

ATTACHED TO: GSS-4084

GENERAL ELECTRIC COMPANY
PLANT PIPING ANALYSIS II
DESIGN MEMO 150-96

JANUARY 13, 1984

SUBJECT: Required Reponse Spectra for Riverbend
SRV and MSIV at the Valve Mounted Flange

PREPARED BY: *H. Nguyen*
H. Nguyen, Engineer
Plant Piping Analysis II

REVIEWED BY: *Nancy Yeh*
N. Yeh, Engineer
Plant Piping Analysis II

APPROVED BY: *U. N. Sinha*
U. N. Sinha, Manager
Plant Piping Analysis II

Nuclear Document Control

JAN 27 1984

1.0 REFERENCES

- 1) Project Work Authorization PWA #4352LD, Rev. 0
- 2) Riverbend DRF No. B21-00242
- 3) "Procedure for Generating Input Data for Pipe & Floor Mounted Equipment Qualification" by C.V. Subramanian

2.0 PURPOSE

The purpose of this letter is to report the results of the required response spectra (RRS) generation of the SRV and MSIV at the valve mounted flange, authorized in Reference 1. By this letter, the final results of RRS are formally transmitted to the responsible equipment engineer.

3.0 SUMMARY

Two sets of RRS were developed; one set for SRV and the other set for MSIV. Each set contained the individual RRS (RV1, RV2 and LOCA) and the enveloped and combined RRS for Level B & C and D. The input piping data and loads were obtained from Reference 2 and the RRS were generated at the valve with highest acceleration.

Per Reference 3, the required tests are to be performed as follows:

- For SRV pre-aging test, the RV1 and RV2 RRS should be used. (RV2 RRS is the enveloped RRS of RV2_{ALL}, RV2_{SINGLE} and RV2_{ADS}).

The duration of test input for RV1 is 3.75 min. and 3600 significant load cycles should be present in the time history to be applied to the test table. For RV2, the duration is 12 min. and 3600 load cycles. table. For RV2, the duration is 12 min. and 3600 load cycles.

- For structural integrity and operability tests, use RRS for level B & C (upset) and level D (faulted). The RRS for level B & C and D are the enveloped RRS of the governing load combination equations. Each of these tests should have duration of at least 30 seconds.
- For SRV post-aging test, use LOCA RRS with duration of 15 min. and 7200 load cycles. (LOCA RRS is the enveloped RRS of Chugging, Vent Line Clearing and Condensation Oscillation).

All data is verified and contained in DRF No. B21-00277.

4.0 DOCUMENTATION

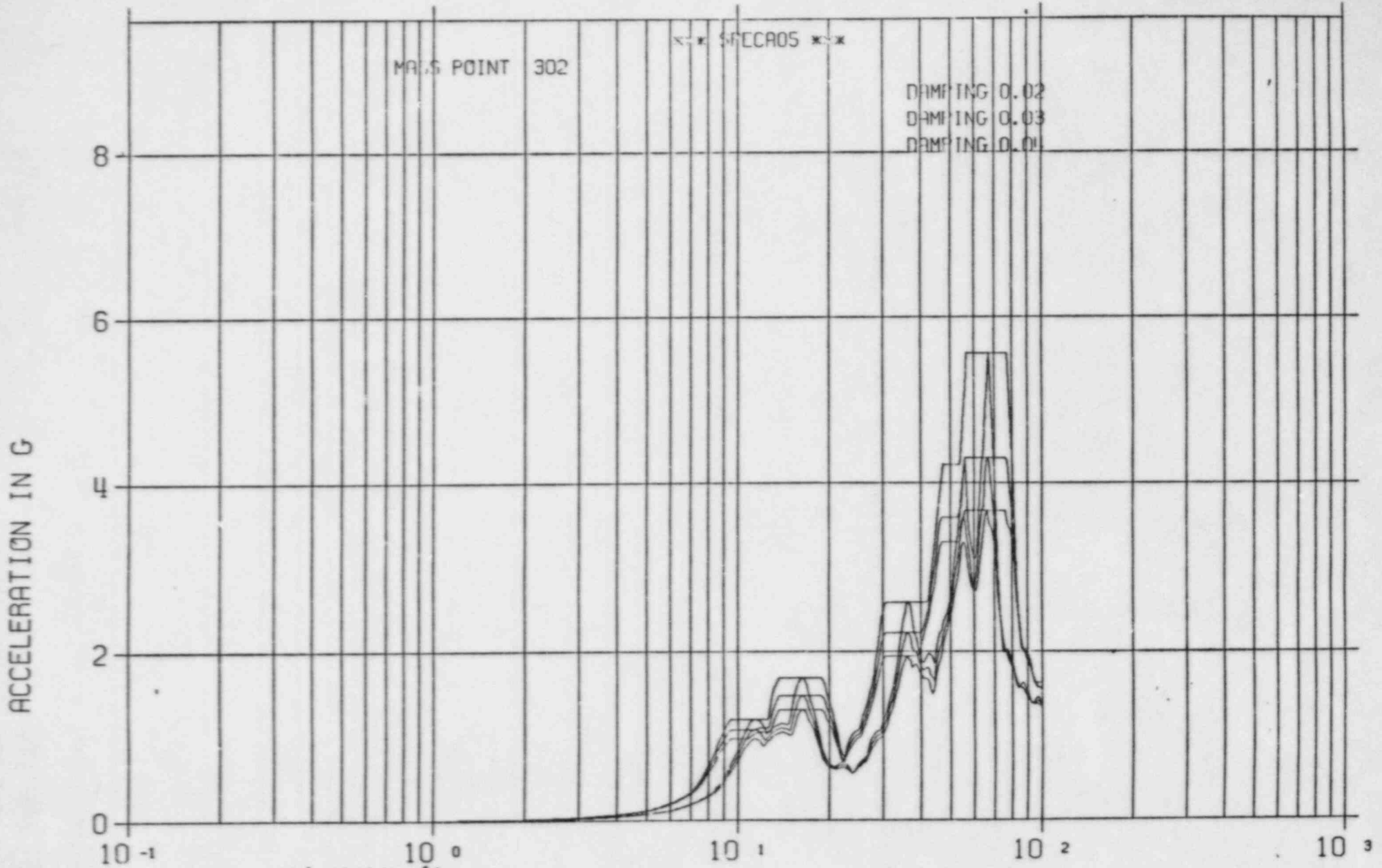
- Set No. 1 - SRV RV1 RRS
- SRV RV2 RRS

4.0 DOCUMENTATION (Continued)

- Set No. 2 - MSIV RV1 RRS
- MSIV RV2 RRS
- MSIV LOCA RRS
- MSIV Enveloped and Combined RRS for Level B & C
- MSIV Enveloped and Combined RRS for Level D

