



GULF STATES UTILITIES COMPANY

RIVER BEND STATION POST OFFICE BOX 220 ST. FRANCISVILLE, LOUISIANA 70775
AREA CODE 504 635-6094 346-8651

May 15, 1985
RBG- 20,997
File No. G9.5, G9.19.2,
G9.20.8

Mr. Harold R. Denton, Director
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

Please find attached an updated copy of the River Bend Station Seismic and Pump and Valve Qualification Program Master List (Attachment 1) and the status of qualification for seismic Category I equipment (Attachment 2) required by fuel load.

Sincerely,

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

⁰⁰⁴
JEB/RUK/rg

Attachment

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PDR ADOCK 05000458
A PDR

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ATTACHMENT 1

Qual - Qualification status

Code A - The qualification and associated documentation are complete.

Code B - The qualification is in progress.

Code C - Qualification is in progress, equipment is not required for fuel load.

Inst - Installation Code

Code Y - Physical installation is complete.

Code FL - Physical installation will be completed prior to fuel load.

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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
NASS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOHEST	RRS REF	STATUS
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SYSTEM BYS BATTERY - 125V STATION

BOP EQUIPMENT

CHGR BATTERY CHARGER

1BYS*CHGR10	BATT. CHARGER POWER CONVERS. PROD.	244.523	CB	116	CF	Y	NA	NA	MF	16	8 A	Y
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SHG SWITCHGEAR

1BYS*SHG010	SWITCHGEAR BROWN-BOVERI	242.521	CB	098	CF	Y	NA	NA	MF	6	7 A	Y
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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

SYSTEM B21 NUCLEAR BOILER SYSTEM											
BOP EQUIPMENT											
AOVF											
1B21*AOVF32A	CHECK VALVES ATHOOD & MORRILL CO.	228.218	AB	114	LH	Y	Y	S	MF	54	NA A Y
1B21*AOVF32B	CHECK VALVES ATHOOD & MORRILL CO.	228.218	AB	114	LH	Y	Y	S	MF	54	NA A Y
HOVF											
1B21*HOVF001	VALVE H.O. 2"-1500 LB VELAN	228.214	DH	141	LH	Y	Y	S	SF	78	NA A Y
1B21*HOVF002	VALVE H.O. 2"-1500 LB VELAN	228.214	DH	141	LH	Y	Y	S	SF	78	NA A Y
1B21*HOVF005	VALVE H.O. 2"-1500 LB VELAN	228.214	DH	141	LH	Y	Y	S	SF	78	NA A Y
1B21*HOVF016	VALVE H.O. 3"-600 LB VELAN	228.212	DH	114	LH	Y	Y	S	SF	49	NA A Y
1B21*HOVF019	VALVE H.O. 3"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	49	NA A Y
1B21*HOVF027A	VALVE H.O. 3/4" 1500 LB VELAN	228.214	AB	114	LH	Y	NA	S	SF	50	NA A Y
1B21*HOVF027B	VALVE H.O. 3/4"-1500 LB VELAN	228.214	AB	114	LH	Y	NA	S	SF	50	NA A Y
1B21*HOVF027C	VALVE H.O. 3/4"-1500 LB VELAN	228.214	AB	114	LH	Y	NA	S	MF	50	NA A Y
1B21*HOVF027D	VALVE H.O. 3/4"-1500 LB VELAN	228.214	AB	114	LH	Y	NA	S	SF	50	NA A Y

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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---	QUAL INST		

SYSTEM B21 NUCLEAR BOILER SYSTEM														
HOVF *														
1B21*HOVF065A	VALVE H.O. 20"-900 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	49	NA A	Y		
1B21*HOVF065B	VALVE H.O. 20"-900 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	49	NA A	Y		
1B21*HOVF067A	VALVE H.O. 1.5"-1500 LB VELAN	228.214	AB	114	LH	Y	NA	S	SF	61	NA A	Y		
1B21*HOVF067B	VALVE H.O. 1.5"-1500 LB VELAN	228.214	AB	114	LH	Y	NA	S	SF	61	NA A	Y		
1B21*HOVF067C	VALVE H.O. 1.5"-1500 LB VELAN	228.214	AB	114	LH	Y	NA	S	SF	61	NA A	Y		
1B21*HOVF067D	VALVE H.O. 1.5"-1500 LB VELAN	228.214	AB	114	LH	Y	NA	S	SF	61	NA A	Y		
1B21*HOVF085	VALVE H.O. 3"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	49	NA A	Y		
1B21*HOVF086	VALVE H.O. 3"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	49	NA A	Y		
1B21*HOVF098A	VALVE H.O. 24"-900 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	68	NA A	Y		
1B21*HOVF098B	VALVE H.O. 24"-900 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	68	NA A	Y		
1B21*HOVF098C	VALVE H.O. 24"-900 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	68	NA A	Y		
1B21*HOVF098D	VALVE H.O. 24"-900 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	68	NA A	Y		

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											QUAL	INST

SYSTEM B21 NUCLEAR BOILER SYSTEM												
VF												
1B21*VF011A	20"-900# GATE VALVE VELAN	228.211	DH	122	LH	Y	Y	S	NA	49	NA A	Y
1B21*VF011B	20"-900# GATE VALVE VELAN	228.211	DH	122	LH	Y	Y	S	NA	49	NA A	Y

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SYSTEM B33 REACTOR RECIRC VALVE FLOW CONTROL

BOP EQUIPMENT

AOVF

1B33*AOVF019	3/4"-1500# GLOBE FISHER CONTROLS	247.491	DH	119	LH	Y	Y	S	SF	>33	NA A	Y
1B33*AOVF020	3/4"-1500#GLOBE FISHER CONTROLS	247.491	CT	124	LH	Y	Y	S	SF	>33	NA A	Y

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			BLDG	ELEV	HTG	SEIS	HYDR				

SYSTEM CCP COMPONENT COOLING - PRIMARY CONTAINMENT OR REACTOR											
BOP EQUIPMENT											
MOV MOTOR OPERATED VALVE											
1CCP#MOV129	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LH	Y	NA	D	SF	58	NA A Y
1CCP#MOV130	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LH	Y	NA	D	SF	58	NA A Y
1CCP#MOV138	VALVE H.O. 10"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	58	NA A Y
1CCP#MOV142	6"-150# BUTTERFLY JAMESBURY	228.243	CT	114	LH	Y	Y	D	SF	58	NA A Y
1CCP#MOV143	6"-150# BUTTERFLY JAMESBURY	228.243	CT	114	LH	Y	Y	D	SF	58	NA A Y
1CCP#MOV144	6"-150# BUTTERFLY JAMESBURY	228.243	DH	114	LH	Y	Y	D	SF	58	NA A Y
1CCP#MOV158	VALVE H.O. 10"-600 LB VELAN	228.212	CT	114	LH	Y	Y	S	SF	58	NA A Y
1CCP#MOV159	VALVE H.O. 10"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	58	NA A Y
1CCP#MOV16A	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LH	Y	NA	D	SF	58	NA A Y
1CCP#MOV16B	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LH	Y	NA	D	SF	58	NA A Y
1CCP#MOV163	VALVE H.O. 2"-1500 LB VELAN	228.214	FB	070	LH	Y	NA	S	SF	78	NA A Y
1CCP#MOV169	VALVE H.O. 2"-1500 LB VELAN	228.214	FB	070	LH	Y	NA	S	SF	78	NA A Y

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

SYSTEM CCP COMPONENT COOLING - PRIMARY CONTAINMENT OR REACTOR

BOP EQUIPMENT

MOV MOTOR OPERATED VALVE

1CCP#MOV335	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LH	Y	NA	D	SF	58	NA A	Y
1CCP#MOV336	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LH	Y	NA	D	SF	58	NA A	Y

PT PRESSURE TRANSMITTER

1CCP#PT1A	PRESS. TRANSMITT. ROSEHOUNT	247.481	AB	70	RH	Y	NA	NA	HF	48	1 A	Y
1CCP#PT1B	PRESS. TRANSMITT. ROSEHOUNT	247.481	AB	70	RH	Y	NA	NA	HF	48	1 A	Y
1CCP#PT1C	PRESS. TRANSMITT. ROSEHOUNT	247.481	AB	70	RH	Y	NA	NA	HF	48	1 A	Y
1CCP#PT1D	PRESS. TRANSMITT. ROSEHOUNT	247.481	AB	70	RH	Y	NA	NA	HF	48	1 A	Y
1CCP#PT1E	PRESS. TRANSMITT. ROSEHOUNT	247.481	AB	70	RH	Y	NA	NA	HF	48	1 A	Y
1CCP#PT1F	PRESS. TRANSMITT. ROSEHOUNT	247.481	AB	70	RH	Y	NA	NA	HF	48	1 A	Y
1CCP#PT1G	PRESS. TRANSMITT. ROSEHOUNT	247.481	AB	70	RH	Y	NA	NA	HF	48	1 A	Y
1CCP#PT1H	PRESS. TRANSMITT. ROSEHOUNT	247.481	AB	70	RH	Y	NA	NA	HF	48	1 A	Y

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	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM CCP COMPONENT COOLING - PRIMARY CONTAINMENT OR REACTOR												
RV												
1CCP*RV151	RELIEF VALVES CROSBY	247.521	RB	123	LH	Y	Y	S	SO	157	NA A	Y
1CCP*RV155	RELIEF VALVES CROSBY	247.521	RB	125	LH	Y	Y	S	SO	157	NA A	Y
1CCP*RV57A	RELIEF VALVES CROSBY	247.521	FB	80	LH	Y	NA	S	SO	239	NA A	Y
1CCP*RV57B	RELIEF VALVES CROSBY	247.521	FB	88	LH	Y	NA	S	SO	239	NA A	Y
1CCP*RV60A	RELIEF VALVES CROSBY	247.521	AB	83	LH	Y	NA	S	SO	239	NA A	Y
1CCP*RV60B	RELIEF VALVES CROSBY	247.521	AB	83	LH	Y	NA	S	SO	239	NA A	Y

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

SYSTEM CES COMMON ELECTRICAL

BOP EQUIPMENT

PNL PANEL

ICES=PNL6A	RACKS FOXBORO/EM	242.444	CB	115	CF	Y	NA	NA	HF	NA	8 A	Y
ICES=PNL6B	RACKS FOXBORO/EM	242.444	CB	115	CF	Y	NA	NA	HF	NA	8 A	Y
ICES=PNL6C	CONTROL BOARDS ELECTRO MECHANICS	242.444	CB	116	DH	Y	NA	S	NA	30	9 A	Y

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			BLDG	ELEV	HTG	SEIS	HYDR				

SYSTEM CMS CONTAINMENT ATMOSPHERE MONITORING											
LT LEVEL TRANSMITTER											
1CHS*LT23A	PRESS TRANSMITT ROSEMOUNT(211.161)	247.481	CT	98	DH	Y	Y	NA	HF	49	44,46 A Y
1CHS*LT23B	PRESS TRANSMITT ROSEMOUNT(211.161)	247.481	CT	98	DH	Y	Y	NA	HF	49	44,46 A Y
LY											
1CHS*LY23A	FLOW CONTROLLER BROOKS INSTR	211.161	CT	120	LH	Y	Y	NA	SF	>100	47,114,147 A Y
1CHS*LY23B	FLOW CONTROLLER BROOKS INSTR	211.161	CT	120	LH	Y	Y	NA	SF	>100	47,114,147 A Y
PDT DIFFERENTIAL PRESSURE TRANSMITTER											
1CHS*PDT29A	PRESS. TRANSMITT. ROSEMOUNT(211.161)	247.481	AB	141	RH	Y	NA	NA	HF	48	4 A Y
1CHS*PDT29B	PRESS. TRANSMITT. ROSEMOUNT(211.161)	247.481	AB	141	RH	Y	NA	NA	HF	48	4 A Y
PI PRESSURE INDICATOR											
1CHS*PI2B	PRESS INDICATOR GE/ELECTROMECHANICS	242.444	CB	98	RH	Y	NA	NA	HF	NA	8 A Y
PNL PANEL											
1CHS*PNL10A	HYDROGEN ANAL. CONSIP INC.	247.421	AB	141	CF	Y	NA	S	HF	19	4 A Y
1CHS*PNL10B	HYDROGEN ANAL. CONSIP INC.	247.421	AB	141	CF	Y	NA	S	HF	19	4 A Y
1CHS*PNL12A	HYDROGEN ANAL. CONSIP INC.	247.421	AB	141	CF	Y	NA	S	HF	19	4 A Y

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			BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOHEST	---STATUS---		
												QUAL	INST

SYSTEM CMS CONTAINMENT ATMOSPHERE MONITORING													
PNL PANEL													
1CHS*PNL12B	HYDROGEN ANAL. CONSIP INC.	247.421	AB	141	CF	Y	NA	S	HF	19	4 A	Y	
PT PRESSURE TRANSHITTER													
1CHS*PT2A	PRESS. TRANSHITT. ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	HF	48	4 A	Y	
1CHS*PT2B	PRESS. TRANSHITT. ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	HF	48	4 A	Y	
1CHS*PT4A	PRESS. TRANSHITT. ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	HF	48	4 A	Y	
1CHS*PT4B	PRESS. TRANSHITT. ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	HF	48	4 A	Y	
1CHS*PT45A	PRESS TRANSHITT ROSEMOUNT(211.161)	247.481	AB	141	RH	Y	NA	NA	HF	48	4 A	Y	
1CHS*PT45B	PRESS TRANSHITT ROSEMOUNT(211.161)	247.481	AB	141	RH	Y	NA	NA	HF	48	4 A	Y	
RTD RESISTANCE TEMPERATURE RECORDER													
1CHS*RTD24A	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	HF	50	10 A	Y	
1CHS*RTD24B	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	HF	50	10 A	Y	
1CHS*RTD24C	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	HF	50	10 A	Y	
1CHS*RTD24D	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	HF	50	10 A	Y	

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	DESCRIPTION	MANUFACTURER			BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM CMS CONTAINMENT ATMOSPHERE MONITORING														
RTD RESISTANCE TEMPERATURE RECORDER														
1CHS*RTD24E	THERMOCOUPLES RTD PYCO		247.461	CT	95	DW	Y	Y	NA	HF	50	10 A	Y	
1CHS*RTD24F	THERMOCOUPLES RTD PYCO		247.461	CT	95	DW	Y	Y	NA	HF	50	10 A	Y	
1CHS*RTD24G	THERMOCOUPLES RTD PYCO		247.461	CT	95	DW	Y	Y	NA	HF	50	10 A	Y	
1CHS*RTD24H	THERMOCOUPLES RTD PYCO		247.461	CT	95	DW	Y	Y	NA	HF	50	10 A	Y	
1CHS*RTD24J	THERMOCOUPLES RTD PYCO		247.461	CT	95	DW	Y	Y	NA	HF	50	10 A	Y	
1CHS*RTD24K	THERMOCOUPLES RTD PYCO		247.461	CT	95	DW	Y	Y	NA	HF	50	10 A	Y	
1CHS*RTD40A	THERMOCOUPLES RTD PYCO		247.461	CT	95	DW	Y	Y	NA	HF	50	10 A	Y	
1CHS*RTD40B	THERMOCOUPLES RTD PYCO		247.461	CT	95	DW	Y	Y	NA	HF	50	10 A	Y	
1CHS*RTD40C	THERMOCOUPLES RTD PYCO		247.461	CT	95	DW	Y	Y	NA	HF	50	10 A	Y	
1CHS*RTD40D	THERMOCOUPLES RTD PYCO		247.461	CT	95	DW	Y	Y	NA	HF	50	10 A	Y	
1CHS*RTD41A	THERMOCOUPLES RTD PYCO		247.461	DW	145	DW	Y	Y	NA	HF	50	60.61 A	Y	
1CHS*RTD41B	THERMOCOUPLES RTD PYCO		247.461	DW	145	DW	Y	Y	NA	HF	50	60.61 A	Y	

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			BLOG	ELEV	MTG	SEIS				

SYSTEM CHS CONTAINMENT ATMOSPHERE MONITORING

RTD RESISTANCE TEMPERATURE RECORDER

1CHS-RTD41C	THERMOCOUPLES RTD PYCO	247.461	DH	145	DH	Y	Y	NA	HF	50	60.61 A	Y
1CHS-RTD41D	THERMOCOUPLES RTD PYCO	247.461	DH	145	DH	Y	Y	NA	HF	50	60.61 A	Y
1CHS-RTD42A	THERMOCOUPLES RTD PYCO	247.461	CT	167	DH	Y	Y	NA	HF	50	48.49 A	Y
1CHS-RTD42B	THERMOCOUPLES RTD PYCO	247.461	CT	167	DH	Y	Y	NA	HF	50	48.49 A	Y
1CHS-RTD42C	THERMOCOUPLES RTD PYCO	247.461	CT	162	DH	Y	Y	NA	HF	50	48 A	Y
1CHS-RTD42D	THERMOCOUPLES RTD PYCO	247.461	CT	118	DH	Y	Y	NA	HF	50	54.47 A	Y
1CHS-RTD42E	THERMOCOUPLES RTD PYCO	247.461	CT	118	DH	Y	Y	NA	HF	50	54.47 A	Y
1CHS-RTD42F	THERMOCOUPLES RTD PYCO	247.461	CT	118	DH	Y	Y	NA	HF	50	54.47 A	Y
1CHS-RTD42G	THERMOCOUPLES RTD PYCO	247.461	CT	118	DH	Y	Y	NA	HF	50	54.47 A	Y
1CHS-RTD42H	THERMOCOUPLES RTD PYCO	247.461	CT	118	DH	Y	Y	NA	HF	50	54.47 A	Y
1CHS-RTD42J	THERMOCOUPLES RTD PYCO	247.461	CT	118	DH	Y	Y	NA	HF	50	54.47 A	Y
1CHS-RTD42K	THERMOCOUPLES RTD PYCO	247.461	CT	118	DH	Y	Y	NA	HF	50	54.47 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- ANLYS TEST	-NAT FREQ- LOWEST	---RRS REF---	
			BLDG	ELEV	MTG	SEIS	HYDR			---STATUS---	QUAL

SYSTEM CMS CONTAINMENT ATMOSPHERE MONITORING

RTD RESISTANCE TEMPERATURE RECORDER

1CHS*RTD43A	THERMOCOUPLES RTD PYCO	247.461	DH	145	DH	Y	Y	NA	HF	50	60,61 A	Y
1CHS*RTD43B	THERMOCOUPLES RTD PYCO	247.461	DH	145	DH	Y	Y	NA	HF	50	60,61 A	Y
1CHS*RTD43C	THERMOCOUPLES RTD PYCO	247.461	DH	145	DH	Y	Y	NA	HF	50	60,61 A	Y
1CHS*RTD43D	THERMOCOUPLES PYCO	247.461	DH	145	DH	Y	Y	NA	HF	50	60,61 A	Y
1CHS*RTD43E	THERMOCOUPLES RTD PYCO	247.461	DH	145	DH	Y	Y	NA	HF	50	60,61 A	Y
1CHS*RTD43F	THERMOCOUPLES RTD PYCO	247.461	DH	145	DH	Y	Y	NA	HF	50	60,61 A	Y

SOV SOLENOID VALVE

1CHS*SOV31A	VALVE 3/4" TARGET ROCK	247.501	AB	114	LH	Y	Y	S	HF	139	NA A	Y
1CHS*SOV31B	VALVE 3/4" TARGET ROCK	247.501	AB	141	LH	Y	Y	S	HF	139	NA A	Y
1CHS*SOV31C	VALVE 3/4" TARGET ROCK	247.501	AB	114	LH	Y	Y	S	HF	139	NA A	Y
1CHS*SOV31D	VALVE 3/4" TARGET ROCK	247.501	AB	141	LH	Y	Y	S	HF	139	NA A	Y
1CHS*SOV32A	VALVE 3/4" TARGET ROCK	247.501	RB	141	LH	Y	Y	S	HF	139	NA A	Y
1CHS*SOV32G	VALVE 3/4" TARGET ROCK	247.501	RB	141	LH	Y	Y	S	HF	139	NA A	Y

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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---	
			BLDG	ELEV	MTG	SEIS			HYDR	ANLYS
										QUAL INST

SYSTEM CHS CONTAINMENT ATMOSPHERE MONITORING

SOV SOLENOID VALVE

1CHS*SOV33A	VALVE 3/4" TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA A	Y
1CHS*SOV33AA	VALVE 3/4" TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA A	Y
1CHS*SOV33B	VALVE 3/4" TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA A	Y
1CHS*SOV33BB	VALVE 3/4" TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA A	Y
1CHS*SOV33C	VALVE 3/4" TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA A	Y
1CHS*SOV33D	VALVE 3/4" TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA A	Y
1CHS*SOV33E	VALVE 3/4" TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA A	Y
1CHS*SOV33F	VALVE 3/4" TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA A	Y
1CHS*SOV33G	VALVE 3/4" TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA A	Y
1CHS*SOV33H	VALVE 3/4" TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA A	Y
1CHS*SOV33J	VALVE 3/4" TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA A	Y
1CHS*SOV33K	VALVE 3/4" TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA A	Y

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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.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS	INST

SYSTEM CMS CONTAINMENT ATMOSPHERE MONITORING													
SOV SOLENOID VALVE													
1CHS*SOV33S	VALVE 3/4" TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA A	Y	
1CHS*SOV33T	VALVE 3/4" TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA A	Y	
1CHS*SOV33U	VALVE 3/4" TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA A	Y	
1CHS*SOV33V	VALVE 3/4" TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA A	Y	
1CHS*SOV33W	VALVE 3/4" TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA A	Y	
1CHS*SOV33X	VALVE 3/4" TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA A	Y	
1CHS*SOV33Y	VALVE 3/4" TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA A	Y	
1CHS*SOV33Z	VALVE 3/4" TARGET ROCK	247.501	RB	170	LH	Y	Y	S	HF	139	NA A	Y	
1CHS*SOV34A	VALVE 3/4" TARGET ROCK	247.501	RB	141	LH	Y	Y	S	HF	139	NA A	Y	
1CHS*SOV34B	VALVE 3/4" TARGET ROCK	247.501	RB	141	LH	Y	Y	S	HF	139	NA A	Y	
1CHS*SOV34C	VALVE 3/4" TARGET ROCK	247.501	RB	141	LH	Y	Y	S	HF	139	NA A	Y	
1CHS*SOV34D	VALVE 3/4" TARGET ROCK	247.501	RB	141	LH	Y	Y	S	HF	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. 50-459

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 CMS CONTAINMENT ATMOSPHERE MONITORING

SOV SOLENOID VALVE

1CHS*SOV35A	VALVE 3/4" TARGET ROCK	247.501	RB	141	LH	Y	Y	S	HF	139	NA A	Y
1CHS*SOV35B	VALVE 3/4" TARGET ROCK	247.501	RB	141	LH	Y	Y	S	HF	139	NA A	Y
1CHS*SOV35C	VALVE 3/4" TARGET ROCK	247.501	RB	141	LH	Y	Y	S	HF	139	NA A	Y
1CHS*SOV35D	VALVE 3/4" TARGET ROCK	247.501	RB	141	LH	Y	Y	S	HF	139	NA A	Y

TI TEMPERATURE INDICATOR

1CHS*TI40D	TEMP INDICATOR GE/ELECTROMECHANICS	242.444	CB	98	RH	Y	NA	NA	HF	NA	8 A	Y
1CHS*TI41B	TEMP INDICATOR GE/ELECTROMECHANICS	242.444	CB	98	RH	Y	NA	NA	HF	NA	8 A	Y
1CHS*TI41D	TEMP INDICATOR GE/ELECTROMECHANICS	242.444	CB	98	RH	Y	NA	NA	HF	NA	8 A	Y

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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. 50-450

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

SYSTEM CNS CONDENSATE - MAKE-UP AND DRAHOFF

BOP EQUIPMENT

MOV MOTOR OPERATED VALVE

1CNS#MOV125	VALVE H.O. 4"-60 LB VELAN	220.212	AB	114	LH	Y	Y	S	SF	52	NA A	Y
1CNS#MOV130	VALVE H.O. 4"-600 LB VELAN	220.212	AB	114	LH	Y	Y	S	SF	52	NA A	Y

RV

1CNS#RV140	RELIEF VALVES CROSBY	247.521	RB	120	LH	Y	Y	S	SO	157	NA A	Y
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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 HETH-	-NAT FREQ-	---RRS REF---	
			BLDG	ELEV	MTG	SEIS			HYDR	ANLYS

SYSTEM CPH CONTAINMENT HYDROGEN MIXING

BOP EQUIPMENT

FN FAN

1CPHwFN1A	MIXING FAN BUFFALO FORGE	215.400	DW	162	CF	Y	Y	S	NA	112	61,128,161 A Y
1CPHwFN1B	MIXING FAN BUFFALO FORGE	215.400	DW	162	CF	Y	Y	S	NA	112	61,128,161 A Y

MOV MOTOR OPERATED VALVE

1CPHwMOV1A	6"-150# BUTTERFLY POSI SEAL	228.241	CT	162	LH	Y	Y	D	SF	34	NA A Y
1CPHwMOV1B	6"-150# BUTTERFLY POSI SEAL	228.241	CT	162	LH	Y	Y	D	SF	34	NA A Y
1CPHwMOV2A	6"-150# BUTTERFLY POSI SEAL	228.241	CT	114	LH	Y	Y	D	SF	34	NA A Y
1CPHwMOV2B	6"-150# BUTTERFLY POSI SEAL	228.241	CT	114	LH	Y	Y	D	SF	34	NA A Y
1CPHwMOV3A	6"-150# BUTTERFLY POSI SEAL	228.241	CT	162	LH	Y	Y	D	SF	34	NA A Y
1CPHwMOV3B	6"-150# BUTTERFLY POSI SEAL	228.241	CT	162	LH	Y	Y	D	SF	34	NA A Y
1CPHwMOV4A	6"-150# BUTTERFLY POSI SEAL	228.241	CT	114	LH	Y	Y	D	SF	34	NA A Y
1CPHwMOV4B	6"-150# BUTTERFLY POSI SEAL	228.241	CT	114	LH	Y	Y	D	SF	34	NA A Y

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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. 50-450

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

SYSTEM CPP CONTAINMENT PURGE

BOP EQUIPMENT

MOV MOTOR OPERATED VALVE

1CPP#MOV104	VALVE H.O. 3"-600 LB VELAN	220.212	CT	141	LH	Y	Y	S	SF	49	NA A	Y
1CPP#MOV105	VALVE H.O. 3"-600 LB VELAN	220.212	CT	141	LH	Y	Y	S	SF	49	NA A	Y

PNL PANEL

1CPP#PNL102	CONTROL BOARDS ELECTRO MECHANICS	242.444	AB	170	CF	Y	NA	S	HF		S A	Y
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SOV SOLENOID VALVE

1CPP#SOV140	VALVE 1" TARGET ROCK	247.501	AB	114	LH	Y	Y	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	ANLYS	TEST	LOWEST	---STATUS---

SYSTEM CSH CORE SPRAY - HIGH PRESSURE

BOP EQUIPMENT

HOSE

1CSH#HOSE6	FLEX METAL HOSE HTL BELLOWS	247.011	DW	140	LH	Y	Y	S	HF	10	36-68 A	Y
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STR

1CSH#STR1	STRAINER ZURN INDUSTRIES	228.957	CT	70	LH	NA	Y	S	NA	445	NA A	Y
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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	-----EQUIPMENT----- DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---	---LOADS---	-QUAL HETH-	-NAT FREQ-	---RRS REF---
			BLOG ELEV MTG	SEIS HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST

SYSTEM CSL CORE SPRAY - LOW PRESSURE

BOP EQUIPMENT

STR

*

1CSL*STR1

STRAINER
ZURN INDUSTRIES

228.957

CT

70

LH

NA

Y

S

NA

445

NA
A

Y

V

*

1CSL*V1

16"-300# GATE VALVE
VELAN

228.211

AB

73

LH

Y

NA

S

NA

65

NA
A

Y

1CSL*V31

16"-300# GATE VALVE
VELAN

228.211

AB

73

LH

Y

NA

S

NA

65

NA
A

Y

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

SYSTEM C11 CONTROL ROD DRIVE HYDRAULIC CONTROL SYSTEM

BOP EQUIPMENT

HOVF

1C11*HOVF083	VALVE H.O. 2"-1500 LB VELAN	228.216	FB	95	LH	Y	Y	S	SF	78	NA A	Y
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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.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS

SYSTEM C41 STANDBY LIQUID CONTROL SYSTEM

BOP EQUIPMENT

MOVF *

1C41*MOV001A	VALVE H.O. 3"-150 LB VELAN	228.216	DH	141	LH	Y	Y	S	SF	62	NA A	Y
1C41*MOV001B	VALVE H.O. 3"-150 LB VELAN	228.216	DH	141	LH	Y	Y	S	SF	62	NA A	Y

RVF *

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

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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 BLOG ELEV HTG	LOADS SEIS HYDR	QUAL METH ANLYS TEST	NAT FREQ LOWEST	RRS REF STATUS QUAL INST
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SYSTEM DER DRAINS - REACTOR BLOG EQUIPMENT

BOP EQUIPMENT

ADV AIR OPERATED VALVE

1DER#AOV126	4"-150# GLOBE FISHER CONTROLS	247.491	CT 134 LH	Y Y S SF	95	NA A	Y
1DER#AOV127	4"-150# GLOBE FISHER CONTROLS	247.491	FB 113 LH	Y Y S SF	95	NA A	Y

RV

1DER#RV180	RELIEF VALVES CROSBY	247.521	RB 104 LH	Y Y S SO	157	NA A	Y
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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 BLOG ELEV MTG	LOADS SEIS HYDR	QUAL METH ANLYS TEST	NAT FREQ LOWEST	RRS REF STATUS QUAL INST
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SYSTEM DFA

BOP EQUIPMENT

LE

1DFA*LE19A	LEVEL ELEMENT FCI(211.161)	247.433	AB				B FL
1DFA*LE19B	LEVEL ELEMENT FCI(211.161)	247.433	AB				B FL

LS

1DFA*LS19A	LEVEL SWITCH FCI(211.161)	247.433	AB				B FL
1DFA*LS19B	LEVEL SWITCH FCI(211.161)	247.433	AB				B FL

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL	INST

1

LE

10

LS

10

1DFHwL55A	LEVEL SWITCH FCI(211.161)	247.433	PT	B	FL
1DFHwL55B	LEVEL SWITCH FCI(211.161)	247.433	PT	B	FL
1DFHwL57A	LEVEL SWITCH FCI(211.161)	247.433	PT	B	FL
1DFHwL57B	LEVEL SWITCH FCI(211.161)	247.433	PT	B	FL

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT

MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

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BOP EQUIPMENT

AOV AIR OPERATED VALVE

1DFR#AOV101	4"-150# GLOBE FISHER CONTROLS	247.491	CT	141	LH	Y	Y	S	SF	95	NA A	Y
1DFR#AOV102	4"-150# GLOBE FISHER CONTROLS	247.491	AB	114	LH	Y	Y	S	SF	95	NA A	Y
1DFR#AOV144	1"-1500# GLOBE FISHER CONTROLS	247.491	AB	072	LH	Y	NA	S	SF		NA B	Y
1DFR#AOV145	1"-1500# GLOBE FISHER CONTROLS	247.491	AB	071	LH	Y	NA	S	SF		NA B	Y

LE

1DFRwLE18A	LEVEL ELEMENT FCI(211.161)	247.433	CT		B	FL
1DFRwLE18B	LEVEL ELEMENT FCI(211.161)	247.433	CT		B	FL
1DFRwLE19A	LEVEL ELEMENT FCI(211.161)	247.433	FB		B	FL
1DFRwLE19B	LEVEL ELEMENT FCI(211.161)	247.433	FB		B	FL
1DFRwLE8A	LEVEL ELEMENT FCI(211.161)	247.433	AB	70	B	FL
1DFRwLE8B	LEVEL ELEMENT FCI(211.161)	247.433	AB	70	B	FL

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLYS TEST	NAT FREQ- LOHEST	-RRS REF----

SYSTEM DFR DRAINS - REACTOR PLANT FLOOR									
LSH	*								
1DFR#LSW8A	LEVEL SWITCH FCI(211.161)	247.433	AB	144				B	FL
1DFR#LSW8B	LEVEL SWITCH FCI(211.161)	247.433	AB	144				B	FL
LSX	*								
1DFR#LSX8A	LEVEL SWITCH FCI(211.161)	247.433	AB	144				B	FL
1DFR#LSX8B	LEVEL SWITCH FCI(211.161)	247.433	AB	144				B	FL
LSY	*								
1DFR#LSY8A	LEVEL SWITCH FCI(211.161)	247.433	AB	144				B	FL
1DFR#LSY8B	LEVEL SWITCH FCI(211.161)	247.433	AB	144				B	FL
LSZ	*								
1DFR#LSZ8A	LEVEL SWITCH FCI(211.161)	247.433	AB	144				B	FL
1DFR#LSZ8B	LEVEL SWITCH FCI(211.161)	247.433	AB	144				B	FL
LS	*								
1DFR#LS18A	LEVEL SWITCH FCI(211.161)	247.433	CT					B	FL
1DFR#LS18B	LEVEL SWITCH FCI(211.161)	247.433	CT					B	FL

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

[illegible]

LS

1DFR=LS19B	LEVEL SWITCH FCI(211.161)	247.433	FB	B	Y
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10FR=LT134	PRESS TRANSHITT ROSEJUNT	247.481	AB	70	RH	Y	NA	NA	HF	49	1 A	Y
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10FR=LT135	PRESS TRANSMITT ROSEHOUT	247.481	AB	70	RH	Y	NA	NA	HF	49	1 A	Y
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10FR=LT136	PRESS TRANSHITT ROSEMOUNT	247.481	AB	70	RM	Y	NA	NA	HF	49	1 A	Y
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10FR=LT137	PRESS TRANSHITT ROSENHOUT	247.481	AB	70	RM	Y	NA	NA	HF	49	1 A	Y
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10FR=LT130	PRESS TRANSHITT ROSEHOUNT	247.481	AB	70	RM	Y	NA	NA	HF	49	1 A	Y
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10FR=LT139	PRESS TRANSMITT ROSEHOUNT	247.481	AB	70	RH	Y	NA	NA	Hf	49	1 A	Y
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10FR*PSA	SUMP PUMP MOTORS	237.160	
	GOULDS PUMPS		

10FR25B	SURIP PUMP MOTORS	237.160	
	GOULDS PUMPS		

10FR*P50	SUMP PUMP MOTORS	237.160	
	GOULDS PUMPS		

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

SYSTEM DFR DRAINS - REACTOR PLANT FLOOR

P PUMP

IDFR#P5E	SUMP PUMP MOTORS GOULDS PUMPS	237.160					6 FL
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RV

IDFR#RV21	RELIEF VALVES CROSBY	247.521	RB	107	LH	Y	Y	S	SO	157	NA A	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	LOWEST	STATUS	QUAL

SYSTEM EGF GENERATOR STANDBY - FUEL												
BOP EQUIPMENT												
LT LEVEL TRANSMITTER												
1EGF*LT16A	PRESS. TRANSHITT. ROSEMOUNT	247.481	DG	98	RH	Y	NA	NA	HF	48	12 A	Y
1EGF*LT16B	PRESS. TRANSHITT. ROSEMOUNT	247.481	DG	98	RH	Y	NA	NA	HF	48	12 A	Y
1EGF*LT16C	PRESS. TRANSHITT. ROSEMOUNT	247.481	DG	98	RH	Y	NA	NA	HF	48	12 A	Y
PCV PRESSURE CONTROL VALVE												
1EGF*PCV25A	VALVE - 3/4" TARGET ROCK	247.501	DG	70	LH	Y	NA	S	HF	>1000	NA A	Y
1EGF*PCV25B	VALVE - 3/4" TARGET ROCK	247.501	DG	70	LH	Y	NA	S	HF	>1000	NA A	Y
PNL PANEL												
1EGF*PNL101	CONTROL BOARDS ELECTRO MECHANICS	242.444	DG	98	DH	Y	NA	NA	HF	25	13 A	Y
P PUMP												
1EGF*P1A	FUEL OIL PUMP CRANE DEMING PUMPS	237.150	DG	98	EH	Y	NA	S	NA	8	12 A	Y
1EGF*P1B	FUEL OIL PUMP CRANE DEMING PUMPS	237.150	DG	98	EH	Y	NA	S	NA	8	12 A	Y
1EGF*P1C	FUEL OIL PUMP CRANE DEMING PUMPS	237.150	DG	98	EH	Y	NA	S	NA	8	12 A	Y
1EGF*P2A	FUEL OIL PUMP DELAVAL	244.700	DG	98	EH	Y	NA	NA	HF	8	13,14 A	Y

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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	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL

SYSTEM EGF GENERATOR STANDBY - FUEL												
P PUMP												
1EGF#P2B	FUEL OIL PUMP DELAVAL	244.700	DG	98	EH	Y	NA	NA	MF	8	13,14 A	Y
STR *												
1EGF#STR2A	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	NA	S	NA	87	12 A	Y
1EGF#STR2B	STRINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	NA	S	NA	87	12 A	Y
1EGF#STR2C	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	NA	S	NA	87	12 A	Y
1EGF#STR2D	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	NA	S	NA	87	12 A	Y
1EGF#STR2E	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	NA	S	NA	87	12 A	Y
1EGF#STR2F	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	NA	S	NA	87	12 A	Y

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
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EQUIP. ID	DESCRIPTION MANUFACTURER	EQUIPMENT		SPEC NO.		LOCATION		LOADS		QUAL		HYDR		ANLYS		TEST		NAT		FREQ		RRS		REF	
		BLDG	ELEV	HTG	SEIS	NA	S	NA	S	NA	S	NA	S	NA	S	NA	S	NA	S	NA	S	NA	S	NA	S

SYSTEM FGD EMERGENCY DIESEL GENERATOR LUBE OIL SYSTEM

BOP EQUIPMENT

E	1E00-E1A	LUBE OIL COOLER DELAVAL	244.700	DG	98	EH	Y	NA	S	NA	40	13.14 A	Y
	1E00-E1B	LUBE OIL COOLER DELAVAL	244.700	DG	98	EH	Y	NA	S	NA	40	13.14 A	Y
P	PUMP												
	1E00-P1A	AC LUBE OIL PUMP DELAVAL	244.700	DG	98	EH	Y	NA	NA	SF	>15	13.14 A	Y
	1E00-P1B	AC LUBE OIL PUMP DELAVAL	244.700	DG	98	EH	Y	NA	NA	SF	>15	13.14 A	Y

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NSSS SUPPLIER: GENERAL ELECTRIC

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

SYSTEM EGS GENERATOR STANDBY - SYSTEM

BOP EQUIPMENT

EG

1EGS*EG1A	DSL GEN MAJOR CORP. DELAVAL	244.700	DG	98	EH	Y	NA	S	SF	NA	13,14 A	Y
1EGS*EG1B	DSL GEN MAJOR CORP. DELAVAL	244.700	DG	98	EH	Y	NA	S	SF	NA	13,14 A	Y

PNL PANEL

1EGS*PNL2A	CONTROL BOARDS ELECTRO MECHANICS	242.444	DG	98	CF	Y	NA	NA	HF		12 A	Y
1EGS*PNL2B	CONTROL BOARDS ELECTRO MECHANICS	242.444	DG	98	CF	Y	NA	NA	HF		12 A	Y
1EGS*PNL4A	PANELS - SHEC FIELD FAB (211.161)	242.444	DG	98	DH	Y	NA	S	HF	18	13 A	Y
1EGS*PNL4C	PANELS - SHEC FIELD FAB (211.161)	242.444	CB	115	DH	Y	NA	S	HF	18	9 A	Y
1EGS*PNL5C	PANELS - SHEC FIELD FAB (211.161)	242.444			DH	Y	NA	S	HF	18	A	Y

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NSSS SUPPLIER: GENERAL ELECTRIC

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EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
			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	NA	S	NA	60	13,14 A Y
1EGT#E1B	JACKET WTR COOLER DELAVAL	244.700	DG	98	EH	Y	NA	S	NA	60	13,14 A Y

P PUMP

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

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

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

SYSTEM EHS MOTOR CONTROL CENTER STANDBY SYSTEM												
BOP EQUIPMENT												
MCC MOTOR CONTROL CENTER												
1EHS*MCC14A	MOTOR CONTROL CENTERS GOULD, INC.	242.562	CB	98	CF	Y	NA	NA	HF	5	7 A	Y
1EHS*MCC14B	MOTOR CONTROL CENTERS GOULD, INC.	242.562	CB	98	CF	Y	NA	NA	HF	5	7 A	Y
1EHS*MCC15A	MOTOR CONTROL CENTERS GOULD, INC.	242.562	DG	98	CF	Y	NA	NA	HF	5	12 A	Y
1EHS*MCC15B	MOTOR CONTROL CENTERS GOULD, INC.	242.562	DG	98	CF	Y	NA	NA	HF	5	12 A	Y
1EHS*MCC16A	MOTOR CONTROL CENTERS GOULD, INC.	242.562	SH-CL	118	CF	Y	NA	NA	HF	5	31 A	Y
1EHS*MCC16B	MOTOR CONTROL CENTERS GOULD, INC.	242.562	SH-CL	118	CF	Y	NA	NA	HF	5	31 A	Y
1EHS*MCC2A	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	141	CF	Y	NA	NA	HF	5	4 A	Y
1EHS*MCC2B	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	141	CF	Y	NA	NA	HF	5	4 A	Y
1EHS*MCC2C	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	141	CF	Y	NA	NA	HF	5	4 A	Y
1EHS*MCC2D	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	141	CF	Y	NA	NA	HF	5	4 A	Y
1EHS*MCC2E	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	114	CF	Y	NA	NA	HF	5	3 A	Y
1EHS*MCC2F	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	114	CF	Y	NA	NA	HF	5	3 A	Y

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MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

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

SYSTEM EHS MOTOR CONTROL CENTER STANDBY SYSTEM

BOP EQUIPMENT

HCC MOTOR CONTROL CENTER

1EHS#HCC2G	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	114	CF	Y	NA	NA	HF	5	3 A	Y
1EHS#HCC2H	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	114	CF	Y	NA	NA	HF	5	3 A	Y
1EHS#HCC2J	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	141	CF	Y	NA	NA	HF	5	4 A	Y
1EHS#HCC2K	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	141	CF	Y	NA	NA	HF	5	4 A	Y
1EHS#HCC2L	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	141	CF	Y	NA	NA	HF	5	4 A	Y
1EHS#HCC8A	MOTOR CONTROL CENTERS GOULD, INC.	242.562	CB	98	CF	Y	NA	NA	HF	5	7 A	Y
1EHS#HCC8B	MOTOR CONTROL CENTERS GOULD, INC.	242.562	CB	98	CF	Y	NA	NA	HF	5	7 A	Y

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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---
			BLOG ELEV MTG SEIS HYDR ANLYS TEST			LOWEST	---STATUS--- QUAL INST

SYSTEM EJS UNIT SUBSTATION STANDBY SYSTEM

BOP EQUIPMENT

LDC LOAD CENTER

1EJS=LDC1A	LOAD CENTER POWELL ELECTRIC	242.533	CB	098	CF	Y	NA	NA	HF	5	7 A	Y
1EJS=LDC1B	LOAD CENTER POWELL ELECTRIC	242.533	CB	098	CF	Y	NA	NA	HF	5	7 A	Y
1EJS=LDC2A	LOAD CENTER POWELL ELECTRIC	242.533	AB	141	CF	Y	NA	NA	HF	5	4 A	Y
1EJS=LDC2B	LOAD CENTER POWELL ELECTRIC	242.533	AB	141	CF	Y	NA	NA	HF	5	4 A	Y
X												
1EJS=X1A	TRANSFORMER POWELL ELECTRIC	242.533	CB	098	CF	Y	NA	NA	HF	11	7 A	Y
1EJS=X1B	TRANSFORMER POWELL ELECTRIC	242.533	CB	098	CF	Y	NA	NA	HF	11	7 A	Y
1EJS=X2A	TRANSFORMER POWELL ELECTRIC	242.533	AB	141	CF	Y	NA	NA	HF	11	4 A	Y
1EJS=X2B	TRANSFORMER POWELL ELECTRIC	242.533	AB	141	CF	Y	NA	NA	HF	11	4 A	Y
1EJS=X3A	TRANSFORMER POWELL ELECTRIC	242.533	SH-CL	143	CF	Y	NA	S	HF	63	33 A	Y
1EJS=X3B	TRANSFORMER POWELL ELECTRIC	242.533	SH-CL	143	CF	Y	NA	S	HF	63	33 A	Y

