



ARKANSAS POWER & LIGHT COMPANY
POST OFFICE BOX 551 LITTLE ROCK, ARKANSAS 72203 (501) 371-4000

To ADM/DMB:

PDR
LPDR
NSIC
ADM/TIDS
ADM/RSB

January 14, 1981

1-011-10

Mr. K. V. Seyfrit, Director
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Comm.
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011



SUBJECT: Arkansas Nuclear One - Unit 1
Docket No. 50-313
License No. DPR-51
I E Bulletin 79-01B, Supplement No. 3
Environmental Qualification of Class
IE Electrical Equipment
(File: 1510.6)

Gentlemen:

Supplement No. 3 to IE Bulletin 79-01B requires that information be provided on the environmental qualification of electrical equipment needed to achieve cold shutdown, and presently installed TMI Action Plan equipment by February 1, 1981. However, by our letter dated January 2, 1981, AP&L committed to provide this information by January 15, 1981. Enclosure 1 contains the requested information for Arkansas Nuclear One - Unit 1.

TMI Action Plan items not presently installed will be addressed at a later date in accordance with the provisions of Supplement No. 3. As stated in our letter of October 8, 1980, and again in our letter of January 2, 1981, AP&L does not feel that all equipment addressed by Supplement No. 3 need be fully qualified.

Very truly yours,

David C. Trimble

David C. Trimble
Manager, Licensing

DCT:DRH:lp

Enclosures

Q 8104280 144

Mr. K. V. Seyfrit, Director

- 2 -

January 13, 1981

cc: U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Division of Reactor Operation Inspection
Washington, D.C. 20555

STATE OF ARKANSAS)
) SS
COUNTY OF PULASKI)

I, DAVID C. TRIMBLE, being duly sworn, subscribe to and say that I am the Manager of the Licensing Section, for Arkansas Power & Light Company; that I have full authority to execute this oath; that I have read the foregoing APL Letter #1-011-10 and know the contents thereof; and that to the best of my knowledge, information and belief the statements made in it are true.

David C. Trimble
DAVID C. TRIMBLE

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for the County and State above named, this 14th day of January, 1981.

Sharon Kay Hendrix
NOTARY PUBLIC

MY COMMISSION EXPIRES:

My Commission Expires 9/1/81

ENCLOSURE 1

COMPONENT LIST
&
COMPONENT DATA SHEETS

COMPONENTS (TMI)

Rev.

PLANT IDENTIFICATION NUMBER	GENERIC NAME	LOCATION	
		INSIDE PRIMARY CONTAINMENT	OUTSIDE PRIMARY CONTAINMENT
VBE-1000A	Accelerometer	X	
VBE-1000B	Accelerometer	X	
VBE-1001A	Accelerometer	X	
VBE-1001B	Accelerometer	X	
VBE-1002A	Accelerometer	X	
VBE-1002B	Accelerometer	X	
VBY-1000A	Pre-Amplifier	X	
VBY-1000B	Pre-Amplifier	X	
VBY-1001A	Pre-Amplifier	X	
VBY-1001B	Pre-Amplifier	X	
VBY-1002A	Pre-Amplifier	X	
VBY-1002B	Pre-Amplifier	X	
	(All above components are part of the acoustic monitoring system for Pressurizer safety relief valves PSV-1000, 1001, 1002)		
Endevco EJ34	Cable Coupler*	X	
Endevco 3075M6	Cable*	X	
	*(Part of the pressu- rizer safety relief valve acoustic moni- toring system)		

COMPONENTS (Cold Shutdown)

Rev.

PLANT IDENTIFICATION NUMBER	GENERIC NAME	LOCATION	
		INSIDE PRIMARY CONTAINMENT	OUTSIDE PRIMARY CONTAINMENT
TE-1016	Reactor Coolant Loop A Cold Leg Wide Range Temp. Element	X	
TE-1017	Reactor Coolant Loop A Cold Leg Wide Range Temp. Element	X	
TE-1045	Reactor Coolant Loop B Cold Leg Wide Range Temp. Element	X	
TE-1047	Reactor Coolant Loop B Cold Leg Wide Range Temp. Element	X	

COMPONENTS (Cold Shutdown)

Rev.

PLANT IDENTIFICATION NUMBER	GENERIC NAME	LOCATION	
		INSIDE PRIMARY CONTAINMENT	OUTSIDE PRIMARY CONTAINMENT
CV-1410	Decay Heat from Reactor Coolant Block Valve	X	
ZS-1410	Decay Heat from Reactor Coolant Block Valve Position Switch	X	

SYSTEM COMPONENT EVALUATION WORKSHEET (I&E BULLETIN 79-01B)	ANO UNIT <u>X 11</u> <u>12</u>	SYSTEM <u>Reactor Coolant</u>	IDENT. NO. <u>VBE-1000A</u>
	<u>X</u> INCONTAINMENT OUT OF CONTAINMENT	PLID <u>M- 230</u>	COMPONENT <u>Accelerometer</u>