SRV HORIZONTAL X ACC RESPONSE SPECTRA RV1

JANUARY 06, 1984

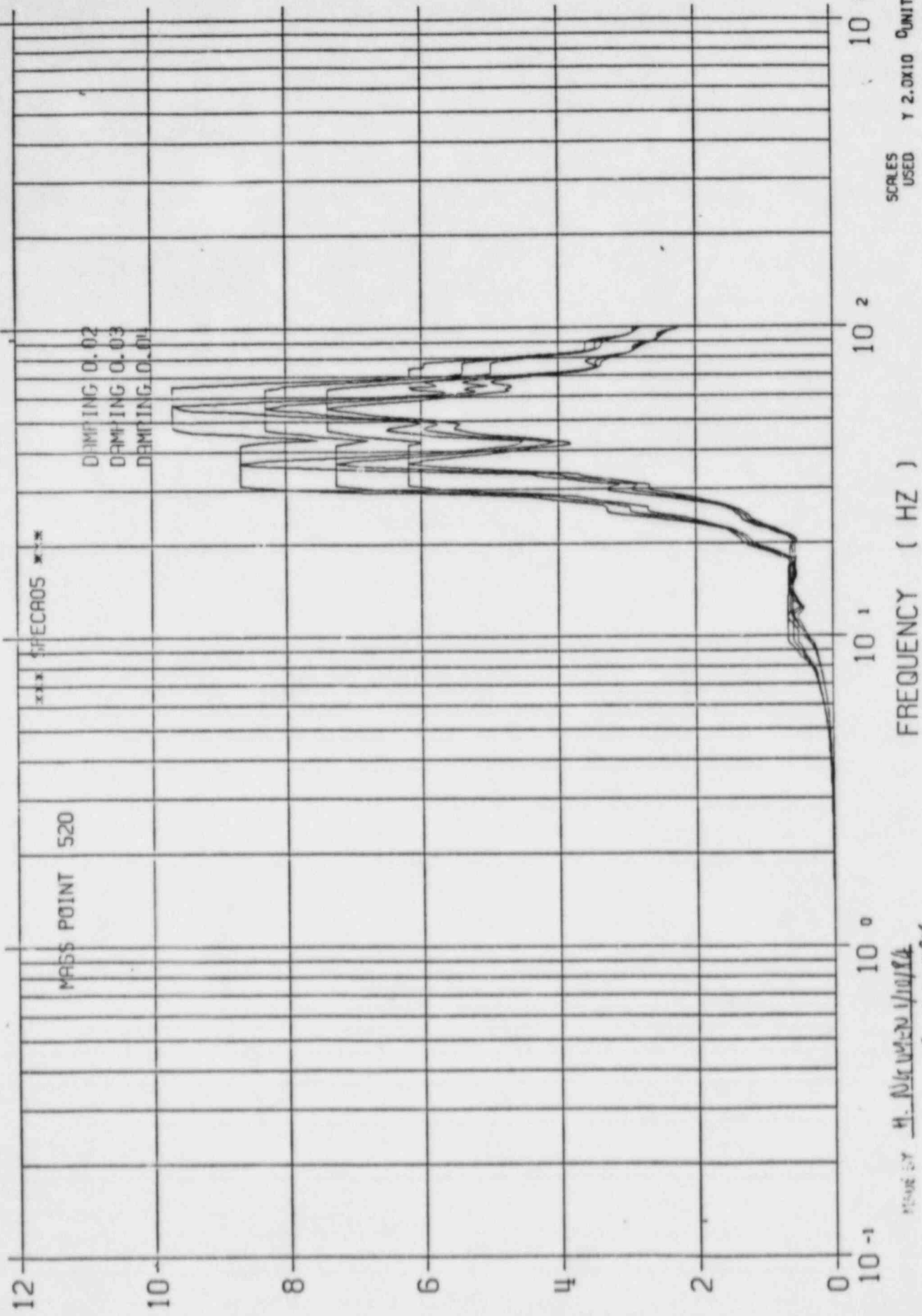


DESIGNED BY H. N. GUYER 11/10/84
CHECKED BY N. Yeh 11/11/84

SCALES USED Y 1.6x10⁰ UNITS/IN

SRV VERTICAL ACC RESPONSE SPECTRA RVI

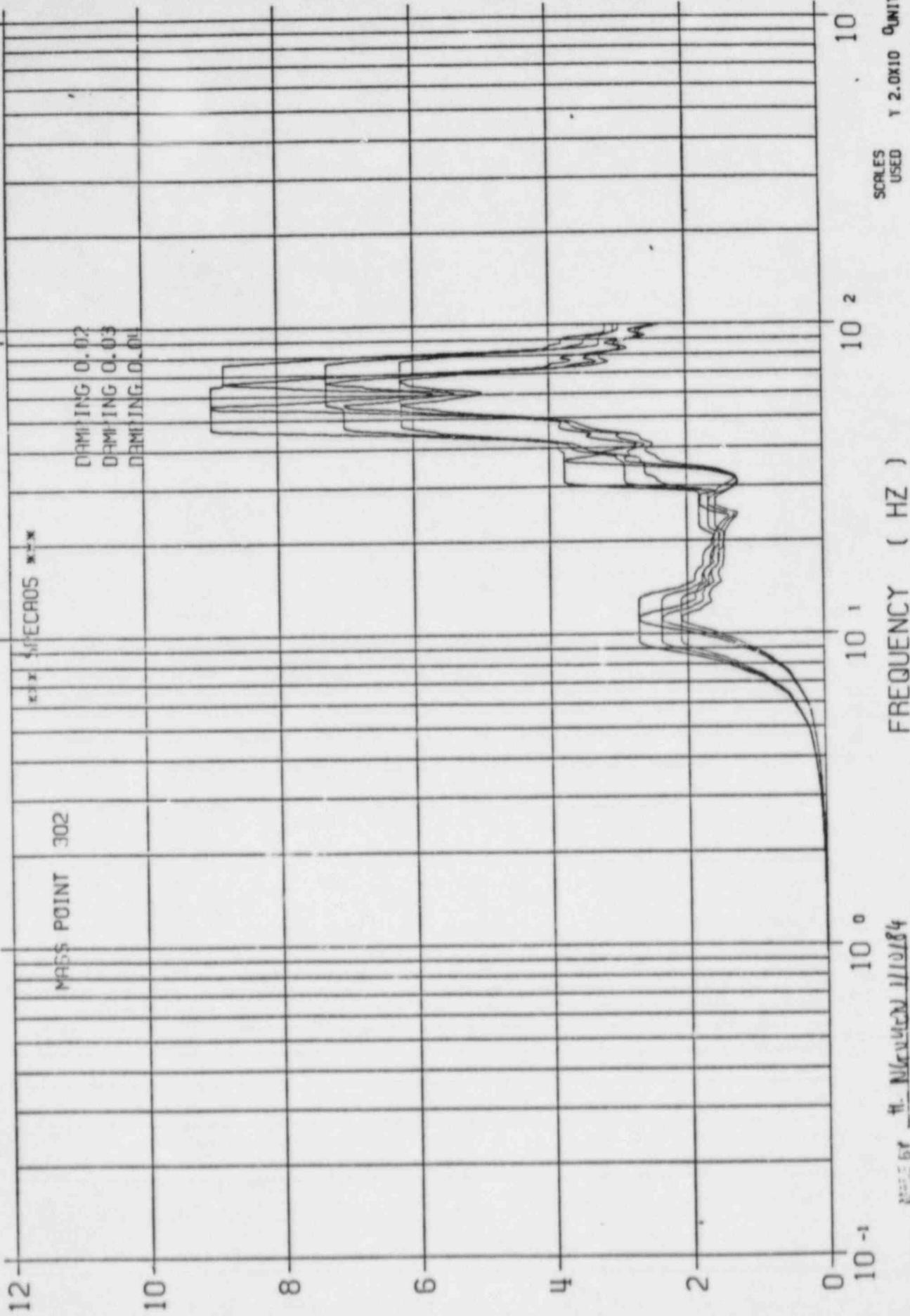
JANUARY 06, 1984



MADE BY M. NIKUMEN 1/10/84
VERIFIED BY N. Yeh 1/11/84

JANUARY 06, 1984

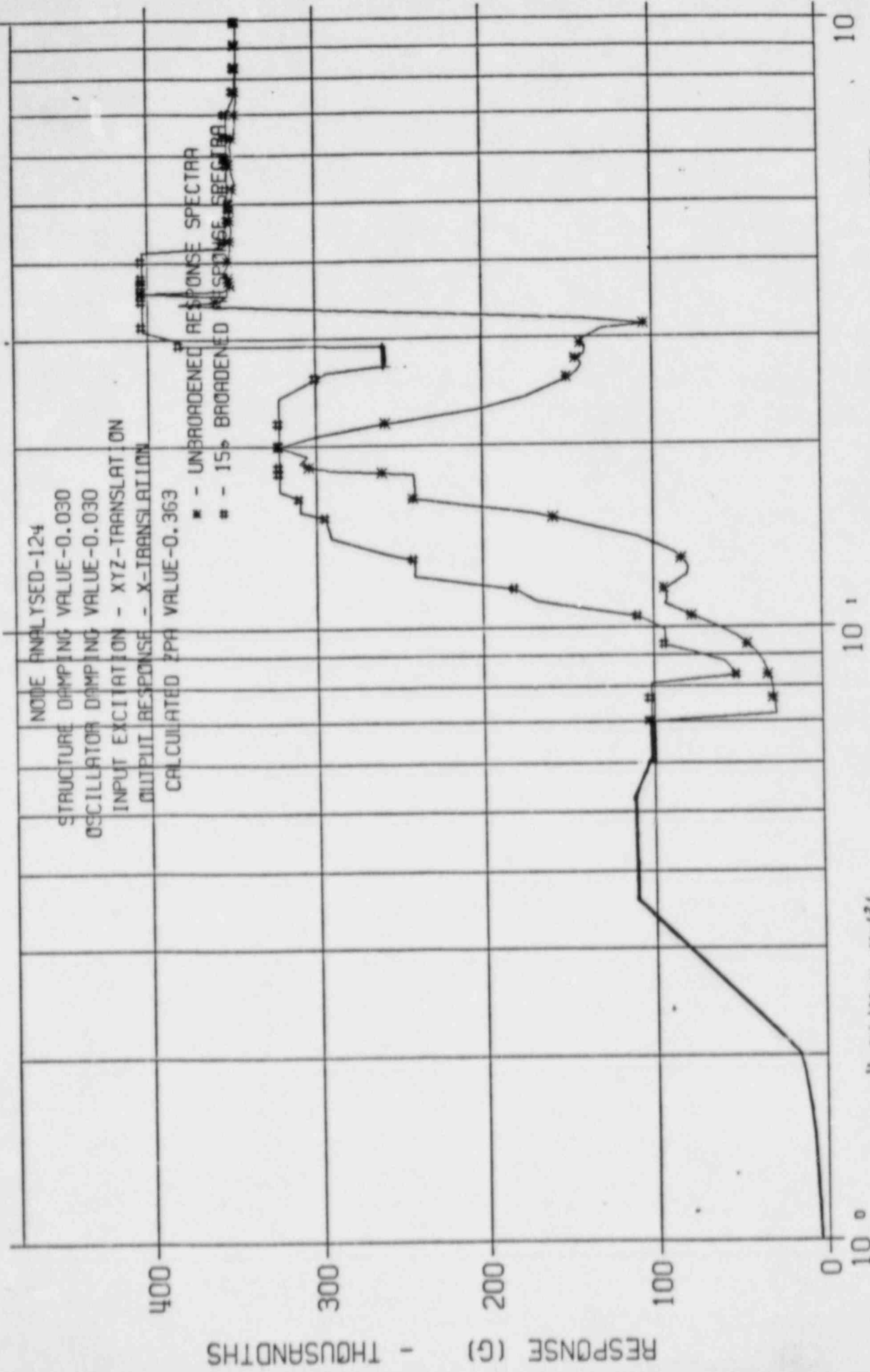
SRV HORIZONTAL Z ACC RESPONSE SPECTRA RV1



MADE BY AL. MURPHY 1110184
 REVIEWED BY N. Yeh 1111184

SRV. TOTAL RESPONSE SPECTRA (LOCAL)

JANUARY 06, 1984



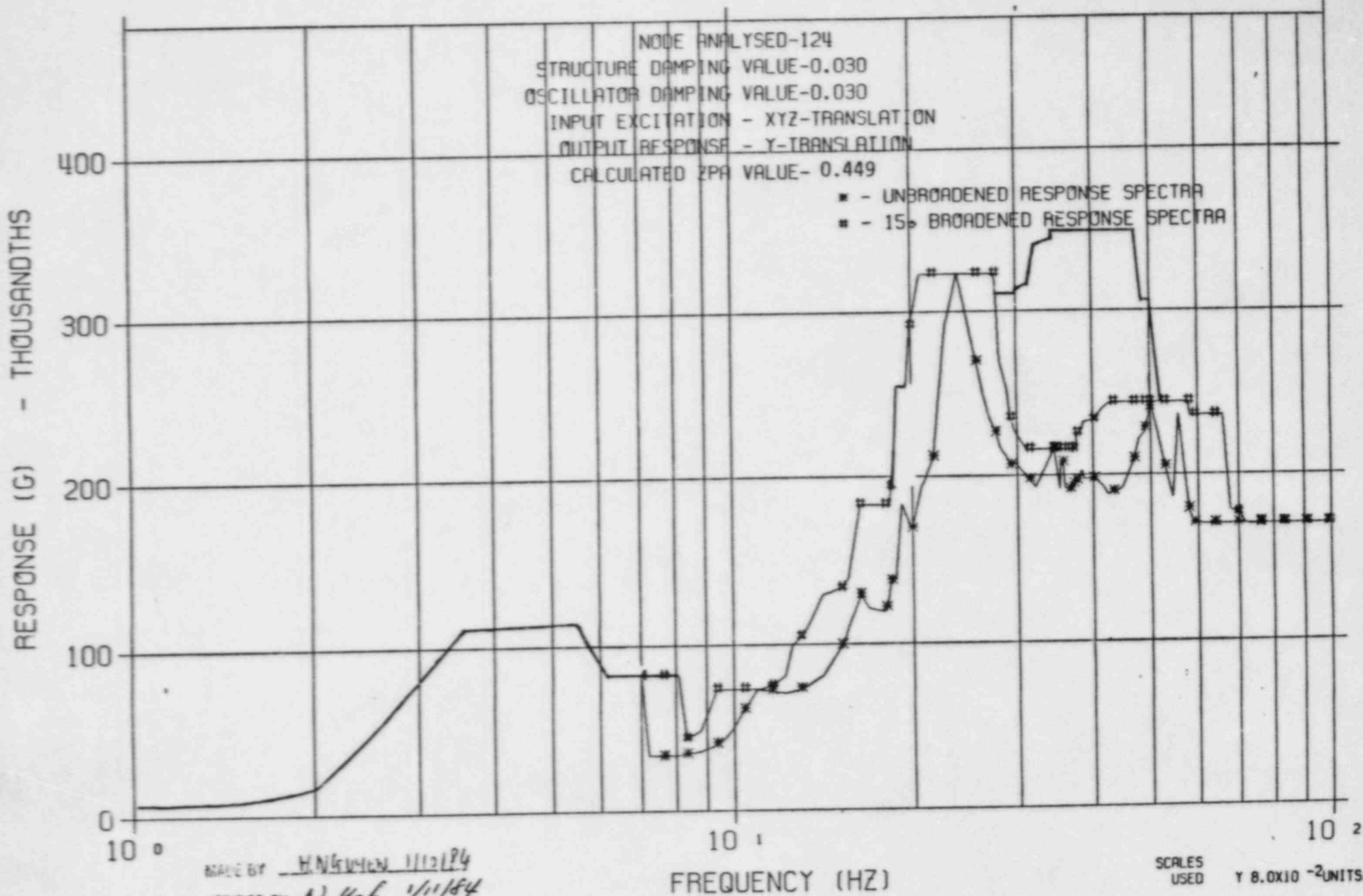
22.1.87 H. N. V. 11/10/84
 CHECKED BY N. G. 1/11/87

SRV - TOTAL RESPONSE SPECTRA (LOCA1)

JANUARY 06, 1984

NODE ANALYSED-124
 STRUCTURE DAMPING VALUE-0.030
 OSCILLATOR DAMPING VALUE-0.030
 INPUT EXCITATION - XYZ-TRANSLATION
 OUTPUT RESPONSE - Y-TRANSLATION
 CALCULATED ZPA VALUE- 0.449

* - UNBROADENED RESPONSE SPECTRA
 * - 15% BROADENED RESPONSE SPECTRA

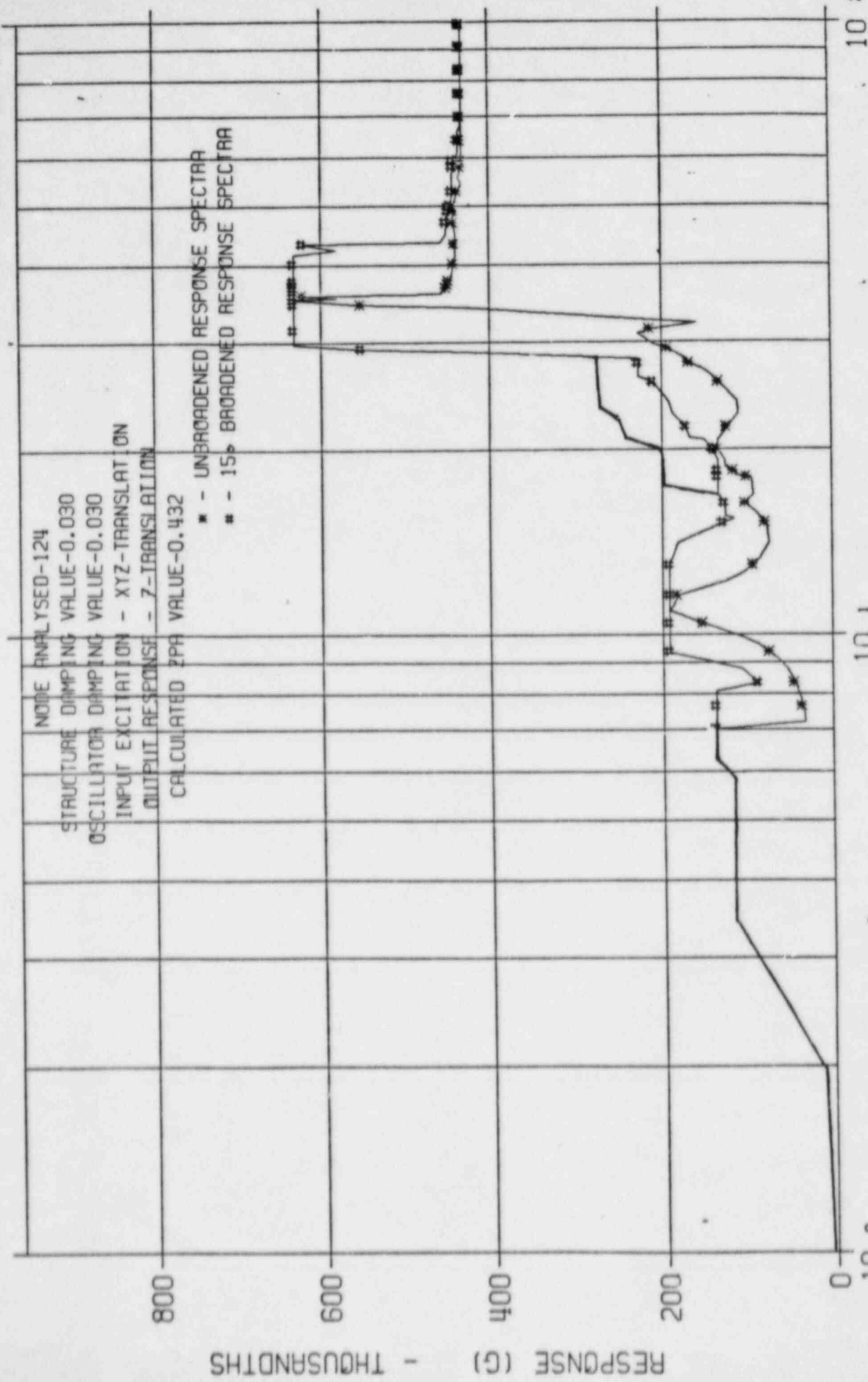


MADE BY H. N. G. M. W. 1/12/84
 VERIFIED BY N. Yeh 1/11/84

SCALES USED Y 8.0x10⁻² UNITS/11

SRV - TOTAL RESPONSE SPECTRA (LOCAL)

JANUARY 06, 1984



NOISE ANALYSED-124
 STRUCTURE DAMPING VALUE-0.030
 OSCILLATOR DAMPING VALUE-0.030
 INPUT EXCITATION - XYZ-TRANSLATION
 OUTPUT RESPONSE - Z-TRANSLATION
 CALCULATED ZPA VALUE-0.432