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

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

SYSTEM ENB SHGR STANDBY 4160V - DC CONTROL SUPPLY										
BOP EQUIPMENT										
BAT BATTERY										
1ENB*BAT01A	STORAGE BATTERY GOULD	244.521	CB	116 CF	Y	NA	S	HF	>10	8 A Y
1ENB*BAT01B	STORAGE BATTERY GOULD	244.521	CB	116 CF	Y	NA	S	HF	>10	8 A Y
CHGR BATTERY CHARGER										
1ENB*CHGR1A	BATT. CHARGER POWER CONVERS. PROD.	244.523	CB	116 CF	Y	NA	NA	HF	16	8 A Y
1ENB*CHGR1B	BATT. CHARGER POWER CONVERS. PROD.	244.523	CB	116 CF	Y	NA	NA	HF	16	8 A Y
INV										
1ENB*INV01A	INVERTER ELGAR CORP.	244.512	CB	116 CF	Y	NA	NA	HF		8,9 A Y
1ENB*INV01B	INVERTER ELGAR CORP.	244.512	CB	116 CF	Y	NA	NA	HF		8,9 A Y
HCC MOTOR CONTROL CENTER										
1ENB*HCC1	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	95 CF	Y	NA	NA	HF	5	2 A Y
PNL PANEL										
1ENB*PNL02A	PANEL BOARDS SQUARE "D" CO.	242.421	CB	136 DH	Y	NA	NA	SF	18	9 A Y
1ENB*PNL02B	PANEL BOARDS SQUARE "D" CO.	242.421	CB	136 DH	Y	NA	NA	SF	18	9 A Y

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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
										QUAL INST	

SYSTEM ENB SHGR STANDBY 4160V - DC CONTROL SUPPLY											
PNL PANEL											
1ENB=PNL03A	PANEL BOARDS SQUARE "D" CO.	242.421	DG	98	DW	Y	NA	NA	SF	18	12 A Y
1ENB=PNL03B	PANEL BOARDS SQUARE "D" CO.	242.421	DG	98	DW	Y	NA	NA	SF	18	12 A Y
1ENB=PNL04A	PANEL BOARDS SQUARE "D" CO.	242.421	CB	98	DW	Y	NA	NA	SF	18	12 C FL
SHG SWITCHGEAR											
1ENB=SHG01A	SWITCHGEAR BROWN-BOVERI	242.521	CB	098	CF	Y	NA	NA	HF	6	7 A Y
1ENB=SHG01B	SWITCHGEAR BROWN-BOVERI	242.521	CB	098	CF	Y	NA	NA	HF	6	7 A Y

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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 ENS SHGR STANDEY 4160V - SYSTEM

BOP EQUIPMENT

SHG SWITCHGEAR

1ENS*SHG1A	SWITCHGEAR BROWN-BOVERI	242.521	CB	098	CF	Y	NA	NA	HF	14	7 A	Y
1ENS*SHG1B	SWITCHGEAR BROWN-BOVERI	242.521	CB	098	CF	Y	NA	NA	HF	14	7 A	Y
1ENS*SHG2A	SWITCHGEAR BROWN-BOVERI	242.521	DG	098	CF	Y	NA	NA	HF	8	12 A	Y
1ENS*SHG2B	SWITCHGEAR BROWN-BOVERI	242.521	DG	098	CF	Y	NA	NA	HF	8	12 A	Y
1ENS*SHG3A	SWITCHGEAR BROWN-BOVERI	242.521	FB	095	CF	Y	NA	NA	HF	8	17 A	Y
1ENS*SHG3B	SWITCHGEAR BROWN-BOVERI	242.521	AB	114	CF	Y	NA	NA	HF	8	3 A	Y
1ENS*SHG4A	SWITCHGEAR BROWN-BOVERI	242.521	FB	095	CF	Y	NA	NA	HF	8	17 A	Y
1ENS*SHG4B	SWITCHGEAR BROWN-BOVERI	242.521	AB	114	CF	Y	NA	NA	HF	8	3 A	Y

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
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		BLDG	ELEV	HTG	SEIS	SEIS	SEIS	SEIS	SEIS	SEIS	SEIS	SEIS	SEIS	SEIS	SEIS	SEIS	SEIS

SYSTEM E12 RESIDUAL HEAT REMOVAL																	
BOP EQUIPMENT																	
AOVF																	
1E12*AOVF041A	CHECK VALVES ATHOOD & HORRILL CO.	228.218	DM	114	LH	Y	Y	Y	S	HF	108	NA	A	Y			
1E12*AOVF041B	CHECK VALVES ATHOOD & HORRILL CO.	228.218	DM	114	LH	Y	Y	Y	S	HF	108	NA	A	Y			
1E12*AOVF041C	CHECK VALVES ATHOOD & HORRILL CO.	228.218	DM	114	LH	Y	Y	Y	S	HF	108	NA	A	Y			
1E12*AOVF098	CHECK VALVES ATHOOD & HORRILL CO.	228.218	AB	95	LH	Y	NA	S	HF	47	NA	A	Y				

LVF																	
1E12*LVF065A	2"-300# GLOBE FISHER CONTROLS	247.491	AB	070	LH	Y	NA	S	SF	51	NA	A	Y				
1E12*LVF065B	2"-300# GLOBE FISHER CONTROLS	247.491	AB	070	LH	Y	NA	S	SF	51	NA	A	Y				

HOVF																	
1E12*HOVF003A	VALVE H.O. 14"-300 LB VELAN	228.212	AB	070	LH	Y	Y	S	SF	48	NA	A	Y				
1E12*HOVF003B	VALVE H.O. 14"-300 LB VELAN	228.212	AB	070	LH	Y	Y	S	SF	48	NA	A	Y				
1E12*HOVF004A	VALVE H.O. 20"-300 LB VELAN	228.212	AB	070	LH	Y	Y	S	SF	64	NA	A	Y				
1E12*HOVF004B	VALVE H.O. 20"-300 LB VELAN	228.212	AB	070	LH	Y	Y	S	SF	64	NA	A	Y				

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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. 50-456

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 E12 RESIDUAL HEAT REMOVAL											
MOVF *											
1E12*HOVF006A	VALVE H.O. 12"-300 LB VELAN	228.212	AB	070	LH	Y	Y	S	SF	65	NA A Y
1E12*HOVF006B	VALVE H.O. 12"-300 LB VELAN	228.212	AB	070	LH	Y	Y	S	SF	65	NA A Y
1E12*HOVF008	VALVE H.O. 18"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	44	NA A Y
1E12*HOVF009	VALVE H.O. 18"-600 LB VELAN	228.212	DH	095	LH	Y	Y	S	SF	44	NA A Y
1E12*HOVF011A	VALVE H.O. 4"-600 LB VELAN	228.212	AB	095	LH	Y	Y	S	SF	52	NA A Y
1E12*HOVF011B	VALVE H.O. 4"-600 LB VELAN	228.212	AB	095	LH	Y	Y	S	SF	52	NA A Y
1E12*HOVF021	VALVE H.O. 14"-300 LB VELAN	228.212	AB	095	LH	Y	Y	S	SF	48	NA A Y
1E12*HOVF023	VALVE H.O. 4"-900 LB VELAN	228.212	AB	095	LH	Y	Y	S	SF	48	NA A Y
1E12*HOVF024A	VALVE H.O. 14"-300 LB VELAN	228.212	AB	095	LH	Y	Y	S	SF	68	NA A Y
1E12*HOVF024B	VALVE H.O. 14"-300 LB VELAN	228.212	AB	095	LH	Y	Y	S	SF	68	NA A Y
1E12*HOVF026A	VALVE H.O. 4"-60 LB VELAN	228.212	AB	076	LH	Y	Y	S	SF	52	NA A Y
1E12*HOVF026B	VALVE H.O. 4"-60 LB VELAN	228.212	AB	076	LH	Y	Y	S	SF	52	NA A Y

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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	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM E12 RESIDUAL HEAT REMOVAL												
MOVF												
1E12*MOVFO27A	VALVE H.O. 10"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	58	NA A	Y
1E12*MOVFO27B	VALVE H.O. 10"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	58	NA A	Y
1E12*MOVFO37A	VALVE H.O. 10"-300 LB VELAN	228.212	CT	114	LH	Y	Y	S	SF	67	NA A	Y
1E12*MOVFO37B	VALVE H.O. 10"-300 LB VELAN	228.212	CT	114	LH	Y	Y	S	SF	67	NA A	Y
1E12*MOVFO40	VALVE H.O. 6"-600 LB VELAN	228.212	AB	076	LH	Y	NA	S	SF	65	NA A	Y
1E12*MOVFO42A	VALVE H.O. 10"-600 LB. VELAN	228.212	CT	114	LH	Y	Y	S	SF	58	NA A	Y
1E12*MOVFO42B	VALVE H.O. 10"-600 LB VELAN	228.212	CT	114	LH	Y	Y	S	SF	58	NA A	Y
1E12*MOVFO42C	VALVE H.O. 10"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	58	NA A	Y
1E12*MOVFO47A	VALVE H.O. 14"-600 LB VELAN	228.212	AB	095	LH	Y	NA	S	SF	68	NA A	Y
1E12*MOVFO47B	VALVE H.O. 14"-600 LB VELAN	228.212	AB	095	LH	Y	NA	S	SF	68	NA A	Y
1E12*MOVFO48A	VALVE H.O. 14"-300 LB VELAN	228.212	AB	070	LH	Y	Y	S	SF	48	NA A	Y
1E12*MOVFO48B	VALVE H.O. 14"-300 LB VELAN	228.212	AB	070	LH	Y	Y	S	SF	48	NA A	Y

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MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
N555 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 E12 RESIDUAL HEAT REMOVAL												
HOVF												
1E12*HOVF049	VALVE H.O. 6"-600 LB VELAN	228.212	AB	076	LH	Y	Y	S	SF	54	NA A	Y
1E12*HOVF053A	VALVE H.O. 10"-900 LB VELAN	228.212	AB	095	LH	Y	Y	S	SF	72	NA A	Y
1E12*HOVF053B	VALVE H.O. 10"-900 LB VELAN	228.212	AB	095	LH	Y	NA	S	SF	72	NA A	Y
1E12*HOVF064A	VALVE H.O. 4"-60 LB VELAN	228.212	AB	076	LH	Y	NA	S	SF	52	NA A	Y
1E12*HOVF064B	VALVE H.O. 4"-60 LB VELAN	228.212	AB	076	LH	Y	Y	S	SF	52	NA A	Y
1E12*HOVF064C	VALVE H.O. 4"-60 LB VELAN	228.212	AB	076	LH	Y	NA	S	SF	52	NA A	Y
1E12*HOVF068A	18"-155# BUTTERFLY JAMESBURY	228.243	PT	70	LH	Y	NA	D	SF	52	NA A	Y
1E12*HOVF068B	18"-155# BUTTERFLY JAMESBURY	228.243	PT	70	LH	Y	NA	D	SF	52	NA A	Y
1E12*HOVF087A	VALVE H.O. 8"-900 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	87	NA A	Y
1E12*HOVF087B	VALVE H.O. 8"-900 LB VELAN	228.212	AB	114	LH	Y	NA	S	SF	87	NA A	Y
1E12*HOVF094	VALVE H.O. 10"-600 LB VELAN	228.212	AB	78	LH	Y	Y	S	SF	58	NA A	Y
1E12*HOVF096	VALVE H. O. 10"-600 LB VELAN	228.212	AB	076	LH	Y	Y	S	HF	58	NA A	Y

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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	LOHEST	---STATUS---	QUAL INST

SYSTEM E12 RESIDUAL HEAT REMOVAL											
HOVF *											
1E12*HOVF105	VALVE H.O. 20"-150 LB VELAN	228.212	AB	070 LH	Y	Y	S	SF	64	NA A	Y
1E12*HOVF52A	VALVE H.O. 8"-900 LB VELAN	228.212	AB	114 LH	Y	Y	S	SF	99	NA A	Y
1E12*HOVF52B	VALVE H.O. 8"-900 LB VELAN	228.212	AB	114 LH	Y	NA	S	SF	87	NA A	Y
1E12*HOVF73A	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	095 LN	Y	Y	S	SF	78	NA A	Y
1E12*HOVF73B	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	095 LH	Y	Y	S	SF	78	NA A	Y
1E12*HOVF74A	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	095 LH	Y	NA	S	SF	78	NA A	Y
1E12*HOVF74B	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	095 LH	Y	NA	S	SF	78	NA A	Y
PC *											
1E12*PC003	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	AB	78 DH	Y	NA	S	NA	41	2 A	Y
PVF *											
1E12*PVF051A	4"-900# GLOBE FISHER CONTROLS	247.491	AB	114 LH	Y	Y	S	SF	51	NA A	Y
1E12*PVF051B	4"-900# GLOBE FISHER CONTROLS	247.491	AB	114 LH	Y	Y	S	SF	51	NA A	Y

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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.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS	QUAL	INST

SYSTEM E12 RESIDUAL HEAT REMOVAL														
RVF														
1E12*RVF005	RELIEF VALVES CROSBY	247.521	AB	78	LH	Y	NA	S	SO	342	NA A	Y		
1E12*RVF017A	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	NA	S	SO	342	NA A	Y		
1E12*RVF017B	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	NA	S	SO	342	NA A	Y		
1E12*RVF025A	RELIEF VALVES CROSBY	247.521	AB	98	LH	Y	NA	S	SO	296	NA A	Y		
1E12*RVF025B	RELIEF VALVES CROSBY	247.521	AB	95	LH	Y	NA	S	SO	296	NA A	Y		
1E12*RVF030	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	NA	S	SO	239	NA A	Y		
1E12*RVF036	RELIEF VALVES CROSBY	247.521	AB	84	LH	Y	NA	S	SO	98	NA A	Y		
1E12*RVF055A	RELIEF VALVES CROSBY	247.521	AB	106	LH	Y	NA	S	SO	123	NA A	Y		
1E12*RVF055B	RELIEF VALVES CROSBY	247.521	AB	106	LH	Y	NA	S	SO	123	NA A	Y		
1E12*RVF100A	RELIEF VALVES CROSBY	247.521	AB	85	LH	Y	NA	S	SO	268	NA A	Y		
1E12*RVF100B	RELIEF VALVES CROSBY	247.521	AB	85	LH	Y	NA	S	SO	268	NA A	Y		

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MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: 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	---STATUS---

SYSTEM E12 RESIDUAL HEAT REMOVAL												
RVF *												
1E12*RVF101	RELIEF VALVES CROSBY		247.521	AB	70	LH	Y	NA	S	SO	239	NA A Y
SOVF *												
1E12*SOVF060A	VALVE 3/4" TARGET ROCK		247.501	AB	70	LH	Y	NA	S	HF	139	NA A Y
1E12*SOVF060B	VALVE 3/4" TARGET ROCK		247.501	AB	70	LH	Y	NA	S	HF	139	NA A Y
1E12*SOVF075A	VALVE 3/4" TARGET ROCK		247.501	AB	70	LH	Y	NA	S	HF	139	NA A Y
1E12*SOVF075B	VALVE 3/4" TARGET ROCK		247.501	AB	70	LH	Y	NA	S	HF	139	NA A Y
1E12*SOVF095	VALVE 3/4" TARGET ROCK		247.501	AB	70	LH	Y	NA	S	HF	139	NA A Y
VF *												
1E12*VF010	18"-600 GATE VALVE VELAN		228.211	DW	95	LH	Y	Y	S	SF	54	NA A Y
1E12*VF029A	14"-300# GATE VALVE VELAN		228.211	AB	73	LH	Y	NA	S	NA	>33	NA A Y
1E12*VF029B	14"-300# GATE VALVE VELAN		228.211	AB	73	LH	Y	NA	S	NA	>33	NA A Y
1E12*VF029C	14"-300# GATE VALVE VELAN		228.211	AB	76	LH	Y	NA	S	NA	>33	NA A Y
1E12*VF039A	10"-600# GATE VALVE VELAN		228.211	DW	136	LH	Y	Y	S	SF	102	NA A Y

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

SYSTEM E12 RESIDUAL HEAT REMOVAL							
VF							
1E12*VF039B	10"-600# GATE VALVE VELAN	228.211	DW 136 LH	Y Y	S SF	102	NA A Y
1E12*VF039C	10"-600# GATE VALVE VELAN	228.211	DW 136 LH	Y Y	S SF	102	NA A Y
1E12*VF067	14"-300# GATE VALVE VELAN	228.211	AB 76 LH	Y NA	S NA	>33	NA A Y
1E12*VF099A	8"-300# GATE VALVE VELAN	228.211	CT 125 LH	Y Y	S NA	87	NA A Y
1E12*VF099B	8"-300# GATE VALVE VELAN	228.211	CT 122 LH	Y Y	S NA	87	NA A Y

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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---	
			BLDG	ELEV HTG	SEIS	HYDR			ANLYS	TEST
										QUAL INST

SYSTEM E21 CORE SPRAY - LOW PRESSURE

BOP EQUIPMENT

AOVF

1E21*AOVF006	CHECK VALVES ATWOOD & MORRILL CO.	228.218	DH	141	LH	Y	Y	S	HF	108	NA A	Y
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MOVF

1E21*MOVF001	VALVE H.O. 20"-300 LB VELAN	228.212	AB	070	LH	Y	Y	S	SF	64	NA A	Y
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1E21*MOVF005	VALVE H.O. 10"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	58	NA A	Y
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1E21*MOVF011	VALVE H.O. 4"-600 LB VELAN	228.212	AB	095	LH	Y	Y	S	SF	52	NA A	Y
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1E21*MOVF012	VALVE H.O. 10"-300 LB VELAN	228.212	AB	095	LH	Y	Y	S	SF	67	NA A	Y
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PC

1E21*PC002	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	AB	78	DH	Y	NA	S	NA	41	2 A	Y
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RVF

1E21*RVF018	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	NA	S	SO	296	NA A	Y
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1E21*RVF031	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	NA	S	SO	168	NA A	Y
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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	-----EQUIPMENT----- DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---	---LOADS---	-QUAL METH-	-NAT FREQ-	----RRS REF----
			BLDG ELEV MTG	SEIS HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST

SYSTEM E21 CORE SPRAY - LOW PRESSURE

VF

1E21*VF007	10"-600 GATE VALVE VELAN	228.211	DW	141 LH	Y	Y	S	SF	102	NA A	Y
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ENGINEER: 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	HTG	SEIS	HYDR	ANLYS			TEST	LOWEST

SYSTEM E22 CORE SPRAY - HIGH PRESSURE													
BOP EQUIPMENT													
AOVF													
1E22*AOVF005	CHECK VALVES ATHOOD & MORRILL CO.		228.218	DH	141	LH	Y	Y	S	MF	108	NA A	Y
LTN													
1E22*LTN055C	LEVEL TRANSMITTER ROSEMOUNT(211.161)		247.481	CT	120	RH	YH	Y	NA	MF	49	44,46 A	Y
1E22*LTN055G	LEVEL TRANSMITTER ROSEMOUNT(211.161)		247.481	CT	120	RH	Y	Y	NA	MF	49	44,46 A	Y
LY													
1E22*LY3C	FLOW CONTROLLER BROOKS INSTR		211.161	CT	120	LH	Y	Y	NA	SF	>100	47,114,147 A	Y
1E22*LY3G	FLOW CONTROLLER BROOKS INSTR		211.161	CT	120	LH	Y	Y	NA	SF	>100	47,114,147 A	Y
PC													
1E22*PC003	CENTRIFUGAL PUMPS GOULD PUMPS		237.160	AB	78	DH	Y	NA	S	NA	41	2 A	Y
RVF													
1E22*RVF014	RELIEF VALVES CROSBY		247.521	AB	70	LH	Y	NA	S	SO	268	NA A	Y
1E22*RVF035	RELIEF VALVES CROSBY		247.521	AB	70	LH	Y	NA	S	SO	699	NA A	Y
1E22*RVF039	RELIEF VALVES CROSBY		247.521	AB	70	LH	Y	NA	S	SO	699	NA A	Y

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MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-450

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL	INST

SYSTEM E22 CORE SPRAY - HIGH PRESSURE													
VF *													
1E22*VF036	10"-900# GATE VALVE VELAN	220.211	DW	141	LM	Y	Y	S	SF	151	NA A	Y	

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM E33 MAIN STEAM ISOLATION VALVE SEALS

BOP EQUIPMENT

MOV

1E33*MOV005	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	114	LH	Y	NA	S	SF	78	NA A	Y
1E33*MOV006	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	114	LH	Y	NA	S	SF	78	NA A	Y
1E33*MOV007	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	114	LH	Y	NA	S	SF	78	NA A	Y
1E33*MOV008	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	114	LH	Y	NA	S	SF	78	NA A	Y
1E33*MOV025	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	114	LH	Y	NA	S	SF	78	NA A	Y
1E33*MOV026	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	114	LH	Y	NA	S	SF	78	NA A	Y
1E33*MOV027	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	114	LH	Y	NA	S	SF	78	NA A	Y
1E33*MOV028	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	114	LH	Y	NA	S	SF	78	NA A	Y

PVF

1E33*PVF002	1"-150# GLOBE COPES VULCAN	247.497	AB	114	LH	Y	NA	S	HF	81	NA B	Y
1E33*PVF022	1"-150# GLOBE COPES VULCAN	247.497	AB	114	LH	Y	NA	S	HF	81	NA B	Y

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

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

SYSTEM E33 MAIN STEAM ISOLATION VALVE SEALS														
RVF *														
1E33*RVF003	RELIEF VALVES CROSBY	247.521	AB	141	LH	Y	NA	S	SO	239	NA A	Y		
1E33*RVF023	RELIEF VALVES CROSBY	247.521	AB	141	LH	Y	NA	S	SO	239	NA A	Y		
SOVF *														
1E33*SOVF014	VALVE 2" TARGET ROCK	247.501	AB	141	LH	Y	NA	S	HF	139	NA A	Y		
1E33*SOVF034	VALVE 2" TARGET ROCK	247.501	AB	141	LH	Y	NA	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	-----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 E51 REACTOR CORE ISOLATION COOLING SYSTEM												
BOP EQUIPMENT												
AOVF *												
1E51*AOVF004	1"-150# GLOBE FISHER CONTROLS	247.491	AB	70	LH	Y	NA	S	SF	>33	NA A	Y
1E51*AOVF005	1"-150# GLOBE FISHER CONTROLS	247.491	AB	70	LH	Y	NA	S	SF	>33	NA A	Y
1E51*AOVF025	1"-1500# GLOBE FISHER CONTROLS	247.491	AB	70	LH	Y	NA	S	SF	>33	NA A	Y
1E51*AOVF026	1"-1500# GLOBE FISHER CONTROLS	247.491	AB	70	LH	Y	NA	S	SF	>33	NA A	Y
1E51*AOVF054	1"-1500# GLOBE FISHER CONTROLS	247.491	AB	70	LH	Y	NA	S	SF	>33	NA A	Y
1E51*AOVF65	CHECK VALVES ATHOOD & MORRILL CO.	228.218	AB	114	LH	Y	Y	S	HF	38	NA A	Y
1E51*AOVF66	CHECK VALVES ATHOOD & MORRILL CO.	228.218	DH	173	LH	Y	Y	S	HF	38	NA A	Y
LTN *												
1E51*LTN036A	LEVEL TRANSMITTER ROSEMOUNT(211.161)	247.481	CT	120	RH	Y	Y	NA	HF	49	44,46 A	Y
1E51*LTN036E	LEVEL TRANSMITTER ROSEMOUNT(211.161)	247.481	CT	120	RH	Y	Y	NA	HF	49	44,46 A	Y

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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	-----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 E51 REACTOR CORE ISOLATION COOLING SYSTEM											
LY	*										
1E51*LY6A	FLOW CONTROLLER BROOKS INSTR	211.161	CT	120 LH	Y	Y	NA	SF	>100	47,114,147 A Y	
1E51*LY6E	FLOW CONTROLLER BROOKS INSTR	211.161	CT	120 LH	Y	Y	NA	SF	>100	47,114,147 A Y	
HOVF	*										
1E51*HOVF010	VALVE H.O. 6"-600 LB VELAN	228.212	AB	077 LH	Y	NA	S	SF	54	NA A Y	
1E51*HOVF013	VALVE H.O. 6"-900 LB VELAN	228.212	AB	095 LH	Y	Y	S	SF	58	NA A Y	
1E51*HOVF019	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	095 LH	Y	Y	S	SF	70	NA A Y	
1E51*HOVF022	VALVE H.O. 4"-900 LB VELAN	228.212	AB	077 LH	Y	NA	S	SF	48	NA A Y	
1E51*HOVF031	VALVE H.O. 6"-600 LB VELAN	228.212	AB	070 LH	Y	Y	S	SF	54	NA A Y	
1E51*HOVF045	VALVE H.O. 4"-900 LB VELAN	228.212	AB	070 LH	Y	NA	S	SF	48	NA A Y	
1E51*HOVF046	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	070 LH	Y	NA	S	SF	70	NA A Y	
1E51*HOVF059	VALVE H.O. 4"-900 LB VELAN	228.212	AB	077 LH	Y	NA	S	SF	44	NA A Y	
1E51*HOVF063	VALVE H.O. 8"-600 LB VELAN	228.212	CT	122 LH	Y	Y	S	SF	49	NA A Y	
1E51*HOVF064	VALVE H.O. 8"-600 LB VELAN	228.212	AB	114 LH	Y	Y	S	SF	49	NA A Y	

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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---	QUAL

SYSTEM E51 REACTOR CORE ISOLATION COOLING SYSTEM												
HOVF *												
1E51*HOVF068	VALVE H.O. 12"-300 LB VELAN	228.212	AB	095	LH	Y	Y	S	SF	79	NA A	Y
1E51*HOVF076	VALVE H.O. 3/4"-1500 LB VELAN	228.214	CT	114	LH	Y	Y	S	SF	50	NA A	Y
1E51*HOVF077	VALVE H.O. 1.5"-1500 LB VELAN	228.214	AB	095	LH	Y	NA	S	SF	61	NA A	Y
1E51*HOVF078	VALVE H.O. 2.5"-150 LB VELAN	228.212	AB	095	LH	Y	Y	S	SF	225	NA A	Y
PCVF *												
1E51*PCVF015	VALVE - 1" TARGET ROCK	247.501	AB	70	LH	Y	NA	S	MF	139	NA A	Y
PC *												
1E51*PC003	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	AB	70	CF	Y	NA	S	NA	41	2 A	Y
RVF *												
1E51*RVF017	RELIEF VALVES CROSBY	247.521	AB	73	LH	Y	NA	S	SO	239	NA A	Y
1E51*RVF018	RELIEF VALVES CROSBY	247.521	AB	75	LH	Y	NA	S	SO	185	NA A	Y
1E51*RVF090	RELIEF VALVES CROSBY	247.521	AB	78	LH	Y	NA	S	SO	699	NA A	Y

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SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS
											QUAL	INST

SYSTEM FNS												
BOP EQUIPMENT												
RAK RACK												
1FNS*RAK2A	RACKS WESTINGHOUSE	223.321	FB	70	CF	Y	NA	D	NA	7	16 A	Y
1FNS*RAK2B	RACKS WESTINGHOUSE	223.321	FB	70	CF	Y	NA	D	NA	7	16 A	Y
1FNS*RAK2C	RACKS WESTINGHOUSE	223.321	FB	70	CF	Y	NA	D	NA	7	16 A	Y

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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.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOHEST	RRS REF	STATUS

SYSTEM FPM FIRE PROTECTION - WATER												
BOP EQUIPMENT												
MOV MOTOR OPERATED VALVE												
1FPM#MOV121	VALVE H.O. 6"-600 LB VELAN	228.212	AB	141	LH	Y	Y	S	SF	54	NA A	Y
1FPM#MOV122	VALVE H.O. 6"-600 LB VELAN	228.212	AB	141	LH	Y	Y	S	SF	54	NA A	Y

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SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-456

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL	INST
-----------	-----------------------------	----------	------	------	-----	------	------	-------	------	--------	--------	------	------

SYSTEM FWS FEEDWATER SYSTEM

BOP EQUIPMENT

MOV MOTOR OPERATED VALVE

1FWS#MOV7A	VALVE H.O. 20"-900 LB VELAN	226.212	AB	114	LH	Y	Y	S	SF	49	NA A	Y
1FWS#MOV7B	VALVE H.O. 20"-900 LB VELAN	226.212	AB	114	LH	Y	Y	S	SF	49	NA A	Y

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

SYSTEM GTS GAS TREATMENT STANDBY												
BOP EQUIPMENT												
AOD AIR OPERATED DAMPER												
1GTS=AOD1A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39	1-34 A	Y	
1GTS=AOD1B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39	1-34 A	Y	
1GTS=AOD21A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39	1-34 A	Y	
1GTS=AOD21B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39	1-34 A	Y	
1GTS=AOD22A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39	1-34 A	Y	
1GTS=AOD22B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39	1-34 A	Y	
1GTS=AOD23A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39	1-34 A	Y	
1GTS=AOD23B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39	1-34 A	Y	
1GTS=AOD3A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39	1-34 A	Y	
1GTS=AOD3B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39	1-34 A	Y	
1GTS=AOD4A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39	1-34 A	Y	
1GTS=AOD4B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39	1-34 A	Y	

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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	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST
	MANUFACTURER											

SYSTEM GTS GAS TREATMENT STANDBY												
DHP												
1GTS=DHP1A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1GTS=DHP1B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1GTS=DHP2A	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1GTS=DHP2B	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1GTS=DHP3A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1GTS=DHP3B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1GTS=DHP4A	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1GTS=DHP4B	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1GTS=DHP5A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1GTS=DHP5B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1GTS=DHP6A	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1GTS=DHP6B	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 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
HSSS 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 GTS GAS TREATMENT STANDBY													
FE FLOW ELEMENT													
1GTS*FE24A	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	HF	NA		NA A	Y
1GTS*FE24B	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	HF	NA		NA A	Y
FLT FILTER													
1GTS*FLT1A	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	AB	141	CF	Y	NA	D	HF	9		4 A	Y
1GTS*FLT1B	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	AB	141	CF	Y	NA	D	HF	9		4 A	Y
FN FAN													
1GTS*FN1A	EXHAUST BLOWERS BUFFALO FORGE	215.400	AB	141	CF	Y	NA	S	NA	20		4 A	Y
1GTS*FN1B	EXHAUST BLOWERS BUFFALO FORGE	215.400	AB	141	CF	Y	NA	S	NA	20		4 A	Y
1GTS*FN2A	DECAY HEAT FAN BUFFALO FORGE	215.400	AB	141	CF	Y	NA	S	NA	112		4 A	Y
1GTS*FN2B	DECAY HEAT FAN BUFFALO FORGE	215.400	AB	141	CF	Y	NA	S	NA	112		4 A	Y
FS FLOW SWITCH													
1GTS*FS24A	FLOW SWITCH FCI	247.433	AB	145	DH	Y	NA	NA	HF	NA		5 A	Y
1GTS*FS24B	FLOW SWITCH FCI	247.433	FB	145	DH	Y	NA	NA	HF	NA		5 A	Y

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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.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	RRS REF
											QUAL	INST

SYSTEM GTS GAS TREATMENT STANDBY

PT PRESSURE TRANSMITTER

IGTS-PT15A	PRESS. TRANSHITT. ROSEMOUNT	247.481	AB	146	RH	Y	NA	NA	MF	48	5 A	Y
IGTS-PT15B	PRESS. TRANSHITT. ROSEMOUNT	247.481	AB	146	RH	Y	NA	NA	MF	48	5 A	Y

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

ENGINEER: STONE & WEBSTER
N555 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	HTG	SEIS	HYDR			---STATUS--- QUAL INST	

SYSTEM G33 REACTOR WATER CLEAN-UP											
BOP EQUIPMENT											
HOVF											
1G33*HOVF001	VALVE H.O. 6"-600 LB VELAN	228.212	DW	107	LN	Y	Y	S	SF	54	NA A Y
1G33*HOVF004	VALVE H.O. 6"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	54	NA A Y
1G33*HOVF028	VALVE H.O. 4"-600 LB VELAN	228.212	CT	147	LH	Y	Y	S	SF	52	NA A Y
1G33*HOVF031	VALVE H.O. 4"-600 LB VELAN	228.212	CT	141	LH	Y	Y	S	SF	48	NA A Y
1G33*HOVF034	VALVE H.O. 4"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	52	NA A Y
1G33*HOVF035	VALVE H.O. 4"-60 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	52	NA A Y
1G33*HOVF039	VALVE H.O. 6"-900 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	58	NA A Y
1G33*HOVF040	VALVE H.O. 6"-900 LB VELAN	228.212	CT	147	LH	Y	Y	S	SF	58	NA A Y
1G33*HOVF042	VALVE H.O. 6"-900 LB VELAN	228.212	CT	147	LH	Y	Y	S	SF	53	NA A Y
1G33*HOVF044	VALVE H.O. 4"-600 LB VELAN	228.212	CT	147	LH	Y	Y	S	SF	52	NA A Y
1G33*HOVF046	VALVE H.O. 4"-60 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	52	NA A Y
1G33*HOVF053	VALVE H.O. 4"-900 LB VELAN	228.212	CT	147	LH	Y	Y	S	SF	44	NA A Y

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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--- QUAL INST

SYSTEM G33 REACTOR WATER CLEAN-UP							
BOP EQUIPMENT							
HOVF							
1G33*HOVF054	VALVE H.O. 4"-900 LB VELAN	228.212	AB 114 LH	Y Y	S SF	44	NA A Y
1G33*HOVF100	VALVE H.O. 4"-60 LB VELAN	228.212	DH 001 LH	Y Y	S SF	52	NA A Y
1G33*HOVF101	VALVE H.O. 3"-600 LB VELAN	228.212	DH 001 LH	Y Y	S SF	49	NA A Y
1G33*HOVF102	VALVE H.O. 6"-600 LB VELAN	228.212	DH 001 LH	Y Y	S SF	65	NA A Y
1G33*HOVF104	VALVE H.O. 4"-900 LB VELAN	228.212	CT 147 LH	Y Y	S SF	48	NA A Y
1G33*HOVF106	VALVE H.O. 4"-60 LB VELAN	228.212	DH 001 LH	Y Y	S SF	52	NA A Y
1G33*HOVF107	VALVE H.O. 4"-900 LB VELAN	228.212	CT 147 LH	Y Y	S SF	48	NA A Y
SOVF							
1G33*SOVF041	VALVE 3/4" TARGET ROCK	247.501	AB 114 LH	Y NA	S HF	139	NA A Y

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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- LOWEST	----RRS REF----				
			BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST		---STATUS---	QUAL INST			

SYSTEM HCS HYDROGEN RECOMBINER															
BOP EQUIPMENT															
IGN															
1HCS*IGN01A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	239	DM	Y	Y	NA	MF	NA	51,118,151 A Y				
1HCS*IGN01B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	239	DM	Y	Y	NA	MF	NA	51,118,151 A Y				
1HCS*IGN02A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	239	DM	Y	Y	NA	MF	NA	51,118,151 A Y				
1HCS*IGN02B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	239	DM	Y	Y	NA	MF	NA	51,118,151 A Y				
1HCS*IGN03A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	239	DM	Y	Y	NA	MF	A	51,118,151 A Y				
1HCS*IGN03B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	239	DM	Y	Y	NA	MF	NA	51,118,151 A Y				
1HCS*IGN04A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	239	DM	Y	Y	NA	MF	NA	51,118,151 A FL				
1HCS*IGN04B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	239	DM	Y	Y	NA	MF	NA	51,118,151 A Y				
1HCS*IGN05A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	239	DM	Y	Y	NA	MF	NA	51,118,151 A Y				
1HCS*IGN05B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	239	DM	Y	Y	NA	MF	NA	51,118,151 A Y				
1HCS*IGN06A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	239	DM	Y	Y	NA	MF	NA	51,118,151 A Y				
1HCS*IGN06B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	239	DM	Y	Y	NA	MF	NA	51,118,151 A Y				

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JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
N555 SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-450

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 HCS HYDROGEN RECOMBINER											
BOP EQUIPMENT											
IGN *											
1HCS*IGN07A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	239 DH	Y	Y	NA	HF	NA	51,110,151 A Y	
1HCS*IGN07B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	239 DH	Y	Y	NA	HF	NA	51,110,151 A Y	
1HCS*IGN08A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	239 DH	Y	Y	NA	HF	NA	51,110,151 A Y	
1HCS*IGN08B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	239 DH	Y	Y	NA	HF	NA	51,110,151 A Y	
1HCS*IGN09A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	239 DH	Y	Y	NA	HF	NA	51,110,151 A Y	
1HCS*IGN09B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	239 DH	Y	Y	NA	HF	NA	51,110,151 A Y	
1HCS*IGN10A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	239 DH	Y	Y	NA	HF	NA	51,110,151 A FL	
1HCS*IGN10B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	239 DH	Y	Y	NA	HF	NA	51,110,151 A Y	
1HCS*IGN11A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	165 DH	Y	Y	NA	HF	NA	49,116,149 A Y	
1HCS*IGN11B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	173 DH	Y	Y	NA	HF	NA	49,116,149 A Y	
1HCS*IGN12A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	172 DH	Y	Y	NA	HF	NA	49,116,149 A Y	
1HCS*IGN12B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	172 DH	Y	Y	NA	HF	NA	49,116,149 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	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL

SYSTEM HCS HYDROGEN RECOMBINER												
BOP EQUIPMENT												
IGN *												
1HCS*IGN13A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	167	DM	Y	Y	NA	MF	NA	49,116,149 A Y	
1HCS*IGN13B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	167	DM	Y	Y	NA	MF	NA	49,116,149 A Y	
1HCS*IGN14A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	173	DM	Y	Y	NA	MF	NA	49,116,149 A Y	
1HCS*IGN14B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	169	DM	Y	Y	NA	MF	NA	49,116,149 A Y	
1HCS*IGN15A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	183	DM	Y	Y	NA	MF	NA	49,116,149 A Y	
1HCS*IGN15B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	183	DM	Y	Y	NA	MF	NA	49,116,149 A Y	
1HCS*IGN16A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	173	DM	Y	Y	NA	MF	NA	49,116,149 A Y	
1HCS*IGN16B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	173	DM	Y	Y	NA	MF	NA	49,116,149 A Y	
1HCS*IGN17A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	172	DM	Y	Y	NA	MF	NA	49,116,149 A Y	
1HCS*IGN17B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	173	DM	Y	Y	NA	MF	NA	49,116,149 A Y	
1HCS*IGN18A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	173	DM	Y	Y	NA	MF	NA	49,116,149 A Y	
1HCS*IGN18B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	173	DM	Y	Y	NA	MF	NA	49,116,149 A Y	

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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	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LONEST	RRS REF	STATUS

SYSTEM HCS HYDROGEN RECOMBINER												
BOP EQUIPMENT												
IGN												
1HCS*IGN19A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	172	DM	Y	Y	NA	MF	NA	49,116,149 A Y	
1HCS*IGN19B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	173	DM	Y	Y	NA	MF	NA	49,116,149 A Y	
1HCS*IGN20A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	172	DM	Y	Y	NA	MF	NA	49,116,149 A Y	
1HCS*IGN20B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	170	DM	Y	Y	NA	MF	NA	49,116,149 A Y	
1HCS*IGN21A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	165	DM	Y	Y	NA	MF	NA	49,116,149 A Y	
1HCS*IGN21B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	165	DM	Y	Y	NA	MF	NA	49,116,149 A Y	
1HCS*IGN22A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	150	DM	Y	Y	NA	MF	NA	48,115,148 A Y	
1HCS*IGN22B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	153	DM	Y	Y	NA	MF	NA	48,115,148 A Y	
1HCS*IGN23A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	159	DM	Y	Y	NA	MF	NA	48,115,148 A Y	
1HCS*IGN23B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	152	DM	Y	Y	NA	MF	NA	48,115,148 A Y	
1HCS*IGN24A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	155	DM	Y	Y	NA	MF	NA	48,115,148 A Y	
1HCS*IGN25A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	151	DM	Y	Y	NA	MF	NA	48,115,148 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
N555 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---	QUAL INST

SYSTEM HCS HYDROGEN RECOMBINER											
BOP EQUIPMENT											
IGN *											
1HCS*IGN25B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	151 DM	Y	Y	NA	HF	NA	48,115,148 A Y	
1HCS*IGN26A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	156 DM	Y	Y	NA	HF	NA	48,115,148 A Y	
1HCS*IGN26B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	150 DM	Y	Y	NA	HF	NA	48,115,148 A Y	
1HCS*IGN27A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	151 DM	Y	Y	NA	HF	NA	48,115,148 A Y	
1HCS*IGN27B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	152 DM	Y	Y	NA	HF	NA	48,115,148 A Y	
1HCS*IGN28A	HYDROGEN IGNITERS POWER SYSTEM	211.161	DH	156 DM	Y	Y	NA	HF	NA	61,128,161 A Y	
1HCS*IGN28B	HYDROGEN IGNITERS POWER SYSTEM	211.161	DH	156 DM	Y	Y	NA	HF	NA	61,128,161 A Y	
1HCS*IGN29A	HYDROGEN IGNITERS POWER SYSTEM	211.161	DH	156 DM	Y	Y	NA	HF	NA	61,128,161 A Y	
1HCS*IGN29B	HYDROGEN IGNITERS POWER SYSTEM	211.161	DH	156 DM	Y	Y	NA	HF	NA	61,128,161 A Y	
1HCS*IGN30A	HYDROGEN IGNITERS POWER SYSTEM	211.161	DH	156 DM	Y	Y	NA	HF	NA	61,128,161 A Y	
1HCS*IGN30B	HYDROGEN IGNITERS POWER SYSTEM	211.161	DH	156 DM	Y	Y	NA	HF	NA	61,128,161 A Y	
1HCS*IGN31A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	126 DM	Y	Y	NA	HF	NA	47,114,147 A Y	

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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	-----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 HCS HYDROGEN RECOMBINER												
BOP EQUIPMENT												
IGN *												
1HCS*IGN31B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	126 DH	Y	Y	NA	MF	NA		47,114,147 A Y	
1HCS*IGN32A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	126 DH	Y	Y	NA	MF	NA		47,114,147 A Y	
1HCS*IGN32B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	126 DH	Y	Y	NA	MF	NA		47,114,147 A Y	
1HCS*IGN33A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	126 DH	Y	Y	NA	MF	NA		47,114,147 A Y	
1HCS*IGN33B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	126 DH	Y	Y	NA	MF	NA		47,114,147 A Y	
1HCS*IGN34A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	126 DH	Y	Y	NA	MF	NA		47,114,147 A Y	
1HCS*IGN34B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	139 DH	Y	Y	NA	MF	NA		48,115,148 A Y	
1HCS*IGN35A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	136 DH	Y	Y	NA	MF	NA		47,114,147 A Y	
1HCS*IGN35B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	136 DH	Y	Y	NA	MF	NA		48,115,148 A FL	
1HCS*IGN36A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	136 DH	Y	Y	NA	MF	NA		47,114,147 A Y	
1HCS*IGN36B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	136 DH	Y	Y	NA	MF	NA		48,115,148 A Y	
1HCS*IGN37A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	135 DH	Y	Y	NA	MF	NA		48,115,148 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

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[illegible]