DATA	ENVIRONMENT			DOCUMENTATION REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
MANUFACTURER	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.		
Endevco	OPERATING TIME	30 Days	Note 1		Note 1	Note 1	Note 1
MODEL <u>X</u> OR TYPE	TEMP. (°F)	See Attachment #1 to AP&L submittal dated October 31, 1980	"	Calculation supplied by BPC to D.C. Trimble via BLG 1217 dated 2/22/80	"	"	"
FUNCTION	PRESSURE (PSI)	"	"		"	"	"
Accelerometer	RELATIVE HUMIDITY (%)	100%	"		"	"	"
ACCURACY: <u>X</u> SPEC <u> </u> DEMO <u> </u>	CHEMICAL SPRAY	Steam/Air Boric Acid	"		"	"	"
SERVICE: Part of Acoustic Monitor for PSV- 1000	RADIATION	3.0 x 10 ⁷ Rads γ 1.1 x 10 ⁸ Rads β	"	Note 2	"	"	"
FLOOD LEVEL <u>X</u> ABOVE <u> </u> BELOW <u> </u>	AGING	40 years	"		"	"	"
OTHER ROOM <u>X</u> N/A	SUBMERGENCE	not	"		"	"	"
E1. 386'							

REFERENCES: (1) Qualification and Documentation in progress
(2) NUS Report 1957-SA-A3

SYSTEM COMPONENT EVALUATION WORKSHEET (IAE BULLETIN 79-01B)		ANO UNIT <u>X</u> #1 <u> </u> #2	SYSTEM <u>Reactor Coolant</u>	IDENT. NO. <u>VBE-1000B</u>
		<u>X</u> INCONTAINMENT <u> </u> OUT OF CONTAINMENT	P&ID <u>H-230</u>	COMPONENT <u>Accelerometer</u>

DATA	ENVIRONMENT			DOCUMENTATION REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
MANUFACTURER	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.		
Endevco	OPERATING TIME	30 Days	Note 1		Note 1	Note 1	Note 1
MODEL <u>X</u> or TYPE 2273AN20	TEMP. (°F)	See Attachment #1 to AP&L submittal dated October 31, 1980	"	Calculation supplied by BPC to D.C. Trimble via BLG 1217 dated 2/22/80	"	"	"
FUNCTION Accelerometer	PRESSURE (PSI)	See Attachment #1 to AP&L Submittal dated October 31, 1980	"		"	"	"
ACCURACY: <u> </u> SPEC <u> </u> DEMO <u> </u>	RELATIVE HUMIDITY (%)	100%	"		"	"	"
SERVICE: Part of Acoustic Monitor for PSV-1000	CHEMICAL SPRAY	Steam/Air Boric Acid	"		"	"	"
FLOOD LEVEL <u>X</u> ABOVE <u> </u> BELOW	RADIATION	3.0 x 10 ⁷ Rads y 1.1 x 10 ⁸ Rads B	"	Note 2	"	"	"
OTHER ROOM # <u>N/A</u>	AGING	40 years	"		"	"	"
EL. 386'	SUBMERGENCE	N/A	"		"	"	"

REFERENCES: (1) Qualification and Documentation in Progress
(2) NUS Report 1957-SA-A3

SYSTEM COMPONENT EVALUATION WORKSHEET (IAE BULLETIN 79-01B)		ANO UNIT <u>X1</u> <u>12</u>		SYSTEM <u>Reactor Coolant</u>		IDENT. NO. <u>VBE-1001A</u>	
		<u>X</u> INCONTAINMENT OUT OF CONTAINMENT		P&ID <u>H-230</u>		COMPONENT <u>Accelerometer</u>	

DATA	ENVIRONMENT			DOCUMENTATION REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
MANUFACTURER	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.		
Endevco	OPERATING TIME	30 Days	Note 1		Note 1	Note 1	Note 1
MODEL <u>X</u> or TYPE 2273AH20	TEMP. (°F)	See Attachment #1 to AP&L Submittal dated October 31, 1980	"	Calculation supplied by BPC to D.C. Trimble	"	"	"
FUNCTION Accelerometer	PRESSURE (PSI)	See Attachment #1 to AP&L submittal dated October 31, 1980	"	via BLG 1217 dated 2/22/80	"	"	"
ACCURACY: <u>?</u> SPEC DEMO	RELATIVE HUMIDITY (%)	100%	"		"	"	"
SERVICE: Part of Acoustic Monitor for PSV-1001	CHEMICAL SPRAY	Steam/Air Boric Acid	"		"	"	"
FLOOD LEVEL <u>X</u> ABOVE <u>BELOW</u>	RADIATION	3.0 x 10 ⁷ Rads γ 1.1 x 10 ⁸ Rads β	"	Note 2	"	"	"
OTHER ROOM: <u>?</u> N/A E1. 386'	AGING	40 years	"		"	"	"
	SUBMERGENCE	N/A	"		"	"	"

POOR ORIGINAL

REFERENCES: (1) Qualification and Documentation in Progress
(2) NUS Report 1957-SA-A3