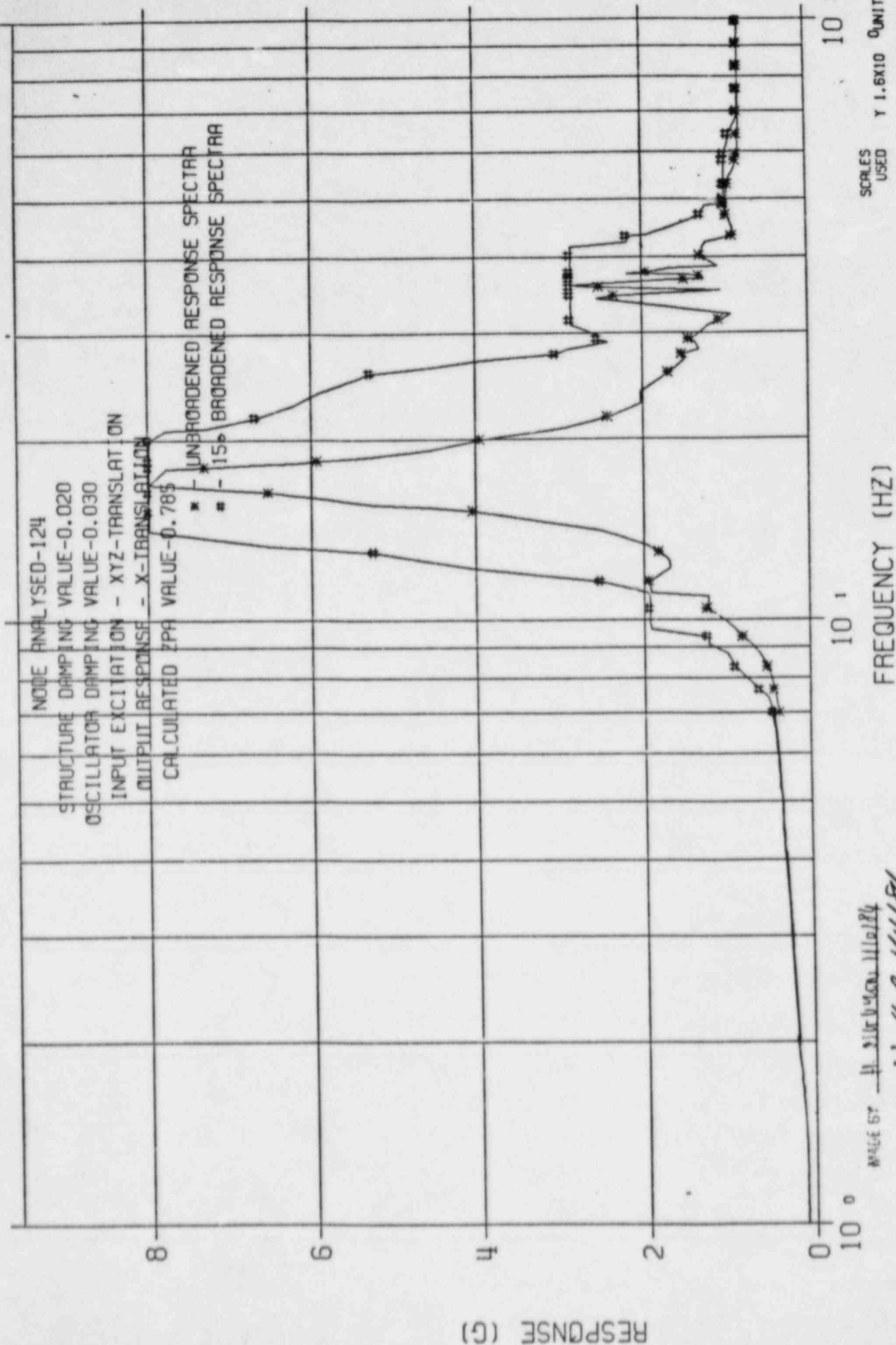
* - UNBROADENED RESPONSE SPECTRA
 # - 15% BROADENED RESPONSE SPECTRA

MADE BY H. MURPHY 1/15/84
 VERIFIED BY M. Yeh 1/11/84

SCALES USED Y 1.6X10⁻⁴ UNITS/IN

JANUARY 06, 1984

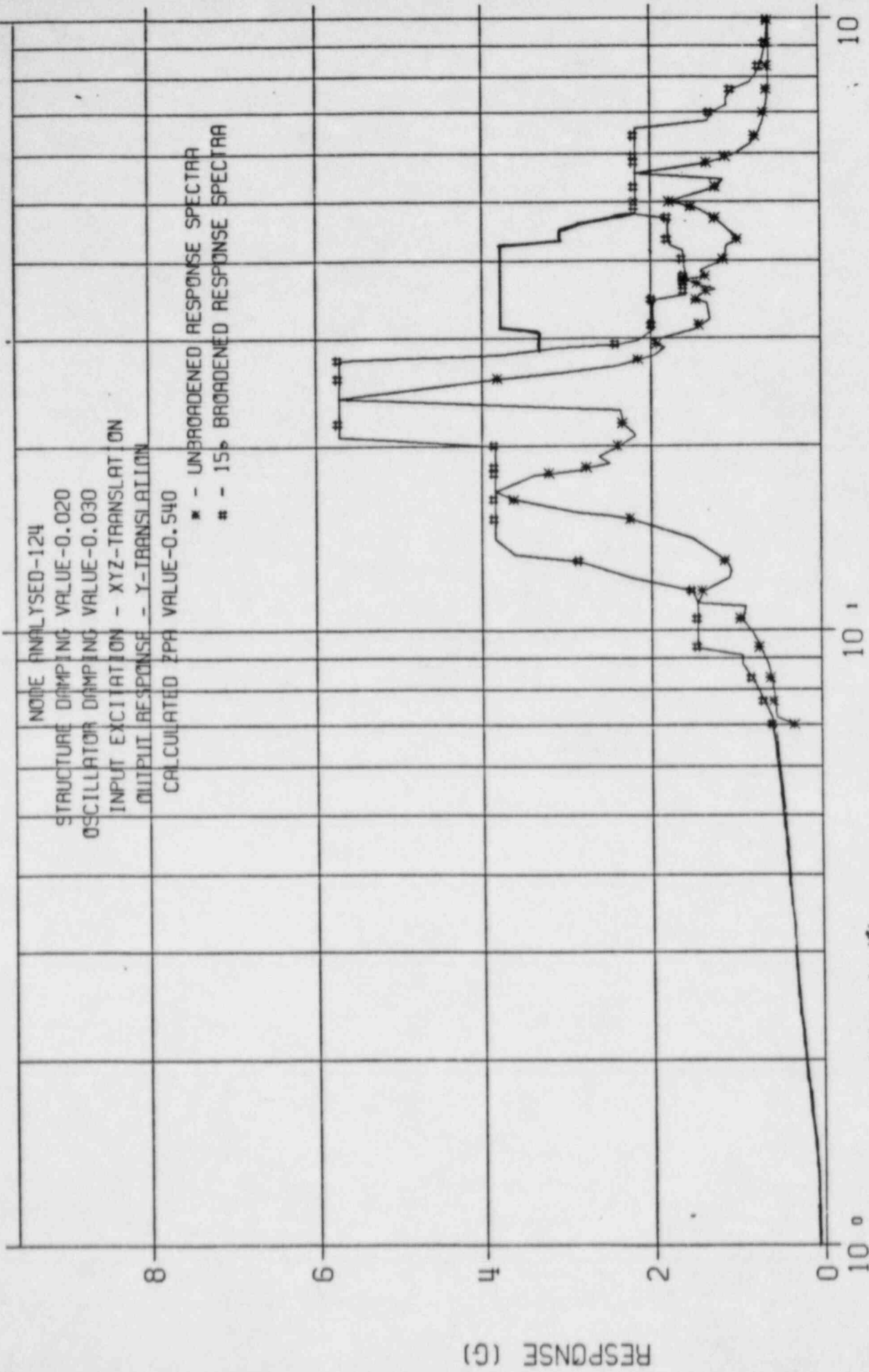
SRV - TOTAL RESPONSE SPECTRA (SRVALL)



MADE BY H. NIKUMORI 11/11/84
 CHECKED BY N. Yeh 11/11/84

SRV - TOTAL RESPONSE SPECTRA (SRVALL)

JANUARY 06, 1984



MADE BY AL NGV/120 1/10/84
 VERIFIED BY N. Yeh 1/11/84

FREQUENCY (HZ)

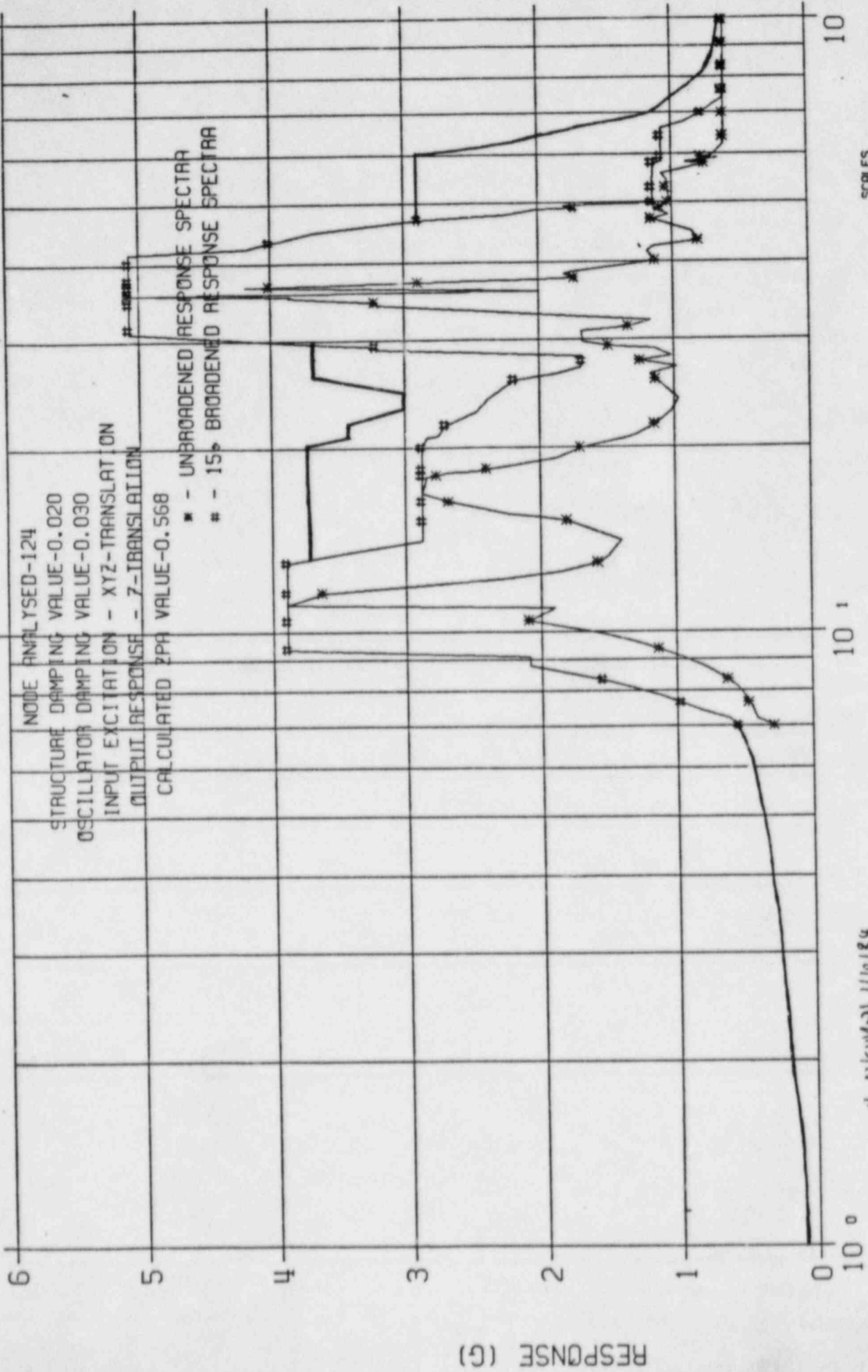
SCALES USED

Y 1.6X10⁰ UNITS/IN

RESPONSE (G)

SRV - TOTAL RESPONSE SPECTRA (SRVALL)

JANUARY 06, 1984

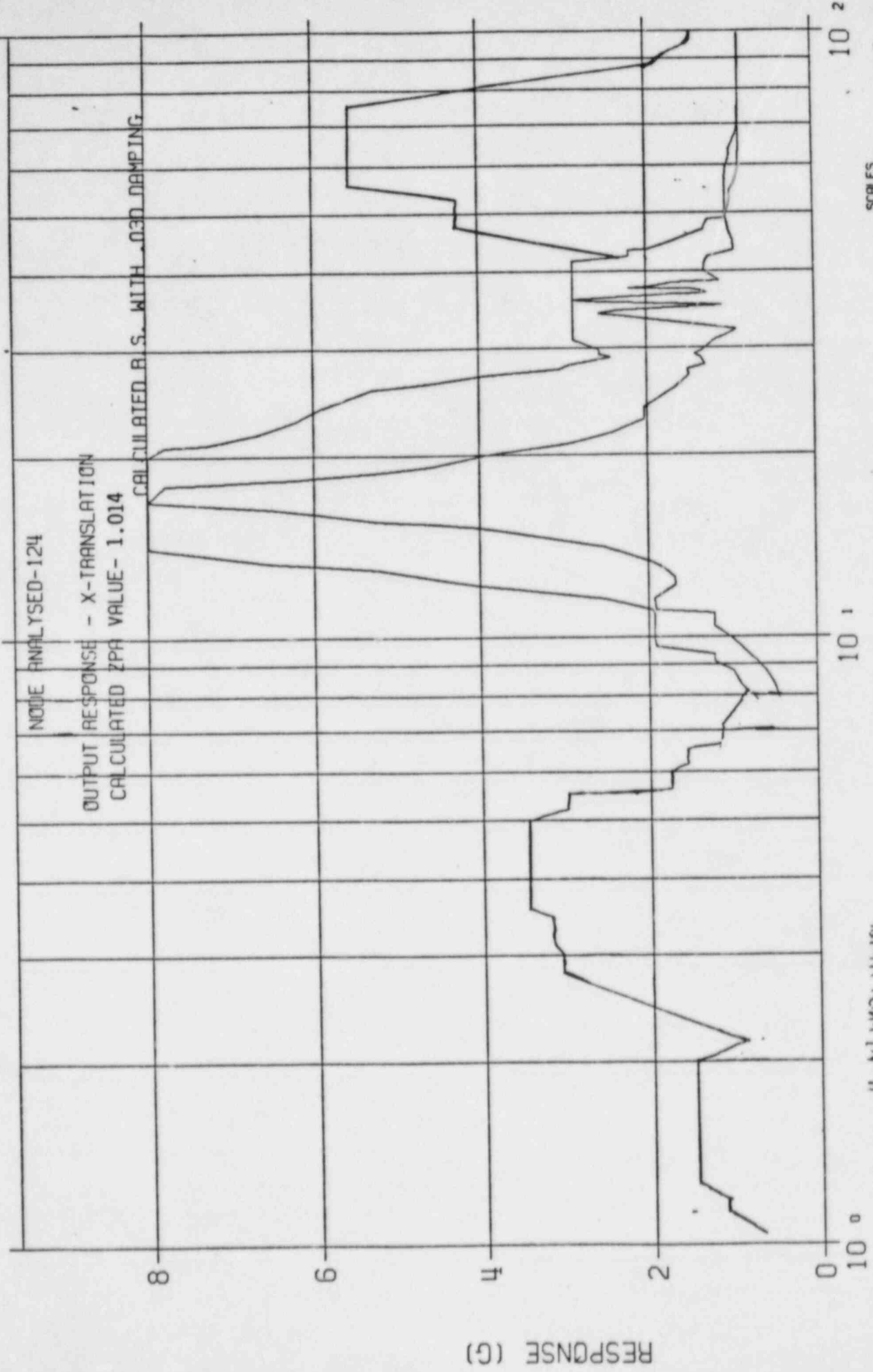


SCALES USED Y 1.0X10 UNITS/IN

DRAWN BY: H. J. KUMAR 11/10/84
 CHECKED BY: N. York 1/11/84

SRV - ENVELOPED AND COMBINED RESPONSE SPECTRA FOR LEVEL B & C

JANUARY 06, 1984

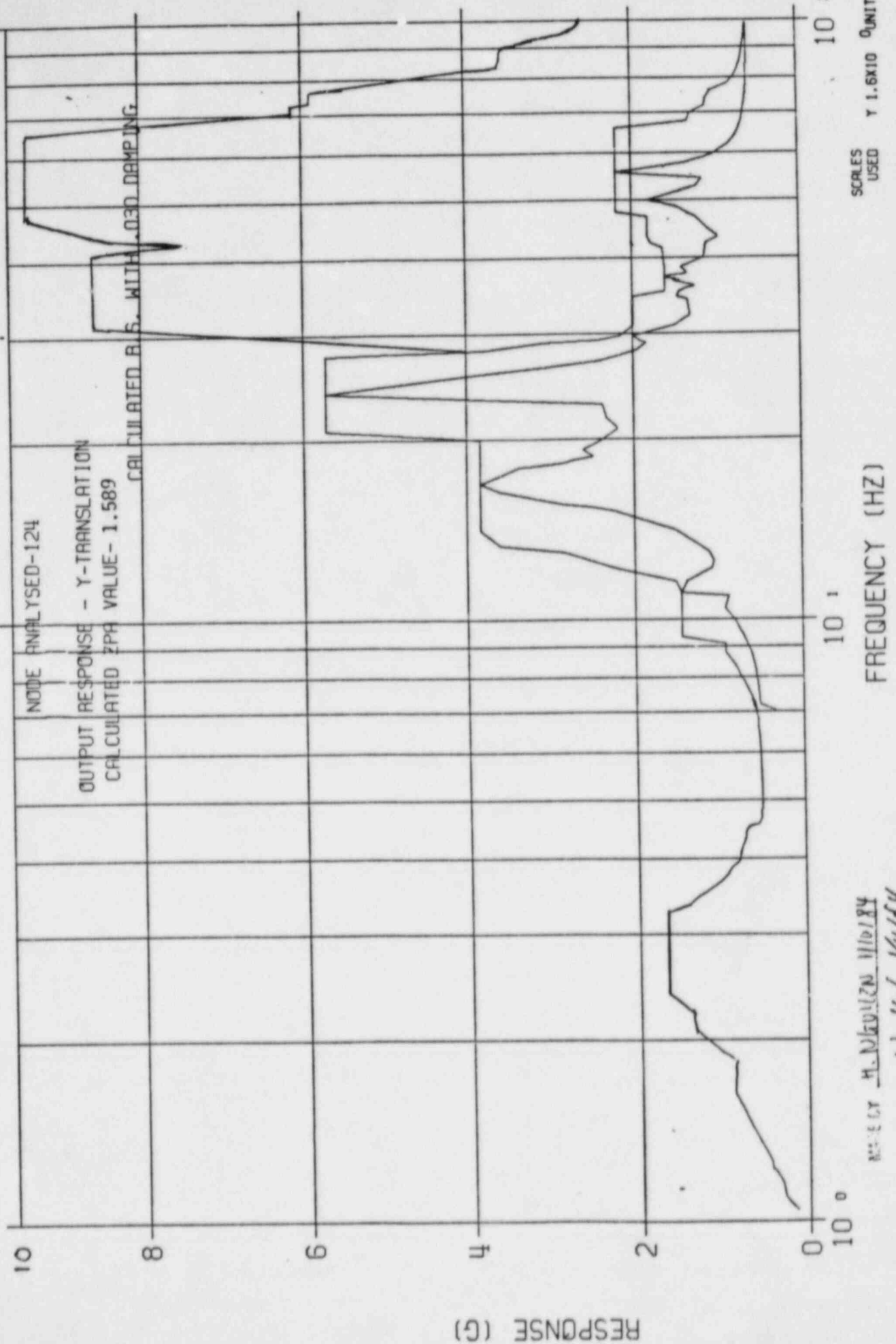


MADE BY H. MURPHY 1/10/84
CHECKED BY N. Yeh 1/11/84

SCALES USED 1.6X10⁰ UNITS/IN

SPV - ENVELOPED AND COMBINED RESPONSE SPECTRA FOR LEVEL B & C.