SYSTEM HCS HYDROGEN RECOMBINER

BOP EQUIPMENT

IGN

1HCS*IGN37B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	135	DH	Y	Y	NA	HF	NA	48,115,148 A Y
1HCS*IGN38A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	139	DH	Y	Y	NA	HF	NA	48,115,148 A Y
1HCS*IGN38B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	126	DH	Y	Y	NA	HF	NA	48,115,148 A Y
1HCS*IGN39A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	126	DH	Y	Y	NA	HF	NA	48,115,148 A Y
1HCS*IGN39B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	130	DH	Y	Y	NA	HF	NA	48,115,148 A Y
1HCS*IGN40A	HYDROGEN IGNITERS POWER SYSTEM	211.161	DH	139	DH	Y	Y	NA	HF	NA	60,127,160 A Y
1HCS*IGN40B	HYDROGEN IGNITERS POWER SYSTEM	211.161	DH	133	DH	Y	Y	NA	HF	NA	59,126,159 A Y
1HCS*IGN41A	HYDROGEN IGNITERS POWER SYSTEM	211.161	DH	140	DH	Y	Y	NA	HF	NA	60,127,160 A Y
1HCS*IGN41B	HYDROGEN IGNITERS POWER SYSTEM	211.161	DH	133	DH	Y	Y	NA	HF	NA	59,126,159 A Y
1HCS*IGN42A	HYDROGEN IGNITERS POWER SYSTEM	211.161	DH	138	DH	Y	Y	NA	HF	NA	60,127,160 A Y
1HCS*IGN42B	HYDROGEN IGNITERS POWER SYSTEM	211.161	DH	138	DH	Y	Y	NA	HF	NA	60,127,160 A Y
1HCS*IGN43A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	110	DH	Y	Y	NA	HF	NA	46,113,146 A Y

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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- TEST	-NAT FREQ- LOWEST	---RRS REF---	
			BLDG	ELEV	HTG	SEIS	HYDR			---STATUS---	QUAL

SYSTEM HCS HYDROGEN RECOMBINER											
BOP EQUIPMENT											
IGN											
1HCS*IGN43B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	110	DM	Y	Y	NA	HF	NA	46,113,146 A Y
1HCS*IGN44A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	112	DM	Y	Y	NA	HF	NA	46,113,146 A Y
1HCS*IGN44B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	111	DM	Y	Y	NA	HF	NA	46,113,146 A Y
1HCS*IGN45A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	111	DM	Y	Y	NA	HF	NA	46,113,146 A Y
1HCS*IGN45B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	112	DM	Y	Y	NA	HF	NA	46,113,146 A Y
1HCS*IGN46A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	110	DM	Y	Y	NA	HF	NA	46,113,146 A Y
1HCS*IGN46B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	112	DM	Y	Y	NA	HF	NA	46,113,146 A Y
1HCS*IGN47A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	112	DM	Y	Y	NA	HF	NA	46,113,146 A Y
1HCS*IGN47B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	112	DM	Y	Y	NA	HF	NA	46,113,146 A Y
1HCS*IGN48A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	111	DM	Y	Y	NA	HF	NA	46,113,146 A Y
1HCS*IGN48B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	111	DM	Y	Y	NA	HF	NA	46,113,146 A Y
1HCS*IGN49A	HYDROGEN IGNITERS POWER SYSTEM	211.161	DM	117	DM	Y	Y	NA	HF	NA	59,126,159 A Y

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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	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS
												INST

SYSTEM HCS HYDROGEN RECOMBINER

BOP EQUIPMENT

IGN

1HCS*IGN49B	HYDROGEN IGNITERS POWER SYSTEM	211.161	DW	117	DH	Y	Y	NA	HF	NA	59,126,159 A Y
1HCS*IGN50A	HYDROGEN IGNITERS POWER SYSTEM	211.161	DW	117	DH	Y	Y	NA	HF	NA	59,126,159 A Y
1HCS*IGN50B	HYDROGEN IGNITERS POWER SYSTEM	211.161	DW	117	DH	Y	Y	NA	HF	NA	59,126,159 A Y
1HCS*IGN51A	HYDROGEN IGNITERS POWER SYSTEM	211.161	DW	115	DH	Y	Y	NA	HF	NA	59,126,159 A Y
1HCS*IGN51B	HYDROGEN IGNITERS POWER SYSTEM	211.161	DW	117	DH	Y	Y	NA	HF	NA	59,126,159 A FL
1HCS*IGN52A	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	179	DH	Y	Y	NA	HF	NA	49,116,149 A Y
1HCS*IGN52B	HYDROGEN IGNITERS POWER SYSTEM	211.161	CT	179	DH	Y	Y	NA	HF	NA	49,116,149 A Y

PNL PANEL

1HCS*PNL01A2	PANEL BOARDS "D" CO.	242.421	AB	147	DH	Y	NA	NA	SF	12	4 A Y
1HCS*PNL01B2	PANEL BOARDS SQUARE "D" CO.	242.421	AB	147	DH	Y	NA	NA	SF	12	4 A Y

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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	
			BLDG	ELEV HTG	SEIS	HYDR	ANLYS	TEST		LOWEST	STATUS

SYSTEM HCS HYDROGEN RECOMBINER											
PHRS POWER SUPPLY											
1HCS*PHRS1A	POWER CABINET WESTINGHOUSE	224.520	AB	141	CF	Y	NA	N	NA	3	4 A Y
1HCS*PHRS1B	POWER CABINET WESTINGHOUSE	224.520	AB	141	CF	Y	NA	N	NA	3	4 A Y
RBNR											
1HCS*RBNR1A	HYDROGEN RECOMBINER WESTINGHOUSE	224.520	CT	186	CF	Y	Y	S	MF	11	62.129,162 A Y
1HCS*RBNR1B	HYDROGEN RECOMBINER WESTINGHOUSE	224.520	CT	186	CF	Y	Y	S	MF	11	62.129,162 A Y
XD TRANSFORMER DISTRIBUTION											
1HCS*XD01A	TRANSFORMER SO TRANS CO(211.161)	242.132	AB	150	DW	Y	NA	NA	SF	32	4 A Y
1HCS*XD01B	TRANSFORMER SO TRANS CO(211.161)	242.132	AB	150	DW	Y	NA	NA	SF	32	4 A Y

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MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
N555 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--- QUAL INST

SYSTEM HDL

BOP EQUIPMENT

MOV MOTOR OPERATED VALVE

1HDL#MOV58A	VALVE H.O. 1"-600 LB VELAN	228.216	TB	067 LH	Y	NA S	SF 58	NA A	Y
1HDL#MOV58B	VALVE H.O. 1"-600 LB VELAN	228.216	TB	067 LH	Y	NA S	SF 58	NA A	Y
1HDL#MOV58C	VALVE H.O. 1"-600 LB VELAN	228.216	TB	067 LH	Y	NA S	SF 58	NA A	Y
1HDL#MOV58D	VALVE H.O. 1"-600 LB VELAN	228.216	TB	067 LH	Y	NA S	SF 58	NA A	Y

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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. 50-450

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 HTS													
BOP EQUIPMENT													
PNL PANEL													
1HTS*PNL2H	PANELS SO TRANS CO(211.161)	242.132	AB	141	CF	Y						4 B	Y
1HTS*PNL2N	PANELS SO TRANS CO(211.161)	242.132	AB	141	CF	Y						4 B	Y
X													
1HTS*X2H	TRANSFORMER SO TRANS CO(211.161)	242.132	AB	141	DH	Y	NA	NA	SF	32		4 A	Y
1HTS*X2N	TRANSFORMER SO TRANS CO(211.161)	242.132	AB	141	DH	Y	NA	NA	SF	32		4 A	Y

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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.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOREST	RRS REF	STATUS

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA												
BOP EQUIPMENT												
ACU AIR CONDITIONING UNIT												
1HVC*ACU1A	AIR COND. UNIT BUFFALO FORGE	216.200	CB	115	CF	Y	NA	D	NA	11	8 A	Y
1HVC*ACU1B	AIR COND. UNIT BUFFALO FORGE	216.200	CB	115	CF	Y	NA	D	NA	11	8 A	Y
1HVC*ACU2A	AIR COND. UNIT BUFFALO FORGE	216.200	CB	70	CF	Y	NA	D	NA	10	6 A	Y
1HVC*ACU2B	AIR COND. UNIT BUFFALO FORGE	216.200	CB	70	CF	Y	NA	D	NA	10	6 A	Y
1HVC*ACU3A	AIR COND. UNIT BUFFALO FORGE	216.200	CB	98	CF	Y	NA	D	NA	32	7 A	Y
1HVC*ACU3B	AIR COND. UNIT BUFFALO FORGE	216.200	CB	98	CF	Y	NA	D	NA	32	7 A	Y
AOD AIR OPERATED DAMPER												
1HVC*AOD106	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	39	1-34 A	Y
1HVC*AOD107	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	39	1-34 A	Y
1HVC*AOD108	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	39	1-34 A	Y
1HVC*AOD12A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	39	1-34 A	Y
1HVC*AOD12B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	39	1-34 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 HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA											
A00 AIR OPERATED DAMPER											
1HVC=A00148	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVC=A00169	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVC=A00170	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVC=A00171	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVC=A00172	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVC=A0019A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVC=A0019B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVC=A0019C	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVC=A0019D	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVC=A0019E	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVC=A0019F	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVC=A003A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y

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

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA												
AOD AIR OPERATED DAMPER												
1HVC-AOD3B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-34 A	Y
1HVC-AOD35A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-34 A	Y
1HVC-AOD35B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-34 A	Y
1HVC-AOD35C	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-34 A	Y
1HVC-AOD35D	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-34 A	Y
1HVC-AOD3A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-34 A	Y
1HVC-AOD38B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-34 A	Y
1HVC-AOD43A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-34 A	Y
1HVC-AOD43B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-34 A	Y
1HVC-AOD5A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-34 A	Y
1HVC-AOD5B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-34 A	Y
1HVC-AOD51A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-34 A	Y

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

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA										
ADD AIR OPERATED DAMPER										
1HVC-A0051B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVC-A0052A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVC-A0052B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVC-A006A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVC-A006B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVC-A0070A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVC-A0070B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVC-A0071A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVC-A0071B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVC-A008A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVC-A008B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y

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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---	
			BLDG	ELEV HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL	INST

SYSTEM HVAC AIR CONDITIONING - CONTROL BUILDING OR AREA												
CH COIL HEATER												
1HVC*CH1A	ELECT. HEATING COIL BUFFALO FORGE	216.200	CB	115	EH	Y	NA	D	NA	NA	8	A Y
1HVC*CH1B	ELECT HEATING COIL BUFFALO FORGE	216.200	CB	115	EH	Y	NA	D	NA	NA	8	A Y
DHP *												
1HVC*DHP 8	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	50	1-34	A Y
DHPF *												
1HVC*DHPF1	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	HF	20	1-34	A Y
1HVC*DHPF10	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	HF	20	1-34	A Y
1HVC*DHPF100	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	HF	20	1-34	A Y
1HVC*DHPF101	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	HF	20	1-34	A Y
1HVC*DHPF102	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	HF	20	1-34	A Y
1HVC*DHPF103	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	HF	20	1-34	A Y
1HVC*DHPF104	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	HF	20	1-34	A Y
1HVC*DHPF105	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	HF	20	1-34	A Y

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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. 50-450

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 HVC AIR CONDITIONING - CONTROL BUILDING OR AREA											
DHPF *											
1HVC*DHPF106	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC*DHPF107	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC*DHPF108	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC*DHPF109	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC*DHPF111	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC*DHPF110	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC*DHPF111	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC*DHPF112	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC*DHPF113	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC*DHPF114	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC*DHPF115	EXHAUST AIR DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC*DHPF116	EXHAUST AIR DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y

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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		BLOG	ELEV	HTG	SEIS			HYDR	ANLYS	TEST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DHPF

1HVC-DHPF117	EXHAUST AIR DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC-DHPF118	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC-DHPF119	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC-DHPF12	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC-DHPF13	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC-DHPF14	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC-DHPF15	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC-DHPF16	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC-DHPF17	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC-DHPF18	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC-DHPF19	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC-DHPF2	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y

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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---	
			BLDG	ELEV HGT	SEIS	HYDR			ANLYS	TEST
										QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DHPF

1HVC=DHPF20	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC=DHPF21	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC=DHPF22	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC=DHPF23	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC=DHPF24	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC=DHPF25	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC=DHPF26	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC=DHPF27	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC=DHPF28	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC=DHPF29	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC=DHPF3	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	39	1-34 A	Y
1HVC=DHPF30	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y

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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.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA												
DHPF *												
1HVC-DHPF32	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20		1-34 A	Y
1HVC-DHPF33	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20		1-34 A	Y
1HVC-DHPF34	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20		1-34 A	Y
1HVC-DHPF35	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20		1-34 A	Y
1HVC-DHPF36	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20		1-34 A	Y
1HVC-DHPF37	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20		1-34 A	Y
1HVC-DHPF38	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20		1-34 A	Y
1HVC-DHPF39	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20		1-31 A	Y
1HVC-DHPF4	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	39		1-34 A	Y
1HVC-DHPF40	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20		1-34 A	Y
1HVC-DHPF41	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20		1-34 A	Y
1HVC-DHPF42	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20		1-34 A	Y

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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.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HVAC AIR CONDITIONING - CONTROL BUILDING OR AREA											
DHPF *											
1HVC-DHPF43	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC-DHPF44	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC-DHPF45	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC-DHPF46	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC-DHPF47	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC-DHPF48	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC-DHPF49	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC-DHPF5	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC-DHPF51	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC-DHPF52	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC-DHPF54	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC-DHPF56	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y

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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 HVAC AIR CONDITIONING - CONTROL BUILDING OR AREA											
DHPF *											
1HVC=DHPF57	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC=DHPF58	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC=DHPF59	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC=DHPF6	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	39	1-34 A	Y
1HVC=DHPF60	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC=DHPF61	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC=DHPF62	FIRE DRAWER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC=DHPF63	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC=DHPF64	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC=DHPF65	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC=DHPF66	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVC=DHPF67	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y

REPORT DATE 03/25/85

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

SYSTEM HVAC AIR CONDITIONING - CONTROL BUILDING OR AREA												
DHPF *												
1HVC-DHPF68	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20	1-34 A	Y	
1HVC-DHPF69	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20	1-34 A	Y	
1HVC-DHPF7	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20	1-34 A	Y	
1HVC-DHPF70	FIRE DRAHER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20	1-34 A	Y	
1HVC-DHPF71	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20	1-34 A	Y	
1HVC-DHPF72	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20	1-34 A	Y	
1HVC-DHPF73	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20	1-34 A	Y	
1HVC-DHPF74	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20	1-34 A	Y	
1HVC-DHPF75	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20	1-34 A	Y	
1HVC-DHPF76	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20	1-34 A	Y	
1HVC-DHPF77	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20	1-34 A	Y	
1HVC-DHPF78	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20	1-34 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. 50-450

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 HVAC AIR CONDITIONING - CONTROL BUILDING OR AREA											
DHPF *											
1HVC*DHPF79	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC*DHPF8	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC*DHPF80	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC*DHPF81	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC*DHPF82	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC*DHPF83	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC*DHPF84	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC*DHPF85	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC*DHPF86	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC*DHPF87	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC*DHPF88	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y
1HVC*DHPF89	FIRE DAMPER QUALITY AIR DESIGN	215.400	ORB	DW	Y	NA	S	MF	20	1-34 A	Y

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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 HVAC AIR CONDITIONING - CONTROL BUILDING OR AREA												
DHPF												
1HVC*DHPF9	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20		1-34 A	Y
1HVC*DHPF90	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20		1-34 A	Y
1HVC*DHPF91	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20		1-34 A	Y
1HVC*DHPF92	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20		1-34 A	Y
1HVC*DHPF93	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20		1-34 A	Y
1HVC*DHPF94	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20		1-34 A	Y
1HVC*DHPF95	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20		1-34 A	Y
1HVC*DHPF96	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20		1-34 A	Y
1HVC*DHPF97	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20		1-34 A	Y
1HVC*DHPF98	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20		1-34 A	Y
1HVC*DHPF99	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20		1-34 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-----	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----		
	DESCRIPTION MANUFACTURER		BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA												
DHP *												
1HVC=DHP10	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVC=DHP11	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVC=DHP12	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVC=DHP13	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVC=DHP14	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVC=DHP15	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVC=DHP16	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVC=DHP17	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVC=DHP18	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVC=DHP19	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVC=DHP2	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVC=DHP20	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 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-----	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---		
	DESCRIPTION MANUFACTURER		BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA												
DHP												
1HVC*DHP21	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y	
1HVC*DHP22	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y	
1HVC*DHP23	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y	
1HVC*DHP24	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y	
1HVC*DHP25	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y	
1HVC*DHP26	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y	
1HVC*DHP27	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y	
1HVC*DHP28	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y	
1HVC*DHP29	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	N	S	NA	50	1-34 A	Y	
1HVC*DHP3	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y	
1HVC*DHP30	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y	
1HVC*DHP31	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 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 HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA											
DHP *											
1HVC*DHP32	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.430	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP33	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP34	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP35	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP36	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP37	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP38	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP39	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP4A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP4B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP40	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP41	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 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
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---	QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA											
DHP *											
1HVC*DHP42	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP43	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP44	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP45	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP46	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP47	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP48	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP49	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP5A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP5B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP50	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP51	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 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
N555 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											
DHP											
1HVC*DHP52	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP53	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP54	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP55	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP56	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP57	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP58	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP59	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP6	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP60	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP61	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP62	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 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.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA												
DHP												
1HVC*DHP63	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVC*DHP64	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVC*DHP65	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVC*DHP66	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVC*DHP67	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVC*DHP68	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVC*DHP69	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVC*DHP7	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVC*DHP70	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVC*DHP71	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVC*DHP72	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVC*DHP73	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 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----- DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---	---LOADS---	-QUAL METH-	-NAT FREQ-	---RRS REF---
			BLDG ELEV HTG	SEIS HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DMP

1HVC*DMP74	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DMP75	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DMP76	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DMP77	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DMP78	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DMP79	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DMP80	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DMP81	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DMP82	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DMP83	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DMP84	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DMP85	TORNADO DAMPERS QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y

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JOB NAME 280 - 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	HTG	SEIS	HYDR	ANLYS	TEST	LOHEST	---STATUS---

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA											
DHP											
1HVC*DHP86	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP87	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP88	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP89	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP9	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP91	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP92	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP93	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP94	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP95	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP96	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVC*DHP97	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 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.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS
											QUAL	INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

FE FLOW ELEMENT

1HVC*FE36A	FLOW SWITCH FCI	247.433	CB	70	LH	Y	NA	NA	MF	NA	NA A	Y
1HVC*FE36B	FLOW SWITCH FCI	247.433	CB	78	LH	Y	NA	NA	MF	NA	NA A	Y
1HVC*FE37A	FLOW SWITCH FCI	247.433	CB	70	LH	Y	NA	NA	MF	NA	NA A	Y
1HVC*FE37B	FLOW SWITCH FCI	247.433	CB	70	LH	Y	NA	NA	MF	NA	NA A	Y
1HVC*FE61A	FLOW SWITCH FCI	247.433	CB	115	LH	Y	NA	NA	MF	NA	NA A	Y
1HVC*FE61B	FLOW SWITCH FCI	247.433	CB	115	115	Y	NA	NA	MF	NA	NA A	Y
1HVC*FE62A	FLOW SWITCH FCI	247.433	CB	116	LH	Y	NA	NA	MF	NA	NA A	Y
1HVC*FE62B	FLOW SWITCH FCI	247.433	CB	116	LH	Y	NA	NA	MF	NA	NA A	Y
1HVC*FE65A	FLOW SWITCH FCI	247.433	CB	115	LH	Y	NA	NA	MF	NA	NA A	Y
1HVC*FE65B	FLOW SWITCH FCI	247.433	CB	115	LH	Y	NA	NA	MF	NA	NA A	Y
1HVC*FE65C	FLOW SWITCH FCI	247.433	CB	115	LH	Y	NA	NA	MF	NA	NA A	Y
1HVC*FE66A	FLOW SWITCH FCI	247.433	CB	98	LH	Y	NA	NA	MF	NA	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	ANLYS	TEST	LOWEST	---STATUS---	QUAL

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA												
FE FLOW ELEMENT												
1HVC*FE66B	FLOW SWITCH FCI	247.433	CB	98	LH	Y	NA	NA	HF	NA	NA	Y
FLT FILTER												
1HVC*FLT2	AIR FILTER BUFFALO FORGE	216.200	CB	112	EM	Y	NA	D	NA	13	8	Y
1HVC*FLT3A	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	CB	112	CF	Y	NA	D	HF	22	8	Y
1HVC*FLT3B	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	CB	112	CF	Y	NA	D	HF	22	8	Y
FN FAN												
1HVC*FN1A	AIR BLOWER BUFFALO FORGE	215.400	CB	115	CF	Y	NA	S	NA	112	3	Y
1HVC*FN1B	AIR BLOWER BUFFALO FORGE	215.400	CB	115	CF	Y	NA	S	NA	112	3	Y
1HVC*FN2A	RETURN AIR FAN BUFFALO FORGE	215.350	CB	81	CF	Y	NA	S	NA	61	7	Y
1HVC*FN2B	RETURN AIR FAN BUFFALO FORGE	215.350	CB	81	CF	Y	NA	S	NA	61	7	Y
1HVC*FN3A	EXHAUST AIR FANS BUFFALO FORGE	215.400	CB	128	CF	Y	NA	S	NA	62	8	Y
1HVC*FN3B	EXHAUST AIR FANS BUFFALO FORGE	215.400	CB	115	CF	Y	NA	S	NA	62	8	Y
1HVC*FN3C	EXHAUST AIR FANS BUFFALO FORGE	215.400	CB	116	CF	Y	NA	S	NA	62	8	Y

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
N555 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 HVC AIR CONDITIONING - CONTROL BUILDING OR AREA													
FN FAN													
1HVC*FN3D	EXHAUST AIR FANS BUFFALO FORGE	215.400	CB	116	CF	Y	NA	S	NA	62	8	A	Y
1HVC*FN3E	EXHAUST AIR FANS BUFFALO FORGE	215.400	CB	116	CF	Y	NA	S	NA	62	8	A	Y
1HVC*FN3F	EXHAUST AIR FANS BUFFALO FORGE	215.400	CB	116	CF	Y	NA	S	NA	62	8	A	Y
1HVC*FN8A	DECAY HEAT FAN BUFFALO FORGE	215.400	CB	115	CF	Y	NA	S	NA	112	8	A	Y
1HVC*FN8B	DECAY HEAT FAN BUFFALO FORGE	215.400	CB	115	CF	Y	NA	S	NA	112	8	A	Y
FS FLOW SWITCH													
1HVC*FS36A	FLOW SWITCH FCI	247.433	CB	70	DH	Y	NA	NA	HF	NA	7	A	Y
1HVC*FS36B	FLOW SWITCH FCI	247.433	CB	70	DH	Y	NA	NA	HF	NA	7	A	Y
1HVC*FS37A	FLOW SWITCH FCI	247.433	CB	70	DH	Y	NA	NA	HF	NA	7	A	Y
1HVC*FS37B	FLOW SWITCH FCI	247.433	CB	70	DH	Y	NA	NA	HF	NA	7	A	Y
1HVC*FS61A	FLOW SWITCH FCI	247.433	CB	115	DH	Y	NA	NA	HF	NA	9	A	Y
1HVC*FS61B	FLOW SWITCH FCI	247.433	CB	115	DH	Y	NA	NA	HF	NA	9	A	Y
1HVC*FS62A	FLOW SWITCH FCI	247.433	CB	115	DH	Y	NA	NA	HF	NA	9	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 MANUFACTURER	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA											
FS FLOW SWITCH											
1HVC*FS62B	FLOW SWITCH FCI	247.433	CB	115 DW	Y	NA	NA	HF	NA	9 A	Y
1HVC*FS65A	FLOW SWITCH FCI	247.433	CB	116 DW	Y	NA	NA	HF	NA	9 A	Y
1HVC*FS65B	FLOW SWITCH FCI	247.433	CB	116 DW	Y	NA	NA	HF	NA	9 A	Y
1HVC*FS65C	FLOW SWITCH FCI	247.433	CB	116 DW	Y	NA	NA	HF	NA	9 A	Y
1HVC*FS66A	FLOW SWITCH FCI	247.433	CB	111 DW	Y	NA	NA	HF	NA	8 A	Y
1HVC*FS66B	FLOW SWITCH FCI	247.433	CB	111 DW	Y	NA	NA	HF	NA	8 A	Y
MOD MOTOR OPERATED DAMPER											
1HVC*MOD7A	MOTOR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	122	1-34 A	Y
1HVC*MOD7B	MOTOR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	122	1-34 A	Y
MOV MOTOR OPERATED VALVE											
1HVC*MOV1A	24"-150# BUTTERFLY POSI SEAL	228.241	CB	115 LH	Y	NA	D	SF	48	NA A	Y
1HVC*MOV1B	24"-150# BUTTERFLY POSI SEAL	228.241	CB	115 LH	Y	NA	D	SF	48	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
N555 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 HVC AIR CONDITIONING - CONTROL BUILDING OR AREA												
PNL PANEL												
1HVCwPNL13A	CONTROL PANEL BUFFALO FORGE	216.200	CB	70	DH	Y	NA	D	NA	12	6 A	Y
1HVCwPNL13B	CONTROL PANEL BUFFALO FORGE	216.200	CB	70	CF	Y	NA	D	NA	12	6 A	Y
RTD RESISTANCE TEMPERATURE RECORDER												
1HVCwRTD140	THERMOCOUPLES RTD PYCO(211.161)	247.461	CB	115	DH	Y	NA	NA	MF	50	9 A	Y
1HVCwRTD40A	THERMOCOUPLES RTD PYCO(211.161)	247.461	CB	70	DH	Y	NA	NA	MF	50	6 A	Y
1HVCwPTD40B	THERMOCOUPLES RTD PYCO(211.161)	247.461	CB	70	DH	Y	NA	NA	MF	50	6 A	Y
1HVCwRTD41A	THERMOCOUPLES RTD PYCO	247.461	CB	136	DH	Y	NA	NA	MF	50	9 A	Y
1HVCwRTD41B	THERMOCOUPLES RTD PYCO	247.461	CB	136	DH	Y	NA	NA	MF	50	9 A	Y
1HVCwRTD42A	THERMOCOUPLES RTD PYCO(211.161)	247.461	CB	70	DH	Y	NA	NA	NF	50	6 A	Y
1HVCwRTD42B	THERMOCOUPLES RTD PYCO(211.161)	247.461	CB	70	DH	Y	NA	NA	MF	50	6 A	Y
1HVCwRTD58A	THERMOCOUPLES RTD PYCO	247.461	CB	98	DH	Y	NA	NA	MF	50	7 A	Y
1HVCwRTD58B	THERMOCOUPLES RTD PYCO	247.461	CB	98	DH	Y	NA	NA	MF	50	7 A	Y

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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											
AOD AIR OPERATED DAMPER											
1HVF*AOD101	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVF*AOD102	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVF*AOD104	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVF*AOD112	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVF*AOD122	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVF*AOD137	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVF*AOD20A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVF*AOD20B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVF*AOD3A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVF*AOD3B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVF*AOD31A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVF*AOD31B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y

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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	-----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 HVF VENTILATION - FUEL BUILDING											
BOP EQUIPMENT											
AOD AIR OPERATED DAMPER											
1HVF#AOD33A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVF#AOD33B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVF#AOD37A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVF#AOD37B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
DHPF *											
1HVF#DHPF1	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVF#DHPF10	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	HF	20	1-34 A	Y
1HVF#DHPF11	215.480 QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVF#DHPF12	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVF#DHPF13	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVF#DHPF14	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVF#DHPF15	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y

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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---		
			BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	---STATUS---	---

SYSTEM HVF VENTILATION - FUEL BUILDING												
DMPF *												
1HVF*DMPF16	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y	
1HVF*DMPF17	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y	
1HVF*DMPF18	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y	
1HVF*DMPF2	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y	
1HVF*DMPF3	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y	
1HVF*DMPF4	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y	
1HVF*DMPF5	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y	
1HVF*DMPF6	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y	
1HVF*DMPF7	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y	
1HVF*DMPF8	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y	
1HVF*DMPF9	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y	

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SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
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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 HVF VENTILATION - FUEL BUILDING												
DHP *												
1HVF*DHP1	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50		1-34 A	Y
1HVF*DHP12	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	NA	50		1-34 A	Y
1HVF*DHP13	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	NA	50		1-34 A	Y
1HVF*DHP14	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	NA	50		1-34 A	Y
1HVF*DHP15	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	NA	50		1-34 A	Y
1HVF*DHP16	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	NA	50		1-34 A	Y
1HVF*DHP17	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	NA	50		1-34 A	Y
1HVF*DHP18A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50		1-34 A	Y
1HVF*DHP18B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50		1-34 A	Y
1HVF*DHP18C	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50		1-34 A	Y
1HVF*DHP18D	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50		1-34 A	Y
1HVF*DHP18E	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50		1-34 A	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.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS

SYSTEM HVF VENTILATION - FUEL BUILDING												
DHP												
1HVF#DHP19	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	NA	50	1-34 A	Y	
1HVF#DHP2	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVF#DHP20	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	NA	50	1-34 A	Y	
1HVF#DHP21	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	NA	50	1-34 A	Y	
1HVF#DHP22	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	NA	50	1-34 A	Y	
1HVF#DHP3	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVF#DHP4A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVF#DHP4B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVF#DHP5A	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVF#DHP5B	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVF#DHP6	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	
1HVF#DHP7	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	

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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- TEST	-NAT FREQ- LOWEST	---RRS REF---	
			BLDG	ELEV	HTG	SEIS	HYDR	ANLYS			STATUS---	QUAL INST

SYSTEM HVF VENTILATION - FUEL BUILDING												
DHP												
1HVF*DHP8	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-34 A	Y
1HVF*DHP9A	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-34 A	Y
1HVF*DHP9B	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-34 A	Y
FE FLOW ELEMENT												
1HVF*FE109	FLOW SWITCH FCI	247.433	FB	148	LH	Y	NA	NA	MF	NA	NA A	Y
1HVF*FE182	FLOW SWITCH FCI	247.433	FB	148	LH	Y	NA	NA	MF	NA	NA A	Y
1HVF*FE183	FLOW SWITCH FCI	247.433	FB	148	LH	Y	NA	NA	MF	NA	NA A	Y
1HVF*FE32A	FLOW SWITCH FCI	247.433	FB	148	LH	Y	NA	NA	MF	NA	NA A	Y
1HVF*FE32B	FLOW SWITCH FCI	247.433	FB	148	LH	Y	NA	NA	MF	NA	NA A	Y
FLT FILTER												
1HVF*FLT2A	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	FB	150	CF	Y	NA	S	MF	20	19 A	Y
1HVF*FLT2B	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	FB	150	CF	Y	NA	S	MF	20	19 A	Y

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

SYSTEM HVF VENTILATION - FUEL BUILDING											
FN FAN											
1HVF*FN3A	EXHAUST BLOWERS BUFFALO FORGE	215.400	FB	148	CF	Y	NA	S	NA	31	8 A Y
1HVF*FN3B	EXHAUST BLOWERS BUFFALO FORGE	215.400	FB	148	CF	Y	NA	S	NA	31	19 A Y
1HVF*FN7A	DECAY HEAT FANS BUFFALO FORGE	215.400	FB	148	CF	Y	NA	S	NA	112	19 A Y
1HVF*FN7B	DECAY HEAT FANS BUFFALO FORGE	215.400	FB	148	CF	Y	NA	S	NA	112	19 A Y
FS FLOW SWITCH											
1HVF*FS109	FLOW SWITCH FCI	247.433	FB	153	DH	Y	NA	NA	HF	NA	20 A Y
1HVF*FS182	FLOW SWITCH FCI	247.433	FB	153	RH	Y	NA	NA	HF	NA	20 A Y
1HVF*FS183	FLOW SWITCH FCI	247.433	FB	153	RH	Y	NA	NA	HF	NA	20 A Y
1HVF*FS32A	FLOW SWITCH FCI	247.433	FB	153	DH	Y	NA	NA	HF	NA	20 A Y
1HVF*FS32B	FLOW SWITCH FCI	247.433	FB	153	DH	Y	NA	NA	HF	NA	20 A Y
RTD RESISTANCE TEMPERATURE RECORDER											
1HVF*RTD1A	THERMOCOUPLES RTD PYCO	247.461	FB	148	DH	Y	NA	NA	HF	50	19 A Y
1HVF*RTD1B	THERMOCOUPLES RTD PYCO	247.461	FB	148	DH	Y	NA	NA	HF	50	19 A Y

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

SYSTEM HVF VENTILATION - FUEL BUILDING

RTD RESISTANCE TEMPERATURE RECORDER

1HVF*RTD30A	THERMOCOUPLES RTD PYCO	247.461	FB	148	DM	Y	NA	NA	HF	50	19	A	Y
1HVF*RTD30B	THERMOCOUPLES RTD PYCO	247.461	FB	148	DM	Y	NA	NA	HF	50	19	A	Y

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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	LOWEST	RRS REF	STATUS
-----EQUIPMENT-----												
---LOCATION---												
---LOADS---												
-QUAL METH-												
-NAT FREQ-												
---RRS REF---												
---STATUS---												
QUAL INST												

SYSTEM HVK CHILLED WATER - CONTROL BUILDING OR AREA												
BOP EQUIPMENT												
CHL LIQUID CHILLER												
1HVK*CHL1A	LIQUID CHILLERS CARRIER CORP.	216.210	CB	98	CF	Y	NA	S	NA	24	7 A	Y
1HVK*CHL1B	LIQUID CHILLERS CARRIER CORP.	216.210	CB	98	CF	Y	NA	S	NA	24	7 A	Y
1HVK*CHL1C	LIQUID CHILLERS CARRIER CORP.	216.210	CB	98	CF	Y	NA	S	NA	24	7 A	Y
1HVK*CHL1D	LIQUID CHILLERS CARRIER CORP.	216.210	CB	98	CF	Y	NA	S	NA	24	7 A	Y
FTX												
1HVK*FTX5A	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	NA	NA	MF	48	7 A	Y
1HVK*FTX5B	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	NA	NA	MF	48	7 A	Y
1HVK*FTX5C	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	NA	NA	MF	48	7 A	Y
1HVK*FTX5D	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	NA	NA	MF	48	7 A	Y
FTY												
1HVK*FTY5A	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	NA	NA	MF	48	7 A	Y
1HVK*FTY5B	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	NA	NA	MF	48	7 A	Y

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

ENGINEER: STONE & WEBSTER
N555 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 HVK CHILLED WATER - CONTROL BUILDING OR AREA													
FTY													
1HVK*FTY5C	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	NA	NA	MF	48	7	A	Y
1HVK*FTY5D	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	NA	NA	MF	48	7	A	Y
LT LEVEL TRANSMITTER													
1HVK*LT1A	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	NA	NA	MF	48	7	A	Y
1HVK*LT1B	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	NA	NA	MF	48	7	A	Y
MOV MOTOR OPERATED VALVE													
1HVK*MOV10A	VALVE H.O. 2"-1500 LB VELAN	228.214	CB	098	LH	Y	NA	S	SF	78	NA	A	Y
1HVK*MOV10B	VALVE H.O. 2"-1500 LB VELAN	228.214	CB	098	LH	Y	NA	S	SF	78	NA	A	Y
1HVK*MOV11A	VALVE H.O. 2"-1500 LB VELAN	228.214	CB	098	LH	Y	NA	S	SF	78	NA	A	Y
1HVK*MOV11B	VALVE H.O. 2"-1500 LB VELAN	228.214	CB	098	LH	Y	NA	S	SF	78	NA	A	Y
1HVK*MOV20A	6"-150# BUTTERFLY JAMESBURY	228.243	CB	98	LH	Y	NA	D	SF	58	NA	A	Y
1HVK*MOV20B	6"-150# BUTTERFLY JAMESBURY	228.243	CB	98	LH	Y	NA	D	SF	58	NA	A	Y
1HVK*MOV20C	6"-150# BUTTERFLY JAMESBURY	228.243	CB	98	LH	Y	NA	D	SF	58	NA	A	Y

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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----		
			BLDG	ELEV HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL	INST

SYSTEM HVK CHILLED WATER - CONTROL BUILDING OR AREA												
MOV MOTOR OPERATED VALVE												
1HVK*MOV20D	6"-150# BUTTERFLY JANESBURY	228.243	CB	98	LH	Y	NA	D	SF	58	NA A	Y
PDCV *												
1HVK*PDCV25A	2"-150# GLOBE FISHER CONTROLS	247.491	CB	070	LH	Y	NA	S	SF	51	NA A	Y
1HVK*PDCV25B	2"-150# GLOBE FISHER CONTROLS	247.491	CB	070	LH	Y	NA	S	SF	51	NA A	Y
P PUMP												
1HVK*P1A	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	NA	S	NA	41	7 A	Y
1HVK*P1B	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	NA	S	NA	41	7 A	Y
1HVK*P1C	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	NA	S	NA	41	7 A	Y
1HVK*P1D	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	NA	S	NA	41	7 A	Y
RV *												
1HVK*RV45A	RELIEF VALVES CROSBY	247.521	CB	98	LH	Y	NA	S	SO	152	NA B	Y
1HVK*RV45B	RELIEF VALVES CROSBY	247.521	CB	98	LH	Y	NA	S	SO	152	NA B	Y

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

ENGINEER: STONE & WEBSTER
N555 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											
TV TEMPERATURE VALVE											
IHVK*TV16A	3"-150# GLOBE COPE S VULCAN	247.497	CB	115 LH	Y	NA	S	HF	91	NA B	Y
IHVK*TV16B	3"-16B GLOBE COPE S VULCAN	247.497	CB	115 LH	Y	NA	S	HF	91	NA B	Y
IHVK*TV17A	3"-150# GLOBE COPE S VULCAN	247.497	CB	070 LH	Y	NA	S	HF	91	NA B	Y
IHVK*TV17B	3"-150# GLOBE COPE S VULCAN	247.497	CB	070 LH	Y	NA	S	HF	91	NA B	Y
IHVK*TV18A	1 1/2"-150# GLOBE COPE S VULCAN	247.497	CB	098 LH	Y	NA	S	HF	91	NA B	Y
IHVK*TV18B	1 1/2"-150# GLOBE COPE S VULCAN	247.497	CB	098 LH	Y	NA	S	HF	91	NA B	Y

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

ENGINEER: STONE & WEBSTER
N555 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 K N CHILLED WATER - VENTILATION												
BOP EQUIPMENT												
MOV MOTOR OPERATED VALVE												
IHVN*MOV102	VALVE H.O. 8"-600 LB VELAN	228.212	CT	141 LH	Y	Y	S	SF	49		NA A	Y
IHVN*MOV127	VALVE H.O. 8"-600 LB VELAN	228.212	AB	141 LH	Y	Y	S	SF	49		NA A	Y
IHVN*MOV128	VALVE H.O. 8"-600 LB VELAN	228.212	AB	141 LH	Y	Y	S	SF	49		NA A	Y
IHVN*MOV129	VALVE H.O. 8"-600 LB VELAN	228.212	AB	141 LH	Y	Y	S	SF	49		NA A	Y
IHVN*MOV130	VALVE H.O. 8"-600 LB VELAN	228.212	AB	141 LH	Y	Y	S	SF	49		NA A	Y
IHVN*MOV22A	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162 LH	Y	Y	S	SF	54		NA A	Y
IHVN*MOV22B	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162 LH	Y	Y	S	SF	54		NA A	Y
RV												
IHVN*RV196	RELIEF VALVES CROSBY	247.521	RB	145 LH	Y	Y	S	SO	157		NA A	Y
TV TEMPERATURE VALVE												
IHVN*TV5A	4"-150# GLOBE FISHER CONTROLS	247.491	CT	164 LH	Y	Y	S	SF	51		NA A	Y
IHVN*TV5B	4"-150# GLOBE FISHER CONTROLS	247.491	CT	164 LH	Y	Y	S	SF	51		NA A	Y

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

SYSTEM HVP VENTILATION - DIESEL GENERATOR BUILDING

BOP EQUIPMENT

AOD AIR OPERATED DAMPER

1HVP#AOD11A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVP#AOD11B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y
1HVP#AOD11C	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y

DHP

1HVP#DHP10A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVP#DHP10B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	NA	50	1-34 A	Y
1HVP#DHP11A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVP#DHP4	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVP#DHP5	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVP#DHP6	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVP#DHP7A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVP#DHP7B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y

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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	-----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 HVP VENTILATION - DIESEL GENERATOR BUILDING											
DHP											
1HVP*DHP8	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVP*DHP9A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVP*DHP9B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVP*DHP9C	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
FN FAN											
1HVP*FN2A	EXHAUST FAN BUFFALO FORGE	215.350	DG	117	DH	Y	NA	S	NA	38 14 A	Y
1HVP*FN2B	EXHAUST FAN BUFFALO FORGE	215.350	DG	117	DH	Y	NA	S	NA	38 14 A	Y
1HVP*FN3A	EXHAUST FAN BUFFALO FORGE	215.350	DG	117	DH	Y	NA	S	NA	38 14 A	Y
1HVP*FN3B	EXHAUST FAN BUFFALO FORGE	215.350	DG	117	DH	Y	NA	S	NA	38 14 A	Y
1HVP*FN6A	SUPPLY AIR BLOWER BUFFALO FORGE	215.400	DG	126	CF	Y	NA	S	NA	37 14 A	Y
1HVP*FN6B	SUPPLY AIR BLOWER BUFFALO FORGE	215.400	DG	126	CF	Y	NA	S	NA	37 14 A	Y
1HVP*FN6C	SUPPLY AIR BLOWER BUFFALO FORGE	215.400	DG	126	CF	Y	NA	S	NA	37 14 A	Y
1HVP*FN7A	SUPPLY AIR BLOWER BUFFALO FORGE	215.400	DG	126	CF	Y	NA	S	NA	14 C	
1HVP*FN7B	SUPPLY AIR BLOWER BUFFALO FORGE	215.400	DG	126	CF	Y	NA	S	NA	14 C	

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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.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	---STATUS---	QUAL INST

SYSTEM HVP VENTILATION - DIESEL GENERATOR BUILDING													
PNL PANEL													
1HVP*PNL12A	CONTROL BOARDS ELECTRO MECHANICS	242.444	DG	98	DH	Y	NA	S	MF			13 A	Y
1HVP*PNL12B	CONTROL BOARDS ELECTRO MECHANICS	242.444	DG	98	DH	Y	NA	S	MF			13 A	Y
1HVP*PNL12C	CONTROL BOARDS ELECTRO MECHANICS	242.444	DG	98	DH	Y	NA	S	MF			13 A	Y
RTD RESISTANCE TEMPERATURE RECORDER													
1HVP*RTD10A	THERMOCOUPLES RTD PYCO	247.461	DG	98	DH	Y	NA	NA	MF	50		12 A	Y
1HVP*RTD10B	THERMOCOUPLES RTD PYCO	247.461	DG	98	DH	Y	NA	NA	MF	50		12 A	Y
1HVP*RTD10C	THERMOCOUPLES RTD PYCO	247.461	DG	98	DH	Y	NA	NA	MF	50		12 A	Y
1HVP*RTD8A	THERMOCOUPLES RTD PYCO	247.461	DG	98	DH	Y	NA	NA	MF	50		12 A	Y
1HVP*RTD8B	THERMOCOUPLES RTD PYCO	247.461	DG	98	DH	Y	NA	NA	MF	50		12 A	Y
1HVP*RTD8C	THERMOCOUPLES RTD PYCO	247.461	DG	98	DH	Y	NA	NA	MF	50		12 A	Y

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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---	---STATUS---
			BLDG	ELEV	HTG	SEIS				