SYSTEM COMPONENT EVALUATION WORKSHEET (I&E BULLETIN 79-01B)	AND UNIT <u>X</u> #1 <u> </u> #2 <u> </u> <u>X</u> INCONTAINMENT <u> </u> OUT OF CONTAINMENT	SYSTEM <u>Reactor Coolant</u> P&ID <u>M-230</u>	IDENT. NO. <u>VBE-1001B</u> COMPONENT <u>Accelerometer</u>
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DATA	ENVIRONMENT			DOCUMENTATION REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
MANUFACTURER	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.		
Endevco	OPERATING TIME	30 Days	Note 1		Note 1	Note 1	Note 1
MODEL <u>X</u> or TYPE 2273AM20	TEMP. (°F)	See Attachment #1 to AP&L Submittal dated October 31, 1980	POOR ORIGINAL	Calculation supplied by BPC to D.C. Trimble via BLG 1217 dated 2/22/80	"	"	"
FUNCTION Accelerometer	PRESSURE (PSI)	See Attachment #1 to AP&L submittal dated October 31, 1980			"	"	"
ACCURACY: <u> </u> % SPEC <u> </u> DEMO <u> </u>	RELATIVE HUMIDITY (%)	100%			"	"	"
SERVICE: Part of Acoustic Monitor for PSV-1001	CHEMICAL SPRAY	Steam/Air Boric Acid			"	"	"
FLOOD LEVEL <u>X</u> ABOVE <u> </u> BELOW	RADIATION	3.0 x 10 ⁷ Rads γ 1.1 x 10 ⁸ Rads β		Note 2	"	"	"
OTHER ROOM: # N/A EL. 386'	AGING	40 years	"		"	"	"
	SUBMERGENCE	N/A	"		"	"	"

REFERENCES: (1) Qualification and Documentation in Progress
(2) NUS Report 1957-SA-A3

SYSTEM COMPONENT EVALUATION WORKSHEET (I&E BULLETIN 79-01B)	AND UNIT <u>X11</u> <u>#2</u> ☒ INCONTAINMENT ☐ OUT OF CONTAINMENT	SYSTEM <u>Reactor Coolant</u> P&ID <u>M-230</u>	IDENT. NO. <u>VBE-1002A</u> COMPONENT <u>Accelerometer</u>
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DATA	ENVIRONMENT			DOCUMENTATION REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
MANUFACTURER	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.		
Endevco	OPERATING TIME	30 Days	Note 1		Note 1	Note 1	Note 1
MODEL <u>X</u> or TYPE 2273AM20	TEMP. (°F)	See Attachment #1 to AP&L Submittal dated October 31, 1980	"	Calculation supplied by BPC to D.C. Trimble	"	"	"
FUNCTION Accelerometer	PRESSURE (PSI)	See Attachment #1 to AP&L submittal dated October 31, 1980	"	via BLG 1217 dated 2/22/80	"	"	"
ACCURACY: <u>2</u> SPEC DEMO	RELATIVE HUMIDITY (%)	100%	"		"	"	"
SERVICE: Part of Acoustic Monitor for PSV- 1002	CHEMICAL SPRAY	Steam/Air Boric Acid	"		"	"	"
FLOOD LEVEL <u>X</u> ABOVE <u>BELOW</u>	RADIATION	3.0 x 10 ⁷ Rads γ 1.1 x 10 ⁸ Rads β	"	Note 2	"	"	"
OTHER ROOM: <u>N/A</u> EL. 386'	AGING	40 years	"		"	"	"
	SUBMERGENCE	N/A	"		"	"	"

POOR ORIGINAL

REFERENCES: (1) Qualification and Documentation in Progress
(2) NUS report 1957-SA-A3

SYSTEM COMPONENT EVALUATION WORKSHEET (I&E BULLETIN 79-01B)		ANO UNIT <u>X11</u> <u>#2</u>	SYSTEM <u>Reactor Coolant</u>	IDENT. NO. <u>VBE-1002B</u>
		<u>X</u> INCONTAINMENT OUT OF CONTAINMENT	PLID <u>H- 230</u>	COMPONENT <u>Accelerometer</u>

DATA	ENVIRONMENT			DOCUMENTATION REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
MANUFACTURER	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.		
Endevco	OPERATING TIME	30 Days	Note 1		Note 1	Note 1	Note 1
MODEL <u>X</u> or TYPE 2273AM20	TEMP. (°F)	See Attachment #1 to AP&L Submittal dated October 31, 1980	"	Calculation supplied by BPC to D.C. Trimble	"	"	"
FUNCTION Accelerometer	PRESSURE (PSI)	See Attachment #1 to AP&L Submittal dated October 31, 1980	"	via BLG 1217 dated 2/22/80	"	"	"
ACCURACY: <u>3</u> SPEC DEMO	RELATIVE HUMIDITY (%)	100%	POOR ORIGINAL		"	"	"
SERVICE: Part of Acoustic Monitor for PSV- 1002	CHEMICAL SPRAY	Steam/Air Boric Acid			"	"	"
FLOOD LEVEL <u>X</u> ABOVE BELOW	RADIATION	3.0 x 10 ⁷ Rads γ 1.1 x 10 ⁸ Rads β		Note 2	"	"	"
OTHER	AGING	40 years			"	"	"
ROOM: <u>3</u> N/A EL. 386'	SUBMERGENCE	N/A			"	"	"