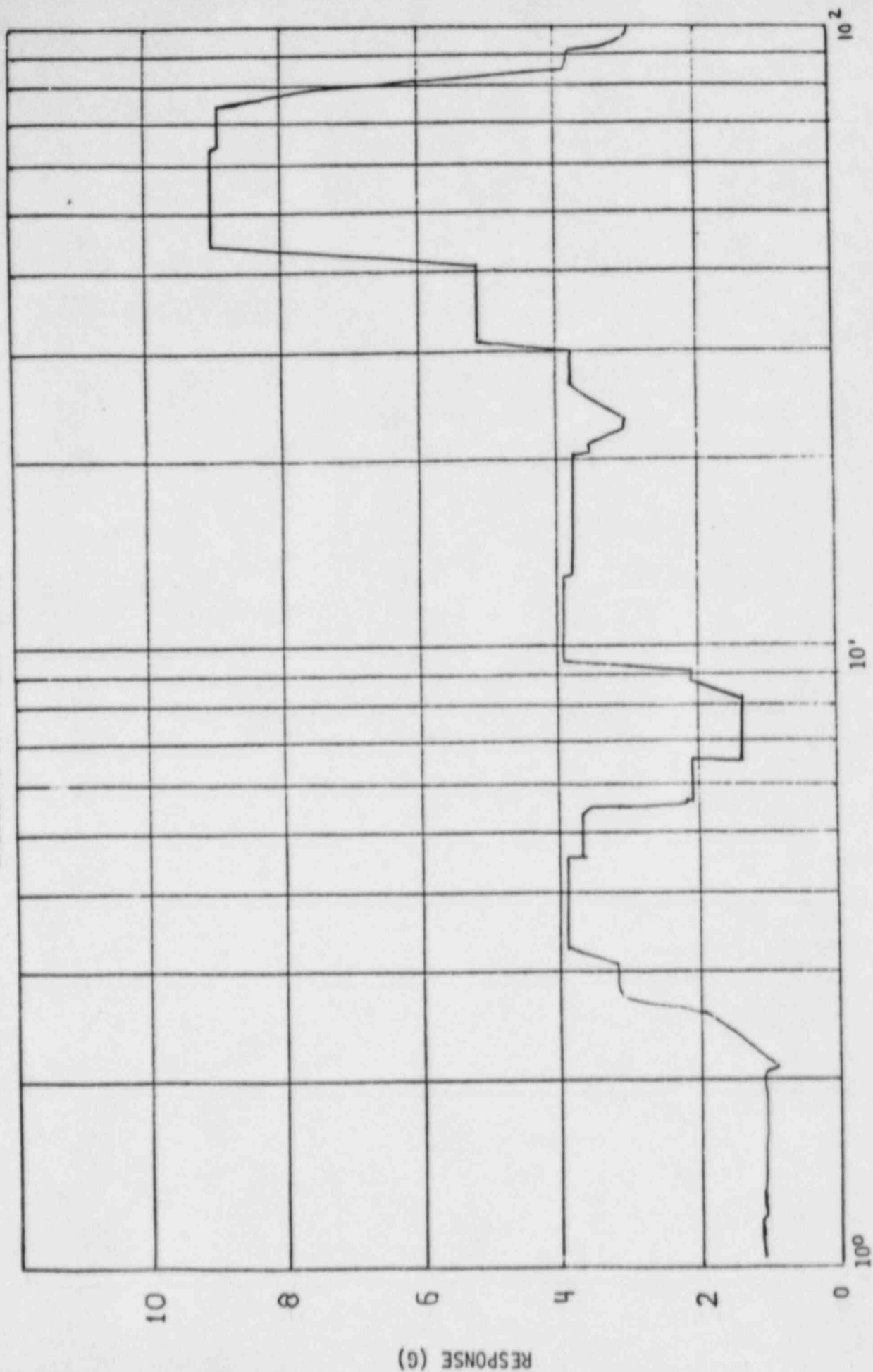
JANUARY 06, 1984



MADE BY M. M. GUNZIN 11/10/84
VERIFIED BY N. Yeh 1/11/84

SRV - ENVELOPED AND COMBINED RESPONSE SPECTRA FOR LEVEL B & C
OUTPUT RESPONSE - Z TRANSLATION WITH 3% DAMPING

CALCULATE ZPA VALUE 1.785

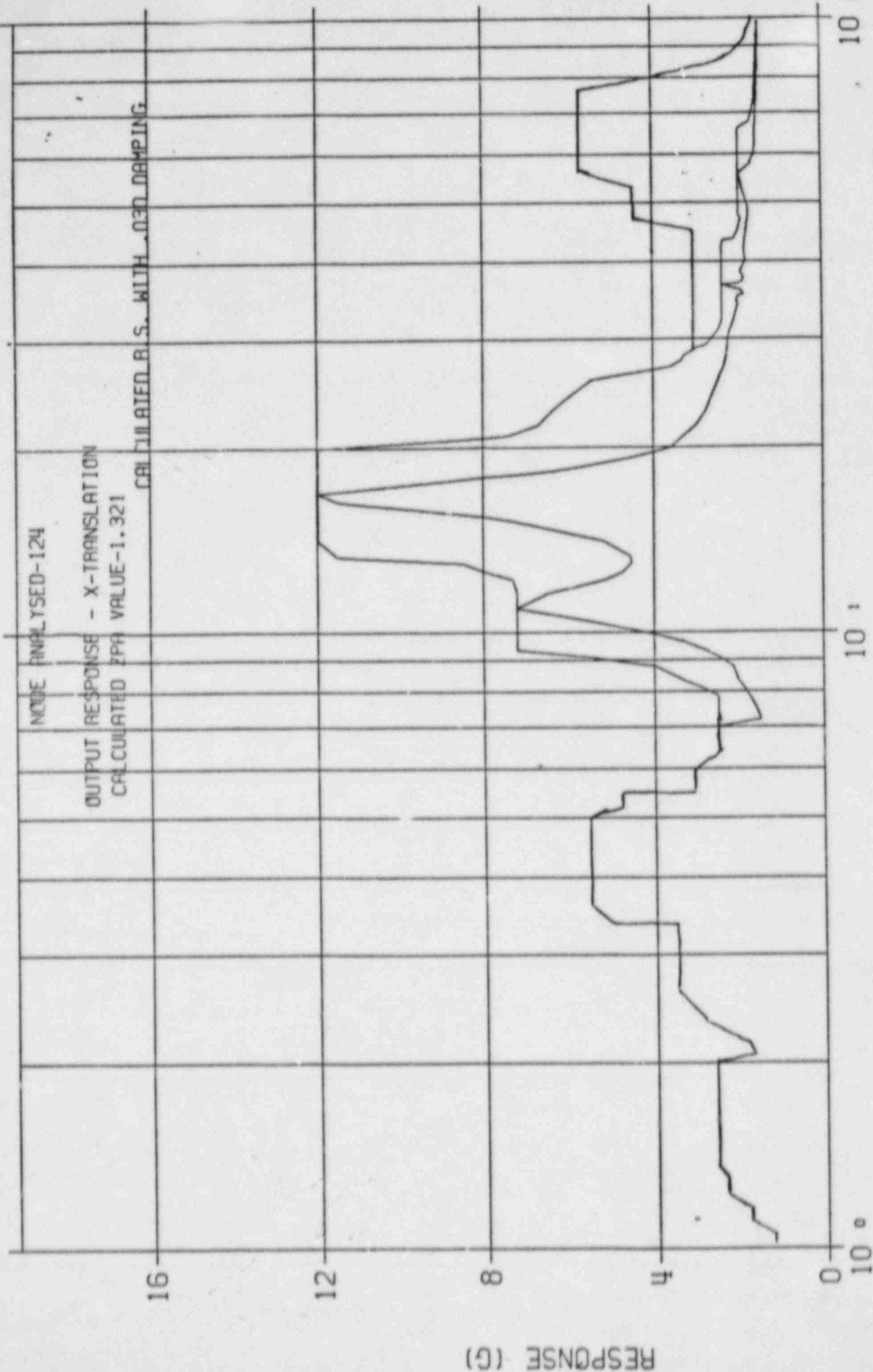


FREQUENCY (HZ)

DATE BY H. M. GUMEN 11/11/14
CHECKED BY A. J. Yeh 1/15/15

SRV ENVELOPED AND COMBINED RESPONSE SPECTRA FOR LEVEL D

JANUARY 06, 1984



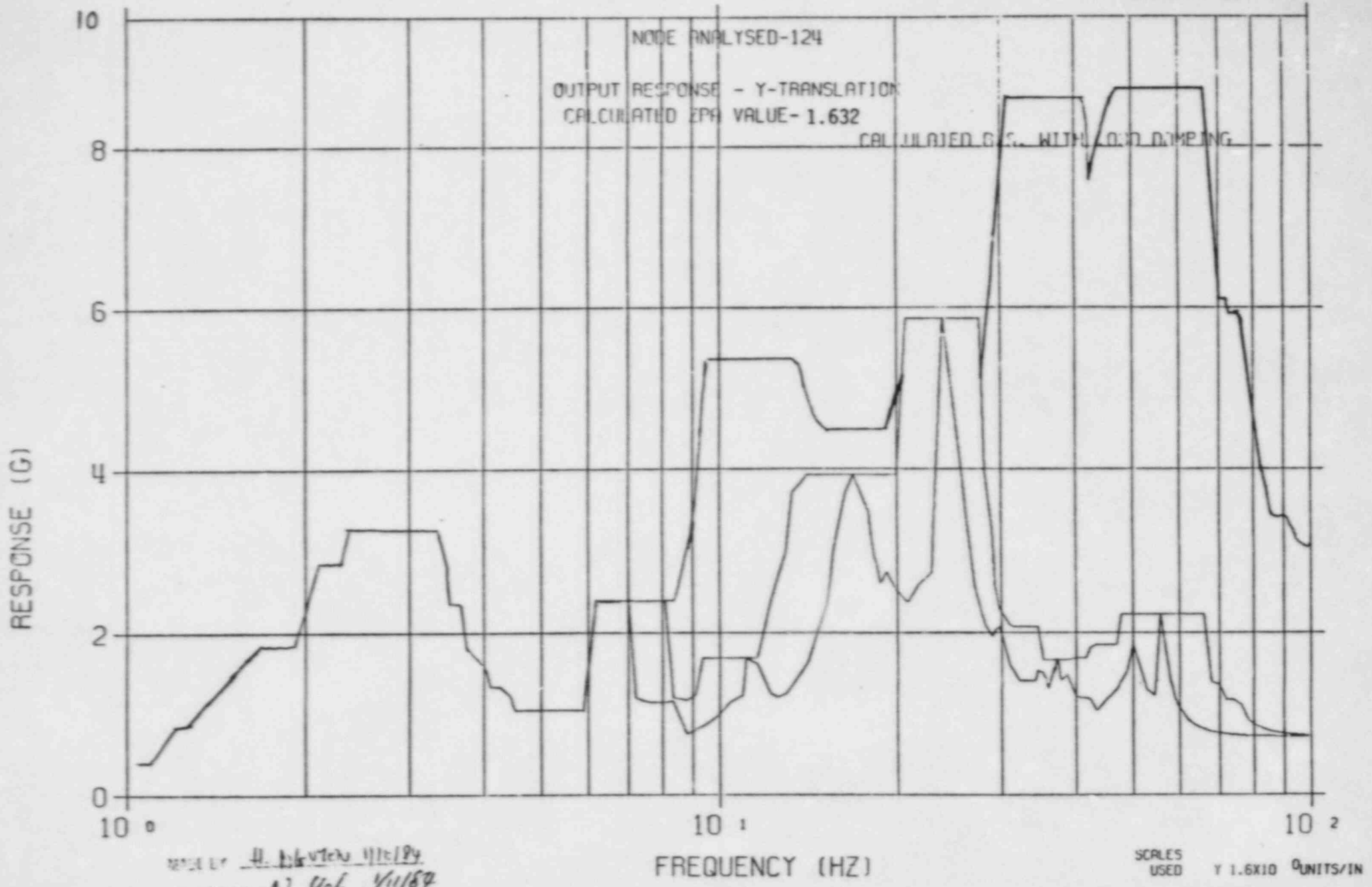
SCALES USED Y 3.2X10 UNITS/IN

FREQUENCY (HZ)

