA	CO	B	Y
IRCP*TCA02	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES		242.491	AB	114	CF	Y	N	D	NA	NA	CO	B	Y
IRCP*TCA03	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES		242.491	AB	114	CF	Y	N	D	NA	NA	CO	B	Y
IRCP*TCA04	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES		242.491	AB	114	CF	Y	N	D	NA	NA	CO	B	Y
IRCP*TCA05	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES		242.491	AB	114	CF	Y	N	D	NA	NA	CO	B	Y
IRCP*TCA06	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES		242.491	AB	114	CF	Y	N	D	NA	NA	CO	B	Y
IRCP*TCA07	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES		242.491	AB	114	CF	Y	N	D	NA	NA	CO	B	Y
IRCP*TCA08	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES		242.491	AB	114	CF	Y	N	D	NA	NA	CO	B	Y
IRCP*TCA09	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES		242.491	AB	114	CF	Y	N	D	NA	NA	CO	B	Y
IRCP*TCA10	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES		242.491	AB	114	CF	Y	N	D	NA	NA	CO	B	Y
IRCP*TCA11	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES		242.491	AB	141	CF	Y	N	D	NA	NA	CO	B	Y

JOB NAME FBS - UNIT 1  
UTILITY GULF STATES  
DOCNET NO. 50-450

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & HEDSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

EQUIP. ID	DESCRIPTION	MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	---LOADS---	---QUAL METH---	---NAT FREQ---	---RRS REF---	---STATUS---	QUAL	INST
*****EQUIPMENT*****																	
SYSTEM RCP ELECTRICAL PENETRATIONS																	
TCA																	
IRCP*TCAL2	TERM. CAB./ELEC. PEN.	POWELL INDUSTRIES	242.491	AB	141	CF	Y	N	D	NA	20					B	Y
IRCP*TCAL3	TERM. CAB./ELEC. PEN.	POWELL INDUSTRIES	242.491	AB	141	CF	Y	N	D	NA	20					B	Y
IRCP*TCAL4	TERM. CAB./ELEC. PEN.	POWELL INDUSTRIES	242.491	AB	141	CF	Y	N	D	NA	20					B	Y
IRCP*TCAL5	TERM. CAB./ELEC. PEN.	POWELL INDUSTRIES	242.491	AB	141	CF	Y	N	D	NA	20					B	Y
IRCP*TCAL6	TERM. CAB./ELEC. PEN.	POWELL INDUSTRIES	242.491	AB	141	CF	Y	N	D	NA	20					B	Y
*****																	
TCF																	
IRCP*TCF01	TERM. CAB./ELEC. PEN.	POWELL INDUSTRIES	242.491	FB	114	CF	Y	N	D	NA	20					B	Y
IRCP*TCF02	TERM. CAB./ELEC. PEN.	POWELL INDUSTRIES	242.491	FB	114	CF	Y	N	D	NA	20					B	Y
IRCP*TCF03	TERM. CAB./ELEC. PEN.	POWELL INDUSTRIES	242.491	FB	114	CF	Y	N	D	NA	20					B	Y
IRCP*TCF04	TERM. CAB./ELEC. PEN.	POWELL INDUSTRIES	242.491	FB	114	CF	Y	N	D	NA	20					B	Y
*****																	
TCR																	
IRCP*TCR01A	TERM. CAB./ELEC. PEN.	POWELL INDUSTRIES	242.491	RB	114	DM	Y	Y	D	NA	20					B	Y
IRCP*TCR01F	TERM. CAB./ELEC. PEN.	POWELL INDUSTRIES	242.491	RB	114	DM	Y	Y	D	NA	20					D	Y
IRCP*TCR010A	TERM. CAB./ELEC. PEN.	POWELL INDUSTRIES	242.491	RB	114	DM	Y	Y	D	NA	20					B	Y
IRCP*TCR02A	TERM. CAB./ELEC. PEN.	POWELL INDUSTRIES	242.491	RB	114	DM	Y	Y	D	NA	20					B	Y

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & NEPSTER  
ISSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLYS	T2ST	LOWEST	---	STATUS---

SYSTEM RCP ELECTRICAL PENETRATIONS

TCR

1RCP*TCR02F	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DH	Y	Y	D	NA	20	B	
1RCP*TCR03A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DH	Y	Y	D	NA	20	B	
1RCP*TCR03F	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DH	Y	Y	D	NA	20	B	Y
1RCP*TCR04A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DH	Y	Y	D	NA	20	B	Y
1RCP*TCR04F	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DH	Y		D	NA	20	B	Y
1RCP*TCR05A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DH	Y	Y	D	NA	20	B	Y
1RCP*TCR06A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DH	Y	Y	D	NA	20	B	Y
1RCP*TCR07A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DH	Y	Y	D	NA	20	B	Y
1RCP*TCR08A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DH	Y	Y	D	NA	20	B	Y
1RCP*TCR09A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DH	Y	Y	D	NA	20	B	Y
1RCP*TCR11A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	141	DH	Y	Y	D	NA	20	B	Y
1RCP*TCR12A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	141	DH	Y	Y	D	NA	20	B	Y
1RCP*TCR13A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	141	DH	Y	Y	D	NA	20	B	Y
1RCP*TCR14A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	141	DH	Y	Y	D	NA	20	B	Y
1RCP*TCR15A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	141	DH	Y	Y	D	NA	20	B	Y
1RCP*TCR16A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	141	DH	Y	Y	D	NA	20	B	Y

JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR			ANLYS	TEST

SYSTEM RCS REACTOR COOLANT

BOP EQUIPMENT  
HOSE

1RCS*HOSE1	FLEX METAL HOSE HTL BELLOWS	247.011				Y		S	MF	10		
1RCS*HOSE105	FLEX METAL HOSE HTL BELLOWS	247.011				Y		S	MF	10		B
1RCS*HOSE108	FLEX METAL HOSE HTL BELLOWS	247.011				Y		S	MF	10		B
1RCS*HOSE124	FLEX METAL HOSE HTL BELLOWS	247.011				Y		S	MF	10		B
1RCS*HOSE125	FLEX METAL HOSE HTL BELLOWS	247.011				Y		S	MF	10		B
1RCS*HOSE2	FLEX METAL HOSE HTL BELLOWS	247.011				Y		S	MF	10		B
1RCS*HOSE3	FLEX METAL HOSE HTL BELLOWS	247.011				Y		S	MF	10		A
1RCS*HOSE4	FLEX METAL HOSE HTL BELLOWS	247.011				Y		S	MF	10		A
1RCS*HOSE5	FLEX METAL HOSE HTL BELLOWS	247.011				Y		S	MF	10		B
1RCS*HOSE6	FLEX METAL HOSE HTL BELLOWS	247.011				Y		S	MF	10		A
1RCS*HOSE7	FLEX METAL HOSE HTL BELLOWS	247.011				Y		S	MF	10		A
1RCS*HOSE8	FLEX METAL HOSE HTL BELLOWS	247.011				Y		S	MF	10		A

MOV MOTOR OPERATED VALVE

1RCS*NOV58A	VALVE H.O. 1"- VELAN	228.216	CT	141	LH	Y	Y	S	MF			NA C
1RCS*NOV58B	VALVE H.O. 1"- VELAN	228.216	CT	141	LH	Y	Y	S	MF			NA C
1RCS*NOV59A	VALVE H.O. 1"- VELAN	228.216	CT	141	LH	Y	Y	S	MF			NA C

06/30/84

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		QUAL METH-	---MAY FREQ---	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOHEST	---STATUS---

\*\*\*\*\*

SYSTEM RCS REACTOR COOLANT

MOV MOTOR OPERATED VALVE

1RCS#MOV59B	VALVE H.O. 1"- VELAN	228.216	CT	141	LH	Y	Y	S	MF		NA C
1RCS#MOV60A	VALVE H.O. 1/2"- VELAN	228.216	CT	070	LH	Y	Y	S		MF	NA C
1RCS#MOV60B	VALVE H.O. 1/2"- VELAN	228.216	CT	070	LH	Y	Y	S	MF		NA C
1RCS#MOV61A	VALVE H.O. 3/4" VELAN	228.216	CT	070	LH	Y	Y	S	MF	46	NA B



JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---
*****												
SYSTEM RHS RESIDUAL HEAT REMOVAL SYSTEM												
BOP EQUIPMENT												
HOSE *												
1RHS*HOSE160	FLEX METAL HOSE MTL BELLONS	247.011				Y		S	MF	10		
1RHS*HOSE161	FLEX METAL HOSE MTL BELLONS	247.011				Y		S	MF	10		B
1RHS*HOSE164	FLEX METAL HOSE MTL BELLONS	247.011				Y		S	MF	10		B
LT LEVEL TRANSMITTER												
1RHS*LT119	PRESS TRANSMITT ROSEHOUNT	247.481	CT	118	RH	Y	Y	NA	MF			B
PDI *												
1RHS-PDI103	DIFF. PPRESS. INDICAT. ITT-BAF:	247.457	AB	70	DW	Y	N	N	MF			A
RV *												
1RHS*RV3A	RELIEF VALVES CROSBY	247.521	AB	106	LH	Y	N	S	SO	123		NA
1RHS*RV3B	RELIEF VALVES CROSBY	247.521	AB	106	LH	Y	N	S	SO	123		B
STR *												
1RHS*STR1A	STRAINER ZURN INDUSTRIES	228.957	CT	70	LH	N	Y	S	N	445		NA
1RHS*STR1B	STRAINER ZURN INDUSTRIES	228.957	CT	70	LH	N	Y	S	N	445		A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-		-NAT FREQ-	-----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	-----STATUS---	QUAL INST
	MANUFACTURER											

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SYSTEM RHS RESIDUAL HEAT REMOVAL SYSTEM

STR		*										
1RHS*STR1C	STRAINER ZURN INDUSTRIES	228.957	CT	70	LH	N	Y	S	N	445	NA A	
TW		*										
1RHS*TW80A	THERMOCOUPLES RTD PYCO	247.461	AB	70			Y	N	NA	HF		C
1RHS*TW80B	THERMOCOUPLES RTD PYCO	247.461	AB	70			Y	N	NA	HF		C
1RHS*TW80C	THERMOCOUPLES RTD PYCO	247.461	AB	70			Y	N	NA	HF		C

JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		---QUAL METH---	---NAT FREQ---	---RRS REF---
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST

\*\*\*\*\*  
QUAL INST  
\*\*\*\*\*

SYSTEM RMS RADIATION MONITORING

BOP EQUIPMENT  
CAB CABINET

1RHS=CAB11A	CABINET GA	247.250	AB	170	CF	Y	N	NA	MF	
1RHS=CAB11B	CABINET GA	247.250	AB	141	CF	Y	N	NA	MF	B
1RHS=CAB111	CABINET GA	247.250	RB	162		Y	Y	NA	MF	B
1RHS=CAB112	CABINET GA	247.250	RB	141		Y	Y	NA	MF	B
1RHS=CAB125	CABINET GA	247.250	AB	70		Y	N	NA	MF	B
1RHS=CAB13A	CABINET GA	247.250	CB	98	CF	Y	N	NA	MF	B
1RHS=CAB13B	CABINET GA	247.250	CB	98	CF	Y	N	NA	MF	B
1RHS=CAB14A	CABINET GA	247.250	TS	94		Y	N	NA	MF	B
1RHS=CAB14B	CABINET GA	247.250	TS	94		Y	N	NA	MF	B
1RHS=CAB15A	CABINET GA	247.250	AB	70		Y	N	NA	MF	B
1RHS=CAB15B	CABINET GA	247.250	AB	95		Y	N	NA	MF	B
1RHS=CAB16A	CABINET GA	247.250	RB	186	DW	Y	Y	NA	MF	B
1RHS=CAB16B	CABINET GA	247.250	RB	186	DW	Y	Y	NA	MF	B
1RHS=CAB20A	CABINET GA	247.250	RB	70	DW	Y	Y	NA	MF	B
1RHS=CAB20B	CABINET GA	247.250	RB	70	DW	Y	Y	NA	MF	B
1RHS=CAB21A	CABINET GA	247.250	RB	70	DW	Y	Y	NA	MF	B
1RHS=CAB21B	CABINET GA	247.250	RB	70	DW	Y	Y	NA	MF	B

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSF SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST

\*\*\*\*\*  
QUAL INST

SYSTEM RBS RADIATION MONITORING

BOP EQUIPMENT  
CAB CABINET

1RMS*CAB5B	CABINET GA	247.250	FB	148	CF	Y	N	NA	MF		B
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RE PRIMARY RADIOACTIVITY ELEMENT

1RMS*RE11A	MONITOR GA	247.250	AB	170	CF	Y	N	NA	MF		B
1RMS*RE11B	MONITOR GA	247.250	AB	141	CF	Y	N	NA	MF		B
1RMS*RE111	MONITOR GA	247.250	CT	141	CF	Y	Y	NA	MF		B
1RMS*RE112	MONITOR GA	247.250	CT	141	CF	Y	Y	NA	MF		B
1RMS*RE125	MONITOR GA	247.250	AB	70		Y	N	NA	MF		B
1RMS*RE13A	MONITOR GA	247.250	CB	98	CF	Y	N	NA	MF		B
1RMS*RE13B	CABINET GA	247.250	CB	98	CF	Y	N	NA	MF		B
1RMS*RE14A	CABINET GA	247.250	TS	94	CF	Y	N	NA	MF		B
1RMS*RE14B	CABINET GA	247.250	TS	94	CF	Y	N	NA	MF		B
1RMS*RE15A	MONITOR GA	247.250	AB	70	CF	Y	N	NA	MF		B
1RMS*RE15B	MONITOR GA	247.250	AB	95	CF	Y	N	NA	MF		B
1RMS*RE16A	MONITOR GA	247.250	CT	186	DW	Y	Y	NA	MF		B
1RMS*RE16B	MONITOR GA	247.250	CT	186	DW	Y	Y	NA	MF		B
1RMS*RE20A	MONITOR GA	247.250	DH	114	DW	Y	Y	NA	MF		B

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR			ANLYS	TEST

SYSTEM RMS RADIATION MONITORING

RE PRIMARY RADIOACTIVITY ELEMENT

1RMS*RE20B	MONITOR GA	247.250	DH	114	DH	Y	Y	NA	MF		
1RMS*RE21A	MONITOR GA	247.250	CT	141	LH	Y	Y	NA	MF		B
1RMS*RE21B	MONITOR GA	247.250	CT	141	LH	Y	Y	NA	MF		B
1RMS*RE5A	MONITOR GA	247.250	FB	148	CF	Y	N	NA	MF		B
1RMS*RE5B	MONITOR GA	247.250	FB	148	CF	Y	N	NA	MF		B

REX

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1RMS*REX125	MONITOR GA	247.250	AB	170		Y	N	NA	MF		
1RMS*REX5A	MONITOR GA	247.250	FB	148	CF	Y	N	NA	MF		B

SMPT

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1RMS*SMPT103	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	AB	141		Y	N	D	NA		4,9,19
1RMS*SMPT11A	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	RB	189	LH	Y	Y	D	N		C
1RMS*SMPT11B	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	RB	189	LH	Y	Y	D	N		D
1RMS*SMPT110	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	AB	141		Y	N	D	NA		4,9,19
1RMS*SMPT12G	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	RB	248	LH	Y	Y	D	N		C
1RMS*SMPT125	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	RB	248	LH	Y	Y	D	N		D

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----	RRS REF----
	DESCRIPTION MANUFACTURER	SPEC NO.	BLOG	ELEV HTG	SEIS	HYDR	ANLYS TEST	LOWEST	----	STATUS---- QUAL INST
*****										

SYSTEM RHS RADIATION MONITORING

SHPT

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1RHS*SHPT14A	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	CB	136	Y	N	D	NA		4,9,19 C
1RHS*SHPT14B	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	CB	136	Y	N	D	NA		4,9,19 D
1RHS*SHPT5A	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	FB	148	Y	N	D	NA		C
1RHS*SHPT5B	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	FB	148	Y	N	D	NA		C



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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR			ANLYS TEST	LOWEST