REFERENCES: (1) Qualification and Documentation in Progress
(2) NUS Report 1957-SA-A3

SYSTEM COMPONENT EVALUATION WORKSHEET (I&E BULLETIN 79-01B)	AND UNIT <u>X</u> <u>1</u> <u>2</u> <u>X</u> INCONTAINMENT OUT OF CONTAINMENT	SYSTEM <u>Reactor Coolant</u> P&ID <u>M- 230</u>	IDENT. NO. <u>VBY-1000A</u> COMPONENT <u>Preamplifier</u>
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DATA	ENVIRONMENT			DOCUMENTATION REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
MANUFACTURER	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.		
Unholtz Dickie	OPERATING TIME	30 Days	Note 1		Note 1	Note 1	Note 1
MODEL <u>X</u> or TYPE 22CA-2TR	TEMP. (°F)	See Attachment #1 to AP&L Submittal dated October 31, 1980	"	Calculation supplied by BPC to D.C. Trimble	"	"	"
FUNCTION Preamplifier	PRESSURE (PSI)	See Attachment #1 to AP&L submittal dated October 31, 1980	"	via BLG 1217 dated 2/22/80	"	"	"
ACCURACY: % SPEC _____ DEMO _____	RELATIVE HUMIDITY (%)	100%	POOR ORIGINAL		"	"	"
SERVICE: Part of Acoustic Monitor for PSV-1000	CHEMICAL SPRAY	Steam/Air Boric Acid			"	"	"
FLOOD LEVEL <u>X</u> ABOVE <u>BELOW</u>	RADIATION	3.0 x 10 ⁷ Rads γ 1.1 x 10 ⁸ Rads β		Note 2	"	"	"
OTHER ROOM # N/A EL. 386'	AGING	40 years			"	"	"
	SUBMERGENCE	N/A			"	"	"

REFERENCES: (1) Qualifications and Documentation in Progress
 (2) NUS Report 1957-SA-A3

SYSTEM COMPONENT EVALUATION WORKSHEET (I&E BULLETIN 79-01B)		ANO UNIT <u>X #1</u> <u>#2</u> <u>X</u> INCONTAINMENT OUT OF CONTAINMENT	SYSTEM <u>Reactor Coolant</u> P&ID <u>M- 230</u>	IDENT. NO. <u>VBY-1000B</u> COMPONENT <u>Preamplifier</u>
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DATA	ENVIRONMENT			DOCUMENTATION REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
MANUFACTURER	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.		
Unholtz Dickie	OPERATING TIME	30 Days	Note 1		Note 1	Note 1	Note 1
MODEL. XorTYPE 22CA-2TR	TEMP. (°F)	See Attachment #1 to AP&L Submittal dated October 31, 1980	"	Calculation supplied by BPC to D.C. Trimble	"	"	"
FUNCTION Preamplifier	PRESSURE (PSI)	See Attachment #1 to AP&L Submittal dated October 31, 1980	"	via BLG 1217 dated 2/22/80	"	"	"
ACCURACY: % SPEC DEMO	RELATIVE HUMIDITY (%)	100%	"		"	"	"
SERVICE: Part of Acoustic Monitor for PSV-1000	CHEMICAL SPRAY	Steam/Air Boric Acid	"		"	"	"
FLOOD LEVEL X ABOVE BELOW	RADIATION	3.0 x 10 ⁷ Rads γ 1.1 x 10 ⁸ Rads β	"	Note 2	"	"	"
OTHER ROOM # N/A EL. 386'	AGING	40 years	"		"	"	"
	SUBMERGENCE	N/A	"		"	"	"

POOR ORIGINAL

REFERENCES: (1) Qualifications and Documentation in Progress
(2) NUS Report 1957-SA-A3

SYSTEM COMPONENT EVALUATION WORKSHEET (I&E BULLETIN 79-01B)	ANO UNIT <u>X</u> #1 <u> </u> #2 <u> </u> <u>X</u> INCONTAINMENT OUT OF CONTAINMENT	SYSTEM <u>Reactor Coolant</u> PAID <u>M- 230</u>	IDENT. NO. <u>VRV-1001A</u> COMPONENT <u>Preamplifier</u>
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DATA	ENVIRONMENT			DOCUMENTATION REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
MANUFACTURER	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.		
Unholtz Dickie	OPERATING TIME	30 Days	Note 1		Note 1	Note 1	Note 1
MODEL <u>X</u> or TYPE 22CA-2TR	TEMP. (°F)	See Attachment #1 to AP&L Submittal dated October 31, 1980	"	Calculation supplied by BPC to D.C. Trimble via BLG	"	"	"
FUNCTION Preamplifier	PRESSURE (PSI)	See Attachment #1 to AP&L Submittal dated October 31, 1980	"	1217 dated 2/22/80	"	"	"
ACCURACY: <u> </u> SPEC <u> </u> DEMO <u> </u>	RELATIVE HUMIDITY (%)	100%	POOR ORIGINAL		"	"	"
SERVICE: Part of Acoustic Monitor for PSV-1001	CHEMICAL SPRAY	Steam/Air Boric Acid			"	"	"
FLOOD LEVEL <u>X</u> ABOVE <u> </u> BELOW <u> </u>	RADIATION	3.0 x 10 ⁷ Rads γ 1.1 x 10 ⁸ Rads β		Note 2	"	"	"
OTHER	AGING	40 years			"	"	"
ROOM # <u>N/A</u> EL. 386'	SUBMERGENCE	N/A			"	"	"