MADE BY A. M. ...
VERIFIED BY M. ... 1/11/84

SRV - ENVELOPED AND COMBINED RESPONSE SPECTRA FOR LEVEL D

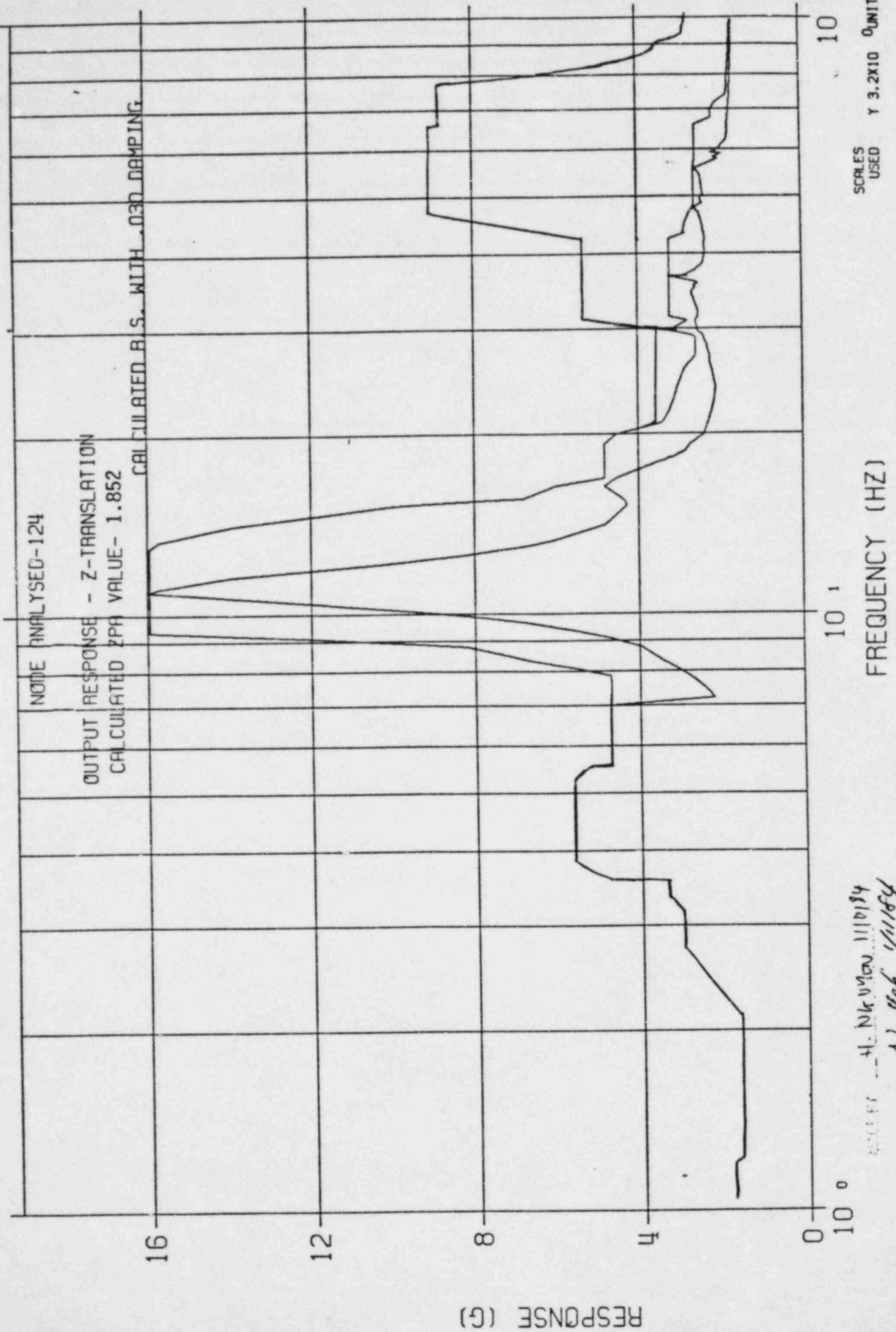
JANUARY 06, 1964



MODE BY H. K. W. 1/11/64
CHECKED BY N. Yoh 1/11/64

SRV - ENVELOPED AND COMBINED RESPONSE SPECTRA FOR LEVEL D

JANUARY 06, 1984



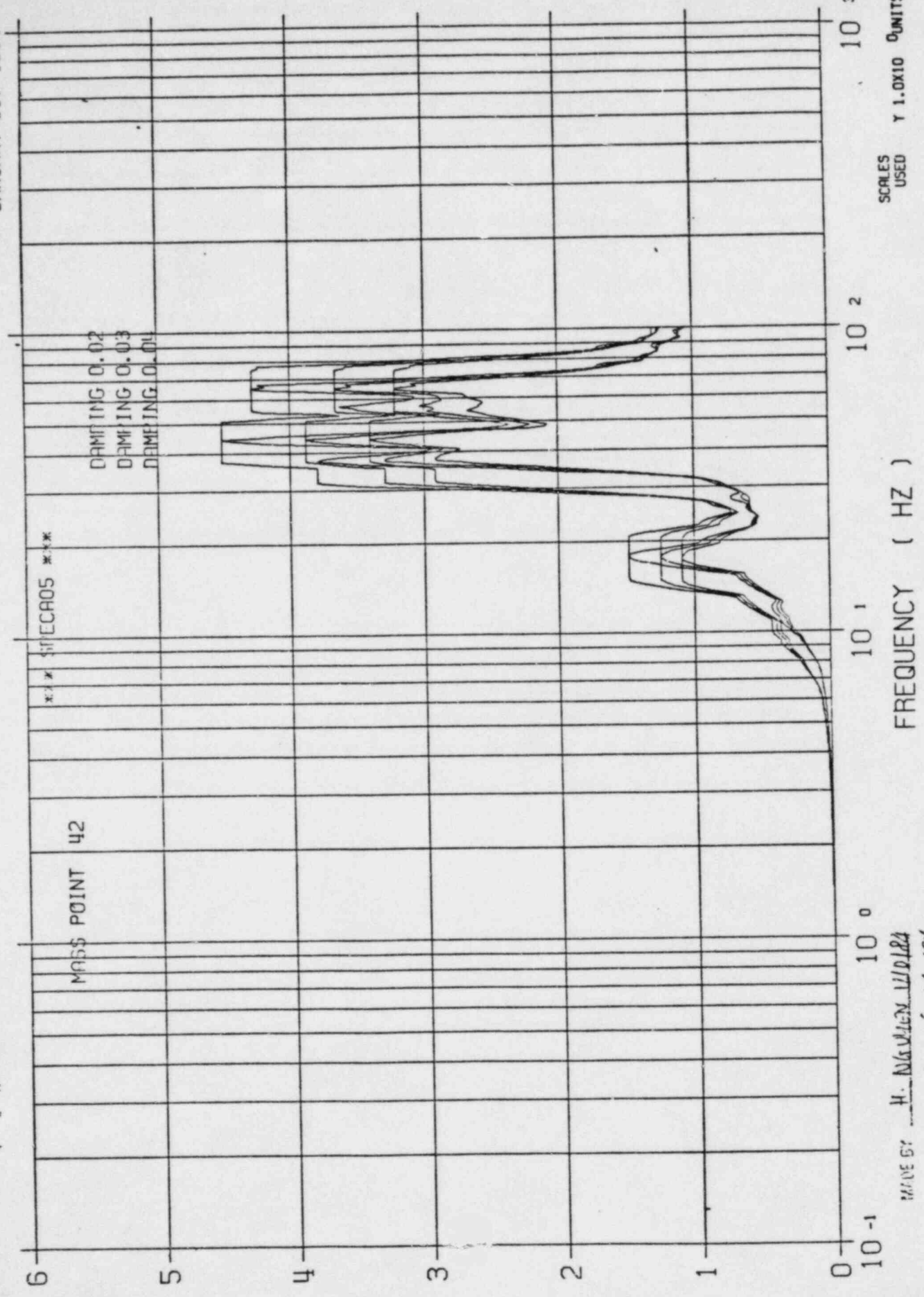
PL 15

11/11/84

1/11/84

JANUARY 06, 1984

MSIV HORIZONTAL X ACC RESPONSE SPECTRA RV1



DAMPING 0.02
 DAMPING 0.03
 DAMPING 0.04

MASS POINT 42

*** SITECA05 ***

SCALES USED

Y 1.0X10 G UNITS/IN

FREQUENCY (HZ)

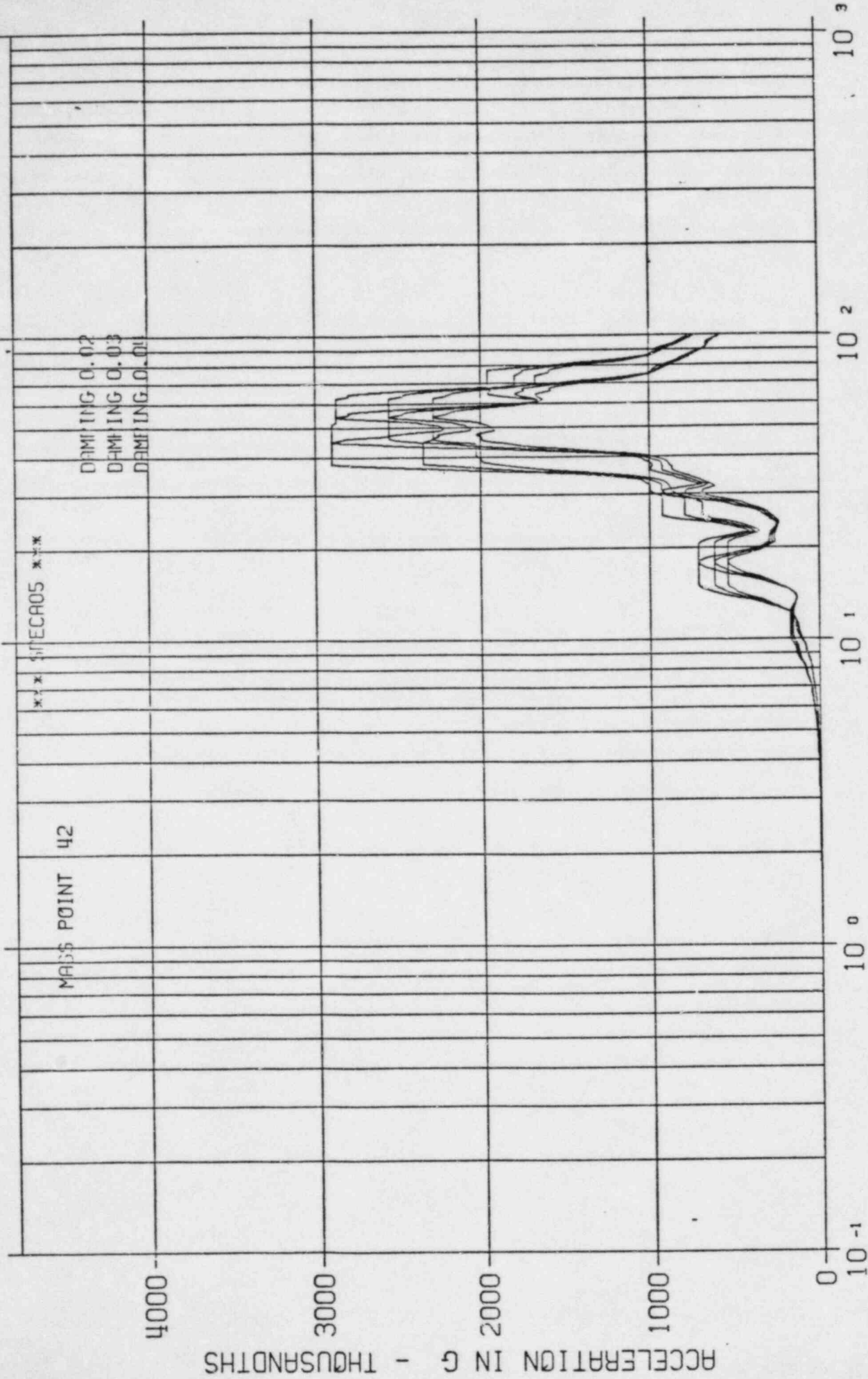
MADE BY H. MANNEN 11/11/84

VERIFIED BY N. Geh 1/6/84

ACCELERATION IN G

MSIV VERTICAL ACC RESPONSE SPECTRA RV1

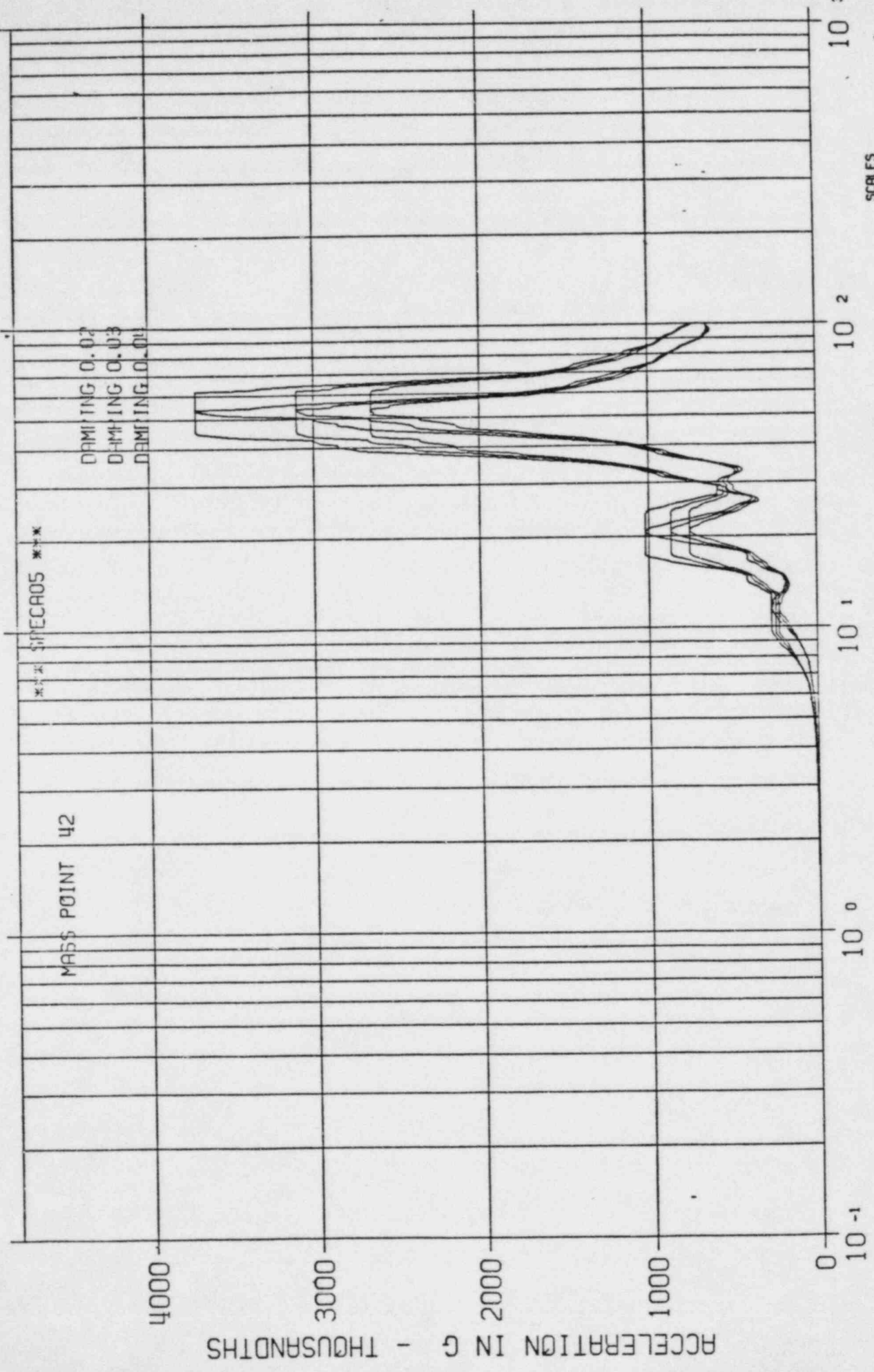
JANUARY 06, 1984



MADE BY H. NGUYEN JUNE 84
 VERIFIED BY N. Yeh 1/10/84

MSIV HORIZONTAL Z ACC RESPONSE SPECTRA RV1

JANUARY 06, 1984

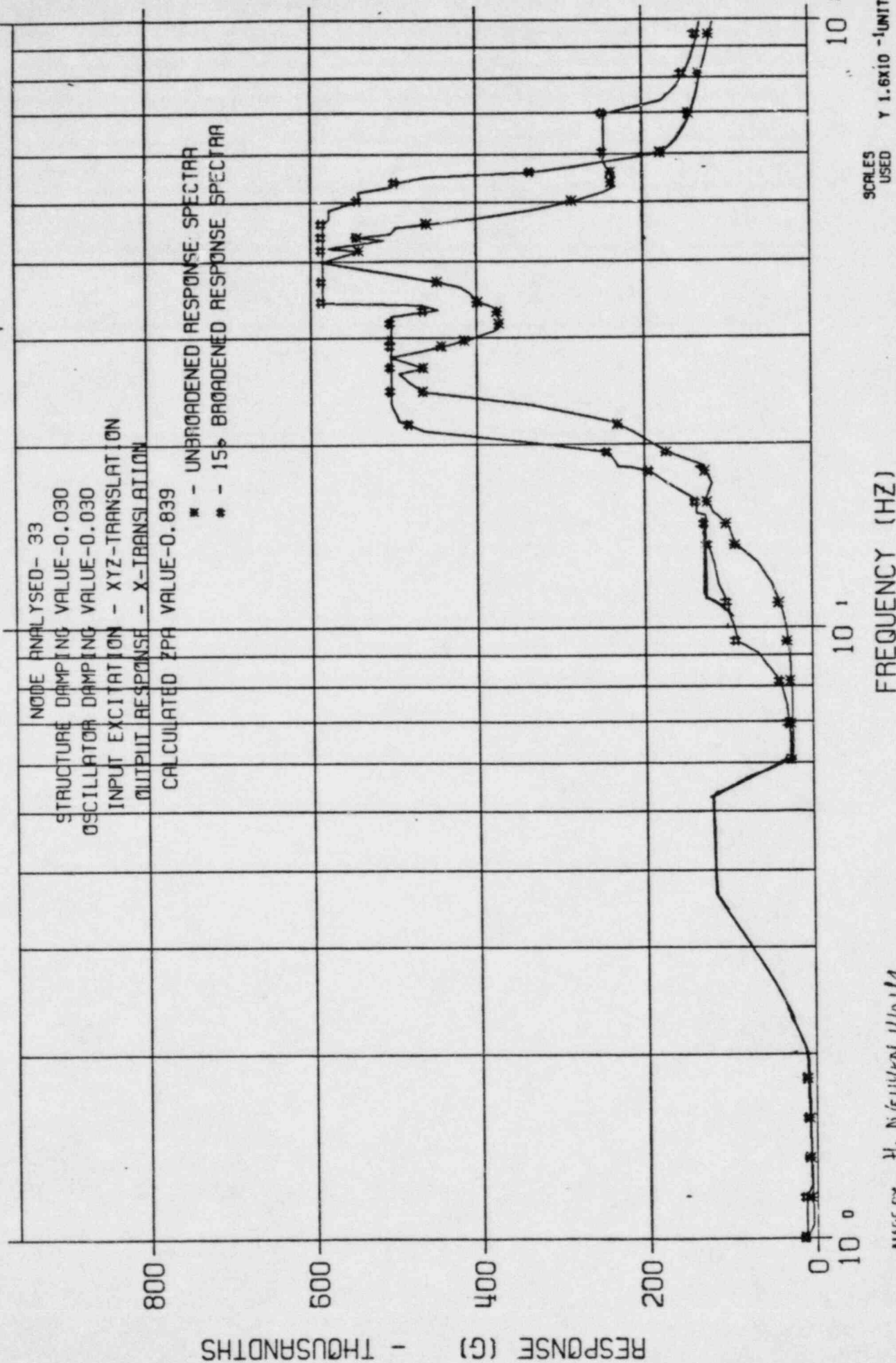


MADE BY H. N. UYEN 1/10/84

VERIFIED BY A. J. GELI 1/10/84

MSIV - TOTAL RESPONSE SPECTRA (LOCAL)