SYSTEM HVR VENTILATION - REACTOR PLANT										
BOP EQUIPMENT										
AOD AIR OPERATED DAMPER										
1HVR*AOD10A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVR*AOD10B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVR*AOD142	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVR*AOD143	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVR*AOD161	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVR*AOD162	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVR*AOD164	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVR*AOD18A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVR*AOD18B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVR*AOD214	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVR*AOD22A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVR*AOD22B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 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 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*AOD23A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y	
1HVR*AOD23B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y	
1HVR*AOD245	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y	
1HVR*AOD249	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y	
1HVR*AOD261	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y	
1HVR*AOD262	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y	
1HVR*AOD263	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y	
1HVR*AOD264	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y	
1HVR*AOD51A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	38	1-34 A	Y	
1HVR*AOD51B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y	
1HVR*AOD53A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A	Y	
1HVR*AOD53B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 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-----	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----		
	DESCRIPTION MANUFACTURER		BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HVR VENTILATION - REACTOR PLANT												
AOV AIR OPERATED VALVE												
1HVR*AOV123	36"-150# BUTTERFLY POSI SEAL	228.241	CT	141	LH	Y	Y	D	SF	37	NA A	Y
1HVR*AOV125	24"-150# BUTTERFLY POSI SEAL	228.241	CT	141	LH	Y	Y	D	SF	72	NA A	Y
1HVR*AOV126	24"-150# BUTTERFLY POSI SEAL	228.241	CT	141	LH	Y	Y	D	SF	83	NA A	Y
1HVR*AOV128	36"-150# BUTTERFLY POSI SEAL	228.241	CT	141	LH	Y	Y	D	SF	60	NA A	Y
1HVR*AOV147	24"-150# BUTTERFLY POSI SEAL	228.241	CT	141	LH	Y	Y	D	SF	72	NA A	Y
1HVR*AOV148	24"-150# BUTTERFLY POSI SEAL	228.241	CT	141	LH	Y	Y	D	SF	83	NA A	Y
1HVR*AOV165	36"-150# BUTTERFLY POSI SEAL	228.241	AB	141	LH	Y	Y	D	SF	41	NA A	Y
1HVR*AOV166	36"-150# BUTTERFLY POSI SEAL	228.241	AB	141	LH	Y	Y	D	SF	41	NA A	Y
DHPF												
1HVR*DHPF1	FIRE DAMPER QUALITY AIR DESIGN	215.490	ORB		DH	Y	NA	S	HF	>1000	1-34 A	Y
1HVR*DHPF10	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	HF	>1000	1-34 A	Y
1HVR*DHPF11	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	HF	>1000	1-34 A	Y
1HVR*DHPF12	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	HF	>1000	1-34 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. 50-450

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											
DMPF *											
1HVR*DMPF13	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF14	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF15	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF16	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF17	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF18	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF2	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF21	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF22	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF23	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF24	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF25	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y

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REPORT DATE 03/25/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.	BLOG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS
											QUAL	INST

SYSTEM HVR VENTILATION - REACTOR PLANT

DMPF

1HVR*DMPF26	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF27	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF28	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF29	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	T	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF3	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF30	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF31	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF32	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF33	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF34	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF35	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF36	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y

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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 HVR VENTILATION - REACTOR PLANT												
DMPF *												
1HVR*DMPF37	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y	
1HVR*DMPF38	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y	
1HVR*DMPF39	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y	
1HVR*DMPF4	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y	
1HVR*DMPF40	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y	
1HVR*DMPF41	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y	
1HVR*DMPF42	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y	
1HVR*DMPF43	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y	
1HVR*DMPF44	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y	
1HVR*DMPF45	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y	
1HVR*DMPF46	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y	
1HVR*DMPF47	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 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
N555 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 HVR VENTILATION - REACTOR PLANT												
DHPF												
1HVR*DHPF48	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DHPF49	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DHPF50	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DHPF51	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DHPF52	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DHPF53	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DHPF54	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DHPF55	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DHPF56	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DHPF57	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DHPF58	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DHPF59	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	>1000	1-34 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 HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HVR VENTILATION - REACTOR PLANT											
DMPF *											
1HVR*DMPF60	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF63	FIRE DAMPER QUALITY AIR DESIGN	215.480	SB	177 DW	Y	Y	S	MF	>1000	40,41 A	Y
1HVR*DMPF64	FIRE DAMPER QUALITY AIR DESIGN	215.480	SB	163 DW	Y	Y	S	MF	>1000	48,49 A	Y
1HVR*DMPF65	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF66	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF67	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF68	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF69	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF7	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
1HVR*DMPF8	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-34 A	Y
DMP *											
1HVR*DMP1	HAN. BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	CT	182 HH	Y	Y	S	NA	39	48,49 A	Y
1HVR*DMP100	ISOLATION DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	100	1-34 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
N555 SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOHEST	RRS REF	STATUS
											QUAL	INST

SYSTEM HVR VENTILATION - REACTOR PLANT												
DHP												
1HVR*DHP101	ISOLATION DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	100	1-34 A	Y
1HVR*DHP11	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	SB	99	HH	Y	Y	S	NA	39	37,44 A	Y
1HVR*DHP13	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	SB	108	HH	Y	Y	S	NA	39	37,44 A	Y
1HVR*DHP14	PRESSURE RELIEF DAMPER QUALITY AIR DESIGN	215.480	CT	176	HH	Y	Y	S	NA	39	48,49 A	Y
1HVR*DHP15	PRESSURE RELIEF DAMPER QUALITY AIR DESIGN	215.480	CT	176	HH	Y	Y	S	NA	39	48,49 A	Y
1HVR*DHP16	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	SB	108	HH	Y	Y	S	NA	39	37,44 A	Y
1HVR*DHP18	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	SB	128	HH	Y	Y	S	NA	39	37,38 A	Y
1HVR*DHP19	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	SB	163	HH	Y	Y	S	NA	39	39,40 A	Y
1HVR*DHP2	HAN. BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	CT	182	HH	Y	Y	S	NA	39	48,49 A	Y
1HVR*DHP20	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	SB	155	HH	Y	Y	S	NA	39	39,40 A	Y
1HVR*DHP21	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	SB	163	HH	Y	Y	S	NA	39	39,40 A	Y
1HVR*DHP22	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	SB	232	HH	Y	Y	S	NA	39	42,43 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 MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HVR VENTILATION - REACTOR PLANT												
DHP *												
1HVR#DHP23	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	SB	232	HH	Y	Y	S	NA	39	42.43 A	Y
1HVR#DHP24	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	SB	232	HH	Y	Y	S	NA	39	42.43 A	Y
1HVR#DHP25	HAN. BAL. DAMP. QUALITY AIR DESIGN	215.480	SB	232	HH	Y	Y	S	NA	39	42.43 A	Y
1HVR#DHP27	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	39	1-34 A	Y
1HVR#DHP28	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	39	1-34 A	Y
1HVR#DHP29	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	39	1-34 A	Y
1HVR#DHP3	HAN. BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	CT	182	HH	Y	Y	S	NA	39	48.49 A	Y
1HVR#DHP30	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	39	1-34 A	Y
1HVR#DHP32	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	39	1-34 A	Y
1HVR#DHP33	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	39	1-34 A	Y
1HVR#DHP34	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	39	1-34 A	Y
1HVR#DHP35	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	39	1-34 A	Y

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REPORT DATE 03/25/85JOB 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 HVR VENTILATION - REACTOR PLANT												
DMP *												
1HVR*DMP38	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39	1-34 A	Y	
1HVR*DMP39	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39	1-34 A	Y	
1HVR*DMP4	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CT	183 HM	Y	Y	S	NA	39	49,49 A	Y	
1HVR*DMP41	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39	1-34 A	Y	
1HVR*DMP42	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39	1-34 A	Y	
1HVR*DMP43	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	SB	224 HM	Y	Y	S	NA	39	42,43 A	Y	
1HVR*DMP44	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	SB	224 HM	Y	Y	S	NA	39	42,43 A	Y	
1HVR*DMP46	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AB	224 HM	Y	NA	S	NA	39	5 A	Y	
1HVR*DMP47	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39	1-34 A	Y	
1HVR*DMP48	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39	1-34 A	Y	
1HVR*DMP49	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39	1-34 A	Y	
1HVR*DMP5	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CT	179 HM	Y	Y	S	NA	39	48,49 A	Y	

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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	LOHEST	---	---STATUS---	QUAL INST

SYSTEM HVR VENTILATION - REACTOR PLANT												
DHP *												
1HVR*DHP50	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39		1-34 A	Y
1HVR*DHP51	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39		1-34 A	Y
1HVR*DHP52	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39		1-34 A	Y
1HVR*DHP53	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39		1-31 A	Y
1HVR*DHP54	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39		1-34 A	Y
1HVR*DHP55	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39		1-34 A	Y
1HVR*DHP56	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39		1-34 A	Y
1HVR*DHP57	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39		1-34 A	Y
1HVR*DHP6	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CT	182	HH	Y	Y	S	NA	39	48,49 A	Y
1HVR*DHP63	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39		1-34 A	Y
1HVR*DHP64	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39		1-34 A	Y
1HVR*DHP67	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39		1-34 A	Y

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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---	
			BLDG	ELEV HTG	SEIS	HYDR			ANLYS	TEST

SYSTEM HVR VENTILATION - REACTOR PLANT										
DMP *										
1HVR*DMP68	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	NA	50	1-34 A Y
1HVR*DMP7	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVR*DMP70	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	NA	50	1-34 A Y
1HVR*DMP71	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	NA	50	1-34 A Y
1HVR*DMP72	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	NA	50	1-34 A Y
1HVR*DMP73	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	NA	50	1-34 A Y
1HVR*DMP75	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	NA	50	1-34 A Y
1HVR*DMP77	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	NA	50	1-34 A Y
1HVR*DMP8	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39	1-34 A Y
1HVR*DMP80	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	NA	50	1-34 A Y
1HVR*DMP82	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	NA	50	1-34 A Y
1HVR*DMP84	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	NA	50	1-34 A Y

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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 HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST	

SYSTEM HVR VENTILATION - REACTOR PLANT												
DHP												
1HVR#DHP85	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	NA	50	1-34 A	Y	
1HVR#DHP86	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	NA	50	1-34 A	Y	
1HVR#DHP87	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	NA	50	1-34 A	Y	
1HVR#DHP88	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	NA	50	1-34 A	Y	
1HVR#DHP89	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	NA	50	1-34 A	Y	
1HVR#DHP9	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	SB	98	DH	Y	Y	S	NA	39	37 A	Y
1HVR#DHP90	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	NA	50	1-34 A	Y	
1HVR#DHP91	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	NA	50	1-34 A	Y	
1HVR#DHP93	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	NA	50	1-34 A	Y	
1HVR#DHP94	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	NA	50	1-34 A	Y	
1HVR#DHP96	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	NA	50	1-34 A	Y	
1HVR#DHP98	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y	

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NSSS SUPPLIER: GENERAL ELECTRIC

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EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS

SYSTEM HVR VENTILATION - REACTOR PLANT												
DHP												
1HVR=DHP99	ISOLATION DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	40	1-34 A	Y
FE FLOW ELEMENT												
1HVR=FE111	FLOW SWITCH FCI	247.433	AB	170	LH	Y	NA	NA	HF	NA	NA A	Y
1HVR=FE113	FLOW SWITCH FCI	247.433	AB	170	LH	Y	NA	NA	HF	NA	NA A	Y
1HVR=FE163	FLOW SWITCH FCI	247.433	AB	170	LH	Y	NA	NA	HF	NA	NA A	Y
1HVR=FE28A	FLOW SWITCH FCI	247.433	RB	162	LH	Y	Y	NA	HF	NA	NA A	Y
1HVR=FE28B	FLOW SWITCH FCI	247.433	RB	162	LH	Y	Y	NA	HF	NA	NA A	Y
1HVR=FE28C	FLOW SWITCH FCI	247.433	RB	162	LH	Y	Y	NA	HF	NA	NA A	Y
1HVR=FE29A	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	HF	NA	NA A	Y
1HVR=FE29B	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	HF	NA	NA A	Y
1HVR=FE56A	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	HF	NA	NA A	Y
1HVR=FE56B	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	HF	NA	NA A	Y

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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 HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL

SYSTEM HVR VENTILATION - REACTOR PLANT											
FN FAN											
1HVR*FN11A	MIXING FAN BUFFALO FORGE	215.400	AB	170	CF	Y	NA	S	NA	11	5 A Y
1HVR*FN11B	MIXING FAN BUFFALO FORGE	215.400	AB	170	CF	Y	NA	S	NA	11	5 A Y
FS FLOW SWITCH											
1HVR*FS111	FLOW SWITCH FCI	247.433	AB	146	DW	Y	NA	NA	MF	NA	5 A Y
1HVR*FS113	FLOW SWITCH FCI	247.433	AB	158	DW	Y	NA	NA	MF	NA	5 A Y
1HVR*FS163	FLOW SWITCH FCI	247.433	AB	159	DW	Y	NA	NA	MF	NA	5 A Y
1HVR*FS29A	FLOW SWITCH FCI	247.433	AB	174	DW	Y	NA	NA	MF	NA	5 A Y
1HVR*FS29B	FLOW SWITCH FCI	247.433	AB	174	DW	Y	NA	NA	MF	NA	5 A Y
1HVR*FS56A	FLOW SWITCH FCI	247.433	AB	141	DW	Y	NA	NA	MF	NA	4 A Y
1HVR*FS56B	FLOW SWITCH FCI	247.433	AB	141	DW	Y	NA	NA	MF	NA	4 A Y
PDT DIFFERENTIAL PRESSURE TRANSHITTER											
1HVR*PDT60A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	MF	48	4 A Y
1HVR*PDT60B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	MF	48	4 A Y

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

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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 HVR VENTILATION - REACTOR PLANT											
PDT DIFFERENTIAL PRESSURE TRANSHITTER											
1HVR*PDT60C	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141 RH	Y	NA	NA	HF	48	4 A	Y
1HVR*PDT60D	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141 RH	Y	NA	NA	HF	48	4 A	Y
1HVR*PDT60E	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141 RH	Y	NA	NA	HF	48	4 A	Y
1HVR*PDT60F	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141 RH	Y	NA	NA	HF	48	48 A	Y
RTD RESISTANCE TEMPERATURE RECORDER											
1HVR*RTD2A	THERMOCOUPLES RTD PYCO(211.161)	247.461	CB	115 DH	Y	NA	NA	HF	50	9 A	Y
1HVR*RTD2B	THERMOCOUPLES RTD PYCO(211.161)	247.461	CB	115 DH	Y	NA	NA	HF	50	9 A	Y
1HVR*RTD2C	THERMOCOUPLES RTD PYCO(211.161)	247.461	CB	115 DH	Y	NA	NA	HF	50	9 A	Y
UC UNIT COOLER											
1HVR*UC1A	UNIT COOLER BUFFALO FORGE	215.252	DH-CT	162 DH	Y	Y	D	NA	16	SEE 201 A	Y
1HVR*UC1B	UNIT COOLER BUFFALO FORGE	215.252	DH-CT	162 DH	Y	Y	D	NA	16	SEE 201 A	Y
1HVR*UC10	UNIT COOLER BUFFALO FORGE	215.252	AB	130 CF	Y	NA	D	NA	27	4 A	Y
1HVR*UC11A	UNIT COOLER BUFFALO FORGE	215.252	AB	141 CF	Y	NA	D	NA	11	4 A	Y

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

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

SYSTEM HVR VENTILATION - REACTOR PLANT											
UC UNIT COOLER											
1HVR*UC11B	UNIT COOLER BUFFALO FORGE	215.252	AB	141	CF	Y	NA	D	NA	11	4 A Y
1HVR*UC2	UNIT COOLER BUFFALO FORGE	215.252	AB	96	CF	Y	NA	D	NA	38	2 A Y
1HVR*UC3	UNIT COOLER BUFFALO FORGE	215.252	AB	96	CF	Y	NA	D	NA	14	2 A Y
1HVR*UC4	UNIT COOLER BUFFALO FORGE	215.252	AB	96	CF	Y	NA	D	NA	14	2 A Y
1HVR*UC5	UNIT COOLER BUFFALO FORGE	215.252	AB	114	CF	Y	NA	D	NA	14	3 A Y
1HVR*UC6	UNIT COOLER BUFFALO FORGE	215.252	AB	114	CF	Y	NA	D	NA	11	3 A Y
1HVR*UC7	UNIT COOLER BUFFALO FORGE	215.252	AB	114	CF	Y	NA	D	NA	14	3 A Y
1HVR*UC8	UNIT COOLER BUFFALO FORGE	215.252	AB	114	CF	Y	NA	D	NA	14	3 A Y
1HVR*UC9	UNIT COOLER BUFFALO FORGE	215.252	AB	114	CF	Y	NA	D	NA	11	3 A Y
1HVR-UC1C	UNIT COOLER BUFFALO FORGE	215.252	DH-CT	162	DH	Y	Y	D	NA	16	SEE 201 A Y

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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

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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 HVY VENTILATION - YARD STRUCTURES											
BOP EQUIPMENT											
CH COIL HEATER											
1HVY*CH6A	ELEC HEATERS NUTHERN	215.325	SH-CL	122	DW	Y	NA	S	HF	20	32 A Y
1HVY*CH6B	ELEC HEATERS NUTHERN	215.325	SH-CL	122	DW	Y	NA	S	HF	20	32 A Y
DHPF *											
1HVY*DHPF1	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	HF	20	1-34 A Y
1HVY*DHPF10	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	N	S	HF	20	1-34 A Y
1HVY*DHPF13	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	HF	20	1-34 A Y
1HVY*DHPF15	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	HF	20	1-34 A Y
1HVY*DHPF2	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	HF	20	1-34 A Y
1HVY*DHPF21	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	HF	20	1-34 A Y
1HVY*DHPF22	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	HF	20	1-34 A Y
1HVY*DHPF3	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	HF	20	1-34 A Y
1HVY*DHPF4	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	HF	20	1-34 A Y

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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											
DHPF *											
1HVV*DHPF5	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVV*DHPF6	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVV*DHPF7	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
1HVV*DHPF8	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-34 A	Y
DHP *											
1HVV*DHP1A	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVV*DHP1B	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVV*DHP1C	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVV*DHP1D	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVV*DHP10A	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-34 A	Y
1HVV*DHP10B	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVV*DHP2A	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	NA	50	1-34 A	Y
1HVV*DHP2B	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	NA	50	1-34 A	Y

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ENGINEER: STONE & WEBSTER
N555 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											
DHP *											
1HVY*DHP2C	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	NA	50	1-34 A	Y
1HVY*DHP2D	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	NA	50	1-34 A	Y
1HVY*DHP3A	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	NA	50	1-34 A	Y
1HVY*DHP3B	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	NA	50	1-34 A	Y
1HVY*DHP4A	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	NA	50	1-34 A	Y
1HVY*DHP4B	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	NA	50	1-34 A	Y
1HVY*DHP5A	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVY*DHP5B	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVY*DHP6A	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVY*DHP6B	BACKDRAFT QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVY*DHP6C	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y
1HVY*DHP6D	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-34 A	Y

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ENGINEER: STONE & WEBSTER
N555 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	---STATUS---	QUAL INST

SYSTEM HVY VENTILATION - YARD STRUCTURES												
DHP *												
IHVY=DHP7A	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	50	1-34 A	Y
IHVY=DHP7B	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	50	1-34 A	Y
IHVY=DHP9A	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	50	1-34 A	Y
IHVY=DHP9B	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	50	1-34 A	Y
FE FLOW ELEMENT												
IHVY=FE17A	FLOW SWITCH FCI	247.433	SH-CL	118	LH	Y	NA	NA	HF	NA	NA A	Y
IHVY=FE17B	FLOW SWITCH FCI	247.433	SH-CL	118	LH	Y	NA	NA	HF	NA	NA A	Y
IHVY=FE17C	FLOW SWITCH FCI	247.433	SH-CL	118	LH	Y	NA	NA	HF	NA	NA A	Y
IHVY=FE17D	FLOW SWITCH FCI	247.433	SH-CL	118	LH	Y	NA	NA	HF	NA	NA A	Y
IHVY=FE17E	FLOW ELEMENT FCI(211.161)	247.433	SH-CL	94	LH	Y	NA	NA	HF	NA	NA A	FL
IHVY=FE17F	FLOW ELEMENT FCI(211.161)	247.433	SH-CL	94	LH	Y	NA	NA	HF	NA	NA A	FL
IHVY=FE21A	FLOW SWITCH FCI	247.433	SH-CL	143	LH	Y	NA	NA	HF	NA	NA A	Y
IHVY=FE21B	FLOW SWITCH FCI	247.433	SH-CL	143	LH	Y	NA	NA	HF	NA	NA A	Y

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
N5SS 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 HVY VENTILATION - YARD STRUCTURES													
FE FLOW ELEMENT													
IHVY*FE21C	FLOW SWITCH FCI	247.433	SH-CL	143	LH	Y	NA	NA	HF	NA		NA A	Y
IHVY*FE21D	FLOW SWITCH FCI	247.433	SH-CL	143	LH	Y	NA	NA	HF	NA		NA A	Y
IHVY*FE30A	FLOW SWITCH FCI	247.433	SH-CL	118	LH	Y	NA	NA	HF	NA		NA A	Y
IHVY*FE30B	FLOW SWITCH FCI	247.433	SH-CL	118	LH	Y	NA	NA	HF	NA		NA A	Y
IHVY*FE38A	FLOW SWITCH FCI	247.433	AB	118	LH	Y	NA	NA	HF	NA		NA A	Y
IHVY*FE38B	FLOW SWITCH FCI	247.433	AB	118	LH	Y	NA	NA	HF	NA		NA A	Y
FN FAN													
IHVY*FN1A	SUPPLY AIR FAN BUFFALO FORGE	215.350	SH-CL	133	CF	Y	NA	S	NA	181		33 A	Y
IHVY*FN1B	SUPPLY AIR FAN BUFFALO FORGE	215.350	SH-CL	133	CF	Y	NA	S	NA	181		33 A	Y
IHVY*FN1C	SUPPLY AIR FAN BUFFALO FORGE	215.350	SH-CL	133	CF	Y	NA	S	NA	181		33 A	Y
IHVY*FN1D	SUPPLY AIR FAN BUFFALO FORGE	215.350	SH-CL	133	CF	Y	NA	S	NA	181		33 A	Y
IHVY*FNCA	SUPPLY AIR FAN BUFFALO FORGE	215.350	SH-CL	146	CF	Y	NA	S	NA	34		34 A	Y
IHVY*FNCB	SUPPLY AIR FAN BUFFALO FORGE	215.350	SH-CL	146	CF	Y	NA	S	NA	34		34 A	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	HTG	SEIS	HYDR			ANLYS	TEST	LODEST

SYSTEM HVY VENTILATION - YARD STRUCTURES												
FN FAN												
1HVY*FNCC	SUPPLY AIR FAN BUFFALO FORGE	215.350	SH-CL	146	CF	Y	NA	S	NA	34	34 A	Y
1HVY*FNCD	SUPPLY AIR FAN BUFFALO FORGE	215.350	SH-CL	146	CF	Y	NA	S	NA	34	34 A	Y
1HVY*FN32A	SUPPLY FAN BUFFALO FORGE	215.350	SH-CL	122	CF	Y	NA	S	NA	31	32 A	Y
1HVY*FN32B	SUPPLY FAN BUFFALO FORGE	215.350	SH-CL	122	CF	Y	NA	S	NA	31	32 A	Y
FS FLOW SWITCH												
1HVY*FS17A	FLOW SWITCH FCI	247.433	SH-CL	118	DW	Y	NA	NA	HF	NA	31 A	Y
1HVY*FS17B	FLOW SWITCH FCI	247.433	SH-CL	118	DW	Y	NA	NA	HF	NA	31 A	Y
1HVY*FS17C	FLOW SWITCH FCI	247.433	SH-CL	118	DW	Y	NA	NA	HF	NA	31 A	Y
1HVY*FS17D	FLOW SWITCH FCI	247.433	SH-CL	118	DW	Y	NA	NA	HF	NA	31 A	Y
1HVY*FS17E	FLOW SWITCH FCI(211.161)	247.433	SH-CL	132	DW	Y	NA	NA	HF	NA	32 A	FL
1HVY*FS17F	FLOW SWITCH FCI(211.161)	247.433	SH-CL	123	DW	Y	NA	NA	HF	NA	32 A	FL
1HVY*FS21A	FLOW SWITCH FCI	247.433	SH-CL	142	DW	Y	NA	NA	HF	NA	33 A	Y
1HVY*FS21B	FLOW SWITCH FCI	247.433	SH-CL	142	DW	Y	NA	NA	HF	NA	33 A	Y

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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 HTG	SEIS	HYDR			ANLYS	TEST	LOWEST

SYSTEM HVY VENTILATION - YARD STRUCTURES											
FS FLOW SWITCH											
1HVY*FS21C	FLOW SWITCH FCI	247.433	SH-CL	142	DW	Y	NA	NA	HF	NA	33 A Y
1HVY*FS21D	FLOW SWITCH FCI	247.433	SH-CL	142	DW	Y	NA	NA	HF	NA	33 A Y
1HVY*FS30A	FLOW SWITCH FCI	247.433	SH-CL	143	DW	Y	NA	NA	HF	NA	33 A Y
1HVY*FS30B	FLOW SWITCH FCI	247.433	SH-CL	143	DW	Y	NA	NA	HF	NA	33 A Y
1HVY*FS38A	FLOW SWITCH FCI	247.433	SH-CL	122	DW	Y	NA	NA	HF	NA	32 A Y
1HVY*FS38B	FLOW SWITCH FCI	247.433	SH-CL	122	DW	Y	NA	NA	HF	NA	32 A Y
RTD RESISTANCE TEMPERATURE RECORDER											
1HVY*RTD24A	THERMOCOUPLES RTD PYCO	247.461	SH-CL	118	DW	Y	NA	NA	HF	50	31 A Y
1HVY*RTD24B	THERMOCOUPLES RTD PYCO	247.461	SH-CL	118	DW	Y	NA	NA	HF	50	31 A Y
1HVY*RTD24C	THERMOCOUPLES RTD PYCO(211.161)	247.461	SH-CL	122	DW	Y	NA	NA	HF	50	32 A FL
1HVY*RTD25A	THERMOCOUPLES RTD PYCO	247.461	SH-CL	143	DW	Y	NA	NA	HF	50	33 A Y
1HVY*RTD25B	THERMOCOUPLES RTD PYCO	247.461	SH-CL	143	DW	Y	NA	NA	HF	50	33 A Y
1HVY*RTD31A	THERMOCOUPLES RTD PYCO	247.461	SH-CL	118	DW	Y	NA	NA	HF	50	31 A Y

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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 HETH-	-NAT FREQ-	-----RRS REF----- ---STATUS--- QUAL INST
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SYSTEM HVY VENTILATION - YARD STRUCTURES

RTD RESISTANCE TEMPERATURE RECORDER

1HVV*RTD31B	THERMOCOUPLES RTD PYCO	247.461	SH-CL 118 DW Y	NA NA	HF	50	31 A Y
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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 H13 CONTROL ROOM PANELS													
BOP EQUIPMENT													
P	PUMP												
IH13wP878	CONTROL PANEL GA	247.250	CB	136	CF	Y	NA	NA	HF	29		10 A	Y
IH13wP879	CONTROL PANEL GA	247.250	CB	136	CF	Y	NA	NA	HF	29		10 A	Y
Y													
IH13wY702D	GEDAC ENCLOSURE HERCURY CO./NORWOOD	247.411	CB	143	CH	Y	NA	D	HF	>33		9 A	Y
IH13wY703A	GEDAC ENCLOSURE HERCURY CO./NORWOOD	247.411	CB	143	CH	Y	NA	D	HF	>33		9 A	Y
IH13wY703D	GEDAC ENCLOSURE HERCURY CO./NORWOOD	247.411	CB	143	CH	Y	NA	D	HF	>33		9 A	Y
IH13wY710B	GEDAC ENCLOSURE HERCURY CO./NORWOOD	247.411	CB	143	CH	Y	NA	D	HF	>33		9 A	Y
IH13wY710D	GEDAC ENCLOSURE HERCURY CO./NORWOOD	247.411	CB	143	CH	Y	NA	D	HF	>33		9 A	Y
IH13wY710E	GEDAC ENCLOSURE HERCURY CO./NORWOOD	247.411	CB	143	CH	Y	NA	D	HF	>33		9 A	Y
IH13wY712B	GEDAC ENCLOSURE HERCURY CO./NORWOOD	247.411	CB	143	CH	Y	NA	D	HF	>33		9 A	Y
IH13wY712D	GEDAC ENCLOSURE HERCURY CO./NORWOOD	247.411	CB	143	CH	Y	NA	D	HF	>33		9 A	Y
IH13wY713A	GEDAC ENCLOSURE HERCURY CO./NORWOOD	247.411	CB	143	CH	Y	NA	D	HF	>33		9 A	Y

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM H13 CONTROL ROOM PANELS											
Y *											
1H13*Y713D	GEDAC ENCLOSURE HERCURY CO./NORWOOD	247.411	CB	143	CH	Y	NA	D	HF	>33	9 A Y
1H13*Y714B	GEDAC ENCLOSURE HERCURY CO./NORWOOD	247.411	CB	143	CH	Y	NA	D	HF	>33	9 A Y
1H13*Y714D	GEDAC ENCLOSURE HERCURY CO./NORWOOD	247.411	CB	143	CH	Y	NA	D	HF	>33	9 A Y
1H13*Y715D	GEDAC ENCLOSURE HERCURY CO./NORWOOD	247.411	CB	143	CH	Y	NA	D	HF	>33	9 A Y
1H13*Y717D	GEDAC ENCLOSURE HERCURY CO./NORWOOD	247.411	CB	143	CH	Y	NA	D	HF	>33	9 A Y
1H13*Y730B	GEDAC ENCLOSURE HERCURY CO./NORWOOD	247.411	CB	143	CH	Y	NA	D	HF	>33	9 A Y
1H13*Y731D	GEDAC ENCLOSURE HERCURY CO./NORWOOD	247.411	CB	143	CH	Y	NA	D	HF	>33	9 A Y
1H13*Y743E	GEDAC ENCLOSURE HERCURY CO./NORWOOD	247.411	CB	143	CH	Y	NA	D	HF	>33	9 A Y
1H13*Y744D	GEDAC ENCLOSURE HERCURY CO./NORWOOD	247.411	CB	143	CH	Y	NA	D	HF	>33	9 A Y
1H13*Y750E	GEDAC ENCLOSURE HERCURY CO./NORWOOD	247.411	CB	143	CH	Y	NA	D	HF	>33	9 A Y
1H13*Y751A	GEDAC ENCLOSURE HERCURY CO./NORWOOD	247.411	CB	143	CH	Y	NA	D	HF	>33	9 A Y
1H13*Y751D	GEDAC ENCLOSURE HERCURY CO./NORWOOD	247.411	CB	143	CH	Y	NA	D	HF	>33	9 A 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.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOHEST	RRS REF	STATUS
											QUAL	INST

SYSTEM IAS INSTRUMENT AIR												
BOP EQUIPMENT												
MOV MOTOR OPERATED VALVE												
IIAS*MOV106	VALVE H.O. 3"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	49	NA A	Y
IIAS*MOV107	VALVE H.O. 3"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	49	NA A	Y
PT PRESSURE TRANSHITTER												
IIAS*PT34A	PRESS TRANSHITT ROSEMOUNT	247.481	CB	70	RH	Y	NA	NA	HF	48	6 A	Y
IIAS*PT34B	PRESS TRANSHITT ROSEMOUNT	247.481	CB	70	RH	Y	NA	NA	HF	48	6 A	Y
IIAS*PT39A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	HF	48	4 A	Y
IIAS*PT39B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	HF	48	4 A	Y
IIAS*PT43A	PRESS TRANSHITT ROSEMOUNT	247.481	FB	148	RH	Y	NA	NA	HF	48	19 A	Y
IIAS*PT43B	PRESS TRANSHITT ROSEMOUNT	247.481	FB	148	RH	Y	NA	NA	HF	48	19 A	Y
IIAS*PT47A	PRESS TRANSHITT ROSEMOUNT	247.481	CB	70	RH	Y	NA	NA	HF	48	6 A	Y
IIAS*PT47B	PRESS TRANSHITT ROSEMOUNT	247.481	CB	70	RH	Y	NA	NA	HF	48	6 A	Y
IIAS*PT48A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	HF	48	4 A	Y

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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. 50-450

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												
PT PRESSURE TRANSHITTER												
1IAS*PT40B	PRESS TRANSHITT ROSEHOUNT	247.401	AB	141	RH	Y	NA	NA	HF	40	4 A	Y
1IAS*PT49A	PRESS TRANSHITT ROSEHOUNT	247.401	FB	140	RH	Y	NA	NA	HF	40	19 A	Y
1IAS*PT49B	PRESS TRANSHITT ROSEHOUNT	247.401	FB	140	RH	Y	NA	NA	HF	40	19 A	Y
RV *												
1IAS*RV30A	RELIEF VALVES CROSBY	247.521	CB	121	LH	Y	NA	S	SO	157	NA A	Y
1IAS*RV30B	RELIEF VALVES CROSBY	247.521	CB	121	LH	Y	NA	S	SO	157	NA A	Y
1IAS*RV42A	RELIEF VALVES CROSBY	247.521	AB	141	LH	Y	NA	S	SO	157	NA A	Y
1IAS*RV42B	RELIEF VALVES CROSBY	247.521	AB	141	LH	Y	NA	S	SO	157	NA A	Y
1IAS*RV46A	RELIEF VALVES CROSBY	247.521	FB	140	LH	Y	NA	S	SO	157	NA A	Y
1IAS*RV46B	RELIEF VALVES CROSBY	247.521	FB	140	LH	Y	NA	S	SO	157	NA A	Y
SOV SOLENOID VALVE												
1IAS*SOV36A	VALVE 2" TARGET ROCK	247.501	CB	90	LH	Y	NA	S	HF	139	NA A	Y
1IAS*SOV36B	VALVE 2" TARGET ROCK	247.501	CB	90	LH	Y	NA	S	HF	139	NA A	Y

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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.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL	INST

SYSTEM IAS INSTRUMENT AIR													
SOV SOLENOID VALVE													
1IAS*SOV41A	VALVE 2" TARGET ROCK	247.501	FB	148	LH	Y	NA	S	HF	139	NA A	Y	
1IAS*SOV41B	VALVE 2" TARGET ROCK	247.501	FB	148	LH	Y	NA	S	HF	139	NA A	Y	
1IAS*SOV45A	VALVE 2" TARGET ROCK	247.501	FB	148	LH	Y	NA	S	HF	139	NA A	Y	
1IAS*SOV45B	VALVE 2" TARGET ROCK	247.501	FB	148	LH	Y	NA	S	HF	139	NA A	Y	

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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. 50-450

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOHEST	RRS REF	STATUS

SYSTEM ICS REACTOR CORE ISOLATION COOLING												
BOP EQUIPMENT												
HOSE												
1ICS*HOSE1	FLEX METAL HOSE HTL BELLOWS	247.011	DW	118	LH	Y	Y	S	HF	10	36-68 A	Y
1ICS*HOSE2	FLEX METAL HOSE HTL BELLOWS	247.011	DW	118	LH	Y	Y	S	HF	10	36-68 A	Y
1ICS*HOSE61	FLEX METAL HOSE HTL BELLOWS	247.011	DW	142	LH	Y	Y	S	HF	10	36-68 A	Y
RV												
1ICS*RV130	RELIEF VALVES CROSBY	247.521	AB	80	LH	Y	NA	S	SO	699	NA A	Y
STR												
1ICS*STR1	STRAINER ZURN INDUSTRIES	228.957	CT	70	LH	Y	Y	S	NA	>1000	NA A	Y

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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 HTG	SEIS HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST

SYSTEM ISC

BOP EQUIPMENT

PI PRESSURE INDICATOR

1ISC*PI101	PRESS INDICATOR GE/ELECTROMECHANICS	242.444	CB	98	RH	Y	NA	NA	MF	NA	8 A	Y
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PT PRESSURE TRANSMITTER

1ISC*PT101	PRESS TRANSMITT ROSEMOUNT	247.401	CT	118	RH	Y	Y	NA	MF	48	46,47 A	Y
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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 HTG	SEIS HYDR	ANLYS TEST	LOWEST	---STATUS---
							QUAL INST

SYSTEM JCB SUPERSTRUCTURE - CONTROL ROOM

BOP EQUIPMENT

RAK RACK

1JCB*RAK1	INSTRUMENT RACK ASSEMBLIES HERCURY CO./NORWOOD	247.411	CB	98	CF	Y	NA	S	NA	37	7	A	Y
1JCB*RAK2	INSTRUMENT RACK ASSEMBLIES HERCURY CO./NORWOOD	247.411	CB	98	CF	Y	NA	S	NA	37	7	A	Y

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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---	QUAL INST

SYSTEM JPB SUPERSTRUCTURE - PRIMARY AUXILIARY BUILDING													
BOP EQUIPMENT													
DHP *													
1JPB*DHP1	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	35		1-34 A	Y
1JPB*DHP2	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	35		1-34 A	Y
1JPB*DHP3	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	35		1-34 A	Y
1JPB*DHP4	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	35		1-34 A	Y
1JPB*DHP5	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	35		1-34 A	Y
1JPB*DHP6	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	35		1-34 A	Y
RAK RACK													
1JPB*RAK1	INSTRUMENT RACK ASSEMBLIES HERCURY CO./NORWOOD	247.411	AB	95	CF	Y	NA	S	NA	37		2 A	Y
1JPB*RAK2	INSTRUMENT RACK ASSEMBLIES HERCURY CO./NORWOOD	247.411	AB	95	CF	Y	NA	S	NA	37		2 A	Y
1JPB*RAK3	INSTRUMENT RACK ASSEMBLIES HERCURY CO./NORWOOD	247.411	AB	141	CF	Y	NA	S	NA	37		4 A	Y
1JPB*RAK4	INSTRUMENT RACK ASSEMBLIES HERCURY CO./NORWOOD	247.411	AB	141	CF	Y	NA	S	NA	37		4 A	Y

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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---
							QUAL INST

SYSTEM JRB SUPERSTRUCTURE - REACTOR BUILDING

BOP E JIPHENT

DRA DOOR ACCESS

1JRB*DRA1	PERSONNEL AIR LOCK W.J. WOOLLEY CO.	219.711	CT	175 DM	Y	Y	S	NA	42	SEE 202 A Y
1JRB*DRA2	PERSONNEL AIR LOCK W.J. WOOLLEY CO.	219.711	CT	110 DM	Y	Y	S	NA	42	SEE 202 A Y

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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	---STATUS---	QUAL INST

SYSTEM LDS LEAK DETECTION SYSTEM											
BOP EQUIPMENT											
RTD RESISTANCE TEMPERATURE RECORDER											
1LDS*RTD1A	THERMOCOUPLES RTD PYCO	247.461	AB	95	DW	Y	NA	NA	HF	50	2 A Y
1LDS*RTD1B	THERMOCOUPLES RTD PYCO	247.461	AB	95	DW	Y	NA	NA	HF	50	2 A Y
1LDS*RTD1C	THERMOCOUPLES RTD PYCO	247.461	AB	95	DW	Y	NA	NA	HF	50	2 A Y
1LDS*RTD1D	THERMOCOUPLES RTD PYCO	247.461	AB	95	DW	Y	NA	NA	HF	50	2 A Y
1LDS*RTD2A	THERMOCOUPLES RTD PYCO	247.461	AB	114	DW	Y	NA	NA	HF	3	3 A Y
1LDS*RTD2B	THERMOCOUPLES RTD PYCO	247.461	AB	114	DW	Y	NA	NA	HF	50	3 A Y
1LDS*RTD2C	THERMOCOUPLES RTD PYCO	247.461	AB	114	DW	Y	NA	NA	HF	50	3 A Y
1LDS*RTD2D	THERMOCOUPLES RTD PYCO	247.461	AB	114	DW	Y	NA	NA	HF	50	3 A Y
1LDS*RTD3A	THERMOCOUPLES RTD PYCO	247.461	TB	128	DW	Y	NA	NA	HF	50	23,24 A Y
1LDS*RTD3B	THERMOCOUPLES RTD PYCO	247.461	TB	128	DW	Y	NA	NA	HF	50	23,24 A Y
1LDS*RTD3C	THERMOCOUPLES RTD PYCO	247.461	TB	128	DW	Y	NA	NA	HF	50	23,24 A Y
1LDS*RTD3D	THERMOCOUPLES RTD PYCO	247.461	TB	128	DW	Y	NA	NA	HF	50	23,24 A Y

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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--- QUAL INST

SYSTEM LDS LEAK DETECTION SYSTEM

BOP EQUIPMENT

RTD RESISTANCE TEMPERATURE RECORDER

1LDS*RTD4A	THERMOCOUPLES RTD PYCO	247.461	TB	95	DW	Y	NA	NA	MF	50	22 A	Y
1LDS*RTD4B	THERMOCOUPLES RTD PYCO	247.461	TB	95	DW	Y	NA	NA	MF	50	22 A	.
1LDS*RTD4C	THERMOCOUPLES RTD PYCO	247.461	TB	95	DW	Y	NA	NA	MF	50	22 A	Y
1LDS*RTD4D	THERMOCOUPLES RTD PYCO	247.461	TB	95	DW	Y	NA	NA	MF	50	22 A	Y

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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.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS

SYSTEM LSV LEAKAGE CONTROL - PENETRATION VALVE												
BOP EQUIPMENT												
C COMPRESSOR												
ILSV#C3A	COMPRESSOR ATLAS-COPCO	221.512	AB	141	CF	Y	NA	S	MF	>10	4 A	Y
ILSV#C3B	COMPRESSOR ATLAS-COPCO	221.512	AB	141	CF	Y	NA	S	MF	>10	4 A	Y
FE FLOW ELEMENT												
ILSV#FE20A	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	MF	NA	NA A	Y
ILSV#FE20B	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	MF	NA	NA A	Y
FS FLOW SWITCH												
ILSV#FS20A	FLOW SWITCH FCI	247.433	AB	159	DW	Y	NA	NA	MF	NA	5 A	Y
ILSV#FS20B	FLOW SWITCH FCI	247.433	AB	159	DW	Y	NA	NA	MF	NA	5 A	Y
MOV MOTOR OPERATED VALVE												
ILSV#MOV11A	VALVE H.O. 1"-1500 LB VELAN	228.214	AB	141	LH	Y	NA	S	SF	84	NA A	Y
ILSV#MOV11B	VALVE H.O. 1"-1500 LB VELAN	228.214	AB	141	LH	Y	NA	S	SF	84	NA A	Y
ILSV#MOV13A	VALVE H.O. 1"-1500 LB VELAN	228.214	AB	141	LH	Y	NA	S	SF	84	NA A	Y
ILSV#MOV13B	VALVE H.O. 1"-1500 LB VELAN	228.214	AB	141	LH	Y	NA	S	SF	84	NA A	Y

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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 HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM LSV LEAKAGE CONTROL - PENETRATION VALVE											
MOV MOTOR OPERATED VALVE											
1LSV#MOV15A	VALVE H.O. 1"-1500 LB VELAN	228.214	AB	95	LH	Y	N	S	SF	84	NA A Y
1LSV#MOV15B	VALVE H.O. 1"-1500 LB VELAN	228.214	AB	141	LH	Y	NA	S	SF	84	NA A Y
1LSV#MOV16A	VALVE H.O. 1"-1500 LB VELAN	228.214	AB	95	LH	Y	NA	S	SF	84	NA A Y
1LSV#MOV16B	VALVE H.O. 1"-1500 LB VELAN	228.214	AB	141	LH	Y	NA	S	SF	84	NA A Y
1LSV#MOV19A	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141	LH	Y	NA	S	SF	78	NA A Y
1LSV#MOV19B	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141	LH	Y	NA	S	SF	78	NA A Y
PNL PANEL											
1LSV#PNL55A	INSTRUMENT RACK ASSEMBLIES HERCURY CO./NORWOOD	247.411	CB	98	CH	Y	NA	S	NA	27	7 A Y
1LSV#PNL55B	INSTRUMENT RACK ASSEMBLIES HERCURY CO./NORWOOD	247.411	CB	98	CH	Y	NA	S	NA	27	7 A Y
PT PRESSURE TRANSMITTER											
1LSV#PT10A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	145	RH	Y	NA	NA	HF	48	5 A Y
1LSV#PT10B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	HF	48	4 A Y
1LSV#PT12A	PRESS TRANSHITT ROSEMOUNT(211.161)	247.481	AB	141	RH	Y	NA	NA	HF	48	4 A Y