REFERENCES: (1) Qualifications and Documentation in Progress
(2) NUS Report 1957-SA-A3

SYSTEM COMPONENT EVALUATION WORKSHEET (IAE BULLETIN 79-01B)		AND UNIT <u>X</u> #1 <u> </u> #2	SYSTEM <u>Reactor Coolant</u>	IDENT. NO. <u>VBY-1001B</u>
		<u>X</u> INCONTAINMENT OUT OF CONTAINMENT	PAID <u>M- 230</u>	COMPONENT <u>Preamplifier</u>

DATA	ENVIRONMENT			DOCUMENTATION REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
MANUFACTURER	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.		
Unholtz Dickie	OPERATING TIME	30 Days	Note 1		Note 1	Note 1	Note 1
MODEL X or TYPE 22CA-2TR	TEMP. (°F)	See Attachment #1 to AP&L Submittal dated October 31, 1980	"	Calculation supplied by BPC to D.C. Trimble	"	"	"
FUNCTION Preamplifier	PRESSURE (PSI)	See Attachment #1 to AP&L submittal dated October 31, 1980	"	via BLG 1217 dated 2/22/80	"	"	"
ACCURACY: ? SPEC DEMO	RELATIVE HUMIDITY (%)	100%	POOR ORIGINAL		"	"	"
SERVICE: Part of Acoustic Monitor for PSV-100J	CHEMICAL SPRAY	Steam/Air Boric Acid			"	"	"
FLOOD LEVEL X ABOVE BELOW	RADIATION	3.0 x 10 ⁷ Rads γ 1.1 x 10 ⁸ Rads β		Note 2	"	"	"
OTHER	AGING	40 years			"	"	"
ROOM # N/A EL. 386'	SUBMERGENCE	N/A			"	"	"

REFERENCES: (1) Qualifications and Documentation in Progress
(2) NUS Report 1957-SA-A3

SYSTEM COMPONENT EVALUATION WORKSHEET (I&E BULLETIN 79-01B)	ANO UNIT <u>X</u> #1 <u> </u> #2 <u> </u> <u>X</u> INCONTAINMENT OUT OF CONTAINMENT	SYSTEM <u>Reactor Coolant</u> PAID <u>M- 230</u>	IDENT. NO. <u>VBY-1002A</u> COMPONENT <u>Preamplifier</u>
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DATA	ENVIRONMENT			DOCUMENTATION REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
MANUFACTURER	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.		
Unholtz Dickie	OPERATING TIME	30 Days	Note 1		Note 1	Note 1	Note 1
MODEL <u>X</u> or TYPE 22CA-2TR	TEMP. (°F)	See Attachment #1 to AP&L Submittal dated October 31, 1980	"	Calculation supplied by BPC to D.C. Trimble	"	"	"
FUNCTION Preamplifier	PRESSURE (PSI)	See Attachment #1 to AP&L Submittal dated October 31, 1980	"	via BLG 1217 dated 2/22/80	"	"	"
ACCURACY: % SPEC DEMO	RELATIVE HUMIDITY (%)	100%	POOR ORIGINAL		"	"	"
SERVICE: Part of Acoustic Monitor for PSV-1002	CHEMICAL SPRAY	Steam/Air Boric Acid			"	"	"
FLOOD LEVEL <u>X</u> ABOVE <u> </u> BELOW	RADIATION	3.0 x 10 ⁷ Rads γ 1.1 x 10 ⁸ Rads β		Note 2	"	"	"
OTHER	AGING	40 years			"	"	"
ROOM # <u>N/A</u> EL. <u>386'</u>	SUBMERGENCE	N/A			"	"	"

REFERENCES: (1) Qualifications and Documentation in Progress
(2) NUS Report 1957-SA-A3

SYSTEM COMPONENT EVALUATION WORKSHEET (I&E BULLETIN 79-01B)		AND UNIT <u>X</u> #1 <u> </u> #2 <u> </u> X INCONTAINMENT <u> </u> OUT OF CONTAINMENT		SYSTEM <u>Reactor Coolant</u> PAID <u>M- 230</u>		IDENT. NO. <u>VBY-1002B</u> COMPONENT <u>Preamplifier</u>	
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DATA	ENVIRONMENT			DOCUMENTATION REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
MANUFACTURER	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.		
Unholtz Dickie	OPERATING TIME	30 Days	Note 1		Note 1	Note 1	Note 1
MODEL <u>X</u> or TYPE 22CA-2TR	TEMP. (°F)	See Attachment #1 to AP&L Submittal dated October 31, 1980	"	Calculation supplied by BPC to D.C. Trimble	"	"	"
FUNCTION Preamplifier	PRESSURE (PSI)	See Attachment #1 to AP&L submittal dated October 31, 1980	"	via BLG 1217 dated 2/22/80	"	"	"
ACCURACY: <u> </u> SPEC <u> </u> DEMO <u> </u>	RELATIVE HUMIDITY (%)	100%	POOR ORIGINAL		"	"	"
SERVICE: Part of Acoustic Monitor for PSV-1002	CHEMICAL SPRAY	Steam/Air Boric Acid			"	"	"
FLOOD LEVEL <u> </u> ABOVE <u> </u> BELOW	RADIATION	3.0 x 10 ⁷ Rads γ 1.1 x 10 ⁸ Rads β		Note 2	"	"	"
OTHER	AGING	40 years			"	"	"
ROOM # <u>N/A</u> EL. 386'	SUBMERGENCE	N/A			"	"	"