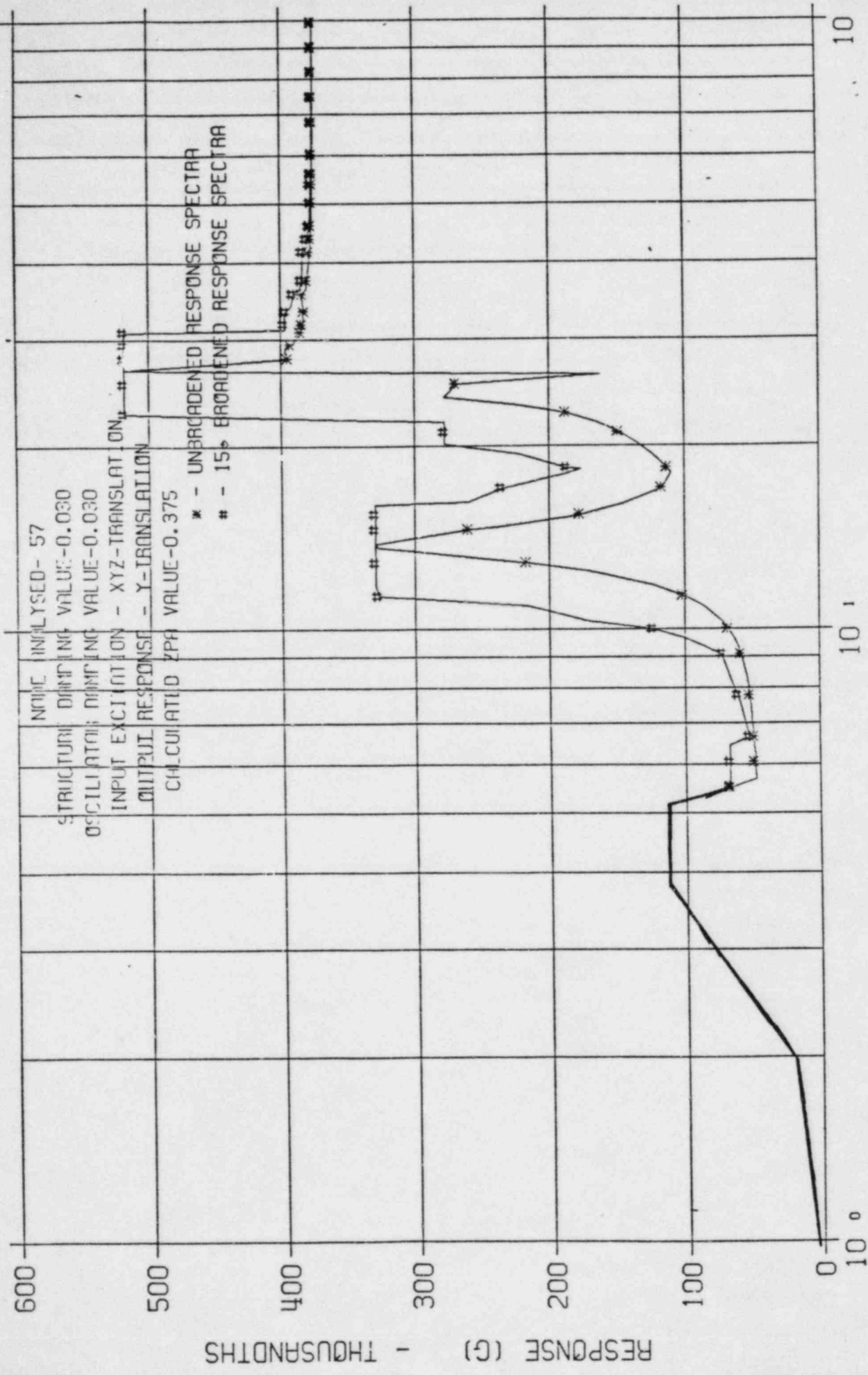
JANUARY 05, 1984



MADE BY H. N. GUYEN 11/10/84
 APPROVED BY 11/10/84

MSIV - TOTAL RESPONSE SPECTRA (LOCAL)

JANUARY 06, 1984



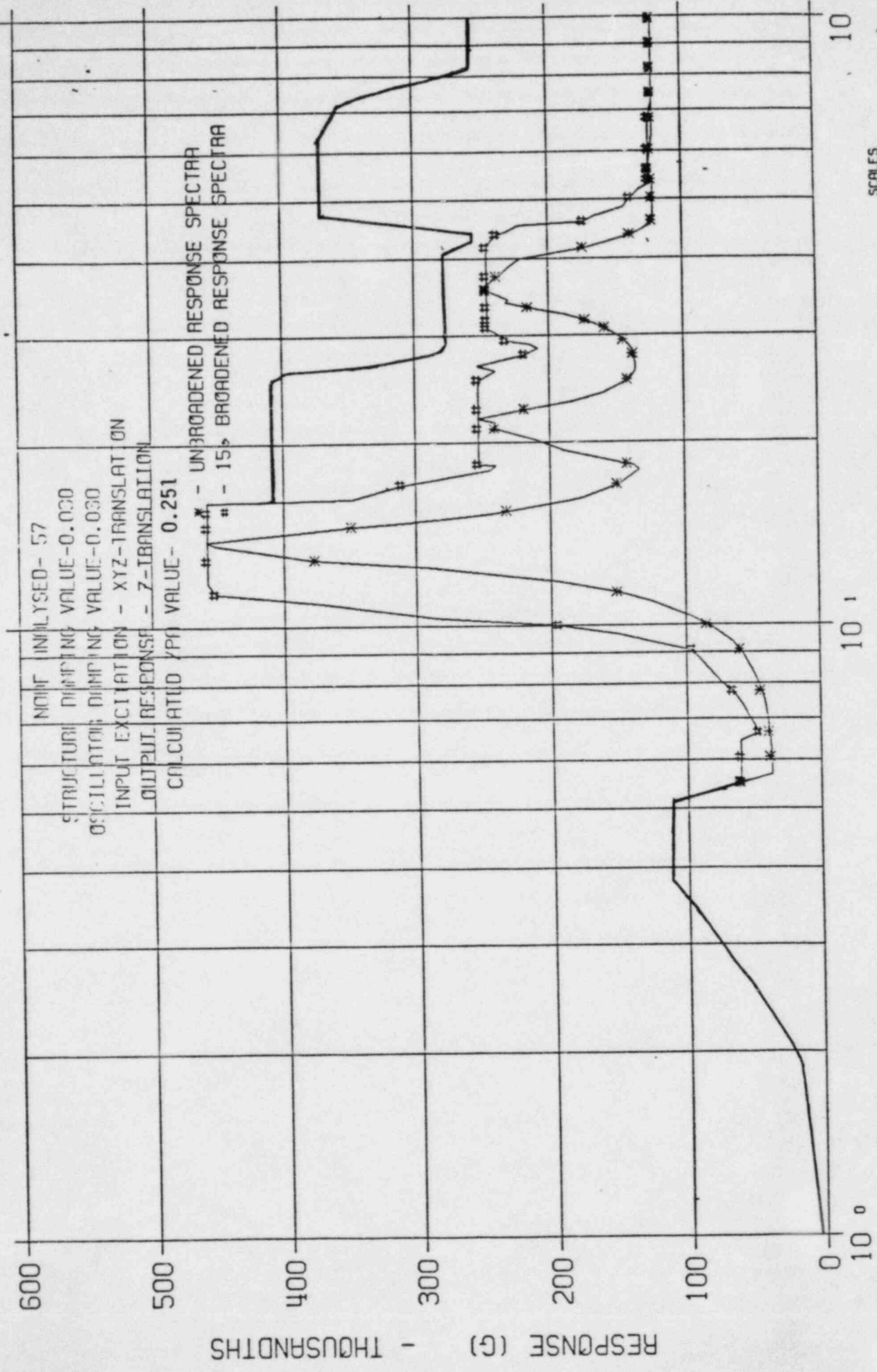
SCALES USED Y 1.0X10⁻¹ UNITS/IN

FREQUENCY (HZ)

MADE BY H. NAKUMEN 11/01/84
 VERIFIED BY N. Yeh 1/10/84

JANUARY 06, 1984

MSIV - TOTAL RESPONSE SPECTRA (LOCAL)



SCALES USED Y 1.0X10⁻¹ UNITS/IN

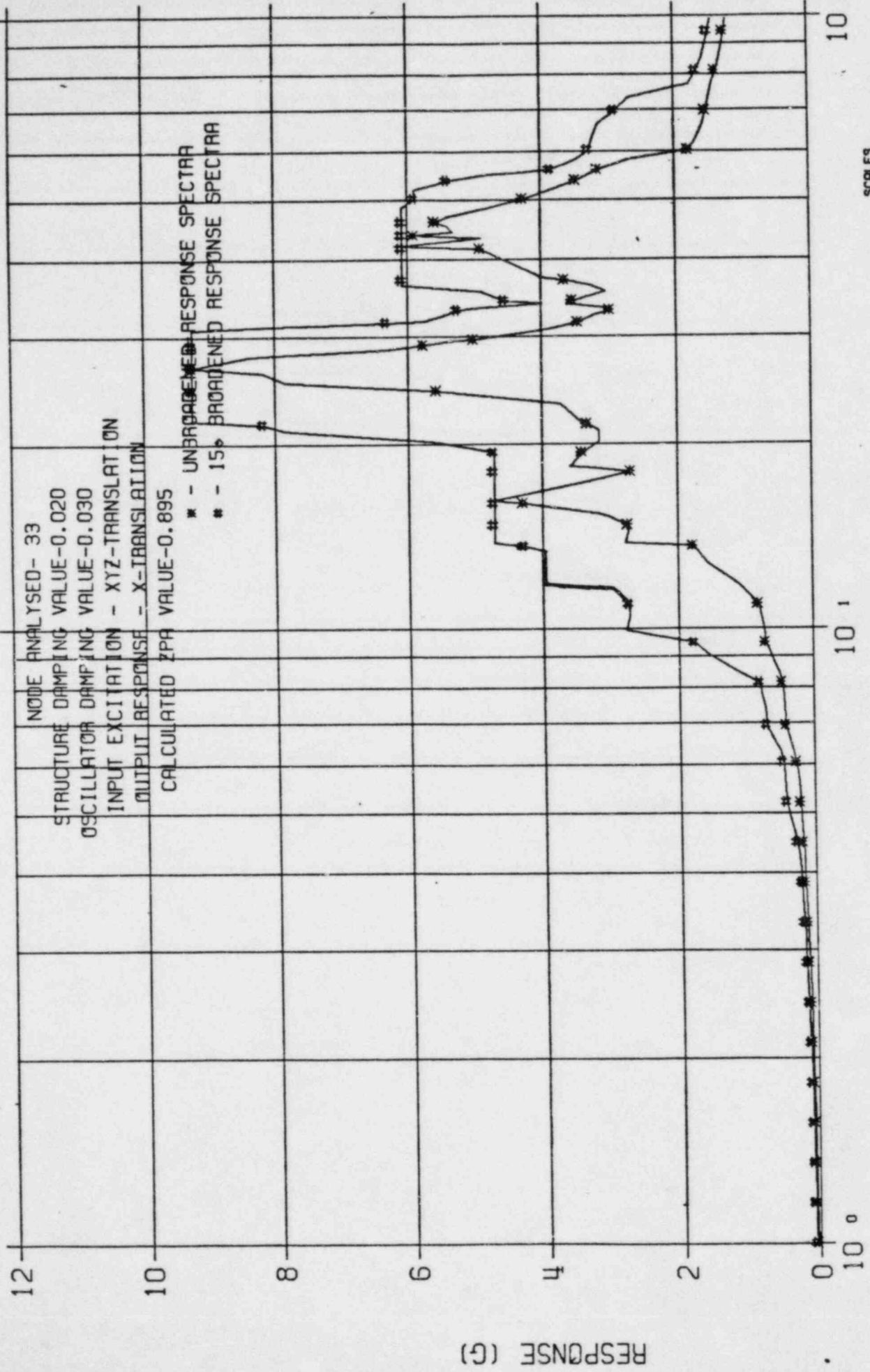
FREQUENCY (HZ)

MADE BY H. NGUYEN 11/10/84

VERIFIED BY N. Yeh 1/10/84

MSIV - TOTAL RESPONSE SPECTRA (SRVALL)

JANUARY 05, 1984



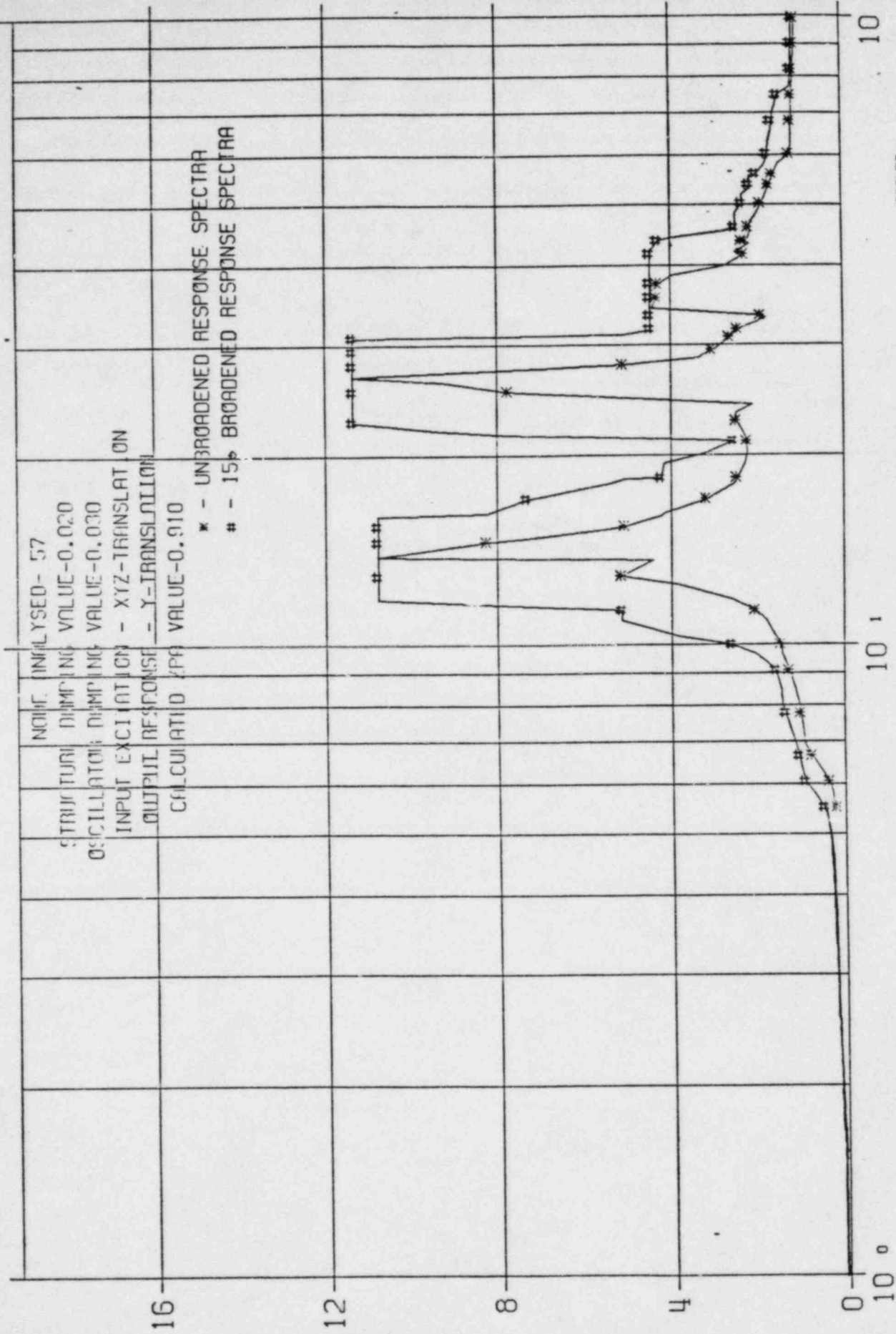
SCALES USED Y 2.0X10 UNITS/IN

FREQUENCY (HZ)