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SYSTEM RSS

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BOP EQUIPMENT  
PNL PANEL

1RSS*PNL101	CONTROL BOARDS ELECTRO MECHANICS	242.444	CB	98	Y	N	NA	MF	LATER	3 C	Y
1RSS*PNL102	CONTROL BOARDS ELECTRO MECHANICS	242.444	CB	98	Y	N	NA	MF	LATER	8 C	Y





JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOHEST	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR			---STATUS---	QUAL INST
*****										
SYSTEM SCA										
* BOP EQUIPMENT										
PNL PANEL										
1SCA-PNL10A2	PANEL BOARDS SQUARE "D" CO.	242.423	CB	136 DW	Y	N	N	MF	14	A
1SCA-PNL10B2	PANEL BOARDS SQUARE "D" CO.	242.423	CB	116 DW	Y	N	N	MF	14	A
1SCA-PNL15A1	PANEL BOARDS SQUARE "D" CO.	242.423	DG	96 DW	Y	N	N	MF	14	A
1SCA-PNL15B1	PANEL BOARDS SQUARE "D" CO.	242.423	DG	98 DW	Y	N	N	MF	14	A
1SCA-PNL2A1	PANEL BOARDS SQUARE "D" CO.	242.423	DW	114 DW	Y	Y	N	MF	14	A
1SCA-PNL2A2	PANEL BOARDS SQUARE "D" CO.	242.423	AB	141 DW	Y	N	N	MF	14	A
1SCA-PNL2B1	PANEL BOARDS SQUARE "D" CO.	242.423	AB	141 DW	Y	N	N	MF	14	A
1SCA-PNL2C1	PANEL BOARDS SQUARE "D" CO.	242.423	AB	141 DW	Y	N	N	MF	14	A
1SCA-PNL2D1	PANEL BOARDS SQUARE "D" CO.	242.423	DW	114 DW	Y	Y	N	MF	14	A
1SCA-PNL2D2	PANEL BOARDS SQUARE "D" CO.	242.423	AB	114 DW	Y	N	N	MF	14	A
1SCA-PNL2E1	PANEL BOARDS SQUARE "D" CO.	242.423	TB	68 DW	Y	N	N	MF	14	A
1SCA-PNL2F1	PANEL BOARDS SQUARE "D" CO.	242.423	AB	114 DW	Y	N	N	MF	14	A
1SCA-PNL0A1	PANEL BOARDS SQUARE "D" CO.	242.423	FB	95 DW	Y	N	N	MF	14	A
1SCA-PNL0A2	PANEL BOARDS SQUARE "D" CO.	242.423	DW	114 DW	Y	Y	N	MF	14	A
1SCA-PNL0B1	PANEL BOARDS SQUARE "D" CO.	242.423	FB	95 DW	Y	N	N	MF	14	A
1SCA-PNL0B2	PANEL BOARDS SQUARE "D" CO.	242.423	DW	114 DW	Y	Y	N	MF	14	A
1SCA-PNL0C1	PANEL BOARDS SQUARE "D" CO.	242.423	FB	148 DW	Y	N	N	MF	14	A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION----			---LOADS---		-QUAL METH-		-NAT FREQ-	----PRS REF----	
	DESCRIPTION	MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLVS	TEST	LOWEST	----STATUS---

SYSTEM SCA

BOP EQUIPMENT  
PNL PANEL

1SCA-PNL001	PANEL BOARDS SQUARE "D" CO.	242.423	FB	148	DH	Y	N	N	MF	14		A
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XD TRANSFORMER DISTRIBUTION

1SCA-XD15A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	DG	98	CH	Y	N	S	N	39		A
1SCA-XD15B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	DG	98	CH	Y	N	S	N	39		A
1SCA-XD2A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	114	CH	Y	N	S	N	39		A
1SCA-XD2A2	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	141	CH	Y	N	S	N	39		A
1SCA-XD2B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	141	CH	Y	N	S	N	39		A
1SCA-XD2C1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	141	CH	Y	N	S	N	39		A
1SCA-XD2D1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	114	CH	Y	N	S	N	39		A
1SCA-XD2D2	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	114	CH	Y	N	S	N	39		A
1SCA-XD2E1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	141	CH	Y	N	S	N	39		A
1SCA-XD2F1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	141	CH	Y	N	S	N	39		A
1SCA-XD8A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39		A
1SCA-XD8A2	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39		A
1SCA-XD8B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB S	95	CH	Y	N	S	N	39		A
1SCA-XD8B2	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	114	CH	Y	N	S	N	39		A

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	
	MANUFACTURER										QUAL	INST
*****												

SYSTEM SCA

\*

XD TRANSFORMER DISTRIBUTION

ISCA-XD8C1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	143	CH	Y	N	S	N	39		A
ISCA-XD8D1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB S	148	CH	Y	N	S	N	39		A

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLVS	TEST	LOWEST	---STATUS---

\*\*\*\*\*  
QUAL INST  
\*\*\*\*\*

SYSTEM SCI

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BOP EQUIPMENT  
XRC

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1SCI-XRC10A1	TRANSFORMER ELGAR CORP.	244.511	CB	131	DH	Y	N	S	MF	
1SCI-XRC10B1	TRANSFORMER ELGAR CORP.	244.511	CB	131	DH	Y	N	S	MF	D

D  
D

XRC-

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1SCI-XRC-18A1	TRANSFORMER ELGAR CORP.	244.511	AD	125	DH	Y	N	S	MF	
1SCI-XRC-18D1	TRANSFORMER ELGAR CORP.	244.511	AD	125	DH	Y	N	S	MF	D

D  
D



JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---			---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	----RRS REF----	---STATUS---
			BLDG	ELEV	MTG	SEIS	HYDR				
*****											
SYSTEM SCV STA CONT BUS (VITAL) - AC SUPPLY INCL TFHR & TRANS SW											
BOP EQUIPMENT											
PNL	PANEL										
1SCV*PNL14A1	PANEL BOARDS SQUARE "D" CO.	242.421	CB	98	DH	Y	N	NA	SF	3,4,7,9,12,33	C Y
1SCV*PNL14B1	PANEL BOARDS SQUARE "D" CO.	242.421	CB	98	DH	Y	N	NA	SF	3,4,7,9,12,33	C Y
1SCV*PNL15A1	PANEL BOARDS SQUARE "D" CO.	242.421	DG	98	DH	Y	N	NA	SF	3,4,7,9,12,33	C Y
1SCV*PNL15B1	PANEL BOARDS SQUARE "D" CO.	242.421	DG	98	DH	Y	N	NA	SF	3,4,7,9,12,33	C Y
1SCV*PNL16A1	PANEL BOARDS SQUARE "D" CO.	242.421	SH	138	DH	Y	N	NA	SF	3,4,7,9,12,33	C Y
1SCV*PNL16B1	PANEL BOARDS SQUARE "D" CO.	242.421	SH	138	DH	Y	N	NA	SF	3,4,7,9,12,33	C Y
1SCV*PNL2A1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DH	Y	N	NA	SF	3,4,7,9,12,33	C Y
1SCV*PNL2A2	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DH	Y	N	NA	SF	3,4,7,9,12,33	C Y
1SCV*PNL2B1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DH	Y	N	NA	SF	3,4,7,9,12,33	C Y
1SCV*PNL2B2	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DH	Y	N	NA	SF	3,4,7,9,12,33	C Y
1SCV*PNL2C1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DH	Y	N	NA	SF	3,4,7,9,12,33	C Y
1SCV*PNL2D1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DH	Y	N	NA	SF	3,4,7,9,12,33	C Y
1SCV*PNL2E1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	114	DH	Y	N	NA	SF	3,4,7,9,12,33	C Y
1SCV*PNL2F1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	114	DH	Y	N	NA	SF	3,4,7,9,12,33	C Y
1SCV*PNL2G1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	114	DH	Y	N	NA	SF	3,4,7,9,12,33	C Y
1SCV*PNL2H1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	114	DH	Y	N	NA	SF	3,4,7,9,12,33	C Y
1SCV*PNL2J1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DH	Y	N	NA	SF	3,4,7,9,12,33	C Y

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

-----EQUIPMENT----- ---LOCATION--- ---LOADS--- -QUAL METH- -NAT FREQ- ----RRS REF----  
EQUIP. ID DESCRIPTION SPEC NO. BLDG ELEV HTG SEIS HYDR ANLYS TEST LOWEST ---STATUS---  
MANUFACTURER QUAL INST  
\*\*\*\*\*