REFERENCES: (1) Qualifications and Documentation in Progress
(2) NUS Report 1957-SA-A3

SYSTEM COMPONENT EVALUATION WORKSHEET (1&E BULLETIN 79-01B)		AND UNIT <u>X</u> #1 <u> </u> #2		SYSTEM <u>Reactor Coolant</u>		IDENT. NO. <u>Generic</u>	
		<u>X</u> INCONTAINMENT <u> </u> OUT OF CONTAINMENT		P&ID <u>M- 230</u>		COMPONENT <u>Cable Coupler</u>	

DATA	ENVIRONMENT			DOCUMENTATION REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
MANUFACTURER	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.		
Endevco	OPERATING TIME	30 Days	Note 1		Note 1	Note 1	Note 1
MODEL <u>X</u> or TYPE <u> </u> E134	TEMP. (°F)	See Attachment #1 to AP&L Submittal dated October 31, 1980	"	Calculation supplied by BPC to D.C. Trimble	"	"	"
FUNCTION Cable Coupler Generic	PRESSURE (PSI)	See Attachment #1 to AP&L submittal dated October 31, 1980	"	via BLG 1217 dated 2/22/80	"	"	"
ACCURACY: % SPEC <u> </u> DEMO <u> </u>	RELATIVE HUMIDITY (%)	100%	POOR ORIGINAL		"	"	"
Part of Acoustic SERVICE: Monitor for Pressurizer Safety Relief Valve	CHEMICAL SPRAY	Steam/Air Boric Acid			"	"	"
FLOOD LEVEL <u>X</u> ABOVE <u> </u> BELOW <u> </u>	RADIATION	3.0 x 10 ⁷ Rads γ 1.1 x 10 ⁸ Rads β		Note 2	"	"	"
OTHER	AGING	40 years			"	"	"
ROOM # <u>N/A</u> EL. <u>386'</u>	SUBMERGENCE	N/A			"	"	"

REFERENCES: (1) Qualification and Documentation in Progress
(2) NUS Report 1357-SA-A3

SYSTEM COMPONENT EVALUATION WORKSHEET (I&E BULLETIN 79-010)		ARO UNIT <u>X</u> #1 <u> </u> #2 X INCONTAINMENT OUT OF CONTAINMENT		SYSTEM <u>Reactor Coolant</u> PLID <u>M- 230</u>		IDENT. NO. <u>Generic</u> COMPONENT <u>Cable</u>	
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DATA	ENVIRONMENT			DOCUMENTATION REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
MANUFACTURER	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.		
Endevco	OPERATING TIME	30 Days	Note 1		Note 1	Note 1	Note 1
MODEL <u>X</u> or TYPE 3075M6-0.068" O.D. Hardline Cable	TEMP. (°F)	See Attachment #1 to AP&L Submittal dated October 31, 1980	"	Calculation supplied by BPC to D.C. Trimble via BLG	"	"	"
FUNCTION Signal	PRESSURE (PSI)	See Attachment #1 to AP&L submittal dated October 31, 1980	"	1217 dated 2/22/80	"	"	"
ACCURACY: % SPEC _____ DEMO _____	RELATIVE HUMIDITY (%)	100%	POOR ORIGINAL		"	"	"
Generic Part of SERVICE: Acoustic Monitor for Pressurizer Safety Valves	CHEMICAL SPRAY	Steam/Air Boric Acid			"	"	"
FLOOD LEVEL X ABOVE BELOW	RADIATION	3.0 x 10 ⁷ Rads γ 1.1 x 10 ⁸ Rads β		Note 2	"	"	"
OTHER ROOM # N/A EL. 386'	AGING	40 years			"	"	"
	SUBMERGENCE	N/A			"	"	"

REFERENCES: (1) Qualification and Documentation in Progress
(2) NUS Report 1957-SA-A3