MADE BY H. NGUYEN 1/10/84
 VERIFIED BY M. Yeh 1/10/84

NSIV - TOTAL RESPONSE SPECTRA (SRVALL)

JANUARY 06, 1984



SCALES USED

Y 3.2X10⁰ UNITS

10⁰

10¹

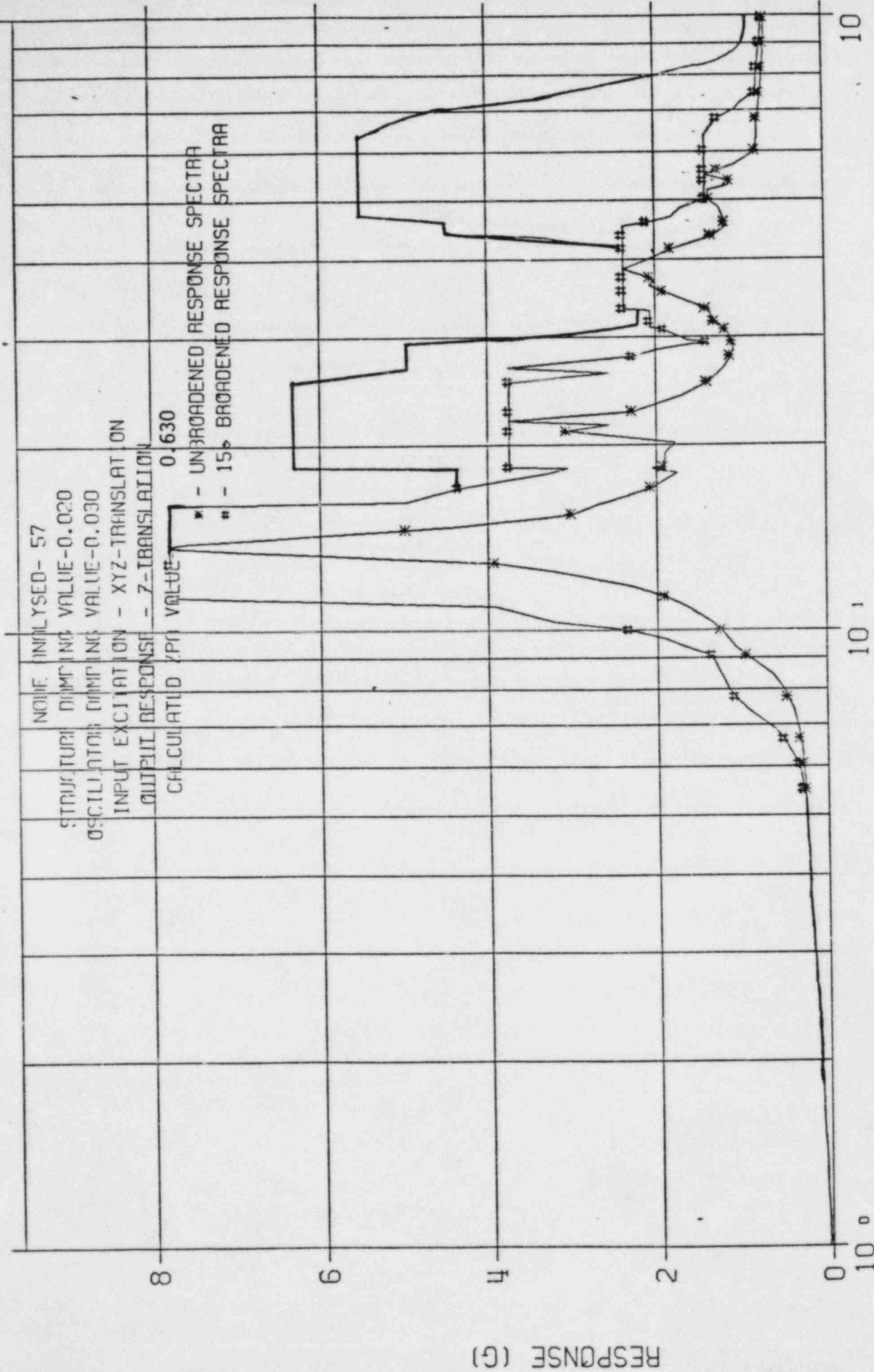
10²

RESPONSE (G)

MADE BY H. NGUYEN 11/01/84
REVIEWED BY N. Yeh 1/01/84

JANUARY 06, 1984

MSIV - TOTAL RESPONSE SPECTRA (SRVALL)



SCALES USED

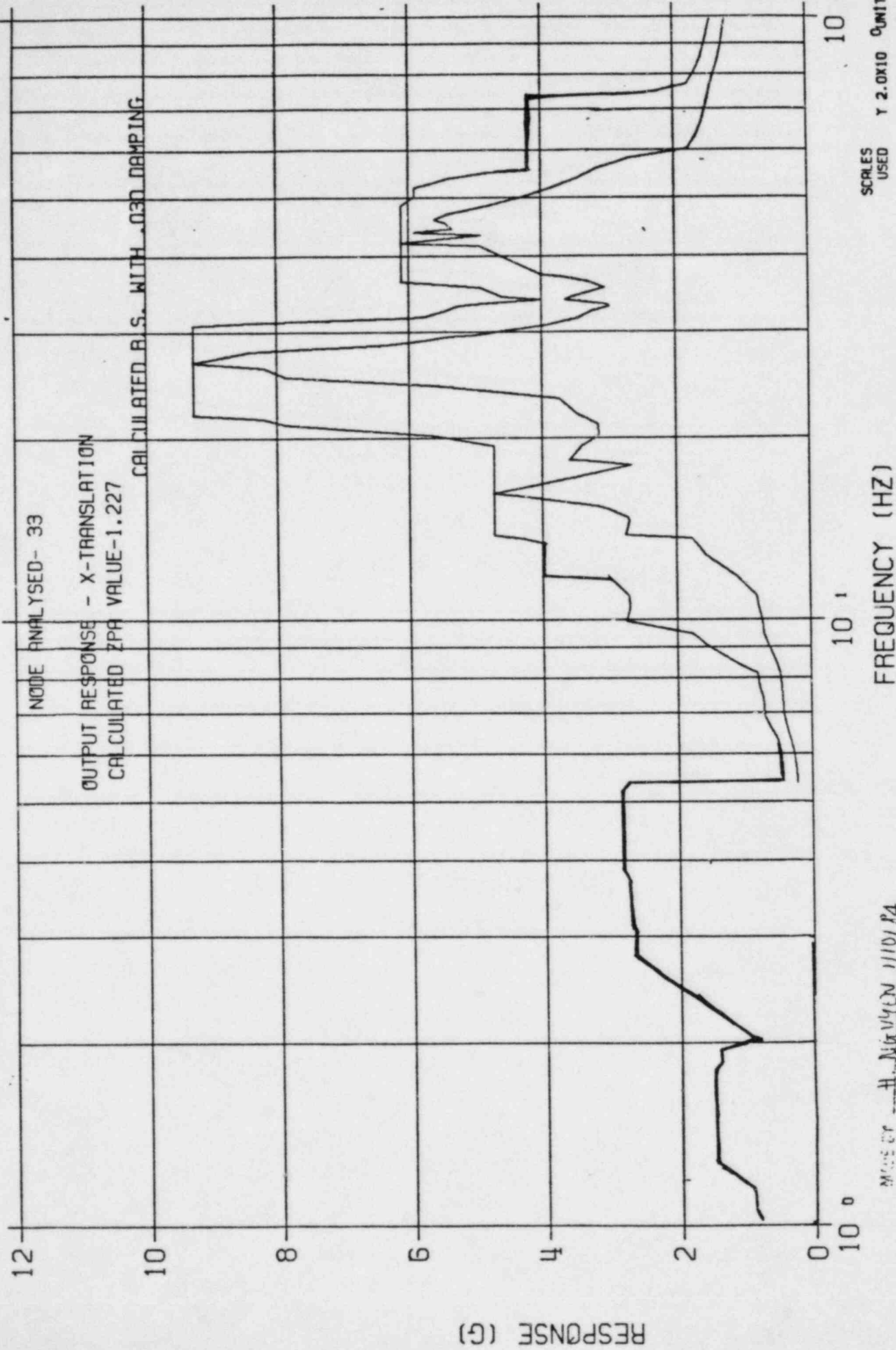
Y 1.6X10⁰ UNITS/IN

FREQUENCY (HZ)