SYSTEM SCV STA CONT BUS (VITAL) - AC SUPPLY INCL TFMR & TRANS SH

BOP EQUIPMENT  
PNL PANEL

EQUIP. ID	DESCRIPTION	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF
1SCV*PNL2K1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DW	Y	N	NA	SF		3,4,7,9,12,33 C Y
1SCV*PNL2L1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DW	Y	N	NA	SF		3,4,7,9,12,33 C Y
1SCV*PNL6A1	PANEL BOARDS SQUARE "D" CO.	242.421	CB	98	DW	Y	N	NA	SF		3,4,7,9,12,33 C Y
1SCV*PNL6B1	PANEL BOARDS SQUARE "D" CO.	242.421	CB	98	DW	Y	N	NA	SF		3,4,7,9,12,33 C Y
2SCV*PNL16A1	PANEL BOARDS SQUARE "D" CO.	242.421	SH	138	DW	Y	N	NA	SF		3,4,7,9,12,33 C Y
2SCV*PNL16B1	PANEL BOARDS SQUARE "D" CO.	242.421	SH	138	DW	Y	N	NA	SF		3,4,7,9,12,33 C Y

XD TRANSFORMER DISTRIBUTION

EQUIP. ID	DESCRIPTION	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF
1SCV*XD14A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	CB	98	DW	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD14B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	CB	98	DW	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD15A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	DG	98	DW	Y	N	N	SF	32	A
1SCV*XD15B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	DG	98	DW	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD16A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	SH	94	DW	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD16B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	SH	94	DW	Y	N	N	SF	32	A
1SCV*XD2A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD2A2	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD2B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	N	NA	SF	32	3,4,7,12,19,31 A Y



JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---			---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	---RRS REF--- ---STATUS--- QUAL INST	
			BLDG	ELEV	MTG	SEIS	HYDR				
*****											
SYSTEM SCV STA CONT BUS (VITAL) - AC SUPPLY INCL TFMR & TRANS SW											
XD TRANSFORMER DISTRIBUTION											
1SCV*XD2B2	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DH	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD2C1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DH	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD2D1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DH	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD2E1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	114	DH	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD2F1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	114	DH	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD2G1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DH	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD2H1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DH	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD2J1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DH	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD2K1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DH	Y	N	N	SF	32	A Y
1SCV*XD2L1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DH	Y	N	NA	SF	32	3,4,7,13,19,31 A Y
1SCV*XD8A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	CB	98	DH	Y	N	NA	SF	32	3,4,7,13,19,31 A Y
1SCV*XD8B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	CB	98	DH	Y	N	NA	SF	32	3,4,7,13,19,31 A Y
2SCV*XD16A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	SW	94	DH	Y	N	NA	SF	32	3,4,7,13,19,31 A Y
2SCV*XD16B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	SW	94	DH	Y	N	NA	SF	32	3,4,7,13,19,31 A Y

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---
	MANUFACTURER										QUAL INST
*****											

SYSTEM SC1

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BOP EQUIPMENT  
PNL PANEL

1SC1-PNL01	PANEL BOARDS SQUARE "D" CO.	242.423	CB	136	DW	Y	N	N	MF	14	A
1SC1-PNL02	PANEL BOARDS SQUARE "D" CO.	242.423	CB	136	DW	Y	N	N	MF	14	A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	-----EQUIPMENT----- SPEC NO.	---LOCATION---			---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	----RRS REF----	
			BLDG	ELEV	MTG	SEIS	HYDR			STATUS	QUAL INST

SYSTEM SFC SPENT FUEL POOL COOLING AND CLEAN-UP

BOP EQUIPMENT  
E

1SFC+E1A	COOLERS STRUTHERS	223.312	FB	95	CF	Y	N	S	NA	16	
1SFC+E1B	COOLERS STRUTHERS	223.312	FB	95	CF	Y	N	S	NA	16	A

FT FLOW TRANSMITTER

1SFC-FT123	PRESS. TRANSMITTER ROSEMOUNT INC.	247.482	FB	139	DH	Y	N	N	MF	22	A
1SFC-FT19A	PRESS. TRANSMITTER ROSEMOUNT INC.	247.482	FB	73	DH	Y	N	N	MF	22	A
1SFC-FT19B	PRESS. TRANSMITTER ROSEMOUNT INC.	247.482	FB	75	DH	Y	N	N	MF	22	A

MOV MOTOR OPERATED VALVE

1SFC*MOV119	VALVE H.O. 12"-150 LB VELAN	228.216	FB	131	LH	Y	Y	S	MF	85	NA B
1SFC*MOV120	VALVE H.O. 1.5"-150 LB VELAN	228.216	AN	130	LH	Y	Y	S	MF	85	NA B
1SFC*MOV121	VALVE H.O. 8"- VELAN	228.216	FB	113	LH	Y	Y	S	MF		NA C
1SFC*MOV139	VALVE H.O. 8"- VELAN	228.216	AN	130	LH	Y	Y	S	MF		NA C

P PUMP

1SFC*P1A	COOLING PUMP GOULDS PUMPS INC	223.31	FB	70	CF	Y	N	S	NA	72	A
1SFC*P1B	COOLING PUMP GOULDS PUMPS INC.	223.311	FB	70	CF	Y	N	S	NA	72	A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---

SYSTEM SFC SPENT FUEL POOL COOLING AND CLEAN-UP

## PI PRESSURE INDICATOR

1SFC-PI4A	PRESSURE GAUGE DRESSER INDUST.	247.452	OC	LH	Y	NA	N	SF	7		A
1SFC-PI4B	PRESSURE GAUGE DRESSER INDUST.	247.452	OC	LH	Y	NA	N	SF	7		A

## PH \*

1SFC*PH1A	COOLING PUMP GOULDS PUMPS INC	223.311	FB	70	CF	Y	N	S	NA	72	A
1SFC*PH1B	COOLING PUMP GOULDS PUMPS INC.	223.311	FB	70	CF	Y	N	S	NA	72	A

## RTD RESISTANCE TEMPERATURE RECORDER

1SFC*RTD7A	TH THERMOCOUPLES RTD PYCO	247.461	FB	70		Y	N	NA	MF		C
1SFC*RTD7B	THERMOCOUPLES RTD PYCO	247.461	FB	70		Y	N	NA	MF		C

## TH \*

1SFC*TH10A	THERMOCOUPLES RTD PYCO	247.461	FB	85		Y	N	NA	MF		C
1SFC*TH10B	THERMOCOUPLES RTD PYCO	247.461	FB	95		Y	N	NA	MF		C
1SFC*TH5A	THERMOCOUPLES RTD PYCO	247.461	FB	95		Y	N	NA	MF		C
1SFC*TH5B	THERMOCOUPLES RTD PYCO	247.461	FB	95		Y	N	NA	MF		C
1SFC*TH7A	THERMOCOUPLES RTD PYCO	247.461	FB			Y	N	NA	MF		C

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JOB NAME RBJ - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT----- DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
			BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---

\*\*\*\*\*  
SYSTEM SFC SPENT FUEL POOL COOLING AND CLEAN-UP

TH

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1SFC*TH7B	THERMOCOUPLES RTD PYCO	247.461	FB		Y	N	NA	MF			C
1SFC*TH8A	THERMOCOUPLES RTD PYCO	247.461	FB	95	Y	N	NA	MF			C
1SFC*TH8B	THERMOCOUPLES RTD PYCO	247.461	FB	95	Y	N	NA	MF			C

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLOG	ELEV MTG	SEIS	HYDR	ANLYS TEST	LOWEST	---STATUS---	
	MANUFACTURER								QUAL	INST

SYSTEM SFT FUEL TRANSFER

BOP EQUIPMENT  
MOV MOTOR OPERATED VALVE

1SFT-MOV101	VALVE M.O. 1"- VELAN	228.216	FB	070	LM	Y	N	S	MF	NA C
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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS TEST	LOWEST	---STATUS---	
	MANUFACTURER								QUAL	INST

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SYSTEM SLS STANDBY LIQUID CONTROL