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
N555 SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS

SYSTEM LSV LEAKAGE CONTROL - PENETRATION VALVE												
PT PRESSURE TRANSHITTER												
1LSV*PT12B	PRESS TRANSHITT ROSEMOUNT(211.161)	247.481	AB	114	RH	Y	NA	NA	MF	48	4 A	Y
1LSV*PT14B	PRESS TRANSHITT ROSEMOUNT(211.161)	247.481	AB	141	RH	Y	NA	NA	MF	48	4 A	Y
1LSV*PT17A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	95	RH	Y	NA	NA	MF	48	2 A	Y
1LSV*PT17B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	145	RH	Y	NA	NA	MF	48	5 A	Y
1LSV*PT21A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	128	RH	Y	NA	NA	MF	48	4 A	Y
1LSV*PT21B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	135	RH	Y	NA	NA	MF	48	4 A	Y
1LSV*PT22A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	145	RH	Y	NA	NA	MF	48	5 A	Y
1LSV*PT22B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	159	RH	Y	NA	NA	MF	48	5 A	Y
1LSV*PT26A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	145	RH	Y	NA	NA	MF	48	5 A	Y
1LSV*PT26B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	159	RH	Y	NA	NA	MF	48	5 A	Y
1LSV*PT9A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	145	RH	Y	NA	NA	MF	48	5 A	Y
1LSV*PT9B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	145	RH	Y	NA	NA	MF	48	5 A	Y
1LSV*PT14A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	114	RH	Y	NA	NA	MF	48	3 A	Y

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

DOCKET NO. 50-450

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

SYSTEM LSV LEAKAGE CONTROL - PENETRATION VALVE											
PV PRESSURE VALVE											
1LSV*PV10A	1"-150# GLOBE COPE'S VULCAN	247.497	AB	141	LH	Y	NA	S	HF	83	NA B Y
1LSV*PV10B	1"-150# GLOBE COPE'S VULCAN	247.497	AB	141	LH	Y	NA	S	HF	83	NA B Y
RAK RACK											
1LSV*RAK56A	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	AB	141	CF	Y	NA	S	NA	20	4 A Y
1LSV*RAK56B	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	AB	141	CF	Y	NA	S	NA	20	4 A Y
RV *											
1LSV*RV8A	RELIEF VALVES CROSBY	247.521	AB	141	LH	Y	NA	S	SO	268	NA A Y
1LSV*RV8B	RELIEF VALVES CROSBY	247.521	AB	141	LH	Y	NA	S	SO	268	NA A Y
SOVX *											
1LSV*SOVX26A	VALVE - 3/4" TARGET ROCK	247.501	AB	141	LH	Y	NA	S	HF	243	NA A Y
1LSV*SOVX26B	VALVE - 3/4" TARGET ROCK	247.501	AB	141	LH	Y	NA	S	HF	243	NA A Y
SOVY *											
1LSV*SOVY26A	VALVE - 3/4" TARGET ROCK	247.501	AB	141	LH	Y	NA	S	HF	243	NA A Y
1LSV*SOVY26B	VALVE - 3/4" TARGET ROCK	247.501	AB	141	LH	Y	NA	S	HF	243	NA A Y

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

SYSTEM LSV LEAKAGE CONTROL - PENETRATION VALVE

TK

*

1LSV*TK6A	AIR RECEIVER CT1	221.515	AB	141 CF	Y	NA S	NA 27	4 A Y
1LSV*TK6B	AIR RECEIVER CT1	221.515	AB	141 CF	Y	NA S	NA 10	4 A Y

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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 HTG	SEIS HYDR	ANLYS TEST	LOWEST	---STATUS---
							QUAL INST

SYSTEM MHR

*

BOP EQUIPMENT

CRN

*

1MHR-CRN1	POLAR CRANE WHITING CORP.	221.710	CT	212	DH	Y	Y	D	NA	2	50	A	Y
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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	LOWEST	---STATUS---
											QUAL INST

SYSTEM HSI MAIN STEAM ISOLATION VALVE SEALS

BOP EQUIPMENT

HOSE

1HSI*HOSE49	FLEX METAL HOSE HTL BELLOWS	247.011	AB	114	LH	Y	NA	S	MF	10	3 A	Y
1HSI*HOSE50	FLEX METAL HOSE HTL BELLOWS	247.011	AB	114	LH	Y	NA	S	MF	10	3 A	Y
1HSI*HOSE53	FLEX METAL HOSE HTL BELLOWS	247.011	AB	114	LH	Y	NA	S	MF	10	3 A	Y

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ENGINEER: STONE & WEBSTER
N555 SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS
												INST

SYSTEM N55 MAIN STEAM												
BOP EQUIPMENT												
HOSE												
1HSS*HOSE103	FLEX METAL HOSE MTL BELLOWS	247.011	DW	134	LH	Y	Y	S	HF	10	36-68 A	Y
1HSS*HOSE104	FLEX METAL HOSE MTL BELLOWS	247.011	DW	134	LH	Y	Y	S	HF	10	36-68 A	Y
1HSS*HOSE113	FLEX METAL HOSE MTL BELLOWS	247.011	DW	129	LH	Y	Y	S	HF	10	36-68 A	Y
1HSS*HOSE114	FLEX METAL HOSE MTL BELLOWS	247.011	DW	134	LH	Y	Y	S	HF	10	36-68 A	Y
1HSS*HOSE121	FLEX METAL HOSE MTL BELLOWS	247.011	DW	133	LH	Y	Y	S	HF	10	36-68 A	Y
1HSS*HOSE122	FLEX METAL HOSE MTL BELLOWS	247.011	DW	133	LH	Y	Y	S	HF	10	36-68 A	Y
1HSS*HOSE124	FLEX METAL HOSE MTL BELLOWS	247.011	DW	131	LH	Y	Y	S	HF	10	36-68 A	Y
1HSS*HOSE131	FLEX METAL HOSE MTL BELLOWS	247.011	DW	139	LH	Y	Y	S	HF	10	36-68 A	Y
1HSS*HOSE132	FLEX METAL HOSE MTL BELLOWS	247.011	DW	139	LH	Y	Y	S	HF	10	36-68 A	Y
1HSS*HOSE139	FLEX METAL HOSE MTL BELLOWS	247.011	DW	130	LH	Y	Y	S	HF	10	36-68 A	Y
1HSS*HOSE140	FLEX METAL HOSE MTL BELLOWS	247.011	DW	130	LH	Y	Y	S	HF	10	36-68 A	Y
1HSS*HOSE173	FLEX METAL HOSE MTL BELLOWS	247.011	DW	139	LH	Y	Y	S	HF	10	36-68 A	Y

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-450

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOHEST	RRS REF	STATUS
											QUAL	INST

SYSTEM NSS MAIN STEAM												
BOP EQUIPMENT												
HOSE												
1HSS*HOSE176	FLEX. METAL HOSE HTL BELLOWS	247.011	DW	140	LH	Y	Y	S	MF	10	36-60 A	Y
1HSS*HOSE179	FLEX. METAL HOSE HTL BELLOWS	247.011	DW	130	LH	Y	Y	S	MF	36-60	58-60 A	Y
1HSS*HOSE77	FLEX METAL HOSE HTL BELLOWS	247.011	DW	129	LH	Y	Y	S	MF	10	36-60 A	Y
1HSS*HOSE78	FLEX METAL HOSE HTL BELLOWS	247.011	DW	134	LH	Y	Y	S	MF	10	36-60 A	Y
1HSS*HOSE95	FLEX METAL HOSE HTL BELLOWS	247.011	DW	129	LH	Y	Y	S	MF	10	36-60 A	Y

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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--- QUAL INST

SYSTEM NHS

*

BOP EQUIPMENT

HCC MOTOR CONTROL CENTER

INHS#HCC15A	MOTOR CONTROL CENTERS GOULD, INC.	242.562	DG	98	CF	Y	NA	NA	HF	5	12 A	Y
INHS#HCC15B	MOTOR CONTROL CENTERS GOULD, INC.	242.562	DG	98	CF	Y	NA	NA	HF	5	12 A	Y

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ENGINEER: STONE & WEBSTER
N555 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---	
											QUAL	INST

SYSTEM NNS EMERGENCY 5KV ELECTRICAL SYSTEM

BOP EQUIPMENT

SWG SWITCHGEAR

INNS*SWG5A	SWITCHGEAR BROWN-BOVERI	242.521	FB	098	CF	Y	NA	NA	MF	8	17 A	Y
INNS*SWG5B	SWITCHGEAR BROWN-BOVERI	242.521	FB	098	CF	Y	NA	NA	MF	8	17 A	Y

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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 RCP ELECTRICAL PENETRATIONS												
BOP EQUIPMENT												
LVC *												
1RCP#LVC05	ELEC. PENETRATION CONAX	241.211	CT	148	DM	Y	Y	S	MF	654	SEE 203 A Y	
1RCP#LVC06	ELEC. PENETRATION CONAX	241.211	CT	148	DM	Y	Y	S	MF	654	SEE 203 A Y	
1RCP#LVC11	ELEC. PENETRATION CONAX	241.211	CT	121	DM	Y	Y	S	MF	654	SEE 204 A Y	
1RCP#LVC11A	ELEC. PENETRATION CONAX	241.211	CT	117	DM	Y	Y	S	MF	654	SEE 204 A Y	
1RCP#LVC18	ELEC. PENETRATION CONAX	241.211	CT	121	DM	Y	Y	S	MF	654	SEE 204 A Y	
1RCP#LVC18A	ELEC. PENETRATION CONAX	241.211	CT	117	DM	Y	Y	S	MF	654	SEE 204 A Y	
1RCP#LVC21	ELEC. PENETRATION CONAX	241.211	CT	121	DM	Y	Y	S	MF	654	SEE 204 A Y	
LVI *												
1RCP#LVI05A	ELEC. PENETRATION CONAX	241.211	CT	144	DM	Y	Y	S	MF	654	SEE 203 A Y	
1RCP#LVI06A	ELEC. PENETRATION CONAX	241.211	CT	144	DM	Y	Y	S	MF	654	SEE 203 A Y	
1RCP#LVI10A	ELEC. PENETRATION CONAX	241.211	CT	117	DM	Y	Y	S	MF	654	SEE 204 A Y	
1RCP#LVI12	ELEC. PENETRATION CONAX	241.211	CT	121	DM	Y	Y	S	MF	654	SEE 204 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	-----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*LVI12A	ELEC. PENETRATION CONAX	241.211	CT	117	DM	Y	Y	S	MF	654	SEE 204 A Y	
1RCP*LVI13A	ELEC. PENETRATION CONAX	241.211	CT	117	DM	Y	Y	S	MF	654	SEE 204 A Y	
1RCP*LVI14	ELEC. PENETRATION CONAX	241.211	CT	121	DM	Y	Y	S	MF	654	SEE 204 A Y	
1RCP*LVI14A	ELEC. PENETRATION CONAX	241.211	CT	117	DM	Y	Y	S	MF	654	SEE 204 A Y	
1RCP*LVI15A	ELEC. PENETRATION CONAX	241.211	CT	117	DM	Y	Y	S	MF	654	SEE 204 A Y	
1RCP*LVI17B	ELEC. PENETRATION CONAX	241.211	CT	117	DM	Y	Y	S	MF	654	SEE 204 A Y	
1RCP*LVI17C	ELEC. PENETRATION CONAX	241.211	CT	117	DM	Y	Y	S	MF	654	SEE 204 A Y	
1RCP*LVI19A	ELEC. PENETRATION CONAX	241.211	CT	117	DM	Y	Y	S	MF	654	SEE 204 A Y	
1RCP*LVI20A	ELEC. PENETRATION CONAX	241.211	CT	117	DM	Y	Y	S	MF	654	SEE 204 A Y	
1RCP*LVI21A	ELEC. PENETRATION CONAX	241.211	CT	117	DM	Y	Y	S	MF	654	SEE 204 A Y	
LVP *												
1RCP*LVP03	ELEC. PENETRATION CONAX	241.211	CT	148	DM	Y	Y	S	MF	654	SEE 203 A Y	
1RCP*LVP03A	ELEC. PENETRATION CONAX	241.211	CT	144	DM	Y	Y	S	MF	654	SEE 203 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. 50-450

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 RCP ELECTRICAL PENETRATIONS													
LVP													
1RCPwLVP04	ELEC. PENETRATION CONAX	241.211	CT	140	DH	Y	Y	S	HF	654		SEE 203 A Y	
1RCPwLVP04A	ELEC. PENETRATION CONAX	241.211	CT	144	DH	Y	Y	S	HF	654		SEE 203 A Y	
1RCPwLVP07	ELEC. PENETRATION CONAX	241.211	CT	140	DH	Y	Y	S	HF	654		SEE 203 A Y	
1RCPwLVP07A	ELEC. PENETRATION CONAX	241.211	CT	144	DH	Y	Y	S	HF	654		SEE 203 A Y	
1RCPwLVP08	ELEC. PENETRATION CONAX	241.211	CT	140	DH	Y	Y	S	HF	654		SEE 203 A Y	
1RCPwLVP08A	ELEC. PENETRATION CONAX	241.211	CT	144	DH	Y	Y	S	HF	654		SEE 203 A Y	
1RCPwLVP09	ELEC. PENETRATION CONAX	241.211	CT	121	DH	Y	Y	S	HF	654		SEE 204 A Y	
1RCPwLVP09A	ELEC. PENETRATION CONAX	241.211	CT	117	DH	Y	Y	S	HF	654		SEE 204 A Y	
1RCPwLVP16	ELEC. PENETRATION CONAX	241.211	CT	121	DH	Y	Y	S	HF	654		SEE 204 A Y	
1RCPwLVP16A	ELEC. PENETRATION CONAX	241.211	CT	117	DH	Y	Y	S	HF	654		SEE 204 A Y	
1RCPwLVP22	ELEC. PENETRATION CONAX	241.211	CT	121	DH	Y	Y	S	HF	654		SEE 204 A Y	
1RCPwLVP22A	ELEC. PENETRATION CONAX	241.211	CT	117	DH	Y	Y	S	HF	654		SEE 204 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	-----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 RCP ELECTRICAL PENETRATIONS											
HVP *											
1RCP#HVP01	ELEC. PENETRATION CONAX	241.211	CT	126 DM	Y	Y	S	MF	654	SEE 204 A Y	
1RCP#HVP02	ELEC. PENETRATION CONAX	241.211	CT	133 DM	Y	Y	S	MF	654	47,114,147 A Y	
NHS *											
1RCP#NHS10	ELEC. PENETRATION CONAX	241.211	CT	121 DM	Y	Y	S	MF	654	SEE 204 A Y	
1RCP#NHS13	ELEC. PENETRATION CONAX	241.211	CT	121 DM	Y	Y	S	MF	654	SEE 204 A Y	
1RCP#NHS19	ELEC. PENETRATION CONAX	241.211	CT	121 DM	Y	Y	S	MF	654	SEE 204 A Y	
1RCP#NHS20	ELEC. PENETRATION CONAX	241.211	CT	121 DM	Y	Y	S	MF	654	SEE 204 A Y	
TCA *											
1RCP#TCA01	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	114 CF	Y	NA	D	NA	20	3 A Y	
1RCP#TCA02	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	114 CF	Y	NA	D	NA	20	3 A Y	
1RCP#TCA03	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	114 CF	Y	NA	D	NA	20	3 A Y	
1RCP#TCA04	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	114 CF	Y	NA	D	NA	20	3 A Y	
1RCP#TCA05	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	114 CF	Y	NA	D	NA	20	3 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	-----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												
TCA												
1RCP*TCA06	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	114	CF	Y	NA	D	NA	20	3 A	Y
1RCP*TCA07	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	114	CF	Y	NA	D	NA	20	3 A	Y
1RCP*TCA08	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	114	CF	Y	NA	D	NA	20	3 A	Y
1RCP*TCA09	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	114	CF	Y	NA	D	NA	20	3 A	Y
1RCP*TCA10	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	114	CF	Y	NA	D	NA	20	3 A	Y
1RCP*TCA11	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	141	CF	Y	NA	D	NA	20	4 A	Y
1RCP*TCA12	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	141	CF	Y	NA	D	NA	20	4 A	Y
1RCP*TCA13	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	141	CF	Y	NA	D	NA	20	4 A	Y
1RCP*TCA14	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	141	CF	Y	NA	D	NA	20	4 A	Y
1RCP*TCA15	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	141	CF	Y	NA	D	NA	20	4 A	Y
1RCP*TCA16	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	141	CF	Y	NA	D	NA	20	4 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.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS
												QUAL INST

SYSTEM RCP ELECTRICAL PENETRATIONS												
TCF *												
1RCP*TCF01	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	FB	114	CF	Y	NA	D	NA	20	18 A	Y
1RCP*TCF02	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	FB	114	CF	Y	NA	D	NA	20	18 A	Y
1RCP*TCF03	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	FB	114	CF	Y	NA	D	NA	20	18 A	Y
1RCP*TCF04	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	FB	114	CF	Y	NA	D	NA	20	18 A	Y
TCR *												
1RCP*TCR01A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	114	DH	Y	Y	D	NA	20	SEE 205 A	Y
1RCP*TCR01F	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	114	DH	Y	Y	D	NA	20	SEE 205 A	Y
1RCP*TCR010A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	114	DH	Y	Y	D	NA	20	SEE 205 A	Y
1RCP*TCR02A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	114	DH	Y	Y	D	NA	20	SEE 205 A	Y
1RCP*TCR02F	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	114	DH	Y	Y	D	NA	20	SEE 205 A	Y
1RCP*TCR03A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	114	DH	Y	Y	D	NA	20	SEE 205 A	Y
1RCP*TCR03F	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	114	DH	Y	Y	D	NA	20	SEE 205 A	Y
1RCP*TCR04A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	114	DH	Y	Y	D	NA	20	SEE 205 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	-----EQUIPMENT-----	SPEC NO.	---LOCATION---			---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----		
	DESCRIPTION MANUFACTURER		BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS--- QUAL INST	

SYSTEM RCP ELECTRICAL PENETRATIONS												
TCR												
1RCP*TCR04F	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	114	DM	Y	Y	D	NA	20	SEE 205 A Y	
1RCP*TCR05A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	CH	114	DM	Y	Y	D	NA	20	SEE 205 A Y	
1RCP*TCR06A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	114	DM	Y	Y	D	NA	20	SEE 205 A Y	
1RCP*TCR07A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	114	DM	Y	Y	D	NA	20	SEE 205 A Y	
1RCP*TCR08A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	114	DM	Y	Y	D	NA	20	SEE 205 A Y	
1RCP*TCR09A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	114	DM	Y	Y	D	NA	20	SEE 205 A Y	
1RCP*TCR11A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	141	DM	Y	Y	D	NA	20	SEE 205 A Y	
1RCP*TCR12A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	141	DM	Y	Y	D	NA	20	SEE 205 A Y	
1RCP*TCR13A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	141	DM	Y	Y	D	NA	20	SEE 205 A Y	
1RCP*TCR14A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	141	DM	Y	Y	D	NA	20	SEE 205 A Y	
1RCP*TCR15A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	141	DM	Y	Y	D	NA	20	SEE 205 A Y	
1RCP*TCR16A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	141	DM	Y	Y	D	NA	20	SEE 205 A Y	

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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. 50-450

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 RCS REACTOR COOLANT											
BOP EQUIPMENT											
HOSE *											
1RCS*HOSE1	FLEX METAL HOSE HTL BELLOWS	247.011	DW	06 LH	Y	Y	S	HF	10	36-68 A	Y
1RCS*HOSE105	FLEX METAL HOSE HTL BELLOWS	247.011	DW	90 LH	Y	Y	S	HF	10	36-68 A	Y
1RCS*HOSE108	FLEX METAL HOSE HTL BELLOWS	247.011	DW	90 LH	Y	Y	S	HF	10	36-68 A	Y
1RCS*HOSE124	FLEX METAL HOSE HTL BELLOWS	247.011	DW	92 LH	Y	Y	S	HF	10	36-68 A	Y
1RCS*HOSE125	FLEX METAL HOSE HTL BELLOWS	247.011	DW	91 LH	Y	Y	S	HF	10	36-68 A	Y
MOV MOTOR OPERATED VALVE											
1RCS*MOV58A	VALVE H.O. 1"-1500 LB VELAN	228.216	CT	141 LH	Y	Y	S	SF	58	NA A	Y
1RCS*MOV58B	VALVE H.O. 1"-1500 LB VELAN	228.216	CT	141 LH	Y	Y	S	SF	58	NA A	Y
1RCS*MOV59A	VALVE H.O. 1"-1500 LB VELAN	228.216	CT	141 LH	Y	Y	S	SF	58	NA A	Y
1RCS*MOV59B	VALVE H.O. 1"-1500 LB VELAN	228.216	CT	141 LH	Y	Y	S	SF	58	NA A	Y
1RCS*MOV60A	VALVE H.O. 1/2"-1500 LB VELAN	228.216	CT	141 LH	Y	Y	S	SF	52	NA A	Y
1RCS*MOV60B	VALVE H.O. 1/2"-1500 LB VELAN	228.216	CT	141 LH	Y	Y	S	SF	52	NA A	Y

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

SYSTEM RCS REACTOR COOLANT

HOV MOTOR OPERATED VALVE

1RCS#HOV61A	VALVE H.O. 3/4"-1500 LB VELAN	228.216	CT	141 LH	Y	Y	S	SF	46	NA A	Y
1RCS#HOV61B	VALVE H.O. 3/4"-1500LB VELAN	228.216	CT	141 LH	Y	Y	S	SF	46	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	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS

SYSTEM RHS RESIDUAL HEAT REMOVAL SYSTEM												
BOP EQUIPMENT												
FI FLOW INDICATOR												
1RHS*FI15B	FLOW INDICATOR GE/ELECTROMECHANICS	242.444	CB	98	RH	Y	NA	NA	MF	NA	8 A	Y
1RHS*FI15C	FLOW INDICATOR GE/ELECTROMECHANICS	242.444	CB	98	RH	Y	NA	NA	MF	NA	8 A	Y
HOSE												
1RHS*HOSE160	FLEX METAL HOSE HTL BELLOWS	247.011	DW	136	LH	Y	Y	S	MF	10	36-68 A	Y
1RHS*HOSE161	FLEX METAL HOSE HTL BELLOWS	247.011	DW	136	LH	Y	Y	S	MF	10	36-68 A	Y
1RHS*HOSE164	FLEX METAL HOSE HTL BELLOWS	247.011	DW	136	LH	Y	Y	S	MF	10	36-68 A	Y
LI LEVEL INDICATOR												
1RHS*LI119	LEVEL INDICATOR GE/ELECTROMECHANICS	242.444	CB	98	RH	Y	NA	NA	MF	NA	8 A	Y
LT LEVEL TRANSMITTER												
1RHS*LT119	PRESS TRANSMITT ROSEMOUNT	247.461	CT	118	RH	Y	Y	NA	MF	48	46,47 A	Y
RTD RESISTANCE TEMPERATURE RECORDER												
1RHS*RTD47A	THERMOCOUPLES RTD PYCO	247.461	AB	70	LH	Y	NA	NA	MF	50	NA A	Y
1RHS*RTD47B	THERMOCOUPLES RTD PYCO	247.461	AB	70	LH	Y	NA	NA	MF	50	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	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOREST	RRS REF	STATUS	QUAL	INST

SYSTEM RBS RESIDUAL HEAT REMOVAL SYSTEM														
RTD RESISTANCE TEMPERATURE RECORDER														
1RHS=RTD50A	THERMOCOUPLES RTD PYCO(211.161)	247.461	AB	74	DW	Y	NA	NA	MF	50	2 A	FL		
1RHS=RTD50B	THERMOCOUPLES RTD PYCO(211.161)	247.461	AB	75	DW	Y	NA	NA	MF	50	2 A	FL		
1RHS=RTD51A	THERMOCOUPLES RTD PYCO(211.161)	247.461	AB	73	DW	Y	NA	NA	MF	50	2 A	FL		
1RHS=RTD51B	THERMOCOUPLES RTD PYCO(211.161)	247.461	AB	74	DW	Y	NA	NA	MF	50	2 A	FL		
1RHS=RTD52A	THERMOCOUPLES RTD PYCO(211.161)	247.461	AB	75	DW	Y	NA	NA	MF	50	2 A	FL		
1RHS=RTD52B	THERMOCOUPLES RTD PYCO(211.161)	247.461	AB	75	DW	Y	NA	NA	MF	50	2 A	FL		
1RHS=RTD53A	THERMOCOUPLES RTD PYCO(211.161)	247.461	AB	100	DW	Y	NA	NA	MF	50	2 A	FL		
1RHS=RTD53B	THERMOCOUPLES RTD PYCO(211.161)	247.461	AB	100	DW	Y	NA	NA	MF	50	2 A	FL		
1RHS=RTD54A	THERMOCOUPLES RTD PYCO(211.161)	247.461	AB	100	DW	Y	NA	NA	MF	50	2 A	FL		
1RHS=RTD54B	THERMOCOUPLES RTD PYCO(211.161)	247.461	AB	100	DW	Y	NA	NA	MF	50	2 A	FL		
1RHS=RTD55A	THERMOCOUPLES RTD PYCO(211.161)	247.461	AB	121	DW	Y	NA	NA	MF	50	3 A	FL		
1RHS=RTD55B	THERMOCOUPLES RTD PYCO(211.161)	247.461	AB	118	DW	Y	NA	NA	MF	50	3 A	FL		

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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.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS	QUAL	INST

SYSTEM RHS RESIDUAL HEAT REMOVAL SYSTEM														
RTD RESISTANCE TEMPERATURE RECORDER														
1RHS*RTD56A	THERMOCOUPLES RTD PYCO(211.161)	247.461	AB	116	DH	Y	NA	NA	HF	50	3	A	FL	
1RHS*RTD56B	THERMOCOUPLES RTD PYCO(211.161)	247.461	AB	116	DH	Y	NA	NA	HF	50	3	A	FL	
RV														
1RHS*RV3A	RELIEF VALVES CROSBY	247.521	AB	106	LH	Y	NA	S	SO	123	NA	A	Y	
1RHS*RV3B	RELIEF VALVES CROSBY	247.521	AB	106	LH	Y	NA	S	SO	123	NA	A	Y	
STR														
1RHS*STR1A	STRAINER ZURN INDUSTRIES	228.957	CT	70	LH	NA	Y	S	NA	445	NA	A	Y	
1RHS*STR1B	STRAINER ZURN INDUSTRIES	228.957	CT	70	LH	NA	Y	S	NA	445	NA	A	Y	
1RHS*STR1C	STRAINER ZURN INDUSTRIES	228.957	CT	70	LH	NA	Y	S	NA	445	NA	A	Y	

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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	LOHEST	---STATUS--- QUAL INST

SYSTEM RMS RADIATION MONITORING

BOP EQUIPMENT

CABX

1RMS=CABX125	SIGNAL ASSY GA	247.250	CB	75	DW	Y	NA	NA	MF	13	7 A	Y
1RMS=CABX5A	SIGNAL ASSY GA	247.250	CB	75	DW	Y	NA	NA	MF	13	7 A	Y
1RMS=CABX5B	SIGNAL ASSY. QA	247.250	FB	153	CF	Y	NA	NA	MF	13	20 A	Y

CAB CABINET

1RMS=CAB11A	CABINET GA	247.250	AB	170	CF	Y	NA	NA	MF	33	5 A	Y
1RMS=CAB11B	CABINET GA	247.250	AB	170	CF	Y	NA	NA	MF	33	5 A	Y
1RMS=CAB111	CABINET GA	247.250	CT	162	CF	Y	Y	NA	MF	20	48, 115, 148 A	Y
1RMS=CAB112	CABINET GA	247.250	CT	141	CF	Y	Y	NA	MF	20	48, 115, 148 A	Y
1RMS=CAB125	CABINET GA	247.250	CB	70	CF	Y	NA	NA	MF	>33	1 A	Y
1RMS=CAB13A	CABINET GA	247.250	CB	98	CF	Y	NA	NA	MF	18	7 A	Y
1RMS=CAB13B	CABINET GA	247.250	CB	98	CF	Y	NA	NA	MF	18	7 A	Y
1RMS=CAB14A	CABINET GA	247.250	SH-CL	118	CF	Y	NA	NA	MF	18	32 A	Y

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ENGINEER: STONE & WEBSTER
NSSF SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS

SYSTEM RMS RADIATION MONITORING												
CAB CABINET												
1RHS=CAB14B	CABINET GA	247.250	SH-CL	118	CF	Y	NA	NA	HF	18	32 A	Y
1RHS=CAB15A	CABINET GA	247.250	AB	96	CF	Y	NA	NA	HF	18	2 A	Y
1RHS=CAB15B	CABINET GA	247.250	AB	95	CF	Y	NA	NA	HF	33	2 A	Y
1RHS=CAB16A	CABINET GA	247.250	CB	73	DH	Y	NA	NA	HF	33	7 A	Y
1RHS=CAB16B	CABINET GA	247.250	CB	73	DH	Y	NA	NA	HF	33	7 A	Y
1RHS=CAB20A	CABINET GA	247.250	CB	73	DH	Y	NA	NA	HF	33	7 A	Y
1RHS=CAB20B	CABINET GA	247.250	CB	73	DH	Y	NA	NA	HF	33	7 A	Y
1RHS=CAB21A	CABINET GA	247.250	CB	73	DH	Y	NA	NA	HF	33	7 A	Y
1RHS=CAB21B	CABINET GA	247.250	CB	73	DH	Y	NA	NA	HF	33	7 A	Y
1RHS=CAB5A	CABINET GA	247.250	CB	73	CF	Y	NA	NA	HF	33	7 A	Y
1RHS=CAB5B	CABINET GA	247.250	FB	148	CF	Y	NA	NA	HF	32	19 A	Y

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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 RMS RADIATION MONITORING												
FEX												
1RHS=FEX125	VEL PROBE GA	247.250	AB	226	LH	Y	NA	S	NA	25	NA A	Y
FEY												
1RHS=FEY125	VEL PROBE GA	247.250	AB	226	LH	Y	NA	S	NA	25	NA A	Y
FE FLOW ELEMENT												
1RHS=FE5A	VEL PROBE GA	247.250	FB	148	LH	Y	NA	S	NA	25	NA A	Y
1RHS=FE5B	VEL PROBE GA	247.250	FB	148	LH	Y	NA	S	NA	25	NA A	Y
HX												
1RHS=HX11A	HEAT EXCHANGER GA	247.250	AB	178	DH	Y	NA	NA	HF	22	5 A	Y
1RHS=HX11B	HEAT EXCHANGER GA	247.250	AB	178	DH	Y	NA	NA	HF	22	5 A	Y
JB												
1RHS=JB270	ISOLATION BOX GA	247.250	CB	75	DH	Y	NA	NA	HF	>33	7 A	Y
1RHS=JB271	ISOLATION BOX GA	247.250	SH	123	DH	Y	NA	NA	HF	>33	32 A	Y
1RHS=JB272	ISOLATION BOX	247.250	CB	103	DH	Y	NA	NA	HF	>33	8 A	Y

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

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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 RMS RADIATION MONITORING													
REX *													
1RHS*REX125	MONITOR GA	247.250	AB	170	CF	Y	NA	NA	HF	14	5	A	Y
1RHS*REX5A	MONITOR GA	247.250	FB	148	CF	Y	NA	NA	HF	14	19	A	Y
REY *													
1RHS*REY125	HCU GA	247.250	AB	170	EH	Y	NA	NA	HF	NA	5	A	Y
1RHS*REY13A	HCU GA	247.250	CB	98	EH	Y	NA	NA	HF	NA	7	A	Y
1RHS*REY13B	HCU GA	247.250	CB	98	EH	Y	NA	NA	HF	NA	7	A	Y
1RHS*REY14A	HCU GA	247.250	SH-CL	118	EH	Y	NA	NA	HF	NA	31	A	Y
1RHS*REY14B	HCU GA	247.250	SH-CL	118	EH	Y	NA	NA	HF	NA	31	A	Y
RE PRIMARY RADIOACTIVITY ELEMENT													
1RHS*RE11A	MONITOR GA	247.250	AB	170	CF	Y	NA	NA	HF	33	5	A	Y
1RHS*RE11B	MONITOR GA	247.250	AB	170	CF	Y	NA	NA	HF	33	5	A	Y
1RHS*RE111	MONITOR GA	247.250	CT	162	CF	Y	Y	NA	HF	33	48, 115, 148	A	Y
1RHS*RE112	MONITOR GA	247.250	CT	141	CF	Y	Y	NA	HF	33	48, 115, 148	A	Y

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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 RMS RADIATION MONITORING												
RE PRIMARY RADIOACTIVITY ELEMENT												
1RHS*RE125	MONITOR GA	247.250	AB	170	CF	Y	NA	NA	HF	33	5 A	Y
1RHS*RE13A	MONITOR GA	247.250	CB	116	CF	Y	NA	NA	HF	33	8 A	Y
1RHS*RE13B	CABINET GA	247.250	CB	116	CF	Y	NA	NA	HF	33	8 A	Y
1RHS*RE14A	CABINET GA	247.250	SW-CL	118	CF	Y	NA	NA	HF	33	31 A	Y
1RHS*RE14B	CABINET GA	247.250	SW-CL	118	CF	Y	NA	NA	HF	33	31 A	Y
1RHS*RE15A	MONITOR GA	247.250	AB	96	CF	Y	NA	NA	HF	33	1 A	Y
1RHS*RE15B	MONITOR GA	247.250	AB	95	CF	Y	NA	NA	HF	33	2 A	Y
1RHS*RE16A	MONITOR GA	247.250	CT	186	DW	Y	Y	NA	HF	33	49, 116, 149 A	Y
1RHS*RE16B	MONITOR GA	247.250	CT	186	DW	Y	Y	NA	HF	33	49, 116, 149 A	Y
1RHS*RE20A	MONITOR GA	247.250	DW	126	DW	Y	Y	NA	HF	33	59, 126, 159 A	Y
1RHS*RE20B	MONITOR GA	247.250	DW	138	DW	Y	Y	NA	HF	33	60, 127, 160 A	Y
1RHS*RE21A	MONITOR GA	247.250	CT	148	LH	Y	Y	NA	HF	33	NA A	Y

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS	QUAL	INST

SYSTEM RMS RADIATION MONITORING														
RE PRIMARY RADIOACTIVITY ELEMENT														
1RMS*RE21B	MONITOR GA	247.250	CT	148	LM	Y	Y	NA	HF	33	NA A	Y		
1RMS*RE5A	MONITOR GA	247.250	FB	148	CF	Y	NA	NA	HF	33	17 A	Y		
1RMS*RE5B	MONITOR GA	247.250	FB	148	CF	Y	NA	NA	HF	33	17 A	Y		
RI RADIOACTIVITY INDICATOR														
1RMS*RI21A	INDICATOR GA	247.250	CT	146	DH	Y	Y	NA	HF	33	48, 115, 148 A	Y		
1RMS*RI21B	INDICATOR GA	247.250	CT	146	DH	Y	Y	NA	HF	33	48, 115, 148 A	Y		
SHPT														
1RMS*SHPT103	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	AB	141	DH	Y	NA	D	NA	10	4 A	Y		
1RMS*SHPT11A	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	SB	189	DH	Y	Y	D	NA	10	40.41 A	Y		
1RMS*SHPT11B	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	SB	189	DH	Y	Y	D	NA	10	40.41 A	Y		
1RMS*SHPT110	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	AB	141	DH	Y	NA	D	NA	10	4 A	Y		
1RMS*SHPT125	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	SB	226	DH	Y	Y	D	NA	10	42.43 A	Y		
1RMS*SHPT126	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	SB	222	DH	Y	Y	D	NA	10	42.43 A	Y		

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOHEST	RRS REF	STATUS

SYSTEM RMS RADIATION MONITORING												
SHPT												
1RMS*SHPT14A	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	SH-CL	118	DM	Y	NA	D	NA	10	31 A	Y
1RMS*SHPT14B	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	SH-CL	118	DM	Y	NA	D	NA	10	31 A	Y
1RMS*SHPT5A	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	FB	148	DM	Y	NA	D	NA	10	19 A	Y
1RMS*SHPT5B	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	FB	148	DM	Y	NA	D	NA	10	19 A	Y

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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 HTG	SEIS HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST

SYSTEM RPS

BOP EQUIPMENT

XRC

1RPS-XRC10A1	TRANSFORMER ELGAR CORP.	244.512	CB	116 CF	Y	NA NA	HF	8,9 A	Y
1RPS-XRC10B1	TRANSFORMER ELGAR CORP.	244.512	CB	116 CF	Y	NA NA	HF	8,9 A	Y

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL	INST

SYSTEM PSS													
* BOP EQUIPMENT													
PNL PANEL													
1RSS*PNL101	CONTROL BOARDS ELECTRO MECHANICS	242.444	CB	98	CF	Y	NA	NA	MF	17	3 A	Y	
1RSS*PNL102	CONTROL BOARDS ELECTRO MECHANICS	242.444	CB	98	CF	Y	NA	NA	MF	24	8 A	Y	

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MASTER LIST OF SAFETY RELATED EQUIPMENT

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[illegible]

SYSTEM SAS SERVICE AIR

BOP EQUIPMENT

MOV MOTOR OPERATED VALVE

ISAS#HOV102	VALVE H.O. 4"-150 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	52	NA A	Y
ISAS#HOV103	VALVE H.O. 4"-150 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	52	NA A	Y

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ENGINEER: STONE & WEBSTER
NSSF SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-958

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

SYSTEM SCH STATION CONTROL MONITORING (VITAL) INDICATION

BOP EQUIPMENT

PNL PANEL

1SCH*PNL01A	PANEL BOARDS SQUARE "D" CO.	242.421	CB	136 DH	Y	NA NA	SF	21	9 A	Y
1SCH*PNL01B	PANEL BOARDS SQUARE "D" CO.	242.421	CB	136 DH	Y	NA NA	SF	21	9 A	Y

XRC

1SCH*XRC14A1	TRANSFORMER ELGAR CORP.	244.512	CB	116 CF	Y	NA S	HF		8,9 A	Y
1SCH*XRC14B1	TRANSFORMER ELGAR CORP.	244.512	CB	116 CF	Y	NA S	HF		8,9 A	Y

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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---	QUAL INST

SYSTEM SCV STA CONT BUS (VITAL) - AC SUPPLY INCL TFMR & TRANS SW												
BOP EQUIPMENT												
PNL PANEL												
1SCV*PNL14A1	PANEL BOARDS SQUARE "D" CO.	242.421	CB	98	DH	Y	NA	NA	SF	19	7 A	Y
1SCV*PNL14B1	PANEL BOARDS SQUARE "D" CO.	242.421	CB	98	DH	Y	NA	NA	SF	19	7 A	Y
1SCV*PNL15A1	PANEL BOARDS SQUARE "D" CO.	242.421	DG	98	DH	Y	NA	NA	SF	19	12 A	Y
1SCV*PNL15B1	PANEL BOARDS SQUARE "D" CO.	242.421	DG	98	DH	Y	NA	NA	SF	19	12 A	Y
1SCV*PNL2A1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DH	Y	NA	NA	SF	19	4 A	Y
1SCV*PNL2A2	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DH	Y	NA	NA	SF	19	4 A	Y
1SCV*PNL2B1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DH	Y	NA	NA	SF	19	4 A	Y
1SCV*PNL2B2	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DH	Y	NA	NA	SF	19	4 A	Y
1SCV*PNL2C1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DH	Y	NA	NA	SF	19	4 A	Y
1SCV*PNL2D1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DH	Y	NA	NA	SF	19	4 A	Y
1SCV*PNL2E1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	114	DH	Y	NA	NA	SF	19	3 A	Y
1SCV*PNL2F1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	114	DH	Y	NA	NA	SF	19	3 A	Y

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NSSS SUPPLIER: GENERAL ELECTRIC

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EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS

SYSTEM SCV STA CONT BUS (VITAL) - AC SUPPLY INCL TFMR & TRANS SW												
BOP EQUIPMENT												
PNL PANEL												
1SCV*PNL2G1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	114	DW	Y	NA	NA	SF	19	3 A	Y
1SCV*PNL2H1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	114	DW	Y	NA	NA	SF	19	3 A	Y
1SCV*PNL2J1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DW	Y	NA	NA	SF	19	4 A	Y
1SCV*PNL2K1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DW	Y	NA	NA	SF	19	4 A	Y
1SCV*PNL2L1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DW	Y	NA	NA	SF	19	4 A	Y
1SCV*PNL8A1	PANEL BOARDS SQUARE "D" CO.	242.421	CB	98	DW	Y	NA	NA	SF	19	7 A	Y
1SCV*PNL8B1	PANEL BOARDS SQUARE "D" CO.	242.421	CB	98	DW	Y	NA	NA	SF	19	7 A	Y
XD TRANSFORMER DISTRIBUTION												
1SCV*XD14A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	CB	98	DW	Y	NA	NA	SF	32	7 A	Y
1SCV*XD14B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	CB	98	DW	Y	NA	NA	SF	32	7 A	Y
1SCV*XD15A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	DG	98	DW	Y	NA	NA	SF	32	12 A	Y
1SCV*XD15B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	DG	98	DW	Y	NA	NA	SF	32	12 A	Y

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NSSS SUPPLIER: GENERAL ELECTRIC

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

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

XD TRANSFORMER DISTRIBUTION

1SCV*XD16A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	SW-CL	94	DW	Y	NA	NA	SF	32	31 A	Y
1SCV*XD16B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	SW-CL	94	DW	Y	NA	NA	SF	32	31 A	Y
1SCV*XD2A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	NA	NA	SF	32	4 A	Y
1SCV*XD2A2	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	NA	NA	SF	32	4 A	Y
1SCV*XD2B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	NA	NA	SF	32	4 A	Y
1SCV*XD2B2	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	NA	NA	SF	32	4 A	Y
1SCV*XD2C1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	NA	NA	SF	32	4 A	Y
1SCV*XD2D1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	NA	NA	SF	32	4 A	Y
1SCV*XD2E1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	114	DW	Y	NA	NA	SF	32	3 A	Y
1SCV*XD2F1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	114	DW	Y	NA	NA	SF	32	3 A	Y
1SCV*XD2G1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	114	DW	Y	NA	NA	SF	32	3 A	Y
1SCV*XD2H1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	114	DW	Y	NA	NA	SF	32	3 A	Y

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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	NAT FREQ	RRS REF	STATUS
			BLDG	ELEV MTG	SEIS	HYDR	ANLYS TEST	LOWEST	QUAL INST	

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

XD TRANSFORMER DISTRIBUTION

1SCV*XD2J1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	NA	NA	SF	32	4 A	Y
1SCV*XD2K1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	NA	NA	SF	32	4 A	Y
1SCV*XD2L1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	NA	NA	SF	32	4 A	Y
1SCV*XD8A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	CB	98	DW	Y	NA	NA	SF	32	7 A	Y
1SCV*XD8B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	CB	98	DW	Y	NA	NA	SF	32	7 A	Y

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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----- ---STATUS--- QUAL INST
			BLDG ELEV HTG	SEIS HYDR	ANLYS TEST	LOWEST	