SYSTEM COMPONENT EVALUATION WORKSHEET (I&E BULLETIN 79-01B)	ANO UNIT <u>X</u> #1 <u> </u> #2 <u> </u> <u>X</u> INCONTAINMENT <u> </u> OUT OF CONTAINMENT	SYSTEM <u>Reactor Coolant</u> P&ID <u>M-230</u>	IDENT. NO. <u>TE-1016</u> COMPONENT <u>Temperature Element</u>
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DATA	ENVIRONMENT			DOCUMENTATION REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
MANUFACTURER	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.		
Rosemount	OPERATING TIME	(ont.	Dont.	6600-M 0001 B&W Spec. NNI 1048	58-03 72-00 B&W 1000-3 A 4 Note 1	Simultaneous	None
MODEL <u>X</u> or TYPE <u> </u> RTD-177GY	TEMP. (°F)	See profile Attachment 1 <i>Oct. 31, 1980 Submitted</i>	325°	Calc. Sup- plied by BPC to D.C. Trimble 2/22/80 via BLG-1217			
FUNCTION For Cold Shutdown	PRESSURE (PSI)	"	60 psig				
ACCURACY: % SPEC <u> </u> DEMO <u> </u>	RELATIVE HUMIDITY (%)	100%	100%				
SERVICE: R.C. Loop a Cold Leg Wide Range Temp.	CHEMICAL SPRAY	Steam, Air Chemical	None	Steam Air Chemical Note 3	None	Note 4	Yes
FLOOD LEVEL ABOVE <u>X</u> BELOW <u> </u>	RADIATION	2.8 x 10 ⁷ _γ 1.1 x 10 ⁸ _β	28 x 10 ⁸	Note 2	58-03 7200 B&W 1000- 3A4 Note 1	Sequential	None
OTHER ROOM # EL 336'	AGING	40 Year	Note 4	Note 4	Note 4	Note 4	Yes
	SUBMERGENCE	9 ft.	Note 4	Note 3	Note 4	Note 4	Yes

REFERENCES: (1) Qualification for Accident Conditions by Similarity to 104AFP
(2) NUS Report 1957-SA-A3
(3) Cable entrance seal being investigated
(4) Information requested

SYSTEM COMPONENT EVALUATION WORKSHEET (I&E BULLETIN 79-01B)	ANO UNIT <u>X</u> #1 <u> </u> #2 <u> </u>	SYSTEM <u>Reactor Coolant</u>	IDENT. NO. <u>TE-1017</u>
	<u>X</u> INCONTAINMENT <u> </u> OUT OF CONTAINMENT	P&ID <u>M-230</u>	COMPONENT <u>Temperature Element</u>

DATA	ENVIRONMENT			DOCUMENTATION REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
MANUFACTURER	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.		
osemount	OPERATING TIME	Cont.	Dont.	6600-M 0001 B&W Spec. NNI 1048	58-03 72-00 B&W 1000-3 A 4 Note 1	Simultaneous	None
MODEL <u>X</u> or TYPE <u> </u> TD-177GY	TEMP. (°F)	See profile Attachment 1 <i>Oct. 31, 1980 Submittal</i>	325°	Calc. Supplied by BPC to D.C. Trimble 2/22/80 via BLG-1217			
FUNCTION or Cold Shutdown	PRESSURE (PSI)	"	60 psig				
ACCURACY: % SPEC <u> </u> DEMO <u> </u>	RELATIVE HUMIDITY (%)	100%	100%				
SERVICE: R.C. loop a Cold Leg Wide Range Temp.	CHEMICAL SPRAY	Steam, Air Chemical	None	Steam Air Chemical Note 3	None	Note 4	Yes
FLOOD LEVEL ABOVE <u>X</u> BELOW <u> </u>	RADIATION	2.9 x 10 ⁷ _Y 1.1 x 10 ⁸ _B	28 x 10 ⁸	Note 2	58-03 7200 B&W 1000-3A4 Note 1	Sequential	None
OTHER ROOM # L 336'	AGING	40 Year	Note 4	Note 4	Note 4	Note 4	Yes
	SUBMERGENCE	9 ft.	Note 4	Note 3	Note 4	Note 4	Yes

POOR ORIGINAL

- REFERENCES:
- (1) Qualification for Accident Conditions by Similarity to 104AFP
 - (2) NUS Report 1957-SA-A3
 - (3) Cable entrance seal being investigated
 - (4) Information requested

SYSTEM COMPONENT EVALUATION WORKSHEET (I&E BULLETIN 79-01B)	AND UNIT <u>X</u> #1 <u> </u> #2 <u>X</u> INCONTAINMENT <u> </u> OUT OF CONTAINMENT	SYSTEM <u>Reactor Coolant</u> IDENT. NO. <u>TE-1045</u> P&ID <u>M-230</u> COMPONENT <u>Temperature</u> <u> </u> <u>Element</u>
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DATA	ENVIRONMENT			DOCUMENTATION REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
MANUFACTURER	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.		
Rosemount	OPERATING TIME	Cont.	Cont.	6600-M 0001 B&W Spec. NNI 1048	58-03 72-00 B&W 1000-3 A 4 Note 1	Simultaneous	None
MODEL <u>X</u> or TYPE <u> </u> RTD 177GY	TEMP. (°F)	See profile Attachment 1 <i>Oct. 31, 1980 Submittal</i>	325°	Calc. Sup- plied by BPC to D. C. Trimble 2/22/80 via			
FUNCTION For Cold Shutdown	PRESSURE (PSI)	"	60 psig	BLG-1217			
ACCURACY: % SPEC #5 DEMO #3	RELATIVE HUMIDITY (%)	100%	100%				
SERVICE: R.C. Loop B Cold Leg Wide Range Temp.	CHEMICAL SPRAY	Steam, Air Chemical	None	Steam Air Chemical Note 3	None	Note 4	Yes
FLOOD LEVEL ABOVE <u>X</u> BELOW <u> </u>	RADIATION	2.8 x 10 ⁷ γ 1.1 x 10 ⁸ β	28 x 10 ⁸	Note 2	58-03 7200 B&W 1000- 3A4 Note 1	Sequential	None
OTHER ROOM # EL 336'	AGING	40 year	Note 4	Note 4	Note 4	Note 4	Yes
	SUBMERGENCE	9 ft.	Note 4	Note 3	Note 4	Note 4	Yes