BOP EQUIPMENT  
PNL PANEL

1SLS*PNL120	CONTROL BOARDS ELECTRO MECHANICS	242.444	AB	141	Y	N	NA	HF	LATER	4 C
1SLS*PNL121	CONTROL BOARDS ELECTRO MECHANICS	242.444	AB	141	Y	N	S	HF	LATER	4 C

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	
	MANUFACTURER									QUAL	INST

\*\*\*\*\*  
SYSTEM SSR REACTOR PLANT SAMPLING SYSTEM

BOP EQUIPMENT  
SOV SOLENOID VALVE

1SSR*SOV130	VALVE 1/2" TARGET ROCK	247.501	RB	114	LH	Y	Y	S	MF	227	NA B
1SSR*SOV131	VALVE 1/2" TARGET ROCK	247.501	AB	141	LH	Y	Y	S	MF	227	NA B
1SSR*SOV133	VALVE 3/4" TARGET ROCK	247.501	AB	141	LH	Y	Y	S	MF		NA B
1SSR*SOV134	VALVE 3/4" TARGET ROCK	247.501	AB	141	LH	Y	Y	S	MF		NA B
1SSR*SOV139	VALVE 1" TARGET ROCK	247.501	AB	141	LH	Y	Y	S	MF	139	NA B
1SSR*SOV140	VALVE 1" TARGET ROCK	247.501	AB	141	LH	Y	Y	S	MF		NA B



JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST
	MANUFACTURER											

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SYSTEM SVV STEAM VENTS - SAFETY VALVESBOP EQUIPMENT  
NOV MOTOR OPERATED VALVE

1SVV*NOV1A	VALVE H.O. 1.5"-1500 LB VELAN	228.216	AB	141	LM	Y	N	S	MF	61	NA B
1SVV*NOV1B	VALVE H.O. 1.5"-1500 LB VELAN	228.214			LH	Y	N	S	MF	61	NA B

## PNL PANEL

1SVV*PNL101	MONITORING RACK TEC	247.529	CB	136	CF	Y	N	N	MF		B
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## PT PRESSURE TRANSMITTER

1SVV-PT3A	PRESS. TRANSMITTER ROSEMOUNT INC.	247.482	CT	141	RM	Y	Y	N	MF	22	A
1SVV-PT3B	PRESS. TRANSMITTER ROSEMOUNT INC.	247.482	CT	141	RM	Y	Y	N	MF	22	A

## RAK RACK

1SVV*RAK5A	PRE-AMP HOUSING TEC	247.529	RB	114	DH	Y	Y	N	MF		B
1SVV*RAK5B	PRE-AMP HOUSING TEC	247.529	RB	114	DH	Y	Y	N	MF		B
1SVV*RAK5C	PRE-AMP HOUSING TEC	247.529	RB	114	DH	Y	Y	N	MF		B
1SVV*RAK5D	PRE-AMP HOUSING TEC	247.529	RB	114	DH	Y	Y	N	MF		B
1SVV*RAK5E	PRE-AMP HOUSING TEC	247.529	RB	114	DH	Y	Y	N	MF		B
1SVV*RAK5F	PRE-AMP HOUSING TEC	247.529	RB	114	DH	Y	Y	N	MF		B

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-450

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----
			BLDG	ELEV NTG	SEIS	HYDR			

SYSTEM SVV STEAM VENTS - SAFETY VALVES

SOV SOLENOID VALVE

1SVV*SOV20A	VALVE - TARGET ROCK	247.501	RB	114	LH	Y	N	S	MF	NA A
1SVV*SOV20B	VALVE - TARGET ROCK	247.501	RB	114	LH	Y	N	S	MF	NA A
1SVV*SOV21A	VALVE - TARGET ROCK	247.501	RB	114	LH	Y	N	S	MF	NA A
1SVV*SOV21B	VALVE - TARGET ROCK	247.501	RB	114	LH	Y	N	S	MF	NA A
1SVV*SOV22A	VALVE - TARGET ROCK	247.501	RB	114	LH	Y	N	S	MF	NA A
1SVV*SOV22B	VALVE - TARGET ROCK	247.501	RB	114	LH	Y	N	S	MF	NA A

ZE PRIMARY POSITION ELEMENT

1SVV*ZE10A	SENSOR TEC	247.529	RB	114	LH	Y	Y	N	MF	B
1SVV*ZE10B	SENSOR TEC	247.529	RB	114	LH	Y	Y	N	MF	B
1SVV*ZE10C	SENSOR TEC	247.529	RB	114	LH	Y	Y	N	MF	B
1SVV*ZE10D	SENSOR TEC	247.529	RB	114	LH	Y	Y	N	MF	B
1SVV*ZE10E	SENSOR TEC	247.529	RB	114	LH	Y	Y	N	MF	B
1SVV*ZE10F	SENSOR TEC	247.529	RB	114	LH	Y	Y	N	MF	B
1SVV*ZE10G	SENSOR TEC	247.529	RB	114	LH	Y	Y	N	MF	B
1SVV*ZE10H	SENSOR TEC	247.529	RB	114	LH	Y	Y	N	MF	B
1SVV*ZE10J	SENSOR TEC	247.529	RB	114	LH	Y	Y	N	MF	B

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JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. E0-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		---QUAL METH---	---NAT FREQ---	-----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOMEST	-----STATUS---
	MANUFACTURER										QUAL INST

SYSTEM SVV STEAM VENTS - SAFETY VALVES

ZE PRIMARY POSITION ELEMENT

1SVV*ZE10K	SENSOR TEC	247.529	RB	114	LM	Y	Y	N	MF		B
1SVV*ZE10L	SENSOR TEC	247.529	RB	114	LM	Y	Y	N	MF		B
1SVV*ZE10M	SENSOR TEC	247.529	RB	114	LM	Y	Y	N	MF		B
1SVV*ZE10N	SENSOR TEC	247.529	RB	114	LM	Y	Y	N	MF		B
1SVV*ZE10P	SENSOR TEC	247.529	RB	114	LM	Y	Y	N	MF		B
1SVV*ZE10Q	SENSOR TEC	247.529	RB	114	LM	Y	Y	N	MF		B
1SVV*ZE10R	SENSOR TEC	247.529	RB	114	LM	Y	Y	N	MF		B

ZIS \*

1SVV*ZIS10A	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10B	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10C	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10D	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10E	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10F	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10G	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10H	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-	-NAT FREQ-	----	RRS REF----
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	----STATUS---- QUAL INST

SYSTEM SVV STEAM VENTS - SAFETY VALVES

ZIS		*									
1SVV*ZIS10J	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10K	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10L	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
ZISI		*									
1SVV*ZIS10M	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10N	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10O	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10P	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10Q	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10R	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
ZT		*									
1SVV*ZT10A	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF		B
1SVV*ZT10B	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF		B
1SVV*ZT10C	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF		B
1SVV*ZT10D	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF		B

JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST
*****										
SYSTEM SVV STEAM VENTS - SAFETY VALVES										

ZT

1SVV*ZT10E	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	
1SVV*ZT10F	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	B
1SVV*ZT10G	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	B
1SVV*ZT10H	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	S
1SVV*ZT10J	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	B
1SVV*ZT10K	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	B
1SVV*ZT10L	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	B
1SVV*ZT10M	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	B
1SVV*ZT10N	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	B
1SVV*ZT10O	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	B
1SVV*ZT10P	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	B
1SVV*ZT10Q	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	B
1SVV*ZT10R	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	B

06/30/84

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---
	MANUFACTURER										QUAL INST
*****											

SYSTEM SVY

\*

BOP EQUIPMENT  
MOV MOTOR OPERATED VALVE

1SVY*MOV1B	VALVE H.O. 1.5"-1500 LB VELAN	228.216	AB	141	LN	Y	Y	S	61		D
------------	----------------------------------	---------	----	-----	----	---	---	---	----	--	---