SYSTEM SFC SPENT FUEL POOL COOLING AND CLEAN-UP							
BOP EQUIPMENT							
E *							
1SFC=E1A	COOLERS STRUTHERS	223.312	FB 95 CF	Y	NA S	NA 16	17 A Y
1SFC=E1B	COOLERS STRUTHERS	223.312	FB 95 CF	Y	NA S	NA 16	17 A Y
LT LEVEL TRANSHITTER							
1SFC=LT11A	PRESS TRANSHITT ROSEMOUNT	247.481	CT 188 RH	Y	Y NA	HF 49	49.50 A Y
1SFC=LT11B	PRESS TRANSHITT ROSEMOUNT	247.481	CT 189 RH	Y	Y NA	HF 49	49.50 A Y
1SFC=LT28A	PRESS TRANSHITT ROSEMOUNT	247.481	FB 113 RH	Y	NA NA	HF 49	18 A Y
1SFC=LT28B	PRESS TRANSHITT ROSEMOUNT	247.481	FB 113 RH	Y	NA NA	HF 49	18 A Y
MOV MOTOR OPERATED VALVE							
1SFC=MOV119	VALVE H.O. 12"-150 LB VELAN	228.216	FB 131 LH	Y	Y S	SF 85	NA A Y
1SFC=MOV120	VALVE H.O. 1.5"-150 LB VELAN	228.216	CT 130 LH	Y	Y S	SF 85	NA A Y
1SFC=MOV121	VALVE H.O. 8"-150 LB VELAN	228.216	FB 131 LH	Y	Y S	SF 49	NA A Y
1SFC=MOV122	VALVE H.O. 12"-150 LB VELAN	228.216	FB 131 LH	Y	Y S	SF 85	NA A Y

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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	LOHEST	---STATUS---	QUAL INST

SYSTEM SFC SPENT FUEL POOL COOLING AND CLEAN-UP											
MOV MOTOR OPERATED VALVE											
1SFC*MOV139	VALVE H.O. 8"-150 LB VELAN	228.216	CT	130	LH	Y	Y	S	MF	49	NA A Y
PH											
1SFC*PH1A	COOLING PUMP GOULDS PUMPS INC	223.311	FB	70	CF	Y	NA	S	NA	72	16 A Y
1SFC*PH1B	COOLING PUMP GOULDS PUMPS INC.	223.311	FB	70	CF	Y	NA	S	NA	72	16 A Y
P PUMP											
1SFC*P1A	COOLING PUMP GOULDS PUMPS INC	223.311	FB	70	CF	Y	NA	S	NA	72	16 A Y
1SFC*P1B	COOLING PUMP GOULDS PUMPS INC.	223.311	FB	70	CF	Y	NA	S	NA	72	16 A Y
RTD RESISTANCE TEMPERATURE RECORDER											
1SFC*RTD7A	THERMOCOUPLES RTD PYCO	247.461	FB	70	LH	Y	NA	NA	MF	50	NA A Y
1SFC*RTD7B	THERMOCOUPLES RTD PYCO	247.461	FB	70	LH	Y	NA	NA	MF	50	NA A Y

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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 SLS STANDBY LIQUID CONTROL

BOP EQUIPMENT

PNL PANEL

1SLS*PNL120	INSTRUMENT RACK ASSEMBLIES HERCURY CO./NORWOOD	247.411	AB	141	DH	Y	NA	S	NA	44	4 A	Y
1SLS*PNL121	INSTRUMENT RACK ASSEMBLIES HERCURY CO./NORWOOD	247.411	AB	141	DH	Y	NA	S	NA	44	4 A	Y

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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.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	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	HF	227	NA A	Y
1SSR*SOV131	VALVE 1/2" TARGET ROCK	247.501	AB	141	LH	Y	Y	S	HF	227	NA A	Y
1SSR*SOV133	VALVE 3/4" TARGET ROCK	247.501	AB	114	LH	Y	Y	S	HF	139	NA A	Y
1SSR*SOV134	VALVE 3/4" TARGET ROCK	247.501	AB	114	LH	Y	Y	S	HF	139	NA A	Y
1SSR*SOV139	VALVE 1" TARGET ROCK	247.501	AB	95	LH	Y	Y	S	HF	139	NA A	Y
1SSR*SOV140	VALVE 1" TARGET ROCK	247.501	AB	114	LH	Y	Y	S	HF	139	NA A	Y

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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 SVV STEAM VENTS - SAFETY VALVES													
BOP EQUIPMENT													
MOV MOTOR OPERATED VALVE													
1SVV*MOV1A	VALVE H.O. 1.5"-600 LB VELAN	220.216	AB	114	LM	Y	NA	S	SF	61		NA A	Y
1SVV*MOV1B	VALVE H.O. 1.5"-600 LB VELAN	220.216	AB	114	LM	Y	NA	S	SF	61		NA A	Y
PNL PANEL													
1SVV*PNL101	MONITORING RACK TEC	247.529	CB	136	CF	Y	N	NA	HF	NA		9 A	Y
PT PRESSURE TRANSHITTER													
1SVV*PT3A	PRESS. TRANSHITT. ROSEMOUNT(211.161)	247.481	CT	162	RH	Y	Y	NA	HF	49		49.50 A	Y
1SVV*PT3B	PRESS. TRANSHITT. ROSEMOUNT(211.161)	247.481	CT	162	RH	Y	Y	NA	HF	49		49.50 A	Y
RAK RACK													
1SVV*RAH5A	PRE-AMP HOUSING TEC	247.529	DW	151	DW	Y	Y	NA	HF	NA		61 A	Y
1SVV*RAH5B	PRE-AMP HOUSING TEC	247.529	DW	149	DW	Y	Y	NA	HF	NA		61 A	Y
1SVV*RAH5C	PRE-AMP HOUSING TEC	247.529	DW	151	DW	Y	Y	NA	HF	NA		61 A	Y
1SVV*RAH5D	PRE-AMP HOUSING TEC	247.529	DW	147	DW	Y	Y	NA	HF	NA		61 A	Y
1SVV*RAH5E	PRE-AMP HOUSING TEC	247.529	DW	151	DW	Y	Y	NA	HF	NA		61 A	Y

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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 SVV STEAM VENTS - SAFETY VALVES												
RAK RACK												
1SVV*RAK5F	PRE-AMP HOUSING TEC	247.529	DH	146	DH	Y	Y	NA	HF	NA	61 A	Y
SOV SOLENOID VALVE												
1SVV*SOV20A	VALVE - 1 1/2" TARGET ROCK	247.501	AB	141	LH	Y	Y	S	HF	139	NA A	Y
1SVV*SOV20B	VALVE - 1 1/2" TARGET ROCK	247.501	AB	141	LH	Y	Y	S	HF	139	NA A	Y
1SVV*SOV21A	VALVE - 1 1/2" TARGET ROCK	247.501	AB	141	LH	Y	Y	S	HF	139	NA A	Y
1SVV*SOV21B	VALVE - 1 1/2" TARGET ROCK	247.501	AB	141	LH	Y	Y	S	HF	139	NA A	Y
1SVV*SOV22A	VALVE - 1 1/2" TARGET ROCK	247.501	AB	141	LH	Y	Y	S	HF	139	NA A	Y
1SVV*SOV22B	VALVE - 1 1/2" TARGET ROCK	247.501	AB	141	LH	Y	Y	S	HF	139	NA A	Y
ZE PRIMARY POSITION ELEMENT												
1SVV*ZE10A	SENSOR TEC	247.529	DH	114	LH	Y	Y	NA	HF	>1000	NA A	Y
1SVV*ZE10B	SENSOR TEC	247.529	DH	114	LH	Y	Y	NA	HF	>1000	NA A	Y
1SVV*ZE10C	SENSOR TEC	247.529	DH	114	LH	Y	Y	NA	HF	>1000	NA A	Y
1SVV*ZE10D	SENSOR TEC	247.529	DH	114	LH	Y	Y	NA	HF	>1000	NA A	Y

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
N555 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												
ZE PRIMARY POSITION ELEMENT												
15VV*ZE10E	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF	>1000	NA A	Y
15VV*ZE10F	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF	>1000	NA A	Y
15VV*ZE10G	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF	>1000	NA A	Y
15VV*ZE10H	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF	>1000	NA A	Y
15VV*ZE10J	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF	>1000	NA A	Y
15VV*ZE10K	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF	>1000	NA A	Y
15VV*ZE10L	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF	>1000	NA A	Y
15VV*ZE10M	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF	>1000	NA A	Y
15VV*ZE10N	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF	>1000	NA A	Y
15VV*ZE10P	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF	>1000	NA A	Y
15VV*ZE10Q	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF	>1000	NA A	Y
15VV*ZE10R	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF	>1000	NA A	Y

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

SYSTEM SVV STEAM VENTS - SAFETY VALVES														
ZT *														
15VV*ZT10A	PRE-AMP TEC		247.529	DW	114	DW	Y	Y	NA	HF	NA	58 A	Y	
15VV*ZT10B	PRE-AMP TEC		247.529	DW	114	DW	Y	Y	NA	HF	NA	58 A	Y	
15VV*ZT10C	PRE-AMP TEC		247.529	DW	114	DW	Y	Y	NA	HF	NA	58 A	Y	
15VV*ZT10D	PRE-AMP TEC		247.529	DW	114	DW	Y	Y	NA	HF	NA	58 A	Y	
15VV*ZT10E	PRE-AMP TEC		247.529	DW	114	DW	Y	Y	NA	HF	NA	58 A	Y	
15VV*ZT10F	PRE-AMP TEC		247.529	DW	114	DW	Y	Y	NA	HF	NA	58 A	Y	
15VV*ZT10G	PRE-AMP TEC		247.529	DW	114	DW	Y	Y	NA	HF	NA	58 A	Y	
15VV*ZT10H	PRE-AMP TEC		247.529	DW	114	DW	Y	Y	NA	HF	NA	58 A	Y	
15VV*ZT10J	PRE-AMP TEC		247.529	DW	114	DW	Y	Y	NA	HF	NA	58 A	Y	
15VV*ZT10K	PRE-AMP TEC		247.529	DW	114	DW	Y	Y	NA	HF	NA	58 A	Y	
15VV*ZT10L	PRE-AMP TEC		247.529	DW	114	DW	Y	Y	NA	HF	NA	58 A	Y	
15VV*ZT10M	PRE-AMP TEC		247.529	DW	114	DW	Y	Y	NA	HF	NA	58 A	Y	

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SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
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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 HTG	SEIS HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST

SYSTEM SVV STEAM VENTS - SAFETY VALVES							
ZT							
1SVV*ZT10N	PRE-AMP TEC	247.529	DW 114 DW	Y Y	NA MF	NA	58 A Y
1SVV*ZT10P	PRE-AMP TEC	247.529	DW 114 DW	Y Y	NA MF	NA	58 A Y
1SVV*ZT10Q	PRE-AMP TEC	247.529	DW 114 DW	Y Y	NA MF	NA	58 A Y
1SVV*ZT10R	PRE-AMP TEC	247.529	DW 114 DW	Y Y	NA MF	NA	58 A Y

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ENGINEER: STONE & WEBSTER
N555 SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS	INST
-----------	-----------------------------	----------	------	------	-----	------	------	-------	------	--------	---------	--------	------

SYSTEM SHP SERVICE WATER

BOP EQUIPMENT

AOV AIR OPERATED VALVE

1SHP#AOV51A	2"-150# GLOBE FISHER CONTROLS	247.491	AB	141	LH	Y	NA	S	SF	>33	NA A	Y
1SHP#AOV51B	2"-150# GLOBE FISHER CONTROLS	247.491	AB	141	LH	Y	NA	S	SF	>33	NA A	Y

FN FAN

1SHP#FN1A	AXIVANE FAN JOY MFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 A	Y
1SHP#FN1B	AXIVANE FAN JOY MFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 A	Y
1SHP#FN1C	AXIVANE FAN JOY MFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 A	Y
1SHP#FN1D	AXIVANE FAN JOY MFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 A	Y
1SHP#FN1E	AXIVANE FAN JOY MFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 A	Y
1SHP#FN1F	AXIVANE FAN JOY MFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 A	Y
1SHP#FN1G	AXIVANE FAN JOY MFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 A	Y
1SHP#FN1H	AXIVANE FAN JOY MFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 A	Y
1SHP#FN1J	AXIVANE FAN JOY MFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 A	Y

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NSSS SUPPLIER: GENERAL ELECTRIC

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EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS
											QUAL	INST

SYSTEM SHP SERVICE WATER												
FN FAN												
1SHP*FN1K	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 A	Y
1SHP*FN1L	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 A	Y
1SHP*FN1H	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 A	Y
1SHP*FN1N	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 A	Y
1SHP*FN1P	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 A	Y
1SHP*FN1Q	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 A	Y
1SHP*FN1R	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 A	Y
1SHP*FN1S	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 A	Y
1SHP*FN1T	AXIVANE FAN JOY HFG	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 A	Y
1SHP*FN1U	AXIVANE FAN JOY HFG	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 A	Y
1SHP*FN1V	AXIVANE FAN JOY HFG	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 A	Y

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM SHP SERVICE WATER												
FT FLOW TRANSHITTER												
1SHP#FT117	PRESS. TRANSHITT. ROSEMOUNT(211.161)	247.481	YD	88	RH	Y	NA	NA	MF	48	29 A	Y
1SHP#FT59A	PRESS TRANSHITT ROSEMOUNT	247.481	FB	95	RH	Y	NA	NA	MF	48	17 A	Y
1SHP#FT59B	PRESS TRANSHITT ROSEMOUNT	247.481	FB	95	RH	Y	NA	NA	MF	48	17 A	Y
1SHP#FT60A	PRESS TRANSHITT ROSEMOUNT	247.481	FB	95	RH	Y	NA	NA	MF	48	17 A	Y
1SHP#FT60B	PRESS TRANSHITT ROSEMOUNT	247.481	FB	95	RH	Y	NA	NA	MF	48	17 A	Y
1SHP#FT64A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	95	RH	Y	NA	NA	MF	48	7 A	Y
1SHP#FT64B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	95	RH	Y	NA	NA	MF	48	7 A	Y
1SHP#FT69A	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	NA	NA	MF	48	7 A	Y
1SHP#FT69B	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	NA	NA	MF	48	7 A	Y
1SHP#FT69C	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	NA	NA	MF	48	7 A	Y
1SHP#FT69D	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	NA	NA	MF	48	7 A	Y

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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. 50-450

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

SYSTEM SWP SERVICE WATER											
LT LEVEL TRANSMITTER											
15HP*LT164	PRESS TRANSHITT ROSEMOUNT(211.161)	247.401	SH-CL	69	RH	Y	NA	NA	HF	49	30 A Y
15HP*LT167	PRESS TRANSHITT ROSEMOUNT(211.161)	247.401	SH-CL	69	RH	Y	NA	NA	HF	49	30 A Y
MOV MOTOR OPERATED VALVE											
15HP*MOV171	8"-170# BUTTERFLY JAMESBURY	220.243	PT	70	LH	Y	NA	D	SF	50	NA A Y
15HP*MOV172	8"-170# BUTTERFLY JAMESBURY	220.243	PT	70	LH	Y	NA	D	SF	50	NA A Y
15HP*MOV173	8"-170# BUTTERFLY JAMESBURY	220.243	PT	70	LH	Y	NA	D	SF	50	NA A Y
15HP*MOV174	8"-170# BUTTERFLY JAMESBURY	220.243	PT	70	LH	Y	NA	D	SF	50	NA A Y
15HP*MOV190	VALVE H.O. 1"-1500 LB VELAN	220.214	AB	70	LH	Y	NA	S	SF	04	NA A Y
15HP*MOV27A	6"-150# BUTTERFLY JAMESBURY	220.243	CB	90	LH	Y	NA	D	SF	50	NA A Y
15HP*MOV27B	6"-150# BUTTERFLY JAMESBURY	220.243	CB	90	LH	Y	NA	D	SF	50	NA A Y
15HP*MOV27C	6"-150# BUTTERFLY JAMESBURY	220.243	CB	90	LH	Y	NA	D	SF	50	NA A Y
15HP*MOV27D	6"-150# BUTTERFLY JAMESBURY	220.243	CB	90	LH	Y	NA	D	SF	50	NA A Y
15HP*MOV4A	VALVE H.O. 10"-600 LB VELAN	220.212	CT	141	LH	Y	Y	S	SF	50	NA A Y

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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---				
			BLDG	ELEV	HTG	SEIS	HYDR		TEST	LOWEST	---STATUS---			

SYSTEM SHP SERVICE WATER														
MOV MOTOR OPERATED VALVE														
15HP#MOV4B	VALVE H.O. 10"-600 LB VELAN	228.212	CT	141	LH	Y	Y	S	SF	58	NA A Y			
15HP#MOV40A	18"-155# BUTTERFLY JAMESBURY	228.243	SH-CL	118	LH	Y	NA	D	SF	52	NA A Y			
15HP#MOV40B	18"-155# BUTTERFLY JAMESBURY	228.243	SH-CL	118	LH	Y	NA	D	SF	52	NA A Y			
15HP#MOV40C	18"-155# BUTTERFLY JAMESBURY	228.243	SH-CL	118	LH	Y	NA	D	SF	52	NA A Y			
15HP#MOV40D	18"-155# BUTTERFLY JAMESBURY	228.243	SH-CL	118	LH	Y	NA	D	SF	52	NA A Y			
15HP#MOV5A	VALVE H.O. 10"-600 LB. VELAN	228.212	CT	141	LH	Y	Y	S	SF	58	NA A Y			
15HP#MOV5B	VALVE H.O. 10"-600 LB VELAN	228.212	CT	162	LH	Y	Y	S	SF	58	NA A Y			
15HP#MOV501A	18"-155# BUTTERFLY JAMESBURY	228.243	PT	70	LH	Y	NA	D	SF	52	NA A Y			
15HP#MOV501B	18"-155# BUTTERFLY JAMESBURY	228.243	PT	70	LH	Y	NA	D	SF	52	NA A Y			
15HP#MOV502A	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162	LH	Y	Y	S	SF	54	NA A Y			
15HP#MOV502B	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162	LH	Y	Y	S	SF	54	NA A Y			
15HP#MOV503A	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162	LH	Y	Y	S	SF	54	NA A Y			

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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 SHP SERVICE WATER											
HOV MOTOR OPERATED VALVE											
1SHP#HOV503B	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162 LH	Y	Y	S	SF	54	NA A	Y
1SHP#HOV504A	VALVE H.O. 12"-300 LB VELAN	228.212	AB	070 LH	Y	Y	S	SF	79	NA A	Y
1SHP#HOV504B	VALVE H.O. 12"-300 LB VELAN	228.212	AB	070 LH	Y	NA	S	SF	82	NA A	Y
1SHP#HOV505A	30"-135# BUTTERFLY JAMESBURY	228.243	SH-CL	66 LH	Y	NA	D	SF	>33	NA A	Y
1SHP#HOV505B	30"-135# BUTTERFLY JAMESBURY	228.243	SH-CL	66 LH	Y	NA	D	SF	>33	NA A	Y
1SHP#HOV506A	8"-170# BUTTERFLY JAMESBURY	228.243	PT	67 LH	Y	NA	D	SF	58	NA A	Y
1SHP#HOV506B	8"-155# BUTTERFLY JAMESBURY	228.243	PT	67 LH	Y	NA	D	SF	58	NA A	Y
1SHP#HOV507A	VALVE H.O. 12"-500 LB VELAN	228.212	AB	114 LH	Y	Y	S	SF	79	NA A	Y
1SHP#HOV507B	VALVE H.O. 12"-300 LB VELAN	228.212	AB	141 LH	Y	Y	S	SF	79	NA A	Y
1SHP#HOV510A	VALVE H.O. 12"-300 LB VELAN	228.212	AB	070 LH	Y	NA	S	SF	79	NA A	Y
1SHP#HOV510B	VALVE H.O. 12"-300 LB VELAN	228.212	AB	070 LH	Y	NA	S	SF	79	NA A	Y
1SHP#HOV511A	18"-155# BUTTERFLY JAMESBURY	228.243	PT	70 LH	Y	NA	D	SF	52	NA A	Y

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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 SHP SERVICE WATER													
MOV MOTOR OPERATED VALVE													
1SHP#MOV511B	18"-155# BUTTERFLY JAMESBURY	220.243	PT	70	LH	Y	NA	D	SF	52		NA A	Y
1SHP#MOV55A	30"-135# BUTTERFLY JAMESBURY	220.243	PT	66	LH	Y	NA	D	SF	>33		NA A	Y
1SHP#MOV55B	30"-135" BUTTERFLY JAMESBURY	220.243	PT	66	LH	Y	NA	D	SF	>33		NA A	Y
1SHP#MOV57A	30"-155# BUTTERFLY JAMESBURY	220.243	PT	70	LH	Y	NA	D	SF	>33		NA A	Y
1SHP#MOV57B	30"-155# BUTTERFLY JAMESBURY	220.243	PT	70	LH	Y	NA	D	SF	>33		NA A	Y
1SHP#MOV61A	30"-135# BUTTERFLY JAMESBURY	220.243	PT	66	LH	Y	NA	D	SF	>33		NA A	Y
1SHP#MOV61B	30"-135# BUTTERFLY JAMESBURY	220.243	PT	66	LH	Y	NA	D	SF	>33		NA A	Y
1SHP#MOV73A	VALVE H.O. 4"-150 LB VELAN	220.212	AB	114	LH	Y	NA	S	SF	52		NA A	Y
1SHP#MOV73B	VALVE H.O. 4"-150 LB VELAN	220.212	AB	114	LH	Y	NA	S	SF	52		NA A	Y
1SHP#MOV74A	VALVE H.O. 4"-150 LB VELAN	220.212	AB	114	LH	Y	NA	S	SF	52		NA A	Y
1SHP#MOV74B	VALVE H.O. 4"-150 LB VELAN	220.212	AB	114	LH	Y	NA	S	SF	52		NA A	Y
1SHP#MOV77A	8"-155# BUTTERFLY JAMESBURY	220.243	PT	67	LH	Y	NA	D	SF	50		NA A	Y

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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	-----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 SHP SERVICE WATER											
MOV MOTOR OPERATED VALVE											
1SHP#MOV77B	8"-155# BUTTERFLY JAMESBURY	228.243	PT	67	LH	Y	NA	D	SF	58	NA A Y
1SHP#MOV81A	VALVE H.O. 12"-300 LB VELAN	228.212	AB	114	LH	Y	Y	S	SF	79	NA A Y
1SHP#MOV81B	VALVE H.O. 12"-300 LB VELAN	228.212	AB	141	LH	Y	Y	S	SF	79	NA A Y
1SHP#MOV96A	8"-155# BUTTERFLY JAMESBURY	228.243	PT	70	LH	Y	NA	D	SF	58	NA A Y
1SHP#MOV96B	8"-155# BUTTERFLY JAMESBURY	228.243	PT	70	LH	Y	NA	D	SF	58	NA A Y
PT PRESSURE TRANSMITTER											
1SHP#PT21A	PRESS TRANSHITT ROSEHOUNT	247.481	AB	96	RH	Y	NA	NA	HF	48	2 A Y
1SHP#PT21B	PRESS TRANSHITT ROSEHOUNT	247.481	AB	96	RH	Y	NA	NA	HF	48	2 A Y
1SHP#PT21C	PRESS TRANSHITT ROSEHOUNT	247.481	AB	96	RH	Y	NA	NA	HF	48	2 A Y
1SHP#PT21D	PRESS TRANSHITT ROSEHOUNT	247.481	AB	96	RH	Y	NA	NA	HF	48	2 A Y
1SHP#PT21E	PRESS TRANSHITT ROSEHOUNT	247.481	AB	96	RH	Y	NA	NA	HF	48	2 A Y
1SHP#PT21F	PRESS TRANSHITT ROSEHOUNT	247.481	AB	96	RH	Y	NA	NA	HF	48	2 A Y
1SHP#PT21G	PRESS TRANSHITT ROSEHOUNT	247.481	AB	96	RH	Y	NA	NA	HF	48	2 A Y

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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.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS

SYSTEM SWP SERVICE WATER												
PT PRESSURE TRANSMITTER												
15HP#PT21H	PRESS TRANSHITT ROSEHOUNT	247.481	AB	96	RH	Y	NA	NA	MF	48	2 A	Y
15HP#PT21J	PRESS. TRANSHITT. ROSEHOUNT(211.161)	247.481	AB	74	RH	Y	NA	NA	MF	48	2 A	FL
15HP#PT21K	PRESS TRANSHITT ROSEHOUNT(211.161)	247.481	AB	74	RH	Y	NA	NA	MF	48	2 A	FL
15HP#PT21L	PRESS TRANSHITT ROSEHOUNT(211.161)	247.481	AB	74	RH	Y	NA	NA	MF	48	2 A	FL
15HP#PT21H	PRESS TRANSHITT ROSEHOUNT(211.161)	247.481	AB	74	RH	Y	NA	NA	MF	48	2 A	FL
15HP#PT32A	PRESS TRANSHITT ROSEHOUNT	247.481	CB	98	RH	Y	NA	NA	MF	48	7 A	Y
15HP#PT32B	PRESS TRANSHITT ROSEHOUNT	247.481	CB	98	RH	Y	NA	NA	MF	48	7 A	Y
15HP#PT32C	PRESS TRANSHITT ROSEHOUNT	247.481	CB	98	RH	Y	NA	NA	MF	48	7 A	Y
15HP#PT32D	PRESS TRANSHITT ROSEHOUNT	247.481	CB	98	RH	Y	NA	NA	MF	48	7 A	Y
15HP#PT50A	PRESS TRANSHITT ROSEHOUNT	247.481	SH-CL	118	RH	Y	NA	NA	MF	48	31 A	Y
15HP#PT50B	PRESS TRANSHITT ROSEHOUNT	247.481	SH-CL	118	RH	Y	NA	NA	MF	48	31 A	Y
15HP#PT521A	PRESS TRANSHITT ROSEHOUNT(211.161)	247.481	CT	116	RH	Y	Y	NA	MF	48	47 A	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.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS

SYSTEM SHP SERVICE WATER												
PT PRESSURE TRANSHITTER												
1SHP#PT521B	PRESS TRANSHITT ROSEHOUNT(211.161)	247.481	CT	162	RH	Y	Y	NA	HF	48	48 A	Y
1SHP#PT551A	PRESS TRANSHITT ROSEHOUNT(211.161)	247.481	CT	116	RH	Y	Y	NA	HF	48	47 A	Y
1SHP#PT551B	PRESS TRANSHITT ROSEHOUNT(211.161)	247.481	CT	162	RH	Y	Y	NA	HF	48	48 A	Y
PVX												
1SHP#PVX32A	3"-150# GLOBE COPES VULCAN	247.497	CB	98	LH	Y	NA	S	HF	81	NA B	Y
1SHP#PVX32B	3"-150# GLOBE COPES VULCAN	247.497	CB	98	LH	Y	NA	S	HF	81	NA B	Y
1SHP#PVX32C	3"-150# GLOBE COPES VULCAN	247.497	CB	98	LH	Y	NA	S	HF	81	NA B	Y
1SHP#PVX32D	3"-150# GLOBE COPES VULCAN	247.497	CB	98	LH	Y	NA	S	HF	81	NA B	Y
PVY												
1SHP#PVY32A	3"-150# GLOBE COPES VULCAN	247.497	CB	98	LH	Y	NA	S	HF	86	NA B	Y
1SHP#PVY32B	3"-150# GLOBE COPES VULCAN	247.497	CB	98	LH	Y	NA	S	HF	86	NA B	Y
1SHP#PVY32C	3"-150# GLOBE COPES VULCAN	247.497	CB	98	LH	Y	NA	S	HF	86	NA B	Y
1SHP#PVY32D	3"-150# GLOBE COPES VULCAN	247.497	CB	98	LH	Y	NA	S	HF	86	NA B	Y

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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	-----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 SHP SERVICE WATER												
P PUMP												
1SHP#P2A	WATER PUMP HAYWARD TYLER CO	232.920	SH-CL	118	CF	Y	NA	S	NA	26	31 A	Y
1SHP#P2B	WATER PUMP HAYWARD TYLER CO	232.920	SH-CL	118	CF	Y	NA	S	NA	26	31 A	Y
1SHP#P2C	WATER PUMP HAYWARD TYLER CO	232.920	SH-CL	118	CF	Y	NA	S	NA	26	31 A	Y
1SHP#P2D	WATER PUMP HAYWARD TYLER CO	232.920	SH-CL	118	CF	Y	NA	S	NA	26	31 A	Y
1SHP#P3A	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	NA	S	NA	33	7 A	Y
1SHP#P3B	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	NA	S	NA	33	7 A	Y
1SHP#P3C	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	NA	S	NA	33	7 A	Y
1SHP#P3D	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	NA	S	NA	33	7 A	Y
RTD RESISTANCE TEMPERATURE RECORDER												
1SHP#RTD31A	THERMOCOUPLES RTD PYCO	247.461	SH-CL	118	LH	Y	NA	NA	MF	50	NA A	Y
1SHP#RTD31B	THERMOCOUPLES RTD PYCO	247.461	SH-CL	118	LH	Y	NA	NA	MF	50	NA A	Y

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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.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	NAT FREQ- LOHEST	RRS REF- STATUS- QUAL INST

SYSTEM SHP SERVICE WATER											
RV *											
1SHP*RV119	RELIEF VALVES CROSBY	247.521	AB	142	LH	Y	NA	S	S0	157	NA A Y
1SHP*RV133	RELIEF VALVES CROSBY	247.521	DG	98	LH	Y	NA	S	S0	157	NA A Y
1SHP*RV140	RELIEF VALVES CROSBY	247.521	RB	151	LH	Y	Y	S	S0	157	NA A Y
1SHP*RV49A	RELIEF VALVES CROSBY	247.521	AB	141	LH	Y	NA	S	S0	157	NA A Y
1SHP*RV49B	RELIEF VALVES CROSBY	247.521	AB	141	LH	Y	NA	S	S0	157	NA A Y
1SHP*RV79A	RELIEF VALVES CROSBY	247.521	DG	98	LH	Y	NA	S	S0	157	NA A Y
1SHP*RV79B	RELIEF VALVES CROSBY	247.521	DG	98	LH	Y	NA	S	S0	157	NA A Y
1SHP*RV91A	RELIEF VALVES CROSBY	247.521	CB	98	LH	Y	NA	S	S0	157	NA A Y
1SHP*RV91B	RELIEF VALVES CROSBY	247.521	CB	98	LH	Y	NA	S	S0	157	NA A Y
1SHP*RV91C	RELIEF VALVES CROSBY	247.521	CB	98	LH	Y	NA	S	S0	157	NA A Y
1SHP*RV91D	RELIEF VALVES CROSBY	247.521	CB	98	LH	Y	NA	S	S0	157	NA A Y

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-450

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

SYSTEM SHP SERVICE WATER												
SOV SOLENOID VALVE												
1SHP#SOV522A	3/4"-150# GLOBE VALVE TARGET ROCK	247.501	RB	167	LH	Y	Y	S	HF	139	NA A	Y
1SHP#SOV522B	3/4"-150# GLOBE VALVE TARGET ROCK	247.501	RB	167	LH	Y	Y	S	HF	139	NA A	FL
1SHP#SOV522C	1"-150# GLOBE VALVE TARGET	247.501	RB	167	LH	Y	Y	S	HF	139	NA A	FL
1SHP#SOV522D	1"-150# GLOBE VALVE TARGET ROCK	247.501	RB	167	LH	Y	Y	S	HF	139	NA A	FL
1SHP#SOV523A	3/4"-150# VALVE TARGET ROCK	247.501	AB	141	LH	Y	NA	S	HF	139	NA A	FL
1SHP#SOV523B	3/4"-150# VALVE TARGET ROCK	247.501	AB	141	LH	Y	NA	S	HF	139	NA A	FL
1SHP#SOV523C	3/4"-150# VALVE TARGET ROCK	247.501	AB	141	LH	Y	NA	S	HF	139	NA A	FL
1SHP#SOV523D	3/4"-150# VALVE TARGET ROCK	247.501	AB	141	LH	Y	NA	S	HF	139	NA A	FL
1SHP#SOV552A	3/4"-150# GLOBE VALVE TARGET ROCK	247.501	RB	167	LH	Y	Y	S	HF	139	NA A	FL
1SHP#SOV552B	3/4"-150# GLOBE VALVE TARGET ROCK	247.501	RB	167	LH	Y	Y	S	HF	139	NA A	FL
TH *												
1SHP#TH107	THERMOCOUPLES RTD PYCO	247.461	DW	140	LH	Y	Y	S	NA	50	NA A	Y

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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----
			BLOG ELEV MTG	SEIS HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST

SYSTEM SHP SERVICE WATER

V

1SWP#V353	30" - BUTTERFLY JAHESBURY	228.243	SH-CL 66	LH Y	NA D	SF 13	NA A Y
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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

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	NA	NA	SF	18	9 A	Y
1VBS*PNL01B	PANEL BOARDS SQUARE "D" CO.	242.421	CB	136	DW	Y	NA	NA	SF	18	9 A	Y
TRS *												
1VBS*TRS01A	SWITCH ELGAR CORP.	244.512	CB	116	CF	Y	NA	NA	MF		8,9 A	Y
1VBS*TRS01B	SWITCH ELGAR CORP.	244.512	CB	116	CF	Y	NA	NA	MF		8,9 A	Y
XRC *												
1VBS*XRC14A1	TRANSFORMER ELGAR CORP.	244.512	CB	116	CF	Y	NA	NA	MF		8,9 A	Y
1VBS*XRC14B1	TRANSFORMER ELGAR CORP.	244.512	CB	116	CF	Y	NA	NA	MF		8,9 A	Y

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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 MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM WCS REACTOR WATER CLEAN-UP											
BOP EQUIPMENT											
HOSE											
1WCS#HOSE220	FLEX METAL HOSE MTL BELLOWS	247.011	DW	102 LH	Y	Y	S	MF	10	36-68 A	Y
1WCS#HOSE222	FLEX METAL HOSE MTL BELLOWS	247.011	DW	102 LH	Y	Y	S	MF	10	36-68 A	Y
MOV MOTOR OPERATED VALVE											
1WCS#MOV111	VALVE H.O. 4"-600 LB VELAN	228.212	AB	114 LH	Y	Y	S	SF	52	NA A	Y
1WCS#MOV172	VALVE H.O. 2.5"-150 LB VELAN	228.212	AB	114 LH	Y	Y	S	SF		NA A	Y
1WCS#MOV173	VALVE H.O. 2.5"-150 LB VELAN	228.212	AB	114 LH	Y	Y	S	SF		NA A	Y
1WCS#MOV178	VALVE H.O. 2.5"-150 LB VELAN	228.212	CT	141 LH	Y	Y	S	SF		NA A	Y
RV											
1WCS#RV144	RELIEF VALVES CROSBY	247.521	RB	141 LH	Y	Y	S	SO	333	NA A	Y
1WCS#RV154	RELIEF VALVES CROSBY	247.521	RB	147 LH	Y	Y	S	SO	157	NA A	Y

06 TYPE 1 205 FIELDS WERE PRINTED AS INVALID, MISSING OVERFLOW.
TT03 TYPE 0 END OF REPORT.

002 TYPE 0 REQUEST-EQSDQ52 REPORT-1 REQUESTOR ID- H. N X4534

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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	LOHEST	---STATUS---	QUAL INST

SYSTEM B21 NUCLEAR BOILER SYSTEM												
NSSS EQUIPMENT												
B21-D002	CONDENSING CHAMBER GE	204B7269	DW	173	LH	Y	Y	S	N/A		N/A A	Y
B21-D004A	CONDENSING CHAMBER GE	204B7269	DW	151	LH	Y	Y	S	N/A		N/A A	Y
B21-D004B	CONDENSING CHAMBER GE	204B7269	DW	151	LH	Y	Y	S	N/A		N/A A	Y
B21-D004C	CONDENSING CHAMBER GE	204B7269	DW	151	LH	Y	Y	S	N/A		N/A A	Y
B21-D004D	CONDENSING CHAMBER GE	204B7269	DW	151	LH	Y	Y	S	N/A		N/A A	Y
B21-D006A	CONDENSING CHAMBER GE	204B7269	DW	132	LH	Y	Y	S	N/A		N/A A	Y
B21-D006B	CONDENSING CHAMBER GE	204B7269	DW	139	LH	Y	Y	S	N/A		N/A A	Y
B21-D006C	CONDENSING CHAMBER GE	204B7269	DW	131	LH	Y	Y	S	N/A		N/A A	Y
B21-D006D	CONDENSING CHAMBER GE	204B7269	DW	137	LH	Y	Y	S	N/A		N/A A	Y
B21-D007A	CONDENSING CHAMBER GE	204B7269	DW	132	LH	Y	Y	S	N/A		N/A A	Y
B21-D007B	CONDENSING CHAMBER GE	204B7269	DW	139	LH	Y	Y	S	N/A		N/A A	Y
B21-D007C	CONDENSING CHAMBER GE	204B7269	DW	131	LH	Y	Y	S	N/A		N/A A	Y

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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 B21 NUCLEAR BOILER SYSTEM												
NSSS EQUIPMENT												
B21-D007D	CONDENSING CHAMBER GE	204B7269	DW	136	LH	Y	Y	S	N/A		N/A A	Y
B21-D008A	CONDENSING CHAMBER GE	204B7269	DW	140	LH	Y	Y	S	N/A		N/A A	Y
B21-D008B	CONDENSING CHAMBER GE	204B7269	DW	132	LH	Y	Y	S	N/A		N/A A	Y
B21-D008C	CONDENSING CHAMBER GE	204B7269	DW	131	LH	Y	Y	S	N/A		N/A A	Y
B21-D008D	CONDENSING CHAMBER GE	204B7269	DW	131	LH	Y	Y	S	N/A		N/A A	Y
B21-D009A	CONDENSING CHAMBER GE	204B7269	DW	146	LH	Y	Y	S	N/A		N/A A	Y
B21-D009B	CONDENSING CHAMBER GE	204B7269	DW	132	LH	Y	Y	S	N/A		N/A A	Y
B21-D009C	CONDENSING CHAMBER GE	204B7269	DW	131	LH	Y	Y	S	N/A		N/A A	Y
B21-D009D	CONDENSING CHAMBER GE	204B7269	DW	131	LH	Y	Y	S	N/A		N/A A	Y
B21-D020A	CONDENSING CHAMBER GE	204B7269	DW	139	LH	Y	Y	S	N/A		N/A A	Y
B21-D020B	CONDENSING CHAMBER GE	204B7269	DW	134	LH	Y	Y	S	N/A		N/A A	Y
B21-D020C	CONDENSING CHAMBER GE	204B7269	DW	134	LH	Y	Y	S	N/A		N/A A	Y

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

DOCKET NO. 50-450

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

SYSTEM B21 NUCLEAR BOILER SYSTEM											
NSSS EQUIPMENT											
B21-D020D	CONDENSING CHAMBER GE	204B7269	DW	139	LH	Y	Y	S	N/A		N/A A Y
B21-F022A	HSIV-ISOLATION VALVE ATHOOD & MORRILL		DW	129	LH	Y	Y	N/A	MF	19	A Y
B21-F022B	HSIV-ISOLATION VALVE ATHOOD & MORRILL		DW	129	LH	Y	Y	N/A	MF	19	A Y
B21-F022C	HSIV-ISOLATION VALVE ATHOOD & MORRILL		DW	129	LH	Y	Y	N/A	MF	19	A Y
B21-F022D	HSIV-ISOLATION VALVE ATHOOD & MORRILL		DW	129	LH	Y	Y	N/A	MF	19	A Y
B21-F026A	HSIV-ISOLATION VALVE ATHOOD & MORRILL		AB	129	LH	Y	Y	N/A	MF	19	A Y
B21-F026B	HSIV-ISOLATION VALVE ATHOOD & MORRILL		AB	129	LH	Y	Y	N/A	MF	19	A Y
B21-F026C	HSIV-ISOLATION VALVE ATHOOD & MORRILL		AB	129	LH	Y	Y	N/A	MF	19	A Y
B21-F026D	HSIV-ISOLATION VALVE ATHOOD & MORRILL		AB	129	LH	Y	Y	N/A	MF	19	A Y
B21-F041A	SRV CROSBY		DW	132	LH	Y	Y	N/A	MF		B Y
B21-F041B	SRV CROSBY		DW	132	LH	Y	Y	N/A	MF		B Y
B21-F041C	SRV CROSBY		DW	132	LH	Y	Y	N/A	MF		B Y

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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	LOREST	RRS REF	STATUS	QUAL INST

SYSTEM B21 NUCLEAR BOILER SYSTEM													
NSSS EQUIPMENT													
B21-F041D	SRV CROSBY		DW	132	LH	Y	Y	N/A	MF		B	Y	
B21-F041F	SRV CROSBY		DW	132	LH	Y	Y	N/A	MF		B	Y	
B21-F041G	SRV CROSBY		DW	132	LH	Y	Y	N/A	MF		B	Y	
B21-F041L	SRV CROSBY		DW	132	LH	Y	Y	N/A	MF		B	Y	
B21-F047A	SRV CROSBY		DW	132	LH	Y	Y	N/A	MF		B	Y	
B21-F047B	SRV CROSBY		DW	132	LH	Y	Y	N/A	MF		B	Y	
B21-F047C	SRV CROSBY		DW	132	LH	Y	Y	N/A	MF		B	Y	
B21-F047D	SRV CROSBY		DW	132	LH	Y	Y	N/A	MF		B	Y	
B21-F047F	SRV CROSBY		DW	132	LH	Y	Y	N/A	MF		B	Y	
B21-F051B	SRV CROSBY		DW	132	LH	Y	Y	N/A	MF		B	Y	
B21-F051C	SRV CROSBY		DW	132	LH	Y	Y	N/A	MF		B	Y	
B21-F051D	SRV CROSBY		DW	132	LH	Y	Y	N/A	MF		B	Y	

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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 B21 NUCLEAR BOILER SYSTEM											
NSSS EQUIPMENT											
B21-F051G	SRV CROSBY		DW	132	LH	Y	Y	N/A	MF		B Y
B21-N005	FLOW ELEM COMP (QTY 4) GE	283X555	DW	129	LH	Y	Y	S/D	N/A		N/A A Y
B21-N040	TEMPERATURE ELEMENT ROSEMOUNT	159C4520	AB	95	LH	Y	Y	S	N/A	>100	N/A A Y
B21-N059	TEMPERATURE ELEMENT CALOY/PYCO	159C4313	AB	111	LH	Y	Y	S	N/A	>100	N/A A Y
B21-N061	TEMPERATURE ELEMENT CALOY/PYCO	159C4313	RB		LH	Y	Y	S	N/A	>100	N/A A Y
B21-N075A	TRANSMITTER, ABS PRESSURE ROSEMOUNT	169C8969	TB	95	DW	Y		N/A	N/A	MF	22 A Y
B21-N075B	TRANSMITTER, ABS PRESSURE ROSEMOUNT	169C8969	TB	95	DW	Y		N/A	N/A	MF	22 A Y
B21-N075C	TRANSMITTER, ABS PRESSURE ROSEMOUNT	169C8969	TB	95	DW	Y		N/A	N/A	MF	22 A Y
B21-N075D	TRANSMITTER, ABS PRESSURE ROSEMOUNT	169C8969	TB	95	DW	Y		N/A	N/A	MF	22 A Y
B21-N076A	TRANSMITTER, GAGE PRESS ROSEMOUNT	169C8969	TB	95	DW	Y		N/A	N/A	MF	22 A Y
B21-N076B	TRANSMITTER, GAGE PRESS ROSEMOUNT	169C8969	TB	95	DW	Y		N/A	N/A	MF	22 A Y
B21-N076C	TRANSMITTER, GAGE PRESS ROSEMOUNT	169C8969	TB	95	DW	Y		N/A	N/A	MF	22 A Y

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-450

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOHEST	STATUS	INST
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SYSTEM B21 NUCLEAR BOILER SYSTEM