POOR ORIGINAL

- REFERENCES:
- (1) Qualification for Accident Conditions by Similarity to 104AFP
 - (2) NUS Report 1957-SA-A3
 - (3) Cable entrance seal being investigated
 - (4) Information requested

SYSTEM COMPONENT EVALUATION WORKSHEET (I&E BULLETIN 79-01B)		ANO UNIT <u>X</u> #1 <u> </u> #2 <u> </u>		SYSTEM <u>Reactor Coolant</u>		IDENT. NO. <u>TE-1047</u>	
		<u>X</u> INCONTAINMENT <u> </u> OUT OF CONTAINMENT		P&ID <u>M-230</u>		COMPONENT <u>Temperature</u> <u>Element</u>	
DATA	ENVIRONMENT			DOCUMENTATION REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
MANUFACTURER Rosemount	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.		
	OPERATING TIME	Cont.	Dont.	6600-M 0001 B&W Spec. NNI 1048	58-03 72-00 B&W 1000-3 A 4 Note 1	Simultaneous	None
MODEL <u>X</u> or TYPE <u> </u> RTD-177GY	TEMP. (°F)	See profile Attachment 1 <i>Att. 31, 1980 Submitted</i>	325°	Calc. Sup- plied by BPC to D.C. Trimble 2/22/80 via BLG-1217			
FUNCTION For Cold Shutdown	PRESSURE (PSI)	"	60 psig				
ACCURACY: % SPEC <u> </u> DEMO <u> </u>	RELATIVE HUMIDITY (%)	100%	100%				
SERVICE: R.C. Loop a Cold Leg Wide Range Temp.	CHEMICAL SPRAY	Steam, Air Chemical	None	Steam Air Chemical Note 3	None	Note 4	Yes
FLOOD LEVEL <u> </u> ABOVE <u>X</u> BELOW	RADIATION	2.8 x 10 ⁷ _γ 1.1 x 10 ⁸ _β	28 x 10 ⁸	Note 2	58-03 7200 B&W 1000- 3A4 Note 1	Sequential	None
OTHER ROOM # EL 336'	AGING	40 Year	Note 4	Note 4	Note 4	Note 4	Yes
	SUBMERGENCE	9 ft.	Note 4	Note 3	Note 4	Note 4	Yes
REFERENCES: (1) Qualification for Accident Conditions by Similarity to 104AFP (2) NUS Report 1957-SA-A3 (3) Cable entrance seal being investigated (4) Information requested							

SYSTEM COMPONENT EVALUATION WORKSHEET (I&E BULLETIN 79-01B)	ANO UNIT <u>X</u> #1 <u> </u> #2 <u>X</u> INCONTAINMENT <u> </u> OUT OF CONTAINMENT	SYSTEM <u>Decay Heat Removal</u> P&ID <u>M-232</u>	IDENT. NO. <u>CV-1410</u> COMPONENT <u>Vlv. Mot. Op.</u> Includes <u>ZS-1410</u>
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DATA	ENVIRONMENT			DOCUMENTATION REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
MANUFACTURER	PARAMETER	SPEC.	QUALIF.	SPEC.	QUALIF.		
Rotork	OPERATING TIME	Cont.	See Attachment	FSAR	Rotork TR-116	Simultaneous	No
MODEL <u>X</u> or TYPE <u> </u> 90 NAI	TEMP. (°F)	See Profile Attachment 1 <i>Oct. 31, 1980 Submittal</i>		BPC letter 2/22/80 BLG-1217			
FUNCTION D.H. From RC Block Valve	PRESSURE (PSI)	POOR ORIGINAL					
ACCURACY: % SPEC <u>N/A</u> DEMO <u> </u>	RELATIVE HUMIDITY (%)		100%	Spec. 6600M-257			
SERVICE: D.H. from RC System Block	CHEMICAL SPRAY		Steam/Air Chemical Spray	N/A			
FLOOD LEVEL <u> </u> ABOVE <u>X</u> BELOW	RADIATION	2.7 x 10 ⁷ Rads γ 1.1 x 10 ⁸ Rads β	2 x 10 ⁸ Rads	Note 2		Sequential	
OTHER ROOM # EL 336	AGING	40 years	Note 1	40 years		Note 1	Yes
	SUBMERGENCE	9 ft. Chem Soln.	10 ft. Chem. Soln.		TR-178	Sep. Effects	No

REFERENCES: Note 1 Documentation and information requested
 Note 2 NUS Report 1957-SA-A3