JOB NAME RDS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---			---LOADS---			-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	-----RRS REF-----	
			BLDG	ELEV	MTG	SEIS	HYDR	STATUS---			QUAL	INST
*****												
SYSTEM SHP SERVICE WATER												
BOP EQUIPMENT												
AOV AIR OPERATED VALVE												
1SHP*AOV51A	2"-150# GLOBE FISHER CONTROLS	247.491	AB	141	LM	Y	N				NA	
1SHP*AOV51B	2"-150# GLOBE FISHER CONTROLS	247.491	AB	141	LM	Y	N				D	Y
											NA	Y
FN FAN												
1SHP*FN1A	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	
1SHP*FN1B	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SHP*FN1C	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SHP*FN1D	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SHP*FN1E	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SHP*FN1F	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SHP*FN1G	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SHP*FN1H	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SHP*FN1J	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SHP*FN1K	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SHP*FN1L	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SHP*FN1M	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SHP*FN1N	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

-----EQUIPMENT----- ---LOCATION--- ---LOADS--- -QUAL METH- -NAT FREQ- ----RRS REF----  
EQUIP. ID DESCRIPTION SPEC NO. BLDG ELEV MTG SEIS HYDR ANLYS TEST LOWEST ---STATUS---  
MANUFACTURER QUAL INST  
\*\*\*\*\*

SYSTEM SWP SERVICE WATER

FN FAN

EQUIP. ID	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS
1SWP*FN1P	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SWP*FN1Q	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SWP*FN1R	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SWP*FN1S	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SWP*FN1T	AXIVANE FAN JOY MFG	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SWP*FN1U	AXIVANE FAN JOY MFG	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SWP*FN1V	AXIVANE FAN JOY MFG	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B

FT FLOW TRANSMITTER

EQUIP. ID	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS
1SWP*FT59A	PRESS TRANSHITT ROSEMOUNT	247.481	FB	70	RH	Y	N	NA	HF		B	Y
1SWP*FT59B	PRESS TRANSHITT ROSEMOUNT	247.481	FB	70	RH	Y	N	NA	HF		B	Y
1SWP*FT60A	PRESS TRANSHITT ROSEMOUNT	247.481	FB	70	RH	Y	N	NA	HF		B	Y
1SWP*FT60B	PRESS TRANSHITT ROSEMOUNT	247.481	FB	70	RH	Y	N	NA	HF		B	Y
1SWP*FT64A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	95	RH	Y	N	NA	HF		B	Y
1SWP*FT64B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	95	RH	Y	N	NA	HF		B	Y
1SWP*FT69A	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	N	NA	HF		B	Y
1SWP*FT69B	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	N	NA	HF		B	Y



JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT----- DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---			---LOADS---			-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	----RRS REF----	
			BLDG	ELEV	HTG	SEIS	HYDR	STATUS---			QUAL INST	
*****												
SYSTEM SWP SERVICE WATER												
FT FLOW TRANSMITTER												
1SHP*FT69C	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RH	Y	N	NA	MF			
1SHP*FT69D	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RH	Y	N	NA	MF		B	Y
1SHP-FT131	PRESS. TRANSMITTER ROSEMOUNT INC.	247.482	DG	98	RH	Y	N	N	MF	22	B	Y
											A	
HOSE												
1SHP*HOSE667	FLEX METAL HOSE HTL BELLOWS	247.011					Y	S	MF	10		B
LT LEVEL TRANSMITTER												
1SHP*LT164	PRESS TRANSMITT ROSEMOUNT	247.481	SW	118	RH	Y	N	NA	MF			B
1SHP*LT167	PRESS TRANSMITT ROSEMOUNT	247.481	SW	118	RH	Y	N	N	MF			B
MOV MOTOR OPERATED VALVE												
1SHP*MOV171	8"-170# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	58	NA	A
1SHP*MOV172	8"-170# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	58	NA	A
1SHP*MOV173	8"-170# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	58	NA	A
1SHP*MOV174	8"-170# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	58	NA	A
1SHP*MOV27A	6"-150# BUTTERFLY JAMESBURY	228.243	C6	98	LH	Y	N	D	NA	58	NA	A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO 50-458

-----EQUIPMENT----- ---LOCATION--- ---LOADS--- -QUAL METH- -NAT FREQ- ----RRS REF----  
EQUIP. ID DESCRIPTION SPEC NO. BLDG ELEV HTG SEIS HYDR ANLYS TEST LOWEST ---STATUS---  
MANUFACTURER QUAL INST  
\*\*\*\*\*

SYSTEM SWP SERVICE WATER

MOV MOTOR OPERATED VALVE

1SNP#MOV27B	6"-150# BUTTERFLY JAMESBURY	228.243	CB	98	LH	Y	N	D	NA	58	NA A	Y
1SNP#MOV27C	6"-150# BUTTERFLY JAMESBURY	228.243	CB	96	LH	Y	N	D	NA	58	NA A	Y
1SNP#MOV27D	6"-150# BUTTERFLY JAMESBURY	228.243	CB	98	LH	Y	N	D	NA	58	NA A	Y
1SNP#MOV4A	VALVE H.O. 10"-600 LB VELAN	228.212	CT	141	LH	Y	Y	S	HF	58	NA B	Y
1SNP#MOV4B	VALVE H.O. 10"-600 LB VELAN	228.212	CT	141	LH	Y	Y	S	HF	58	NA B	Y
1SNP#MOV40A	18"-155# BUTTERFLY JAMESBURY	228.243	SH		LH	Y	N	D	NA	52	NA A	Y
1SNP#MOV40B	18"-155# BUTTERFLY JAMESBURY	228.243	SH		LH	Y	N	D	NA	52	NA A	Y
1SNP#MOV40C	18"-155# BUTTERFLY JAMESBURY	228.243	SH		LH	Y	N	D	NA	52	NA A	Y
1SNP#MOV40D	18"-155# BUTTERFLY JAMESBURY	228.243	SH		LH	Y	N	D	NA	52	NA A	Y
1SNP#MOV5A	VALVE H.O. 10"-600 LB. VELAN	228.212	CT	141	LH	Y	Y	S	HF	58	NA B	Y
1SNP#MOV5B	VALVE H.O. 10"-600 LB VELAN	228.212	CT	162	LH	Y	Y	S	HF	58	NA B	Y
1SNP#MOV501A	18"-155# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	52	NA A	Y
1SNP#MOV501B	18"-155# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	52	NA A	Y
1SNP#MOV502A	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162	LH	Y	Y	S	HF	54	NA B	Y
1SNP#MOV502B	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162	LH	Y	Y	S	HF	54	NA B	Y
1SNP#MOV503A	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162	LH	Y	Y	S	HF	54	NA B	Y
1SNP#MOV503B	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162	LH	Y	Y	S	HF	54	NA B	Y



JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----		
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	----STATUS---	QUAL INST
*****												
SYSTEM SHP SERVICE WATER												
MOV MOTOR OPERATED VALVE												
1SHP*MOV61B	30"-135# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	>33	NA A	Y
1SHP*MOV73A	VALVE H.O. 4"-150 LB VELAN	228.212	AB	114	LH	Y	N	S	MF	52	NA B	
1SHP*MOV73B	VALVE H.O. 4"-150 LB VELAN	228.212	AB	114	LH	Y	N	S	MF	52	NA B	
1SHP*MOV74A	VALVE H.O. 4"-150 LB VELAN	228.212	AB	114	LH	Y	N	S	MF	52	NA B	
1SHP*MOV74B	VALVE H.O. 4"-150 LB VELAN	228.212	AB	114	LH	Y	N	S	MF	52	NA B	
1SHP*MOV77A	8"-155# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	58	NA A	Y
1SHP*MOV77B	8"-155# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	58	NA A	Y
1SHP*MOV81A	VALVE H.O. 12"-300 LB VELAN	228.212	AB	114	LH	Y	Y	S	MF	79	NA B	Y
1SHP*MOV81B	VALVE H.O. 12"-300 LB VELAN	228.212	AB	141	LH	Y	Y	S	MF	79	NA B	Y
1SHP*MOV96A	8"-155# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	58	NA A	Y
1SHP*MOV96B	8"-155# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	58	NA A	Y
P PUMP												
1SHP*P2A	WATER PUMP HAYWARD TYLER CO	232.920	SH	118	CF	Y	N	S	N	26	31 A	Y
1SHP*P2B	WATER PUMP HAYWARD TYLER CO	232.920	SH	118	CF	Y	N	S	N	26	31 A	Y
1SHP*P2C	WATER PUMP HAYWARD TYLER CO	232.920	SH	118	CF	Y	N	S	N	26	31 A	Y
1SHP*P2D	WATER PUMP HAYWARD TYLER CO	232.920	SH	118	CF	Y	N	S	N	26	31 A	

JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		SPEC NO.	---LOCATION---		---LOADS---			-QUAL METH-	-NAT FREQ-	----RRS REF----		
	DESCRIPTION MANUFACTURER			BLDG	ELEV	MTG	SEIS	HYDR			ANLYS	TEST	LOWEST
*****													
SYSTEM SHP SERVICE WATER													
P PUMP													
1SHP*P3A	CENTRIFUGAL PUMPS GOLD PUMPS		237.160	CB	98	CF	Y	N	S	NA	33	2,7 A	Y
1SHP*P3B	CENTRIFUGAL PUMPS GOLD PUMPS		237.160	CB	98	CF	Y	N	S	NA	33	2,7 A	Y
1SHP*P3C	CENTRIFUGAL PUMPS GOLD PUMPS		237.160	CB	98	CF	Y	N	S	NA	33	2,7 A	Y
1SHP*P3D	CENTRIFUGAL PUMPS GOLD PUMPS		237.160	CB	98	CF	Y	N	S	NA	33	2,7 A	Y
PI PRESSURE INDICATOR													
1SHP-PI28A	PRESSURE GAUGE DRESSER INDUST.		247.452	OC		LH	Y	NA	N	SF	7	A	
1SHP-PI28B	PRESSURE GAUGE DRESSER INDUST.		247.452	OC		LH	Y	NA	N	SF	7	A	
1SHP-PI28C	PRESSURE GAUGE DRESSER INDUST.		247.452	OC		LH	Y	NA	N	SF	7	A	
1SHP-PI28D	PRESSURE GAUGE DRESSER INDUST.		247.452	OC		LH	Y	NA	N	SF	7	A	
1SHP-PI29A	PRESSURE GAUGE DRESSER INDUST.		247.452	OC		LH	Y	NA	N	SF	7	A	
1SHP-PI29B	PRESSURE GAUGE DRESSER INDUST.		247.452	OC		LH	Y	NA	N	SF	7	A	
PT PRESSURE TRANSMITTER													
1SHP*PT21A	PRESS TRANSMITT ROSEMOUNT		247.481	PT		RH	Y	N	NA	MF		B	Y
1SHP*PT21B	PRESS TRANSMITT ROSEMOUNT		247.481	PT		RH	Y	N	NA	MF		B	Y
1SHP*PT21C	PRESS TRANSMITT ROSEMOUNT		247.481	PT		RH	Y	N	NA	MF		B	Y

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST

SYSTEM SWP SERVICE WATER

PT PRESSURE TRANSMITTER

1SHP*PT21D	PRESS TRANSHITT ROSEMOUNT	247.481	PT		RM	Y	N	NA	MF		B	Y
1SHP*PT21E	PRESS TRANSHITT ROSEMOUNT	247.481	PT		RM	Y	N	NA	MF		B	Y
1SHP*PT21F	PRESS TRANSHITT ROSEMOUNT	247.481	PT		RM	Y	N	NA	MF		B	Y
1SHP*PT21G	PRESS TRANSHITT ROSEMOUNT	247.481	PT		RM	Y	N	NA	MF		B	Y
1SHP*PT21H	PRESS TRANSHITT ROSEMOUNT	247.481	PT		RM	Y	N	NA	MF		B	Y
1SHP*PT32A	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	MF		B	Y
1SHP*PT32B	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	MF		B	Y
1SHP*PT32C	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	MF		B	Y
1SHP*PT32D	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	MF		B	Y
1SHP*PT50A	PRESS TRANSHITT ROSEMOUNT	247.481	SW	118	RM	Y	N	NA	MF		B	Y
1SHP*PT50B	PRESS TRANSHITT ROSEMOUNT	247.481	SW	118	RM	Y	N	NA	MF		B	

PVX

1SHP*PVX32A	3"-150# GLOBE COPEX VULCAN	247.497	CB	98	LH	Y	N	S	NA	81	NA B	Y
1SHP*PVX32B	3"-150# GLOBE COPEX VULCAN	247.497	CB	98	LH	Y	N	S	NA	81	NA B	Y
1SHP*PVX32C	3"-150# GLOBE COPEX VULCAN	247.497	CB	98	LH	Y	N	S	NA	81	NA B	Y
1SHP*PVX32D	3"-150# GLOBE COPEX VULCAN	247.497	CB	98	LH	Y	N	S	NA	81	NA B	Y

JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT----- DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---			---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	----RRS REF----		
			BLDG	ELEV	MTG	SEIS	HYDR			STATUS---	QUAL INST	
*****												
SYSTEM SHP SERVICE WATER												
PVY *												
1SHP*PVY32A	3"-150# GLOBE COPEL VULCAN	247.497	CB	98	LH	Y	N	S	NA	86	NA B	Y
1SHP*PVY32B	3"-150# GLOBE COPEL VULCAN	247.497	CB	98	LH	Y	N	S	NA	86	NA B	Y
1SHP*PVY32C	3"-150# GLOBE COPEL VULCAN	247.497	CB	98	LH	Y	N	S	NA	86	NA B	Y
1SHP*PVY32D	3"-150# GLOBE COPEL VULCAN	247.497	CB	98	LH	Y	N	S	NA	86	NA B	Y
RTD RESISTANCE TEMPERATURE RECORDER												
1SHP*RTD31A	THERMOCOUPLES RTD PYCO	247.461	SH	86		Y	N	NA	HF			C
1SHP*RTD31B	THERMOCOUPLES RTD PYCO	247.461	SH	36		Y	N	NA	HF			C
RV *												
1SHP*RV119	RELIEF VALVES CROSBY	247.521	AB	142	LH	Y	N	S	SO	157	NA B	
1SHP*RV133	RELIEF VALVES CROSBY	247.521	DG	98	LH	Y	N	S	SO	157	NA B	
1SHP*RV140	RELIEF VALVES CROSBY	247.521	RB	151	LH	Y	Y	S	SO	157	NA B	
1SHP*RV49A	RELIEF VALVES CROSBY	247.521	AB	141	LH	Y	N	S	SO	157	NA B	
1SHP*RV49B	RELIEF VALVES CROSBY	247.521	AD	141	LH	Y	N	S	SO	157	NA B	
1SHP*RV79A	RELIEF VALVES CROSBY	247.521	DG	98	LH	Y	N	S	SO	157	NA B	
1SHP*RV79B	RELIEF VALVES CROSBY	247.521	DG	98	LH	Y	N	S	SO	157	NA B	

JOB NAME RBS - UNIT 1  
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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	----RRS REF----		
			BLDG	ELEV HTG	SEIS	HYDR			---STATUS---	QUAL INST	
*****											
SYSTEM SHP	SERVICE WATER										
RV		*									
1SHP*RV91A	RELIEF VALVES CROSBY	247.521	CB	98	LH	Y	N	S	SO	157	NA B
1SHP*RV91B	RELIEF VALVES CROSBY	247.521	CB	98	LH	Y	N	S	SO	157	NA B
1SHP*RV91C	RELIEF VALVES CROSBY	247.521	CB	98	LH	Y	N	S	SO	157	NA B
1SHP*RV91D	RELIEF VALVES CROSBY	247.521	CB	98	LH	Y	N	S	SO	157	NA B
1SHP-RV92A	RELIEF VALVE CROSBY	247.524	FB	166	LH	Y	N	S	NA	>33	A
1SHP-RV92B	RELIEF VALVE CROSBY	247.524	RW	166	LH	Y	N	S	NA	>33	A
1SHP-RV92C	RELIEF VALVE CROSBY	247.524	RW	166	LH	Y	N	S	NA	>33	A
TH		*									
1SHP*TH107	THERMOCOUPLES RTD PYCO	247.461		107		Y	N	NA	MF		C
1SHP*TH132	THERMOCOUPLES RTD PYCO	247.461	CB	106		Y	N	NA	MF		C
1SHP*TH31A	THERMOCOUPLES RTD PYCO	247.461	CL	86		Y	N	NA	MF		C
1SHP*TH31B	THERMOCOUPLES RTD PYCO	247.461	CL	86		Y	N	NA	MF		C
1SHP*TH72A	THERMOCOUPLES RTD PYCO	247.461	CL	94		Y	N	NA	MF		C
1SHP*TH72B	THERMOCOUPLES RTD PYCO	247.461	CL	94		Y	N	NA	MF		C
1SHP*TH78A	THERMOCOUPLES RTD PYCO	247.461	CB	102		Y	N	NA	MF		C
1SHP*TH78B	THERMOCOUPLES RTD PYCO	247.461	CB	102		Y	N	NA	MF		C



JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-958

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---
*****												
SYSTEM SWP SERVICE WATER												
TW												
	*											
1SNP*TW93A	THERMOCOUPLES RTD PYCO	247.461	CL	94		Y	N	NA	MF			
1SNP*TW93B	THERMOCOUPLES RTD PYCO	247.461	CL	94		Y	N	NA	MF			C
1SNP*TW94A	THERMOCOUPLES RTD PYCO	247.461	CL	94		Y	N	NA	MF			C
1SNP*TW94B	THERMOCOUPLES RTD PYCO		CL	94		Y	N	NA	MF			C
TWR												
	*											
1SNP*TW91	JOY MFG	232.530										
V												
	*											
1SNP*V328	30" - BUTTERFLY JAMESBURY	228.243			LH	Y	N	D	NA	13		NA A
1SNP*V353	30" - BUTTERFLY JAMESBURY	228.243			LH	Y	N	D	NA	13		NA A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----		
			BLDG	ELEV MTG	SEIS	HYDR			ANLYS	TEST	LOHEST
*****											
SYSTEM VBN											
* BOP EQUIPMENT											
PNL PANEL											
1VBN-PNL01A1	PANEL BOARDS SQUARE "D" CO.	242.423	CB	136	DH	Y	N	N	MF	14	A
1VBN-PNL01B1	PANEL BOARDS SQUARE "D" CO.	242.423	CB	136	DH	Y	N	N	MF	14	A
1VBN-PNL02	PANEL BOARDS SQUARE "D" CO.	242.423	CB	136	DH	Y	N	N	MF	14	A
* TRS											
1VBN-TRS01A	BYPASS SWITCH ELGAR CORP.	244.511	NS	98	CF	Y	N	N	MF	7.3	A
1VBN-TRS01B	BYPASS SWITCH ELGAR CORP.	244.511	NS	98	CF	Y	N	N	MF	7.3	A
1VBN-TRS02	BYPASS SWITCH ELGAR CORP.	244.511	CB	116	CF	Y	N	N	MF	7.3	A
1VBN-TRS04	BYPASS SWITCH ELGAR CORP.	244.511	AD	110	CF	Y	N	N	MF	7.3	A
* XRC											
1VBN-XRC10A1	TRANSFORMER ELGAR CORP.	244.511	CB	116	CF	Y	N	N	MF	7.3	A
1VBN-XRC1801	TRANSFORMER ELGAR CORP.	244.511	AD	110	CF	Y	N	N	MF	7.3	A
1VBN-XRC20C1	TRANSFORMER ELGAR CORP.	244.511	NS	98	CF	Y	N	N	MF	7.3	A
1VBN-XRC20D1	TRANSFORMER ELGAR CORP.	244.511	NS	98	CF	Y	N	N	MF	7.3	A

JOB NAME RBS - UNIT 1  
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT----- DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---			---LOADS---		-QUAL METH-	-NAT FREQ-	-----RRS REF-----
			BLDG	ELEV	MTG	SEIS	HYDR			
*****										
SYSTEM VBS VITAL BUS SYSTEM (INCOMING SUPPLY FROM INVERTER)										
BOP EQUIPMENT										
PNL PANEL										
1VBS*PNL01A	PANEL BOARDS SQUARE "D" CO.	242.421	CB	136	DW	Y	N	NA	SF	3,4,7,9,12,33
1VBS*PNL01B	PANEL BOARDS SQUARE "D" CO.	242.421	CB	136	DW	Y	N	NA	SF	C Y 3,4,7,9,12,33 C Y
TRS *										
1VBS*TRS01A	SWITCH ELGAR CORP.	244.512	CB	116	CF	Y	N	NA	MF	8,9 C
1VBS*TRS01B	SWITCH ELGAR CORP.	244.512	CB	116	CF	Y	N	NA	MF	8,9 C
XRC *										
1VBS*XRC14A1	TRANSFORMER ELGAR CORP.	244.512	CB	116	CF	Y	N	NA	MF	8,9 C
1VBS*XRC14B1	TRANSFORMER ELGAR CORP.	244.512	CB	116	CF	Y	N	NA	MF	8,9 C

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSF SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---			---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV	HTG	SEIS	HYDR				
*****											
SYSTEM NCS REACTOR WATER CLEAN-UP											
BOP EQUIPMENT											
HOSE *											
INCS*HOSE1	FLEX METAL HOSE MTL BELLOWS	247.011				Y		S	MF	10	A
INCS*HOSE2	FLEX METAL HOSE MTL BELLOWS	247.011				Y		S	MF	10	A
INCS*HOSE3	FLEX METAL HOSE MTL BELLOWS	247.011				Y		S	MF	10	B
INCS*HOSE4	FLEX METAL HOSE MTL BELLOWS	247.011				Y		S	MF	10	A
MOV MOTOR OPERATED VALVE											
INCS*MOV111	VALVE H.O. 4"-60 LB VELAN	228.212	AB	114	LH	Y	Y	S	MF	52	NA B Y
INCS*MOV172	VALVE H.O. 25" VELAN	228.212	AB	114	LH	Y	Y				NA D Y
INCS*MOV173	VALVE H.O. 2.5" VELAN	228.212	AB	114	LH	Y	Y				NA D Y
INCS*MOV178	VALVE H.O. 2.5" VELAN	228.212	CT	141	LH	Y	Y	S			NA D Y
RV *											
INCS*RV144	RELIEF VALVES CROSSBY	247.521	RB	141	LH	Y	Y	S	SO	333	NA D B
INCS*RV154	RELIEF VALVES CROSSBY	247.521	RB	147	LH	Y	Y	S	SO	157	NA B

06/30/84

JOB NAME RBS - UNIT 1  
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT  
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER  
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SLIS	HYDR	ANLVS	TEST	LOWEST

SYSTEM HTL

\*

BOP EQUIPMENT  
MOV MOTOR OPERATED VALVE

1HTL*MOV12A	VALVE M.O. 2"- VELAN	228.216	094	LH	Y	N	S	MF		NA C
1HTL*MOV12B	VALVE M.O. 2"- VELAN	228.216	099	LH	Y	N	S	MF		NA C
1HTL*MOV12C	VALVE M.O. 2"- VELAN	228.216	094	LH	Y	N	S	MF		NA C

\*\*\*\*\* FT06 TYPE 1 251 FIELDS WERE PRINTED AS INVALID, MISSING OR OVERFLOW.  
\*\*\*\*\* FT03 TYPE 0 END OF REPORT.

\*\*\*\*\* M204 TYPE 0 NUMBER OF MESSAGES PRINTED IS 3.  
SORTOUT - 2343 RECORDS INPUT  
FINAL - 1 RECORDS INPUT  
A - 7521 RECORDS OUTPUT  
\*\*\*\*\* M209 TYPE 0 375680 BYTES OF MAIN STORAGE UNUSED DURING REPORTING PHASE





Enclosure 3

RBS

Required Response Spectra

Five (5) packages are provided each made up as follows:

1. Reference RRS numbers 1 through 34 -  
Seismic OBE and SSE RRS for Auxiliary, Control, Diesel Generator, Fuel, Turbine, Pipe Tunnels 1 and 2, Standby Service Water Pumphouse and Cooling Tower Buildings.
2. Reference RRS numbers 35 through 68-  
Seismic/Hydrodynamic upset and faulted for the Reactor Building.
3. Reference RRS numbers 69 through 101-  
Seismic OBE and SSE for the Reactor Building.
4. Reference RRS numbers 102 through 134 -  
SRV envelope for the Reactor Building.
5. Reference RRS numbers 135 through 167 -  
Chugging for the Reactor Building.