NSSS EQUIPMENT

B21-N076D	TRANSHITTER, GAGE PRESS ROSEHOUNT	169C0969	TB	95	DH	Y	N/A	N/A	HF	22	A	Y
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SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
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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	LOHEST	---STATUS---	QUAL

SYSTEM B33 REACTOR RECIRC VALVE FLOW CONTROL												
NSSS EQUIPMENT												
B33-C001A	PUMP & MOTOR BINGHAM	762E637	DW	86	CF	Y	Y	S/D	N/A		57 A	Y
B33-C001B	PUMP & MOTOR BINGHAM	762E637	DW	86	CF	Y	Y	S/D	N/A		57 A	Y
B33-D014	SAMPLE PROBE PULLMAN	1667284	DW	102	LH	Y	Y	S	N/A		N/A A	Y
B33-F023A	GATE VALVE-MOTOR OPERATED ANCHOR DARLING	922D142	DW	86	LH	Y	Y	S/D	N/A	34	N/A A	Y
B33-F023B	GATE VALVE-MOTOR OPERATED ANCHOR DARLING	922D142	DW	86	LH	Y	Y	S/D	N/A	34	N/A A	Y
B33-F060A	FLOW CONTROL VALVE HAMMEL DAHL	768E574	DW	86	LH	Y	Y	S/D	N/A		N/A A	Y
B33-F060B	FLOW CONTROL VALVE HAMMEL DAHL	768E574	DW	86	LH	Y	Y	S/D	N/A		N/A A	Y
B33-F067	GATE VALVE-MOTOR OPERATED ANCHOR DARLING	922D192	DW	86	LH	Y	Y	S/D	N/A	15	N/A A	Y
B33-N021	TEMPERATURE ELEMENT CALOY/PYCO	159C4313	DW	87	LH	Y	Y	S	N/A	>100	N/A A	Y
B33-N022	TEMPERATURE ELEMENT CALOY/PYCO	159C4313	RB		LH	Y	Y	S	N/A		N/A A	Y
B33-N023A	TEMPERATURE ELEMENT ROSEMOUNT	159C4520	DW		LH	Y	Y	S	N/A		N/A A	Y
B33-N023B	TEMPERATURE ELEMENT ROSEMOUNT	159C4520	DW		LH	Y	Y	S	N/A		N/A A	Y

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

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

SYSTEM B33 REACTOR RECIRC VALVE FLOW CONTROL

NSSS EQUIPMENT

B33-N028A	TEMPERATURE ELEMENT ROSEMOUNT	159C4520	DW	LH	Y	Y	S	N/A	N/A A	Y
B33-N028B	TEMPERATURE ELEMENT ROSEMOUNT	159C4520	DW	LH	Y	Y	S	N/A	N/A A	Y

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NSSS SUPPLIER: GENERAL ELECTRIC

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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 C11 CONTROL ROD DRIVE HYDRAULIC CONTROL SYSTEM											
NSSS EQUIPMENT											
C11-D001	HYD CONT UNIT (QTY. 145) GE	767E800	CT	114 CF	Y	Y	D	N/A		A	Y
C11-F009	SOL VALVE FOR INSTR AIR VALCOR		CT	118 RH	Y	Y	N/A	HF	>100	SEE 301 A	Y
C11-F010	VALVE, GLOBE, AIR OPERATED FISHER		CT	141 LH	Y	Y	N/A	HF	10.6	68A A	Y
C11-F011	VALVE, GLOBE, AIR OPERATED FISHER		CT	114 LH	Y	Y	N/A	HF	18.5	68A A	Y
C11-F180	VALVE, GLOBE, AIR OPERATED HAMMEL DAHL		CT	141 LH	Y	Y	N/A	HF	20	68A A	Y
C11-F181	VALVE, GLOBE, AIR OPERATED HAMMEL DAHL		CT	114 LH	Y	Y	N/A	HF	32	68A A	Y
C11-F182	SOL VALVE FOR INSTR AIR VALCOR		CT	118 LH	Y	Y	N/A	HF	>100	N/A A	Y
C11-N012A	TRANSMITTER GOULD	184C4775	CT	122 RH	Y	Y	N/A	HF	44	SEE 301 A	Y
C11-N012B	TRANSMITTER GOULD	184C4775	CT	122 RH	Y	Y	N/A	HF	44	SEE 301 A	Y
C11-N012C	TRANSMITTER GOULD	184C4775	CT	114 RH	Y	Y	N/A	HF	44	46,113,146 A	Y
C11-N012D	TRANSMITTER GOULD	184C4775	CT	114 RH	Y	Y	N/A	HF	44	46,113,146 A	Y
C11-N013A	LEVEL SWITCH MAGNETROL	184C4776	CT	114 HH	Y	Y	N/A	HF		46,113,146 A	Y

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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 C11 CONTROL ROD DRIVE HYDRAULIC CONTROL SYSTEM

NSSS EQUIPMENT

C11-N013B	LEVEL SWITCH MAGNETROL	184C4776	CT	114	HM	Y	Y	N/A	MF		46,113,146 A Y
C11-N013C	LEVEL SWITCH MAGNETROL	184C4776	CT	117	HM	Y	Y	N/A	MF		SEE 301 A Y
C11-N013D	LEVEL SWITCH MAGNETROL	184C4776	CT	117	HM	Y	Y	N/A	MF		SEE 301 A Y
C11-N017A	TRANSMITTER, LEVEL GOULD	184C4775	CT	118	RH	Y	Y	N/A	MF	44	SEE 301 A Y
C11-N017B	TRANSMITTER, LEVEL GOULD	184C4775	CT	114	RH	Y	Y	N/A	MF	44	46,113,146 A Y
C11-N054A	TRANSMITTER, GAGE PRESS ROSEMOUNT	169C8394	TB	95	RH	Y	N/A	N/A	MF		22 A Y
C11-N054B	TRANSMITTER, GAGE PRESS ROSEMOUNT	169C8394	TB	95	RH	Y	N/A	N/A	MF		22 A Y
C11-N054C	TRANSMITTER, GAGE PRESS ROSEMOUNT	169C8394	TB	95	RH	Y	N/A	N/A	MF		22 A Y
C11-N054D	TRANSMITTER, GAGE PRESS ROSEMOUNT	169C8394	TB	95	RH	Y	N/A	N/A	MF		22 A Y

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF STATUS QUAL INST
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SYSTEM C41 STANDBY LIQUID CONTROL SYSTEM

NSSS EQUIPMENT

C41-A001	STORAGE TANK RICHLAND ENG		CT	141	CF	Y	Y	S	N/A	58.8	SEE 302 A Y
C41-C001A	PHP & MOTOR STBY LIQ CONT UNION		CT	141	CF	Y	Y	N/A	HF		SEE 302 A Y
C41-C001B	PHP & MOTOR STBY LIQ CONT UNION		CT	141	CF	Y	Y	N/A	HF		SEE 302 A Y
C41-F004A	STDBY LIQ CONT VALVE CONAX		RB	142	LH	Y	Y	N/A	SF	>100	N/A A Y
C41-F004B	STDBY LIQ CONT VALVE CONAX		RB	142	LH	Y	Y	N/A	SF	>100	N/A A Y
C41-N004	TRANSMITTER, GAGE PRESS ROSEMOUNT	169C8394	CT	145	RH	Y	Y	N/A	HF		SEE 302 A Y
C41-N006	TEMPERATURE CONTROL	158B7072	CT	141	EH	Y	Y	S	N/A		SEE 302 A Y
C41-R003	INDICATOR, PRESSURE ROBERTSHAW	163C1184	CT	145	HH	Y	Y	N/A	SF	>100	SEE 302 A Y
C41-N003	TEMPERATURE SWITCH WEED	157C4624	CT	145	EM	Y	Y	S	N/A	>100	SEE 302 A Y

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

SYSTEM C61 REMOTE SHUTDOWN SYSTEM

NSSS EQUIPMENT

C61-P001	ASSY REMOTE SHUTDOWN VB GE	944E113	CB	98	CF	Y	N/A	N/A	MF	22	7 A	Y
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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	SPEC NO.	BLOG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF STATUS QUAL INST

SYSTEM C71 REACTOR PROTECTION SYSTEM											
NSSS EQUIPMENT											
C71-N005A	SWITCH, PRESSURE BARSDALE	1B4C4770	TB	95	DH	Y	N/A	N/A	HF	13	22 A Y
C71-N005B	SWITCH, PRESSURE BARSDALE	1B4C4770	TB	95	DH	Y	N/A	N/A	HF	13	22 A Y
C71-N005C	SWITCH, PRESSURE BARSDALE	1B4C4770	TB	95	DH	Y	N/A	N/A	HF	13	22 A Y
C71-N005D	SWITCH, PRESSURE BARSDALE	1B4C4770	TB	95	DH	Y	N/A	N/A	HF	13	22 A Y
C71-N006A	LIMIT SWITCH NAHCO	163C1303	TB	95	EH	Y	N/A	N/A	SF		22 A Y
C71-N006B	LIMIT SWITCH NAHCO	163C1303	TB	95	EH	Y	N/A	N/A	SF		22 A Y
C71-N006C	LIMIT SWITCH NAHCO	163C1303	TB	95	EH	Y	N/A	N/A	SF		22 A Y
C71-N006D	LIMIT SWITCH NAHCO	163C1303	TB	95	EH	Y	N/A	N/A	SF		22 A Y
C71-N006E	LIMIT SWITCH NAHCO	163C1303	TB	95	EH	Y	N/A	N/A	SF		22 A Y
C71-N006F	LIMIT SWITCH NAHCO	163C1303	TB	95	EH	Y	N/A	N/A	SF		22 A Y
C71-N006G	LIMIT SWITCH NAHCO	163C1303	TB	95	EH	Y	N/A	N/A	SF		22 A Y
C71-N006H	LIMIT SWITCH NAHCO	163C1303	TB	95	EH	Y	N/A	N/A	SF		22 A Y

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MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: 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	HTG	SEIS			HYDR	ANLYS

SYSTEM C71 REACTOR PROTECTION SYSTEM

NSSS EQUIPMENT

C71-N052A	TRANSMITTER, GAGE PRESS ROSEMOUNT	169C0394	TB	95	DW	Y	N/A	N/A	MF	22 A	Y
C71-N052B	TRANSMITTER, GAGE PRESS ROSEMOUNT	169C0394	TB	95	DW	Y	N/A	N/A	MF	22 A	Y
C71-N052C	TRANSMITTER, GAGE PRESS ROSEMOUNT	169C0394	TB	95	DW	Y	N/A	N/A	MF	22 A	Y
C71-N052D	TRANSMITTER, GAGE PRESS ROSEMOUNT	169C0394	TB	95	DW	Y	N/A	N/A	MF	22 A	Y
C71-S003	ELECTRICAL PROTECTION ASS'Y GE (QTY 8)	914E175	CB	116	DW	Y	N/A	N/A	MF	54.5 8 A	Y

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

SYSTEM D17 PROCESS RADIATION MONITORING SYSTEM

NSSS EQUIPMENT

D17-N003A	DETECTOR, INSULATED GE	237X731	AB	141 DH	Y	N/A N/A MF	4 A Y
D17-N003B	DETECTOR, INSULATED GE	237X731	AB	141 DH	Y	N/A N/A MF	4 A Y
D17-N003C	DETECTOR, INSULATED GE	237X731	AB	141 DH	Y	N/A N/A MF	4 A Y
D17-N003D	DETECTOR, INSULATED GE	237X731	AB	141 DH	Y	N/A N/A MF	4 A Y

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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	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOHEST	---STATUS---	QUAL INST

SYSTEM E12 RESIDUAL HEAT REMOVAL												
NSSS EQUIPMENT												
E12-B001A	HEAT EXCHANGER EPCO		AB	100	CF	Y	N/A	N/A			2,3 B	Y
E12-B001B	HEAT EXCHANGER EPCO		AB	100	CF	Y	N/A	N/A			2,3 B	Y
E12-B001C	HEAT EXCHANGER EPCO		AB	100	CF	Y	N/A	N/A			2,3 B	Y
E12-B001D	HEAT EXCHANGER EPCO		AB	100	CF	Y	N/A	N/A			2,3 B	Y
E12-C002A	RHR, PUMP & MOTOR BRYON & JACKSON		AB	70	CF	Y	N/A	S/D	N/A	16	1 A	Y
E12-C002B	RHR, PUMP & MOTOR BRYON & JACKSON		AB	70	CF	Y	N/A	S/D	N/A	16	1 A	Y
E12-C002C	RHR, PUMP & MOTOR BRYON & JACKSON		AB	70	CF	Y	N/A	S/D	N/A	16	1 A	Y
E12-N001A	CONDUCTIVITY CELL BALSBAUGH	163C1544	AB	70	LH	Y	N/A	S	N/A	>100	N/A A	Y
E12-N001B	CONDUCTIVITY CELL BALSBAUGH	163C1544	AB	70	LH	Y	N/A	S	N/A	>100	N/A A	Y
E12-N002A	TEMPERATURE ELEMENT CALOY/PYCO	159C4313	AB	95	LH	Y	Y	S	N/A	>100	N/A A	Y
E12-N002B	TEMPERATURE ELEMENT CALOY/PYCO	159C4313	AB	95	LH	Y	Y	S	N/A	>100	N/A A	Y
E12-N003A	TEMPERATURE ELEMENT CALOY/PYCO	159C4313	AB	70	LH	Y	Y	S	N/A	>100	N/A 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- TEST	-NAT FREQ- LOWEST	----RRS REF	
			BLDG	ELEV	HTG	SEIS	HYDR	ANLYS			---STATUS---	QUAL

SYSTEM E12 RESIDUAL HEAT REMOVAL												
NSSS EQUIPMENT												
E12-N003B	TEMPERATURE ELEMENT CALOY/PYCO	159C4313	AB	70	LH	Y	Y	S	N/A	>100	N/A A	Y
E12-N004A	TEMPERATURE ELEHENT CALOY/PYCO	159C4313	AB	95	LH	Y	Y	S	N/A	>100	N/A A	Y
E12-N004B	TEMPERATURE ELEMENT CALOY/PYCO	159C4313	AB	95	LH	Y	Y	S	N/A	>100	N/A A	Y
E12-N005A	TEMPERATURE ELEHENT CALOY/PYCO	159C4313	AB	70	LH	Y	Y	S	N/A	>100	N/A A	Y
E12-N005B	TEMPERATURE ELEMENT CALOY/PYCO	159C4313	AB	70	LH	Y	Y	S	N/A	>100	N/A A	Y
E12-N008A	LEVEL XMTR BARTON	145C3156	AB	100	DH	Y	N/A	D	N/A	>100	2,3 A	Y
E12-N008B	LEVEL XMTR BARTON	145C3156	AB	100	DH	Y	N/A	D	N/A	>100	2,3 A	Y
E12-N012	FLOW ORIFICE ASSY, ECCS VICKERY SIMS		AB	100	LH	Y	N/A	S	N/A		N/A A	Y
E12-N013	TRANSHITTER, DIFF PRESS ROSEMOUNT	169C8392	AB	95	DH	Y	N/A	N/A	MF		2 A	Y
E12-N014A	FLOW ORIFICE ASSY, ECCS VICKERY SIMS		AB	100	LH	Y	N/A	S	N/A		N/A A	Y
E12-N014B	FLOW ORIFICE ASSY, ECCS VICKERY SIMS		AB	100	LH	Y	N/A	S	N/A		N/A A	Y
E12-N014C	FLOW ORIFICE ASSY, ECCS VICKERY SIMS		AB	100	LH	Y	N/A	S	N/A		N/A A	Y

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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. 50-450

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 E12 RESIDUAL HEAT REMOVAL											
NSSS EQUIPMENT											
E12-N024	TEMPERATURE ELEMENT CALOY/PYCO	159C4313	AB	70	LH	Y	Y	S	N/A	>100	N/A A Y
E12-N025	CONDUCTIVITY CELL BALSBAUGH	163C1544	AB	70	LH	Y	N/A	S	N/A	>100	N/A A Y
E12-N027A	TEMPERATURE ELEMENT CALOY/PYCO	159C4313	AB	70	LH	Y	Y	S	N/A	>100	N/A A Y
E12-N027B	TEMPERATURE ELEMENT CALOY/PYCO	159C4313	AB	70	LH	Y	Y	S	N/A	>100	N/A A Y
E12-N055A	TRANSMITTER, GAGE PRESSURE ROSEMOUNT	169C0394	AB	75	CF	Y	N/A				1,2 A Y
E12-N055B	TRANSMITTER, GAGE PRESSURE ROSEMOUNT	169C0394	AB	75	CF	Y	N/A				1,2 A Y
E12-N055C	TRANSMITTER, GAGE PRESSURE ROSEMOUNT	169C0394	AB	75	CF	Y	N/A				1,2 A Y
E12-N056A	TRANSMITTER, GAGE PRESSURE ROSEMOUNT	169C0394	AB	75	CF	Y	N/A				1,2 A Y
E12-N056B	TRANSMITTER, GAGE PRESSURE ROSEMOUNT	169C0394	AB	75	CF	Y	N/A				1,2 A Y
E12-N056C	TRANSMITTER, GAGE PRESSURE ROSEMOUNT	169C0394	AB	75	CF	Y	N/A				1,2 A Y
E12-N057	TRANSMITTER, GAGE PRESS ROSEMOUNT	169C0394	AB	100	RH	Y	N/A	N/A	HF		2,3 A Y
E12-N058B	TRANSMITTER, GAGE PRESS ROSEMOUNT	169C0394	CT	110	DH	Y	Y				301 A Y

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

SYSTEM E12 RESIDUAL HEAT REMOVAL										
NSSS EQUIPMENT										
E12-R002A	INDICATOR, PRESSURE ROBERTSHAW	163C1104	AB	75	CF	Y	N/A		1,2 A	Y
E12-R002B	INDICATOR, PRESSURE ROBERTSHAW	163C1104	AB	75	CF	Y	N/A		1,2 A	Y
E12-R002C	INDICATOR, PRESSURE ROBERTSHAW	163C1104	AB	75	CF	Y	N/A		1,2 A	Y
E12-R008A	INDICATOR, PRESSURE ROBERTSHAW	163C1104	AB	75	CF	Y	N/A		1,2 A	Y
E12-R008B	INDICATOR, PRESSURE ROBERTSHAW	163C1104	AB	75	CF	Y	N/A		1,2 A	Y
E12-R008C	INDICATOR, PRESSURE	163C1104	AB	75	CF	Y	N/A		1,2 A	Y

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	-----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 E21 CORE SPRAY - LOW PRESSURE											
NSSS EQUIPMENT											
E21-C001	PUMP & MOTOR, LPCS BYRON & JACKSON		AB	70	CF	Y	N/A	S/D	N/A	17	1 A Y
E21-N002	FLOW ORIFICE ASSY, LPCS		AB	98	LH	Y	N/A	S	N/A		N/A A Y
E21-N052	TRANSMITTER, GAGE PRESSURE ROSEMOUNT	169C8394	AB	75	CF	Y	N/A				1,2 A Y
E21-N053	TRANSMITTER, GAGE PRESSURE ROSEMOUNT	169C8394	AB	75	CF	Y	N/A				1,2 A Y
E21-R001	INDICATOR, PRESSURE ROBERTSHAW	163C1184	AB	75	CF	Y	N/A				1,2 A Y
E21-R002	INDICATOR, PRESSURE ROBERTSHAW	163C1184	AB	75	CF	Y	N/A				1,2 A Y

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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	-----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 E22 CORE SPRAY - HIGH PRESSURE											
NSSS EQUIPMENT											
E22-C001	HPCS PUMP & MOTOR BYRON & JACKSON		AB	70	CF	Y	N/A	S/D	N/A	17	1 A Y
E22-F001	VALVE, MOTOR OPERATED ANCHOR DARLING		AB	70	LH	Y	N/A	N/A	HF		N/A A Y
E22-F004	VALVE, MOTOR OPERATED ANCHOR DARLING		AB	114	LH	Y	N/A	N/A	HF		N/A A Y
E22-F010	VALVE, MOTOR OPERATED ANCHOR DARLING		AB	70	LH	Y	N/A	N/A	HF		N/A A Y
E22-F011	VALVE, MOTOR OPERATED ANCHOR DARLING		AB	70	LH	Y	N/A	N/A	HF		N/A A Y
E22-F012	VALVE, MOTOR OPERATED ANCHOR DARLING		AB	70	LH	Y	N/A	N/A	HF		N/A A Y
E22-F015	VALVE, MOTOR OPERATED ANCHOR DARLING		AB	70	LH	Y	N/A	N/A	HF		N/A A Y
E22-F023	VALVE, MOTOR OPERATED ANCHOR DARLING		AB	70	LH	Y	N/A	N/A	HF		N/A A Y
E22-N007	FLOW ORIFICE ASSY, HPCS VICKERY SIHS		AB	100	LH	Y	N/A	S	N/A		N/A A Y
E22-N051	TRANSMITTER, DIFF PRESSURE ROSEMOUNT	169C0392	AB	75	CF	Y	N/A				1,2 A Y
E22-N052	TRANSMITTER, DIFF PRESSURE ROSEMOUNT	169C0392	AB	75	CF	Y	N/A				1,2 A Y
E22-N054C	TRANSMITTER, DIFF PRESS ROSEMOUNT	169C0392	PT	70	DM	Y	N/A	N/A	HF		25 A Y

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SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM E22 CORE SPRAY - HIGH PRESSURE											
NSSS EQUIPMENT											
E22-N054G	TRANSMITTER, DIFF PRESS ROSEMOUNT	169C0392	PT	70	DW	Y	N/A	N/A	HF		25 A Y
E22-N055C	TRANSMITTER, LEVEL GOULD	184C4775	CT	123	DW	Y	Y	N/A	HF	44	SEE 301 A Y
E22-N055G	TRANSMITTER, LEVEL GOULD	184C4775	CT	123	DW	Y	Y	N/A	HF	44	SEE 301 A Y
E22-R001	INDICATOR, PRESSURE ROBERTSHAW	163C1184	AB	75	CF	Y	N/A				1,2 A Y
E22-R003	INDICATOR, PRESSURE ROBERTSHAW	163C1184	DG	103	HM	Y	N/A	N/A	SF	>100	12,13 A Y
E22-S001	HPCS DIESEL & GENERATOR STEWART & STEVENSON		DG	98	CF	Y	N/A	S/D	HF		12 B Y
E22-S002	HPCS HOT CONT CTR POWELL/GE		CB	116	CF	Y	N/A	N/A	HF		8 A Y
E22-S003	ELEC TRANSFORMER, HPCS ELNA		CB	116	CF	Y	N/A	N/A	HF		8 A Y
E22-S004	SWGR, ELEC METAL ENCL GE		CB	116	CF	Y	N/A	N/A	HF		8 A Y

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SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
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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	LOHEST	---	---STATUS---	QUAL INST

SYSTEM E31 LEAK DETECTION SYSTEM													
NSSS EQUIPMENT													
E31-N001A	TEMPERATURE ELEMENT PYCO	145C3224	AB	70	DH	Y	N/A	N/A	SF	>100	1	A	Y
E31-N001B	TEMPERATURE ELEMENT PYCO	145C3224	AB	70	DH	Y	N/A	N/A	SF	>100	1	A	Y
E31-N002A	TEMPERATURE ELEMENT PYCO	145C3224	AB	70	HH	Y	N/A	N/A	SF	>100	1	A	Y
E31-N002B	TEMPERATURE ELEMENT PYCO	145C3224	AB	70	HH	Y	N/A	N/A	SF	>100	1	A	Y
E31-N003A	TEMPERATURE ELEMENT PYCO	145C3224	AB	70	HH	Y	N/A	N/A	SF	>100	1	A	Y
E31-N003B	TEMPERATURE ELEMENT PYCO	145C3224	AB	70	HH	Y	N/A	N/A	SF	>100	1	A	Y
E31-N004A	TEMPERATURE ELEMENT PYCO	145C3224	AB	70	DH	Y	N/A	N/A	SF	>100	1	A	Y
E31-N004B	TEMPERATURE ELEMENT PYCO	145C3224	AB	70	DH	Y	N/A	N/A	SF	>100	1	A	Y
E31-N005A	TEMPERATURE ELEMENT PYCO	145C3224	AB	70	HH	Y	N/A	N/A	SF	>100	1	A	Y
E31-N005B	TEMPERATURE ELEMENT PYCO	145C3224	AB	70	HH	Y	N/A	N/A	SF	>100	1	A	Y
E31-N006A	TEMPERATURE ELEMENT PYCO	145C3224	AB	70	HH	Y	N/A	N/A	SF	>100	1	A	Y
E31-N006B	TEMPERATURE ELEMENT PYCO	145C3224	AB	70	HH	Y	N/A	N/A	SF	>100	1	A	Y

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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	-----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 E31 LEAK DETECTION SYSTEM											
NSSS EQUIPMENT											
E31-N015A	TEMPERATURE ELEMENT PYCO	145C3224	DW	133 DW	Y	Y	N/A	SF	>100	59,126,159 A Y	
E31-N015B	TEMPERATURE ELEMENT PYCO	145C3224	DW	133 DW	Y	Y	N/A	SF	>100	59,126,159 A Y	
E31-N015C	TEMPERATURE ELEMENT PYCO	145C3224	DW	133 DW	Y	Y	N/A	SF	>100	59,126,159 A Y	
E31-N015D	TEMPERATURE ELEMENT PYCO	145C3224	DW	133 DW	Y	Y	N/A	SF	>100	59,126,159 A Y	
E31-N017A	TEMPERATURE ELEMENT PYCO	145C3224	DW	100 DW	Y	Y	N/A	SF	>100	SEE 305 A Y	
E31-N017B	TEMPERATURE ELEMENT PYCO	145C3224	DW	152 DW	Y	Y	N/A	SF	>100	SEE 306 A Y	
E31-N017C	TEMPERATURE ELEMENT PYCO	145C3224	DW	125 DW	Y	Y	N/A	SF	>100	SEE 307 A Y	
E31-N017D	TEMPERATURE ELEMENT PYCO	145C3224	DW	144 DW	Y	Y	N/A	SF	>100	60,127,160 A Y	
E31-N018A	TEMPERATURE ELEMENT PYCO	145C3224	AB	90 DW	Y	N/A	N/A	SF	>100	1,2 A Y	
E31-N018B	TEMPERATURE ELEMENT PYCO	145C3224	AB	90 DW	Y	N/A	N/A	SF	>100	1,2 A Y	
E31-N027A	TEMPERATURE ELEMENT PYCO	146C3224	AB	107 HH	Y	N/A	N/A	SF	>100	3 A Y	
E31-N027B	TEMPERATURE ELEMENT PYCO	145C3224	AB	107 HH	Y	N/A	N/A	SF	>100	3 A Y	

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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	HTG	SEIS	HYDR	ANLYS			TEST	LOHEST	---STATUS---
	MANUFACTURER												QUAL INST

SYSTEM E31 LEAK DETECTION SYSTEM													
NSSS EQUIPMENT													
E31-N028A	TEMPERATURE ELEMENT PYCO	145C3224	AB	110	HM	Y	N/A	N/A	SF	>100	3	A	Y
E31-N028B	TEMPERATURE ELEMENT PYCO	145C3224	AB	110	HM	Y	N/A	N/A	SF	>100	3	A	Y
E31-N029A	TEMPERATURE ELEMENT PYCO	145C3224	AB	114	HM	Y	Y	N/A	SF	>100	8	A	Y
E31-N029B	TEMPERATURE ELEMENT PYCO	145C3224	AB	114	HM	Y	Y	N/A	SF	>100	8	A	Y
E31-N029C	TEMPERATURE ELEMENT PYCO	145C3224	AB	114	HM	Y	Y	N/A	SF	>100	8	A	Y
E31-N029D	TEMPERATURE ELEMENT PYCO	145C3224	AB	114	HM	Y	Y	N/A	SF	>100	8	A	Y
E31-N030A	TEMPERATURE ELEMENT PYCO	145C3224	AB	114	HM	Y	Y	N/A	SF	>100	8	A	Y
E31-N030B	TEMPERATURE ELEMENT PYCO	145C3224	AB	114	HM	Y	Y	N/A	SF	>100	8	A	Y
E31-N030C	TEMPERATURE ELEMENT PYCO	145C3224	AB	114	HM	Y	Y	N/A	SF	>100	8	A	Y
E31-N030D	TEMPERATURE ELEMENT PYCO	145C3224	AB	114	HM	Y	Y	N/A	SF	>100	8	A	Y
E31-N031A	TEMPERATURE ELEMENT PYCO	145C3224	AB	114	DW	Y	N/A	N/A	SF	>100	3	A	Y
E31-N031B	TEMPERATURE ELEMENT PYCO	145C3224	AB	114	DW	Y	N/A	N/A	SF	>100	3	A	Y

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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

SYSTEM E31 LEAK DETECTION SYSTEM											
NSSS EQUIPMENT											
E31-N031C	TEMPERATURE ELEMENT PYCO	145C3224	AB	114	DM	Y	N/A	N/A	SF	>100	3 A Y
E31-N031D	TEMPERATURE ELEMENT PYCO	145C3224	AB	114	DM	Y	N/A	N/A	SF	>100	3 A Y
E31-N034A	TEMPERATURE ELEMENT PYCO	145C3224	CT	166	DM	Y	Y	N/A	SF	>100	SEE 303 A Y
E31-N034B	TEMPERATURE ELEMENT PYCO	145C3224	CT	166	DM	Y	Y	N/A	SF	>100	SEE 303 A Y
E31-N035A	TEMPERATURE ELEMENT PYCO	145C3224	CT	164	HM	Y	Y	N/A	SF	>100	SEE 303 A Y
E31-N035B	TEMPERATURE ELEMENT PYCO	145C3224	CT	164	HM	Y	Y	N/A	SF	>100	SEE 303 A Y
E31-N036A	TEMPERATURE ELEMENT PYCO	145C3224	CT	154	DM	Y	Y	N/A	SF	>100	SEE 302 A Y
E31-N036B	TEMPERATURE ELEMENT PYCO	145C3224	CT	154	DM	Y	Y	N/A	SF	>100	SEE 302 A Y
E31-N037A	TEMPERATURE ELEMENT PYCO	145C3224	AB	102	DM	Y	N/A	N/A	SF	>100	2,3 A Y
E31-N037B	TEMPERATURE ELEMENT PYCO	145C3224	AB	102	DM	Y	N/A	N/A	SF	>100	2,3 A Y
E31-N039A	TEMPERATURE ELEMENT PYCO	145C3224	AB	95	HM	Y	N/A	N/A	SF	>100	2 A Y
E31-N038B	TEMPERATURE ELEMENT PYCO	145C3224	AB	95	HM	Y	N/A	N/A	SF	>100	2 A Y

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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	-----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 E31 LEAK DETECTION SYSTEM											
NSSS EQUIPMENT											
E31-N039A	TEMPERATURE ELEMENT PYCO	145C3224	AB	95	HM	Y	N/A	N/A	SF	>100	2 A Y
E31-N039B	TEMPERATURE ELEMENT PYCO	145C3224	AB	95	HM	Y	N/A	N/A	SF	>100	2 A Y
E31-N040A	TEMPERATURE ELEMENT PYCO	145C3224	AB	102	DW	Y	N/A	N/A	SF	>100	2,3 A Y
E31-N040B	TEMPERATURE ELEMENT PYCO	145C3224	AB	102	DW	Y	N/A	N/A	SF	>100	2,3 A Y
E31-N041A	TEMPERATURE ELEMENT PYCO	145C3224	AB	95	HM	Y	N/A	N/A	SF	>100	2 A Y
E31-N041B	TEMPERATURE ELEMENT PYCO	145C3224	AB	95	HM	Y	N/A	N/A	SF	>100	2 A Y
E31-N042A	TEMPERATURE ELEMENT PYCO	145C3224	AB	95	HM	Y	N/A	N/A	SF	>100	2 A Y
E31-N042B	TEMPERATURE ELEMENT PYCO	145C3224	AB	95	HM	Y	N/A	N/A	SF	>100	2 A Y
E31-N043A	TEMPERATURE ELEMENT PYCO	145C3224	CT	170	DW	Y	Y	N/A	SF	>100	SEE 303 A Y
E31-N043B	TEMPERATURE ELEMENT PYCO	145C3224	CT	170	DW	Y	Y	N/A	SF	>100	SEE 303 A Y
E31-N044A	TEMPERATURE ELEMENT PYCO	145C3224	CT	175	HM	Y	Y	N/A	SF	>100	SEE 303 A Y
E31-N044B	TEMPERATURE ELEMENT PYCO	145C3224	CT	175	HM	Y	Y	N/A	SF	>100	SEE 303 A Y

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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 HTG	SEIS HYDR	ANLYS TEST	LOHEST	---STATUS--- QUAL INST

SYSTEM E31 LEAK DETECTION SYSTEM							
NSSS EQUIPMENT							
E31-N045A	TEMPERATURE ELEMENT PYCO	145C3224	CT 180 DH	Y Y	N/A SF	>100	SEE 303 A Y
E31-N045B	TEMPERATURE ELEMENT PYCO	145C3224	CT 180 DH	Y Y	N/A SF	>100	SEE 303 A Y
E31-N046A	TEMPERATURE ELEMENT PYCO	145C3224	CT 176 DH	Y Y	N/A SF	>100	SEE 303 A Y
E31-N046B	TEMPERATURE ELEMENT PYCO	145C3224	CT 176 DH	Y Y	N/A SF	>100	SEE 303 A Y
E31-N047A	TEMPERATURE ELEMENT PYCO	145C3224	CT 175 HH	Y Y	N/A SF	>100	SEE 303 A Y
E31-N047B	TEMPERATURE ELEMENT PYCO	145C3224	CT 175 HH	Y Y	N/A SF	>100	SEE 303 A Y
E31-N048A	TEMPERATURE ELEMENT PYCO	145C3224	CT 180 DH	Y Y	N/A SF	>100	SEE 303 A Y
E31-N048B	TEMPERATURE ELEMENT PYCO	145C3224	CT 180 DH	Y Y	N/A SF	>100	SEE 303 A Y
E31-N049A	TEMPERATURE ELEMENT PYCO	145C3224	CT 173 DH	Y Y	N/A SF	>100	SEE 303 A Y
E31-N049B	TEMPERATURE ELEMENT PYCO	145C3224	CT 173 DH	Y Y	N/A SF	>100	SEE 303 A Y
E31-N050A	TEMPERATURE ELEMENT PYCO	145C3224	CT 175 HH	Y Y	N/A SF	>100	SEE 303 A Y
E31-N050B	TEMPERATURE ELEMENT PYCO	145C3224	CT 175 HH	Y Y	N/A SF	>100	SEE 303 A Y

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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	-----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 E31 LEAK DETECTION SYSTEM														
NSSS EQUIPMENT														
E31-N051A	TEMPERATURE ELEMENT PYCO	145C3224	CT	180	DH	Y	Y	N/A	SF	>100			SEE 303 A Y	
E31-N051B	TEMPERATURE ELEMENT PYCO	145C3224	CT	180	DH	Y	Y	N/A	SF	>100			SEE 303 A Y	
E31-N055A	TEMPERATURE ELEMENT PYCO	145C3224	CT	156	DH	Y	Y	N/A	SF	>100			SEE 302 A Y	
E31-N055B	TEMPERATURE ELEMENT PYCO	145C3224	CT	156	DH	Y	Y	N/A	SF	>100			SEE 302 A Y	
E31-N056A	TEMPERATURE ELEMENT PYCO	145C3224	CT	158	HH	Y	Y	N/A	SF	>100			SEE 302 A Y	
E31-N056B	TEMPERATURE ELEMENT PYCO	145C3224	CT	158	HH	Y	Y	N/A	SF	>100			SEE 302 A Y	
E31-N057A	TEMPERATURE ELEMENT PYCO	145C3224	CT	148	HH	Y	Y	N/A	SF	>100			SEE 302 A Y	
E31-N057B	TEMPERATURE ELEMENT PYCO	145C3224	CT	148	HH	Y	Y	N/A	SF	>100			SEE 302 A Y	
E31-N075A	TRANSMITTER, DIFF. PRESSURE ROSEMOUNT	169C0392	AB	108	CF	Y	N/A						2,3 A Y	
E31-N075B	TRANSMITTER, DIFF. PRESSURE ROSEMOUNT	169C0392	AB	100	CF	Y	N/A						2,3 A Y	
E31-N077A	TRANSMITTER, DIFF. PRESSURE ROSEMOUNT	169C0392	AB	108	CF	Y	N/A						2,3 A Y	
E31-N077B	TRANSMITTER, DIFF. PRESSURE ROSEMOUNT	169C0392	AB	100	CF	Y	N/A						2,3 A Y	

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

SYSTEM E31 LEAK DETECTION SYSTEM

NSSS EQUIPMENT

E31-N083A	TRANSHITTER, DIFF. PRESSURE ROSEHOUNT	169C8392	AB	75	CF	Y	N/A				1,2 A	Y
E31-N083B	TRANSHITTER, DIFF. PRESSURE ROSEHOUNT	169C8392	AB	75	CF	Y	N/A				1,2 A	Y

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

SYSTEM E33 MAIN STEAM ISOLATION VALVE SEALS

NSSS EQUIPMENT

E33-D001	FLOW ORIFICE ASSEMBLY VICKERY SIMS		AB		LH	Y	N/A	S	N/A		N/A A	Y
E33-D021	FLOW ORIFICE ASSEMBLY VICKERY SIMS		AB		LH	Y	N/A	S	N/A		N/A A	Y
E33-N006	FLOW ORIFICE ASSEMBLY VICKERY SIMS		AB	143	LH	Y	N/A	S	N/A		N/A A	Y
E33-N026	FLOW ORIFICE ASSEMBLY VICKERY SIMS		AB		LH	Y	N/A	S	N/A		N/A A	Y

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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 ---STATUS---	
			BLDG	ELEV	MTG	SEIS	HYDR			QUAL	INST

SYSTEM E51 REACTOR CORE ISOLATION COOLING SYSTEM

NSSS EQUIPMENT

E51-C001	PUMP, RCIC BINGHAM		AB	70	CF	Y	N/A	S/D	N/A	35	1 A	Y
E51-C002	TURB, ST. RCIC DRIVE TERRY		AB	70	CF	Y	N/A	N/A	HF		1 A	Y
E51-N001	FLOW ORIFICE ASSY, RCIC VICKERY SIMS		AB	100	LH	Y	N/A	S	N/A		N/A A	Y
E51-N010	LEVEL SWITCH MAGNETROL	184C4776	AB	73	CF	Y	N/A	N/A	HF		1 A	Y
E51-N035A	TRANSMITTER, DIFF PRESS ROSEMOUNT	169C8392	PT	71	RH	Y	N/A	N/A	HF		25 A	Y
E51-N035E	TRANSMITTER, DIFF PRESS ROSEMOUNT	169C8392	PT	71	RH	Y	N/A	N/A	HF		25 A	Y
E51-N036A	TRANSMITTER, LEVEL GOULD	184G4775	CT	123	DH	Y	Y	N/A	HF	44	SEE 301 A	Y
E51-N036E	TRANSMITTER, LEVEL GOULD	184G4775	CT	123	DH	Y	Y	N/A	HF	44	SEE 301 A	Y
E51-N037	LEVEL SWITCH MAGNETROL	184G4776	AB	72	CF	Y	N/A	N/A	HF		1 A	Y
E51-N052	TRANSMITTER, GAUGE PRESSURE ROSEMOUNT	169C6394	AB	75	CF	Y	N/A				1,2 A	Y
E51-N053	TRANSMITTER, GAUGE PRESSURE ROSEMOUNT	169C8394	AB	75	CF	Y	N/A				1,2 A	Y
E51-R002	INDICATOR, PRESSURE ROBERTSHAW	163C1184	AB	75	CF	Y	N/A				1,2 A	Y

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-450

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

SYSTEM E51 REACTOR CORE ISOLATION COOLING SYSTEM

NSSS EQUIPMENT

E51-R005	THERMOMETER WEED	145C3103	AB	01	LH	Y	N/A	S	N/A	>100	N/A A	Y
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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM F11											
NSSS EQUIPMENT											
F11-E001	FUEL PREP MACHINE (QTY 2) GE		CT	186	DH	Y	Y	S/D	N/A		49,116,149 A Y
F11-E002	NEW FUEL INSPECTION STAND GE		FB	113	CF	Y	N/A	S/D	N/A		18 A Y
F11-E011	GENERAL PURPOSE GRAPPLE GE		CT	186	N/A	N/A	N/A	S	N/A	N/A	N/A A Y
F11-E012	JIB CRANE CAL PACIFIC		CT	186	CF	Y	Y				49,116,149 A Y
F11-E014	FUEL HANDLING PLATFORM PRO & REM		FB	125	CF	Y	N/A	S/D	N/A		18,19 B Y
F11-E017	FUEL HANDLING PLATFORM PRO & REM		FB	125	CF	Y	N/A	S/D	N/A		18,19 B Y

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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--- QUAL INST

SYSTEM F13							
NSSS EQUIPMENT							
F13-E005	HEAD HOLDING PEDESTAL (QTY 3) CBIN		CT 186 CF	Y Y	D	N/A	49,116,149 A Y
F13-E008	DRYER SEPARATOR STGBK VOTAH		CT 186 CF	Y Y	S	N/A	49,116,149 A Y
F13-E009	HEAD STRONGBACH CAROUSEL VOTAH		CT 186 CF	Y Y	S	N/A	49,116,149 A Y

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM F14

NSSS EQUIPMENT

F14-E002	CONTROL ROD GRAPPLE INDUSTRIAL DESIGN	767E648	CT	186	N/A	Y	Y	S	N/A	N/A	49,116,149 A Y
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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 F15											
NSSS EQUIPMENT											
F15-E003	REFUELING PLATFORM EQUIP PRO & REM		CT	186	CF	Y	Y	S/D	N/A		49,116,149 B Y
F15-E005	AUXILIARY PLATFORM AVEL		CT	186	CF	Y	Y		N/A		49,116,149 A Y
F15-E006	PART OF F15-E003 PRO & REM		CT	186	CF	Y	Y	S/D	N/A		49,116,149 B Y

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

DOCKET NO. 50-450

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

SYSTEM F16							
NSSS EQUIPMENT							
F16-E002	PART OF F16-E011/12 GE		CT 146 CF	Y Y	S/D		SEE 302 A Y
F16-E009	DEFECT FUEL STORAGE CONT GE (QTY 8)		FB 95 CF	Y N/A	N/A		17 A Y
F16-E011	EQPT STOR RACK GE		CT 146 CF	Y Y	S/D N/A		SEE 302 B Y
F16-E012	FUEL STORAGE VAULT GE		FB 95 DH	Y N/A	S/D N/A N/A		17 A Y
F16-E006	IN-VESSEL RACK (QTY 2) GE		CT 146 CF	Y Y	N/A		SEE 302 C Y

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

SYSTEM F42

NSSS EQUIPMENT

F42-D001	INCLINED FUEL XFR TUBE GE		CT 138 CF	Y Y	N/A		SEE 304 A Y
F42-G001	BELLOWS ASSOC PIPE		CT 138 CF	Y Y	N/A		SEE 302 A Y

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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	LOWEST	STATUS	REF
											QUAL	INST

SYSTEM G33 REACTOR WATER CLEAN-UP

NSSS EQUIPMENT

G33-N011	FLOW ORIFICE ASSEMBLY VICKERY SIMS		AB	119	LH	Y	N/A	S	N/A		N/A A	Y
G33-N035	FLOW ELEMENT (VENTURI) PERHUTIT		RB	110	LH	Y	Y	S/D	N/A	>100	N/A A	Y
G33-N040	FLOW ORIFICE ASSEMBLY VICKERY SIMS		AB	118	LH	Y	N/A	S	N/A		N/A A	Y
G33-N043	FLOW ELEMENT (VENTURI) FLUIDICS		AB	118	LH	Y	N/A	S/D	N/A	>100	N/A A	Y

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS	QUAL	INST

SYSTEM H13 CONTROL ROOM PANELS														
NSSS EQUIPMENT														
H13-P601	REACTOR CORE COOLING BB GE	914E501	CB	136	CF	Y	N/A	N/A	HF	14	9	A	Y	
H13-P610	DIV 2 RHR RELAY VB GE	914E516	CB	136	CF	Y	N/A	N/A	HF	19	9	A	Y	
H13-P621	REA CORE ISO COOL RELY VB GE	914E508	CB	136	CF	Y	N/A	N/A	HF	14	9	A	Y	
H13-P622	INBOARD VALVE RELAY VB GE	914E509	CB	136	CF	Y	N/A	N/A	HF	14	9	A	Y	
H13-P623	OUTBOARD VALVE RELAY VB GE	914E510	CB	136	CF	Y	N/A	N/A	HF	14	9	A	Y	
H13-P625	HP CORE SPRAY RELAY PHL GE	914E511	CB	136	CF	Y	N/A	N/A	HF	19	9	A	Y	
H13-P628	AUTO DEP CH A RLY VB GE	914E512	CB	136	CF	Y	N/A	N/A	HF	19	9	A	Y	
H13-P629	DIV 1 LPCS&RHR RELAY VB GE	914E513	CB	136	CF	Y	N/A	N/A	HF	19	9	A	Y	
H13-P631	AUTO DEPRESS CH B RLY VB GE	914E514	CB	136	CF	Y	N/A	N/A	HF	19	9	A	Y	
H13-P632	DIV 1 LEAK DETECTION VB GE	914E515	CB	136	CF	Y	N/A	N/A	HF	19	9	A	Y	
H13-P642	DIV 2 LEAK DETECTION VB GE	914E516	CB	136	CF	Y	N/A	N/A	HF	19	9	A	Y	
H13-P651	ROD ACTION CONTROL CAB GE	865E140AA	CB	136	CF	Y	N/A	N/A	HF		9	A	Y	

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

SYSTEM H13 CONTROL ROOM PANELS							
NSSS EQUIPMENT							
H13-P652	ROD ACTION CONTROL CAB GE	865E140AA	CB 136 CF	Y	N/A N/A MF		9 A Y
H13-P654	DIV 2 MSIV LKG CONT CAB GE	914E517	CB 136 CF	Y	N/A N/A MF	14	9 A Y
H13-P655	DIV 1 MSIV LKG CONT CAB GE	914E518	CB 136 CF	Y	N/A N/A MF	14	9 A Y
H13-P669	NEUTRON/PROCESS RAD DIV 1 GE	851E919AF	CB 136 CF	Y	N/A N/A MF	11	9 A Y
H13-P670	NEUTRON/PROCESS RAD DIV 2 GE	851E920AF	CB 136 CF	Y	N/A N/A MF	11	9 A Y
H13-P671	NEUTRON/PROCESS RAD DIV 3 GE	851E920AF	CB 136 CF	Y	N/A N/A MF	11	9 A Y
H13-P672	NEUTRON/PROCESS RAD DIV 4 GE	851E922AF	CB 136 CF	Y	N/A N/A MF	11	9 A Y
H13-P680	PRNTD PHR PLANT CONSOLE GE	914E519	CB 136 CF	Y	N/A N/A MF	19.5	9 A Y
H13-P691	RPS LOGIC DIV A GE	914E520	CB 136 CF	Y	N/A N/A MF	21	9 A Y
H13-P692	RPS LOGIC DIV B GE	914E521	CB 136 CF	Y	N/A N/A MF	21	9 A Y
H13-P693	RPS LOGIC DIV C GE	914E522	CB 136 CF	Y	N/A N/A MF	21	9 A Y
H13-P694	RPS LOGIC DIV D GE	914E523	CB 136 CF	Y	N/A N/A MF	21	9 A Y

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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. 50-450

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 H13 CONTROL ROOM PANELS											
NSSS EQUIPMENT											
H13-P702	TERM CABINET P702 GE	914E760	CB	136	CF	Y	N/A	N/A	HF	20	9 A Y
H13-P703	TERM CABINET P703 GE	914E770	CB	136	CF	Y	N/A	N/A	HF	20	9 A Y
H13-P704	TERM CAB P704 GE	914E764	CB	136	CF	Y	N/A	N/A	HF	20	9 A Y
H13-P710	TERM CABINET P710 GE	914E761	CB	136	CF	Y	N/A	N/A	HF	20	9 A Y
H13-P711	TERM CAB P711 GE	914E763	CB	136	CF	Y	N/A	N/A	HF	20	9 A Y
H13-P712	TERM CAB P712 GE	914E760	CB	136	CF	Y	N/A	N/A	HF	20	9 A Y
H13-P713	TERM CAB P713 GE	914E766	CB	136	CF	Y	N/A	N/A	HF	20	9 A Y
H13-P714	TERM CAB P714 GE	914E762	CB	136	CF	Y	N/A	N/A	HF	20	9 A Y
H13-P715	TERM CAB P715 GE	914E767	CB	136	CF	Y	N/A	N/A	HF	20	9 A Y
H13-P717	TERM CAB P717 GE	914E765	CB	136	CF	Y	N/A	N/A	HF	20	9 A Y
H13-P721	TERMINATION CABINET P721 GE	914E752	CB	136	CF	Y	N/A	N/A	HF	20	9 A Y
H13-P743	TERMINATION CABINET P743 GE	914E758	CB	136	CF	Y	N/A	N/A	HF	20	9 A Y

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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	LOWEST	RRS REF	STATUS
-----EQUIPMENT-----												
---LOCATION---												
---LOADS---												
-QUAL METH-												
-NAT FREQ-												
----RRS REF												
----STATUS---												
QUAL INST												

SYSTEM H13 CONTROL ROOM PANELS												
NSSS EQUIPMENT												
H13-P744	TERMINATION CABINET P744 GE	914E754	CB	136	CF	Y	N/A	N/A	MF	20	9 A	Y
H13-P745	TERMINATION CABINET P745 GE	914E757	CB	136	CF	Y	N/A	N/A	MF	20	9 A	Y
H13-P746	TERMINATION CABINET P746 GE	914E753	CB	136	CF	Y	N/A	N/A	MF	20	9 A	Y
H13-P747	TERMINATION CABINET P747 GE	914E755	CB	136	CF	Y	N/A	N/A	MF	20	9 A	Y
H13-P748	TERMINATION CABINET P748 GE	914E750	CB	136	CF	Y	N/A	N/A	MF	20	9 A	Y
H13-P750	TERM CABINET P750 GE	914E772	CB	136	CF	Y	N/A	N/A	MF	20	9 A	Y
H13-P751	TERM CABINET ASSY P751 GE	914E950	CB	136	CF	Y	N/A	N/A	MF	20	9 A	Y
H13-P799	TERMINATION CABINET P799 GE	188C7452	CB	136	CF	Y	N/A	N/A	MF	20	9 A	Y
H13-P808	CONTROL ROOM PANEL GE	914E524	CB	136	CF	Y	N/A	N/A	MF	14	9 A	Y
H13-P819	ASSY BOP SAFETY DIV 1 GE	914E525	CB	136	CF	Y	N/A	N/A	MF	18	9 A	Y
H13-P820	BOP SAFETY DIV 2 GE	914E526	CB	136	CF	Y	N/A	N/A	MF	18	9 A	Y
H13-P841	CONTROL ROOM PANEL GE	914E527	CB	136	CF	Y	N/A	N/A	MF	12	9 A	Y

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

SYSTEM H13 CONTROL ROOM PANELS							
NSSS EQUIPMENT							
H13-P842	CONTROL ROOM PANEL GE	914E528	CB 136 CF	Y	N/A N/A MF	12	9 A Y
H13-P851	DIV 1 BOP AUX RELAY PNL GE	914E531	CB 136 CF	Y	N/A N/A MF	12	9 A Y
H13-P852	DIV 2 BOP AUX RELAY PNL GE	914E532	CB 136 CF	Y	N/A N/A MF	12	9 A Y
H13-P863	HVAC BENCH BOARD GE	914E535	CB 136 CF	Y	N/A N/A MF	14	9 A Y
H13-P870	BOP CONTROL BB GE	914E536	CB 136 CF	Y	N/A N/A MF	14	9 A Y
H13-P877	CONTROL ROOM PANEL GE	914E537	CB 136 CF	Y	N/A N/A MF	14	9 A Y
H13-P951	DIV 1 BOP AUX RELAY PANEL GE	944E781	CB 136 CF	Y	N/A N/A MF	18	9 A Y
H13-P952	DIV 2 BOP AUX RELAY PANEL GE	944E782	CB 136 CF	Y	N/A N/A MF	18	9 A Y

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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.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF STATUS QUAL INST
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SYSTEM H22 LOCAL PANELS AND RACKS

NSSS EQUIPMENT

H22-P001	LPCS LOCAL PANEL GE	184C5461	AB	100	CF	Y	N/A	N/A	MF	13.5	2,3 A Y
H22-P002	REAC WATER CLNUP LCL PNL GE	184C5463	CT	141	CF	Y	Y	N/A	MF	13.0	SEE 302 A Y
H22-P004	RV LVL & PRESS LCL PNL A GE	914E794	CT	114	CF	Y	Y	N/A	MF	13.0	46,113,146 A Y
H22-P005	R V LVL & PRESS LCL PNL C GE	184C5349	CT	114	CF	Y	Y	N/A	MF	13.5	46,113,146 A Y
H22-P009	JET PUMP LOCAL PANEL B GE	147D7884	CT	114	CF	Y	Y	N/A	MF	13.0	46,113,146 A Y
H22-P010	JET PUMP LOCAL PANEL A GE	184C5474	CT	114	CF	Y	Y	N/A	MF	13.5	46,113,146 A Y
H22-P011	STBY LIQ CONT LCL PNL GE	184C5470	CT	141	CF	Y	Y	N/A	MF		SEE 302 A Y
H22-P015	MAIN STEAM FLOW LCL PNL A GE	184C5466	CT	114	CF	Y	Y	N/A	MF	13.5	46,113,146 A Y
H22-P017	RCIC LOCAL PANEL GE	147D7879	AB	95	CF	Y	N/A	N/A	MF	13.0	2 A Y
H22-P018	RHR A LOCAL PANEL GE	184C5467	AB	100	CF	Y	N/A	N/A	MF	13.0	2,3 A Y
H22-P021	RHR B LOCAL PANEL GE	184C5459	AB	95	CF	Y	N/A	N/A	MF	13.5	2 A Y
H22-P024	HPCS LOCAL PANEL GE	184C5456	AB	95	CF	Y	N/A	N/A	MF	13.5	2 A Y

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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	
			BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---

SYSTEM H22 LOCAL PANELS AND RACKS											
NSSS EQUIPMENT											
H22-P025	MAIN STEAM FLOW LCL PNL B GE	184C5453	CT	114	CF	Y	Y	N/A	MF	13.0	46,113,146 A Y
H22-P026	RV LVL & PRESS LCL PNL D GE	184C5450	CT	114	CF	Y	Y	N/A	MF	13.5	46,113,146 A Y
H22-P027	RV LVL & PRESS LCL PNL B	147D7885	CT	114	CF	Y	Y	N/A	MF	13.0	46,113,146 A Y
H22-P028	ASSY, HPCS DGP RELAY VB GE	944E114	DG	98	CF	Y	N/A	N/A	MF	14	12 A Y
H22-P030	SRH/IRH PRE-AMP ENCL A GE	195B9778	AB	114	DH	Y	N/A	N/A	MF	20	3 A Y
H22-P031	SRH/IRH PRE-AMP ENCL B GE	195B9778	AB	120	DH	Y	N/A	N/A	MF	20	3,4 A Y
H22-P032	SRH/IRH PRE-AMP ENCL C GE	195B9778	FB	113	DH	Y	N/A	N/A	MF	20	18 A Y
H22-P033	SRH/IRH PRE-AMP ENCL D GE	195B9778	FB	113	DH	Y	N/A	N/A	MF	20	18 A Y
H22-P041	MAIN STEAM FLOW LCL PNL D GE	184C5451	CT	114	CF	Y	Y	N/A	MF	13.5	46,113,146 A Y
H22-P042	MAIN STEAM FLOW LCL PNL C GE	184C5452	CT	114	CF	Y	Y	N/A	MF	13.5	46,113,146 A Y
H22-P055	RHR C LOCAL PANEL GE	184C5465	AB	95	CF	Y	N/A	N/A	MF	13.0	2 A Y
H22-P071	ROD POSITION MULTIPLEXER GE	065E133AA	CT	114	CF	Y	Y	N/A	MF	28	46,113,146 A Y

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

SYSTEM H22 LOCAL PANELS AND RACKS

NSSS EQUIPMENT

H22-P072	ROD POSITION MULTIPLEXER GE	865E133AA	CT	114 CF	Y	Y	N/A	MF	28	46,113,146 A Y
H22-P073	HSP LKG CONTROL DIV 1 LP GE	104C5343	AB	114 CF	Y	N/A	N/A	MF	13.8	3 A Y
H22-P074	HSP LKG CONTROL DIV 2 LP GE	184C5346	AB	114 CF	Y	N/A	N/A	MF	13.8	3 A Y

06 TYPE 1 6 FIELDS WERE PRINTED AS INVALID, MISSI OVERFLOW.
03 TYPE 0 END OF REPORT.

04 TYPE 0 NUMBER OF MESSAGES PRINTED IS 6.
SORTOUT - 2486 RECORDS INPUT
FINAL - 1 RECORDS INPUT
A - 9032 RECORDS OUTPUT

***** H209 TYPE 0 375592 BYTES OF MAIN STORAGE UNUSED DURING REPORTING PHASE

***A.. END ..JOB 9445..R0082120..R.WOOD
 *****A.. END ..JOB 9445..R0082120..R.WOOD
 *****A.. END ..JOB 9445..R0082120..R.WOOD

.FLOOR 2R ...9.53.17 AM 09 MAY 85..R3.PR5 ..SYS.C168..JOB 9445.. END ..A****
 .FLOOR 2R ...9.53.17 AM 09 MAY 85..R3.PR5 ..SYS.C168..JOB 9445.. END ..A****
 .FLOOR 2R ...9.53.17 AM 09 MAY 85..R3.PR5 ..SYS.C168..JOB 9445.. END ..A****

222222	RRRRRR	JJ	000000	BBBBBB	999999	4444	4444	55555555
22222222	RRRRRRRR	JJ	00000000	BBBBBBBB	99999999	444444	444444	555555555
22 222	RR RR	JJ	00 00	BB BB	99 99	444 44	444 44	55
222	RRRRRR	JJ	00 00	BBBBBB	99999999	444 44	444 44	55555555
222	RRRRRRRR	JJ	00 00	BBBBBBBB	99999999	44444444	44444444	555555555
222	RR RR	JJ JJ	00 00	BB BB	99	44444444	44444444	55
22222222	RR RR	JJJJJJJJ	00000000	BBBBBBBB	99999999	44	44	555555555
22222222	RR RR	JJJJJJ	000000	BBBBBB	999999	44	44	555555

RRRRRRR	HH HH	000000	000000	DDDDDDDD
RRRRRRRR	HH HH	00000000	00000000	DDDDDDDDDD
RR RR	HH HH HH	00 00	00 00	DD DD
RRRRRRR	HH HH HH	00 00	00 00	DD DD
RRRRRRRR	HHHHHHHH	00 00	00 00	DD DD
RR RR	HHH HHH	00 00	00 00	DD DD
RR RR	HHH HHH	00000000	DDDDDDDDDD
RR RR	..	HH HH	000000	DDDDDDDD

000000	55555555	//	000000	999999	//	888888	55555555	11	222222	000000
00000000	55555555	//	00000000	99999999	//	88888888	55555555	111	22222222	00000000
00 00	55	//	00 00	99 99	//	88 88	55	11	22 222	00 00
00 00	55555555	//	00 00	99999999	//	888888	55555555	11	222	00 00
00 00	55555555	//	00 00	99999999	//	88888888	55555555	11	222	00 00
00 00	55	//	00 00	99	//	88 88	55	11	222	00 00
00000000	55555555	//	00000000	99999999	//	88888888	55555555	11111111	22222222	00000000
000000	555555	/	000000	999999	/	888888	555555	11111111	22222222	000000

\$\$	BBBBBB	UU UU	DDDDDDDD	GGGGGG	EEEEEEEE	TTTTTTTT
\$\$\$\$\$\$	BBBBBBBB	UU UU	DDDDDDDD	GGGGGGGG	EEEEEEEE	TTTTTTTT
\$ \$	BB BB	UU UU	DD DD	GG GG	EE	TT
\$\$\$\$\$\$	BBBBBB	UU UU	DD DD	GG	EEEEEE	TT
\$\$\$\$\$\$	BBBBBBBB	UU UU	DD DD	GG GGG	EEEEEE	TT
\$ \$	BB BB	UU UU	DD DD	GG GG	EE	TT
\$\$\$\$\$\$	BBBBBBBB	UUUUUUUU	DDDDDDDD	GGGGGGGG	EEEEEEEE	TT
\$ \$	BBBBBB	UUUUUU	DDDDDDDD	GGGGGG	EEEEEEEE	TT

222222	RRRRRR	JJ	000000	BBBBBB	999999	4444	4444	55555555
22222222	RRRRRRRR	JJ	00000000	BBBBBBBB	99999999	444444	444444	555555555
22 222	RR RR	JJ	00 00	BB BB	99 99	444 44	444 44	55
222	RRRRRR	JJ	00 00	BBBBBB	99999999	444 44	444 44	55555555
222	RRRRRRRR	JJ	00 00	BBBBBBBB	99999999	44444444	44444444	555555555
222	RR RR	JJ JJ	00 00	BB BB	99	44444444	44444444	55
22222222	RR RR	JJJJJJJJ	00000000	BBBBBBBB	99999999	44	44	555555555
22222222	RR RR	JJJJJJ	000000	BBBBBB	999999	44	44	555555

*****A.. END ..JOB 9445..R0082120..R.WOOD .FLOOR 2R ...9.53.17 AM 09 MAY 85..R3.PR5 ..SYS.C168..JOB 9445.. END ..A****
 *****A.. END ..JOB 9445..R0082120..R.WOOD .FLOOR 2R ...9.53.17 AM 09 MAY 85..R3.PR5 ..SYS.C168..JOB 9445.. END ..A****
 *****A.. END ..JOB 9445..R0082120..R.WOOD .FLOOR 2R ...9.53.17 AM 09 MAY 85..R3.PR5 ..SYS.C168..JOB 9445.. END ..A****

ATTACHMENT 2

The items listed below identify those components which are not required by fuel load. These items are listed in the Master List with Qualification Status Code C.

BOP

1DFR*P5A,B
1DFR*P5D,E
1ENB*PNL04A
1HVP*FN7A,B

NSSS

F16-E006

Spec. No.	<u>242.132</u>
Rev.	<u>0</u>
Date	<u>05/13/85</u>
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RBS - SEISMIC QUALIFICATION PROGRAM

SEISMIC QUALIFICATION STATUS

TYPE/DESCRIPTION:

Panels for Thermon hydrogen analyzer heat tracing system

EQUIPMENT IDENTIFICATION NO(S) .:

1HTS*PNL2M
1HTS*PNL2N

SAFETY FUNCTION:

Electric heat tracing is required on the hydrogen sample line to prevent condensation of moisture in the lines which affects the accuracy of the monitoring equipment.

QUALIFICATION STATUS:

The aforementioned panels are similar to panels previously tested and qualified.

The panels were subjected to biaxial random multifrequency tests. The ZPAs used in the test were 0.6g for the OBE condition and 1.10g for the SSE condition. The ZPA levels required for River Bend are 0.19g for the OBE and 0.37g for the SSE. Thus, sufficient confidence exists that these panels will be successfully qualified for the River Bend application.

A qualification test report will be submitted for the River Bend application.

SCHEDULE COMPLETION DATE:

May 30, 1985

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Rev.	0
Date	05/13/85
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RBS - SEISMIC QUALIFICATION PROGRAM

SEISMIC QUALIFICATION STATUS

TYPE/DESCRIPTION:

Fluid Components Inc., Model No. 8-66 series level switches

EQUIPMENT IDENTIFICATION NO(S) .:

1DFR*LE8A,B	1DFR*LSY8A,B	1DFA*LE19A,B	1DFM*LE5A,B	1DFR*LE18A,B	1CMS*LE44A
1DFR*LSW8A,B	1DFR*LSZ8A,B	1DFA*LS19A,B	1DFM*LS5A,B	1DFR*LS18A,B	1CMS*LE44B
1DFR*LSX8A,B			1DFM*LE7A,B	1DFR*LE19A,B	1CMS*LS44A
			1DFM*LS7A,B	1DFR*LS19A,B	1CMS*LS44B
					1CMS*LS46A
					1CMS*LS46B

SAFETY FUNCTION:

1DFR*LE8A,B	1DFR*LSX8A,B	1DFR*LSZ8A,B
1DFR*LSW8A,B	1DFR*LSY8A,B	

To provide provision for pumpback of suppression pool water inventory lost as a result of post-LOCA passive seal failure in an ECCS suction line valve in the auxiliary building crescent area.

1DFA*LE19A,B
1DFA*LS19A,B

Monitors flood leak detection for the fuel building general area high-water level; actuates upon fuel building general area water level high to produce alarm point on control room annunciator panel.

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1DFM*LE5A,B 1DFM*LS7A,B
1DFM*LS5A,B 1DFM*LE7A,B

Monitors flood leak detection for the pipe tunnel high-water level; actuates upon pipe tunnel area F or B water level high to produce alarm print on control room annunciator panel.

1CMS*LE44A,B 1CMS*LS46A,B
1CMS*LS44A,B

These level switches activate suppression pool low and high level alarms during normal operation.

1DFR*LE18A,B 1DFR*LE19A,B
1DFR*LS18A,B 1DFR*LS19A,B

Monitor flood leak detection for containment, shield wall area and pipe, and electrical tunnel area, respectively.

QUALIFICATION STATUS:

These level switches are solid-state devices with no moving parts and will be qualified through their similarity to switches previously qualified. The vendor's report demonstrating similarity and final qualification has not been finalized. The analysis will include determination of the resonance frequencies and stresses at the critical locations.

SCHEDULED COMPLETION:

May 30, 1985

Spec. No.	<u>247.491</u>
Rev.	<u>0</u>
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RBS - SEISMIC QUALIFICATION PROGRAM

SEISMIC QUALIFICATION STATUS

TYPE/DESCRIPTION:

3-in., 300-lb air-operated globe valves

EQUIPMENT IDENTIFICATION NO(S) .:

1DFR*AOV144
1DFR*AOV145

SAFETY FUNCTION:

These valves are nonactive and are located in a piping system which directs the reactor building floor drain flow to radwaste or to the suppression pool after LOCA.

QUALIFICATION STATUS:

These valves will be qualified by static analysis to demonstrate structural integrity. The maximum seismic acceleration for these valves from the as-built analysis is only 0.9 g. Similar valves have been successfully qualified by static analysis and static operability test for accelerations in excess of 3g. Thus, sufficient confidence exists that the static analysis will result in demonstrating structural integrity of these valves.

These valves are not required for plant startup or low-level operation.

SCHEDULED COMPLETION:

June 30, 1985

Spec. No. 247.497
Rev. 0
Date 05/13/85
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RBS - SEISMIC QUALIFICATION PROGRAM

SEISMIC QUALIFICATION STATUS

TYPE/DESCRIPTION:

1-, 1 1/2-, and 3-in. modulating control globe valves

EQUIPMENT IDENTIFICATION NO(S) .:

1E33*PVF002	1SWP*PVX32A
1E33*PVF022	1SWP*PVX32B
1HVK*TV16A	1SWP*PVX32C
1HVK*TV16B	1SWP*PVX32D
1HVK*TV17A	1SWP*PVY32A
1HVK*TV17B	1SWP*PVY32B
1HVK*TV18A	1SWP*PVY32C
1HVK*TV18B	1SWP*PVY32D
1LSV*PV10A	
1LSV*PV10B	

SAFETY FUNCTION:

1E33*PVF002
1E33*PVF022
1LSV*PV10A,B

These valves control containment penetration process line seal air pressure.

1HVK*TV16A, 16B
17A, 17B, 18A
18B

These valves modulate chilled water flow to air-conditioning units in the control building in order to maintain design temperature in the control, switchgear, and chiller equipment rooms.

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1SWP*PVX32A,B,C,D
1SWP*PVY32A,B,C,D

These valves control service water temperature and pressure to the control building chiller condensers.

QUALIFICATION STATUS:

These valves are qualified by static analysis (to ensure structural integrity), static deflection tests (to demonstrate operability of the valve assembly), and dynamic random multifrequency testing of the actuator. All qualification requirements have been satisfactorily completed, except for the actuator test, which is currently being conducted by the vendor.

A prototype actuator, Model No. 85560, is being tested in accordance with IEEE 382-1980. Model Nos. 85820, 85550, and 85570 will be qualified through their similarity to Model No. 85560.

The maximum seismic acceleration for these actuators from the as-built piping analysis is 1.4g. A similar actuator, Model No. 85280, has been successfully tested at an acceleration level of 4.5g. Thus, sufficient confidence exists that the River Bend actuators will successfully pass the test.

SCHEDULED COMPLETION DATE:

September 30, 1985

Spec. No.	<u>247.521</u>
Rev.	<u>0</u>
Date	<u>05/13/85</u>
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RBS - SEISMIC QUALIFICATION PROGRAM

SEISMIC QUALIFICATION STATUS

TYPE/DESCRIPTION:

2-in. inlet by 3-in. outlet, Model No. 2H3 JO-25, Crosby safety relief valve

EQUIPMENT IDENTIFICATION NO(S) .:

1HVK*RV45A
1HVK*RV45B

SAFETY FUNCTION:

Provide overpressurization protection for the chilled water compression tanks/system.

QUALIFICATION STATUS:

Crosby has previously qualified these valves to 3g by evaluating the structural integrity of the valve assembly and by performing static deflection tests. However, due to valve relocation, the design pressure, temperature, set pressure, and fluid media have changed. Crosby is currently reconciling these design changes with the existing qualification reports and will perform another static operability test under the appropriate conditions.

Since the valves' new design conditions will not significantly change the operating discharge force, internal pressure stresses and the allowable stress of the critical components remain the same; the existing static analysis will provide adequate assurance of the structural integrity of the valves.

The new static deflection tests are expected to be completed successfully, since these valves were previously tested to 5.2g with an air medium. The new test will require the valves to operate at a load of 4.25g with a lower set pressure (50 psig versus 100 psig).

SCHEDULED COMPLETION DATE:

May 30, 1985

JUSTIFICATION FOR INTERIM OPERATION

NAME:

Safety Relief Valve

MPL:

B21-F041/F047/F051

SAFETY FUNCTION:

To open upon command in the relief mode, or upon setpoint pressure in the safety mode in order to relieve high pressure in the reactor pressure vessel.

FAILURE MODES:

Fail Open	<u>X</u>	(Safety Mode)
Fail Closed	<u>X</u>	(Pressure Relief Mode)
Loss of Power	<u>X</u>	(Pressure Relief Mode)
Loss of Air	<u>X</u>	(Pressure Relief Mode)
Loss of Pressure Integrity	<u> </u>	
Loss of Structural Integrity	<u> </u>	
Distortion of Mounting	<u> </u>	

FAILURE EFFECT:

A. Effect on primary use.

Failing open would cause a depressurization transient, as discussed in the FSAR, Section 15.1.4. If the valve cannot be closed, plant shutdown is initiated by the operator.

Loss of power and/or air could cause the SRV to fail closed in the pressure relief mode of operation. In this event, the backup safety mode of operation would take over to prevent overpressurization of the RPV. This situation is discussed in the FSAR, Section 5.2.2.

B. Secondary Effect.

None

DISCUSSION AND CONCLUSION:

The River Bend Safety Relief Valves (SRVs) have been dynamically tested as part of an overall environmental qualification program that is still in progress. The dynamic portion of the test, which has been completed, adequately enveloped the River Bend required response spectra. The SRVs performed their safety related functions before, during and after the dynamic

testing. The dynamic testing was performed on a test article which had been radiation, thermally, and mechanically aged to a 5-year life for replaceable components and to a 40-year life for non-replaceable components. Documentation showing dynamic qualification has not been completed only because the final test report has not yet been issued due to ongoing post-accident environmental testing.

Therefore, interim operation with the River Bend Safety Relief valves not fully documented for dynamic qualification does not pose a safety hazard.

JUSTIFICATION FOR INTERIM OPERATION

NAME: RHR Heat Exchanger

MPL: E12-B001

SAFETY FUNCTION:

To remove decay heat from the reactor.

FAILURE MODES:

Fail Open	_____
Fail Closed	_____
Loss of Power	_____
Loss of Air	_____
Loss of Pressure Integrity	_____
Distortion of Mounting	<u> X </u>

FAILURE EFFECT:

A. Effect on Primary use

Support structure could yield, under excessive seismic loads, causing heat exchanger nozzles to pick up additional load. If nozzles pick up additional load, they too might yield. However, pressure integrity and heat removal capability would be unimpaired.

B. Secondary Effect

None

DISCUSSION AND CONCLUSION:

The River Bend RHR heat exchanger does not experience hydrodynamic loads and was therefore not reanalyzed during the River Bend New Loads Program, whereas heat exchangers from many other plants were reanalyzed. The River Bend RHR heat exchanger is structurally similar to these other reanalyzed and qualified heat exchangers which experience larger dynamic loads than River Bend. The original qualification analyses of these other heat exchangers were shown to be conservative after refined dynamic methods were used.

As with these other heat exchangers, the original River Bend heat exchanger analysis is not in conformance with the latest method requirements of the SQRT Program identified in Reg. Guides 1.92 and 1.100, and in IEEE Standard 344-1975 prescribing multi-frequency excitation and multi-mode response dynamic analyses.

However, an extensive analysis was performed earlier on the River Bend heat exchanger on a pre-SQRT basis with built-in conservatism. This simplified analysis shows that the allowable loads are not exceeded by a comfortable margin. Therefore, the possibility of exceeding the allowables when the heat exchanger is reanalyzed to the SQRT criteria is remote.

Additional assurance of the remoteness of overloads is inferred from the experience of past reanalyses on similar heat exchangers in other plants, as mentioned above.

Therefore, interim operation with the River Bend RHR heat exchanger not fully reanalyzed to the SQRT criteria does not pose a safety hazard.

JUSTIFICATION FOR INTERIM OPERATION

NAME: HPCS Diesel Generator

MPL NO.: E22-S001

SAFETY FUNCTION:

To supply high pressure emergency cooling water to the reactor pressure vessel, in order to maintain reactor core temperatures within specification limits.

FAILURE MODES:

Fail Open	_____
Fail Closed	_____
Loss of Power	<u>X</u>
Loss of Air	<u>X</u>
Loss of Pressure Integrity	_____
Distortion of Mounting	<u>X</u>
Loss of Structural Integrity	<u>X</u>

FAILURE EFFECT:

A. Effect on Primary Use

Failures could cause flow rate of emergency cooling water to be less than required to maintain reactor core temperatures or cladding oxidation within specification limits under accident conditions.

B. Secondary Effect

Failure would deprive power to service water pump 1 SWP*P2C which has been connected to the HPCS diesel generator bus. The specific effect is addressed elsewhere.

DISCUSSION:

The diesel generator on the GSU River Bend Station Unit 1 High Pressure Core Spray system has been undergoing an extensive seismic qualification program. This program, using a combination of test and analysis, has been successful in showing that the majority of essential components mounted on the diesel generator are qualified to the SQRT criteria. However, a few essential components require additional test or analysis to complete their qualification.

Operation of GSU River Bend Station Unit 1 up to the 5% power level prior to completion of this qualification poses no safety hazard because a redundant single failure proof equipment path exists which provides safe shutdown without HPCS for those accidents for which HPCS is designed to operate. This alternate safe shutdown path to provide core cooling would be accomplished by depressurization through ADS coupled with the low pressure LPCI mode of RHR operation and/or LPCS.

ADS:

The automatic depressurization system is designed to provide automatic depressurization of the reactor vessel by activating seven safety/relief valves. These valves vent steam to the suppression pool in the event that the HPCS cannot maintain the reactor water level following a LOCA. ADS reduces the reactor pressure so that flow from the low pressure LPCI and LPCS systems can inject into the reactor vessel in time to cool the core and limit fuel cladding temperature.

To prevent inadvertent actuation of the ADS, two channels of logic for each ADS trip system (A & B) are used. Both channels must be activated to actuate either of the ADS trip systems.

Each channel contains a single input from a drywell high pressure sensor. In addition, one channel includes two differential pressure sensor inputs monitoring reactor vessel low water level (trip levels 1 and 3). The low water level 3 trip provides confirmation of a reactor vessel low water level condition.

The second trip channel is redundant, except the low water level confirmation signal is omitted.

To assure that adequate makeup water is available after the vessel has been depressurized, each logic channel includes a pump discharge pressure permissive signal indicating LPCI or LPCS is available for vessel water makeup. Any one of the three LPCI pumps or the LPCS pump is sufficient to permit automatic depressurization.

After receipt of the initiation signals and after a delay provided by timers, the solenoid pilot air valves are energized. This allows pneumatic pressure from the accumulator to act on the air cylinder operator. Each ADS trip system timer can be reset manually to delay system initiation. If reactor vessel water level is restored by HPCS prior to the end of the time delay, ADS initiation will be prevented.

The ADS trip system A actuates the "A" solenoid pilot valve on each ADS relief valve. Similarly, the ADS trip system B actuates the "B" solenoid pilot valve on each ADS relief valve. Actuation of either solenoid pilot valve causes the ADS valve to open to provide depressurization.

Once initiated the ADS logic seals in and can be reset by the control room operator only when either drywell pressure or vessel water level return to normal.

Two control switches (one for each trip system solenoid) are located in the main control room for each safety/relief valve associated with the ADS. Each switch controls one of the two solenoid pilot valves.

The ADS is designed to remain operational following a single active or passive component failure including power buses, electrical and mechanical parts, cabinets and wiring.

LPCI

The low pressure coolant injection system is an operating mode of the RHR system. The LPCI system is automatically actuated by low water level in the reactor and/or high pressure in the drywell and, when reactor vessel pressure is low enough, uses the three RHR motor-driven pumps to draw suction from the suppression pool and inject cooling water flow into the reactor core to cool the core by flooding. Each loop has its own suction and discharge piping and separate vessel nozzle which connects with the core shroud to deliver flooding water to the top of the core. The system is a high volume core flooding system.

The LPCI system, like the LPCS system, is designed to provide cooling to the reactor core only when the reactor vessel pressure is low, as is the case for large LOCA break sizes. However, when HPCS is not available, LPCI operates in conjunction with the ADS to extend LPCI to all break sizes because the ADS will rapidly reduce the reactor vessel pressure to the LPCI operating range.

The pumps, piping, controls, and instrumentation of the LPCI loops are separated and protected so that any single physical event, including missiles, cannot make all loops inoperable.

To assure continuity of core cooling, primary containment isolation signals do not interfere with the LPCI mode of operation.

Each LPCI discharge line to the reactor is provided with two isolation valves. The valve inside the drywell is a testable check valve and the valve outside the drywell is a motor-operated gate valve. No power is required to operate the check valve inside of the drywell since it opens with LPCI injection flow. If a break were to occur outboard of the check valve, it would shut isolating the reactor from the line break.

The motor-operated isolation valve outside of the drywell is also called the LPCI injection valve and is located as close as practical to the drywell wall. A permissive switch prevents the valve operator from energizing to open until the reactor pressure is below the design pressure for the RHR piping. The valve will be fully open within 37 seconds following the design basis loss-of-coolant accident signal or within 27 seconds after the pressure permissive is satisfied, whichever is greater.

Many flow paths are available other than the LPCI injection line. However, the low water level or high drywell pressure signals which automatically initiate the LPCI mode are also used to isolate all other modes of operation and revert system valves to the LPCI lineup. Inlet and outlet valves from the heat exchangers receive no automatic signals as the system is designed to provide rated flow to the vessel whether they are open or not.

A check valve in the pump discharge line is used together with a discharge line fill system to keep the discharge lines full of water, thereby preventing water hammer on pump start. A flow element in each pump discharge line is used to provide a measure of system flow and to originate automatic signals for control of the pump minimum flow valve. The minimum flow valve permits a small flow to the suppression pool in the event that either no discharge valve is open, or in the case of a LOCA; vessel pressure is higher than pump shutoff head.

Using the suppression pool as the source of water for the LPCI establishes a closed loop for recirculation of LPCI water escaping from the break.

The LPCI pump motors and injection valves are provided with manual override controls. These controls permit the operator to manually control the system subsequent to automatic initiation.

LPCS

The low pressure core spray system consists of a single motor driven pump, a spray sparger in the reactor vessel above the core (separate from the HPCS sparger), piping and valves to convey water flow from the suppression pool to the sparger, and associated controls and instrumentation.

When low water level in the reactor vessel and/or high pressure in the drywell is sensed, the LPCS system automatically starts and, when the reactor vessel pressure is low enough, sprays water onto the top of the fuel assemblies to cool the core. The LPCS injection piping enters the vessel, divides and enters the core shroud at two points near the top of the shroud. A semicircular sparger is attached to each outlet. Nozzles are spaced around the sparger to spray the water radially over the core and into the fuel assemblies.

The LPCS is designed to provide cooling to the reactor core only when the reactor vessel pressure is low, and is the case for large LOCA break sizes. However, when HPCS is not available, LPCS operates in conjunction with the ADS to extend LPCS to all break sizes because the ADS can rapidly reduce the reactor vessel pressure to the LPCS operating range.

The low pressure core spray pump and all motor-operated valves can be operated individually by manual switches located in the control room. Operating indication is provided in the control room by a flow meter and valve indicator lights.

To assure continuity of core cooling, primary containment isolation signals do not interfere with LPCS operation.

The LPCS discharge line to the reactor is provided with two isolation valves. One of these valves is an air testable check valve located inside the drywell as close as practical to the reactor vessel. LPCS injection flow causes this valve to open during LOCA conditions (i.e., no power is required for valve actuation during LOCA). If the LPCS line should break outside the containment the check valve in the line inside the drywell will prevent loss of reactor water outside the containment.

The other isolation valve (which is also referred to as the LPCS injection valve) is a motor-operated gate valve located outside the primary containment as close as practical to the LPCS discharge line penetration into the containment. A permissive switch prevents the valve operator from being energized to open until the reactor pressure is below the design pressure for the LPCS

piping. The valve will be fully open within 37 seconds following the design basis LOCA or within 27 seconds after the pressure permissive is satisfied, whichever is greater. This valve is normally closed to back up the inside testable check valve for containment integrity purposes. A test line is provided between the two valves. The test connection line has two normally closed valves to assure containment integrity.

The LPCS system components and piping are arranged to avoid unacceptable damage from the physical effect of design-basis accidents, such as pipe whip, missiles, high temperature, pressure and humidity.

With the exception of the testable check valve, all active LPCS equipment is located outside the primary containment.

A check valve, flow element and restricting orifice are provided in the LPCS discharge line from the pump to the injection valve. The check valve is located below the minimum suppression pool water level and is provided so the piping downstream of the valve can be maintained full of water by the discharge line fill system. The flow element is provided to measure system flow rate during LOCA and test conditions and for automatic control of the minimum low flow bypass globe valve. The measured flow is indicated in the main control room. The restricting orifice is sized during the pre-operational test of the system to limit system flow to acceptable values as described on the LPCS system Process Diagram.

A low flow bypass line with a motor-operated globe valve connects to the LPCS discharge line upstream of the check valve on the pump discharge line. The line bypasses water to the suppression pool to prevent pump damage due to overheating when other discharge line valves are closed or reactor pressure is greater than the LPCS system discharge pressure following system initiation. The valve automatically closes when flow in the main discharge line is sufficient to provide required pump cooling.

LPCS flow passes through a motor-operated pump suction valve that is normally open. This valve can be closed by a remote manual switch (located in the control room) to isolate the LPCS system from the suppression pool should a leak develop in the system. This valve is located as close to the suppression pool penetration as practical. Since the LPCS takes suction from the suppression pool, a closed loop is established for the water escaping from the break.

The LPCS pump and injection valve are provided with manual override controls. These controls permit the operator to manually control the system subsequent to automatic initiation.

CONCLUSION:

Assuming any pipe break in combination with a HPCS failure, no additional single active component failure can prevent automatic initiation and successful operation of less than the following combination of ECCS equipment:

1. 2 LPCI loops and the ADS; or
2. 1 LPCI loop, the LPCS and the ADS; or
3. 1 LPCI loop, and the ADS, or
4. the LPCS and ADS.

Any one of the above combinations injects sufficient water into the vessel in time to cool the core and limit fuel cladding temperature for all design basis accident scenarios, assuming reactor power is limited to 5% or less of full power. Therefore, the combination of ADS, LPCI and LPCS systems ensures that a single failure proof equipment path exists which provides safe shutdown without HPCS for those accidents for which HPCS is designed to operate.

JUSTIFICATION FOR INTERIM OPERATION

NAME: Refueling and Fuel Handling Platforms

MPL: F11-E014/E017
F15-E003/E006

SAFETY FUNCTION:

To support fuel bundles during transfer within reactor and fuel handling buildings.

FAILURE MODES:

Fail open	_____
Fail closed	_____
Loss of power	_____
Loss of air	_____
Loss of pressure integrity	_____
Loss of structural integrity	_____X
Distortion of mounting	_____X

FAILURE EFFECT:

A. Effect on Primary Use

Dropping a fuel bundle could cause rupture of fuel pins and release of radioactivity.

B. Secondary Effect

None.

DISCUSSION AND CONCLUSION:

Dynamic qualification of the refueling and fuel handling platforms is based on the ability of the platform structures to withstand dynamic accelerations without exceeding stress levels, as determined by the AISC Code based on the allowable limits of the materials. Earlier analyses of the River Bend platforms verified that the stress levels would not be exceeded. However, these earlier analyses did not address closely spaced modes. The River Bend platforms are currently being reanalyzed to address closely spaced modes as required by the SQRT acceptance criteria. Similar reanalyses have been performed on other plants for similar platforms. These other reanalyses indicate that adequate margin exists to allowable stress levels, and that failure of the

platform structure would not result. The same conclusion is expected for the River Bend platforms. Therefore, there is no danger of fuel rupture in either the reactor building or the refueling building. Additionally, for the initial fuel load at River Bend, only unirradiated fuel will be handled. Therefore, any accident involving this unirradiated fuel would not pose activity release exceeding the limitations of 10CFR100, Appendix B.

Therefore, interim operation with the River Bend refueling and fuel handling platforms not fully reanalyzed to the SQRT criteria does not pose a safety hazard.

JUSTIFICATION FOR INTERIM OPERATION

NAME: Equipment Storage Rack
MPL: F16-E011
SAFETY FUNCTION: Storage of equipment or fuel bundles
FAILURE MODES:

Fail Open	_____
Fail Closed	_____
Loss of Power	_____
Loss of Air	_____
Loss of Pressure Integrity	_____
Loss of Structural Integrity	_____ x
Distortion of Mounting	_____ x

FAILURE EFFECT:

A. Effect on primary use

Rack or support structure could yield under excessive dynamic loads, causing equipment or fuel bundles stored therein to shift position.

B. Secondary effect

None

DISCUSSION AND CONCLUSION:

River Bend equipment storage racks are similar to other racks which have been qualified to dynamic loads greater than expected at River Bend, with substantial margin. These margins are based on yield allowables. Additional margins are therefore available to ultimate allowables. Because of similarity, it is expected that the River Bend racks will exhibit similar margins of safety when fully analyzed to the SQRT criteria. Furthermore, interim use of the equipment storage racks will be limited to initial fuel loading activities with unirradiated equipment or fuel bundles. Finally, interim use of the equipment storage racks is a convenience, but not a necessity. Other racks which have been analyzed to the SQRT criteria are available.

Therefore, interim operation with the River Bend equipment storage racks not yet fully analyzed to the SQRT criteria does not pose a safety hazard.