MADE BY H NGUYEN 1/10/84
 VERIFIED BY N. Yeh 1/10/84

MSIV- ENVELOPED AND COMBINED RESPONSE SPECTRA FOR LEVEL B & C

JANUARY 05, 1984

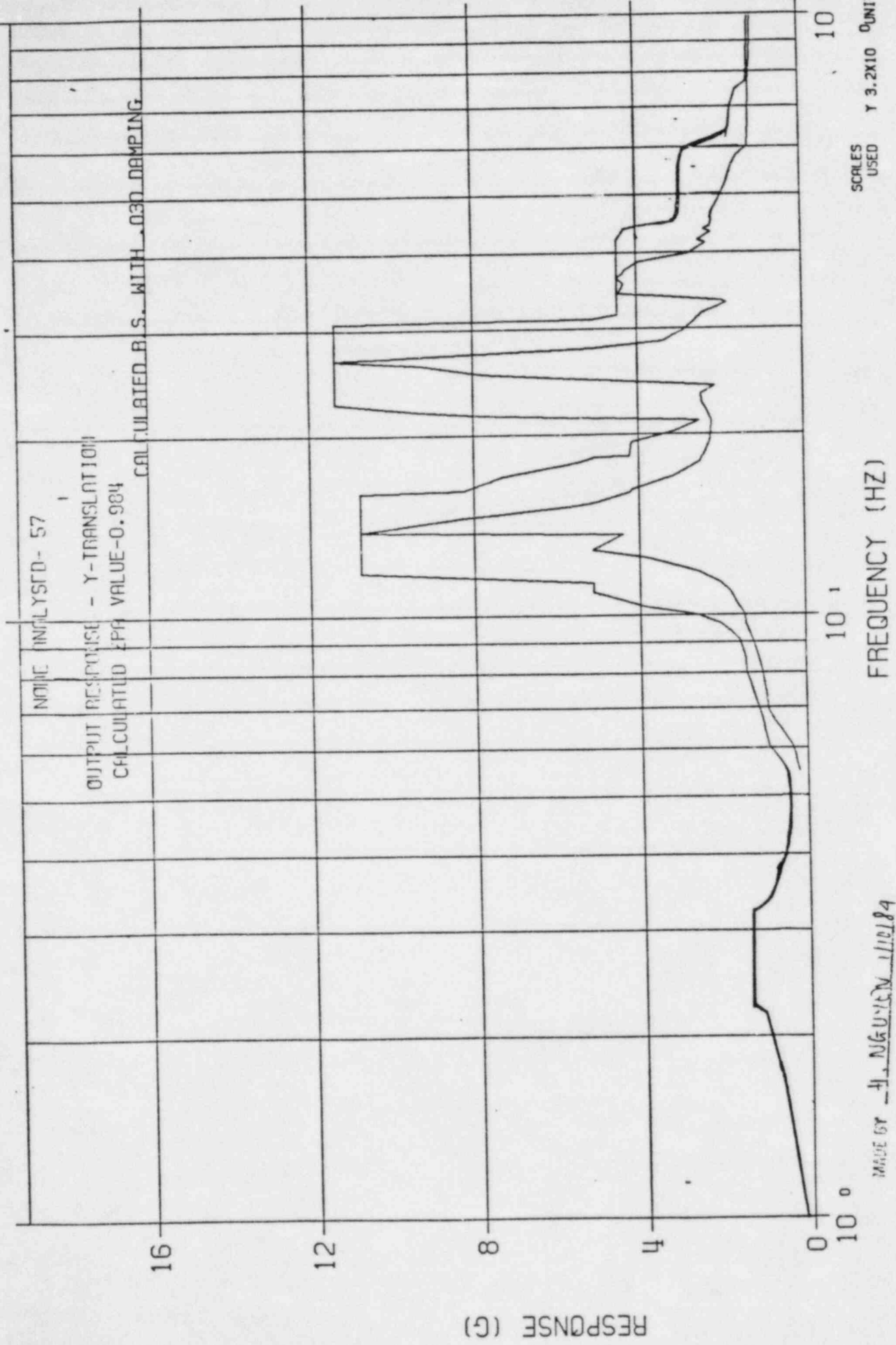


MODE BY H. MURPHY 1/10/84

VERIFIED BY S. Yeh 1/10/84

MSIV - ENVELOPED AND COMBINED RESPONSE SPECTRA FOR LEVEL B & C

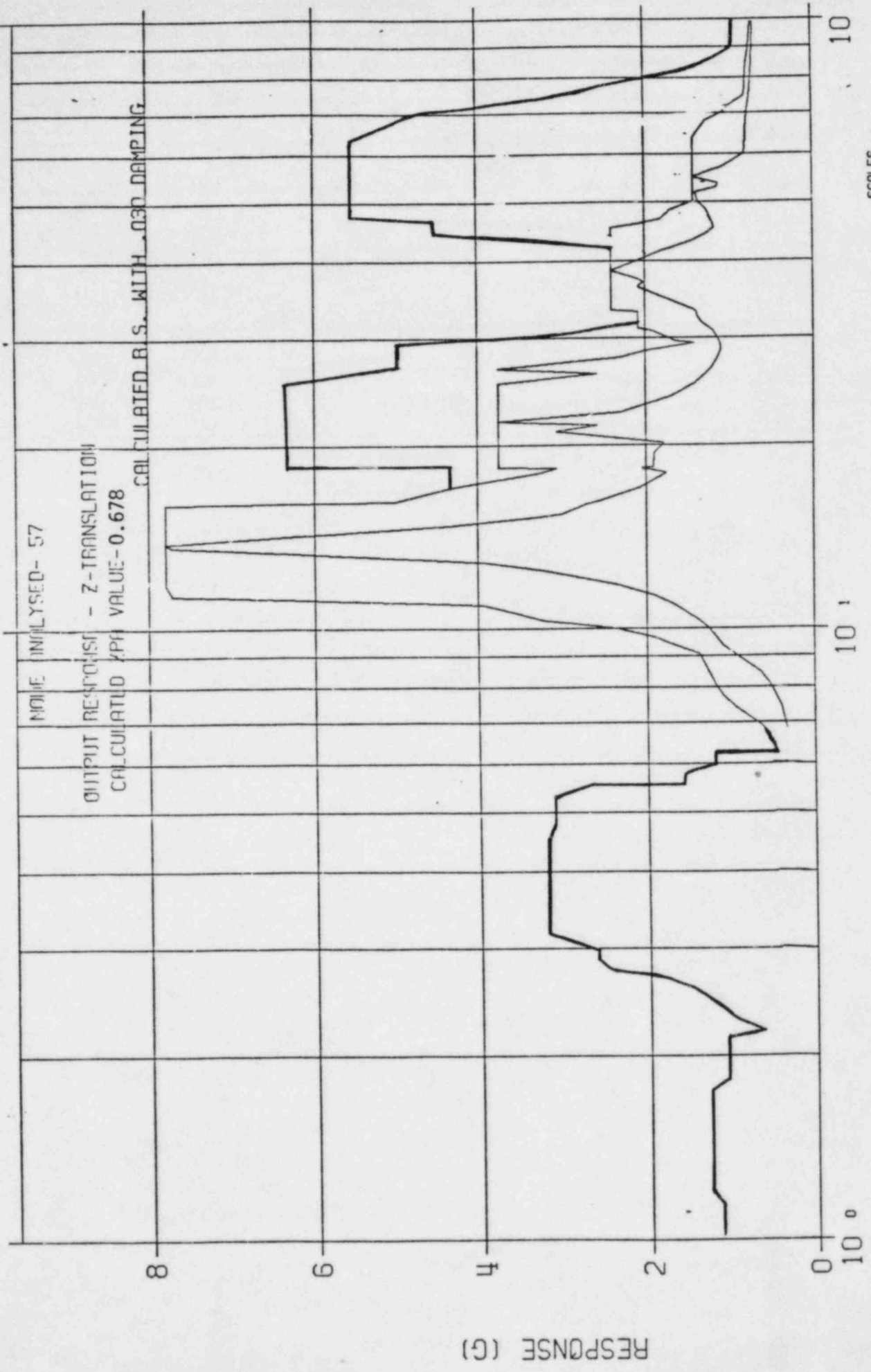
JANUARY 06, 1984



MADE BY H. NGUYEN 11/11/84
VERIFIED BY A. Yeh 1/10/84

MSIV - ENVELOPED AND COMBINED RESPONSE SPECTRA FOR LEVEL B & C

JANUARY 06, 1984

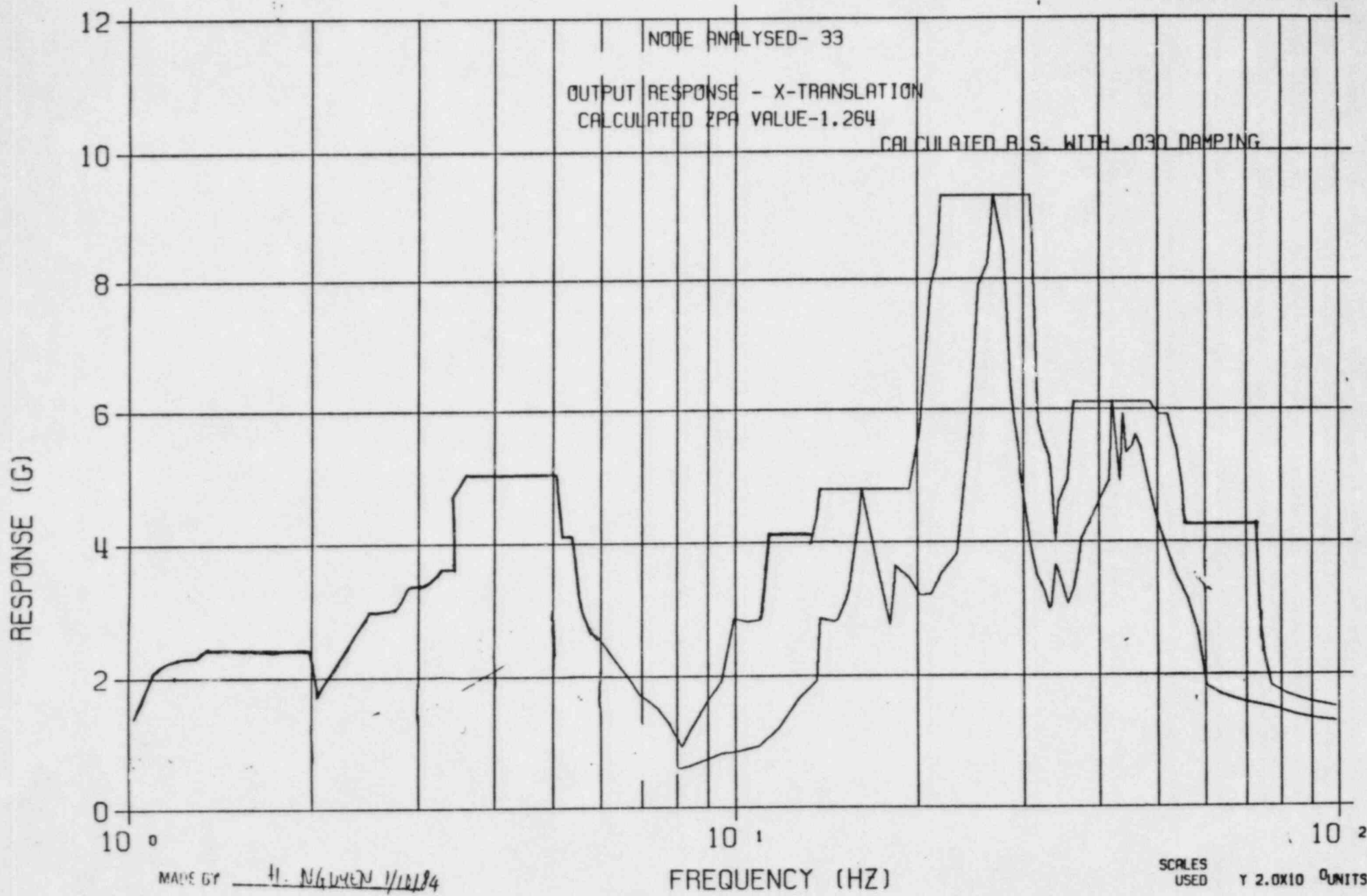


MADE BY H. NGUYEN 1/10/84

VERIFIED BY N. Yeh 1/10/84

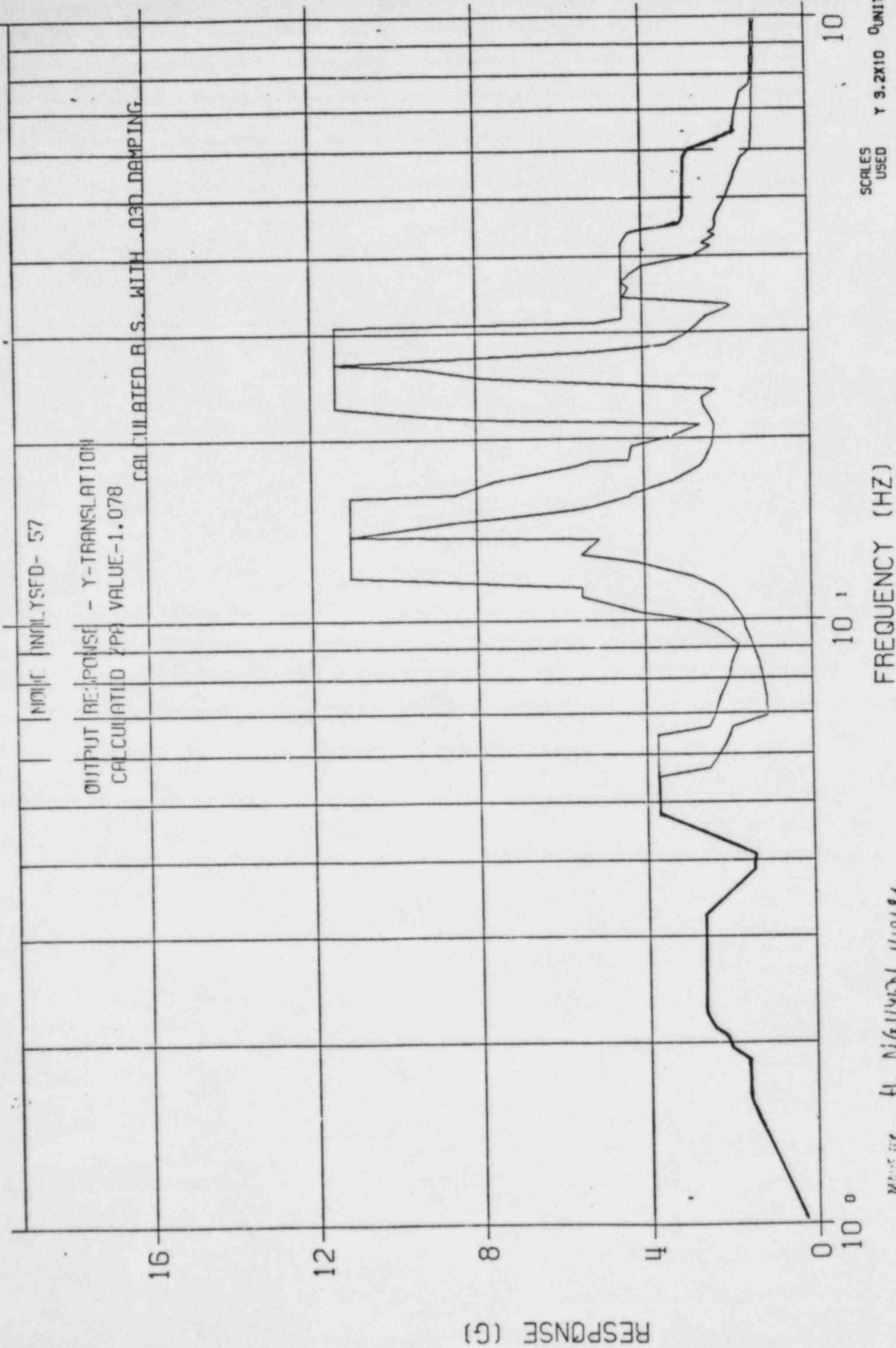
MSIV - ENVELOPED AND COMBINED RESPONSE SPECTRA FOR LEVEL D

JANUARY 05, 1984



MSIV - ENVELOPED AND COMBINED RESPONSE SPECTRA FOR LEVEL D

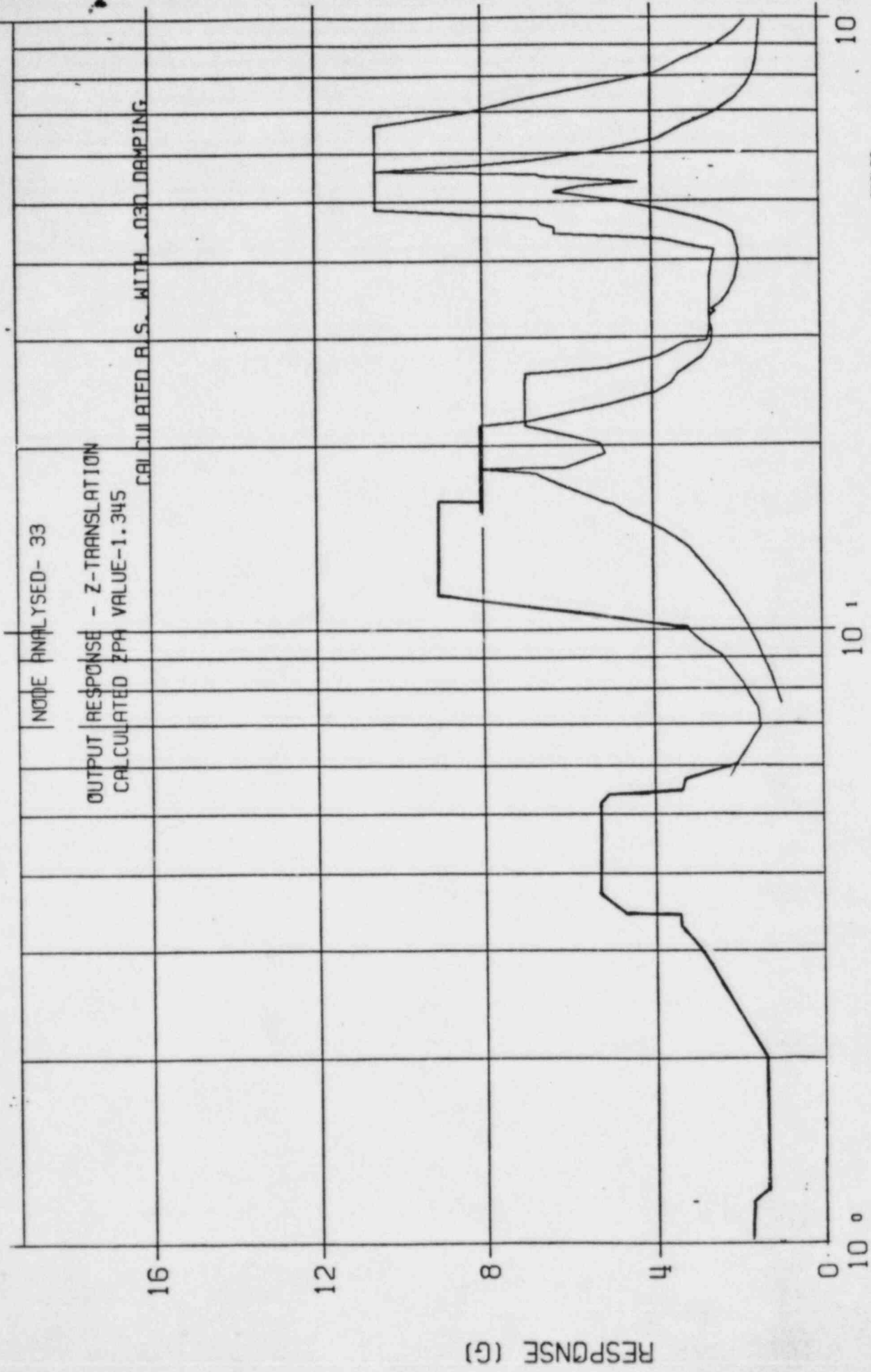
JANUARY 06, 1984



MADE BY H. NGUYEN 11/10/84
 VERIFIED BY N. Yeh 1/10/84

.MSIV - ENVELOPED AND COMBINED RESPONSE SPECTRA FOR LEVEL D

JANUARY 05, 1984



SCALES USED

Y 3.2X10⁰ UNITS/IN

FREQUENCY (HZ)

MADE BY H. MAUGHEN 1/10/84

VERIFIED BY N. Gek 1/10/84

ENCLOSURE 3

BOP SEISMIC CATEGORY I EQUIPMENT MASTER LIST

ENCLOSURE 3(cont'd.)

SEISMIC CATEGORY I EQUIPMENT MASTER LIST
DEFINITION OF CODES

Bldg - Building code

AB - Auxiliary
AC - Auxiliary control building
AN - Annulus (reactor building)
CB - Control building
CL - Cooling tower
CT - Containment (reactor building)
DG - Diesel generator building
DW - Drywell (reactor building)
FB - Fuel building
NS - Normal switchgear building
OG - Off-gas building
PT - Piping tunnels
RW - Radwaste building
SB - Shield building (reactor building)
SW - Standby service water pumphouse
TB - Turbine building
RB - Reactor building (for line-mounted equipment)
ORB - Outside reactor building

MTG - Mounting condition

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

Loads - Indicate whether seismic or hydrodynamic loads are applicable:

Y - Yes
NA - Not applicable

Qual Method - Qualification method

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

Test: SF - Single frequency
MF - Multiple frequency
NA - Not applicable
SO - Static operability

ENCLOSURE 3(cont'd.)

Status - Indicate status of qualification and installation

Qual - Qualification status

Code A - The qualification and associated documentation are complete.

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

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

Code D - Equipment to be qualified (new equipment added).

Inst - Installation status

Code Y - Physical installation is complete.

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

ENCLOSURE 3(cont'd.)

RBS BOP SEISMIC CATEGORY I EQUIPMENT
SUPPLEMENT REQUIRED RESPONSE SPECTRA (RRS)
CROSS REFERENCE

NOTE: Due to a field length limitation in the Computerized Equipment Master List, the following shall be used:

<u>Equivalent RRS Reference</u>	=	<u>RRS Reference</u>
201	=	48,61,115,128,148,161
202	=	37,38,40,46,48,49
203	=	47,48,114,115,147,148
204	=	46,47,113,114,146,147
205	=	58,59,60,125,126,127,158,159,160

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-958

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

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 B	Y
1B21*AOVF32B	CHECK VALVES ATHOOD & MORRILL CO.	228.218	AB	114	LH	Y	Y	S	MF	54	NA B	Y
MOVF *												
1B21*MOVF001	VALVE H.O. 2"-1500 LB VELAN	228.214	DW	141	LH	Y	Y	S	MF	78	NA B	Y
1B21*MOVF002	VALVE H.O. 2"-1500 LB VELAN	228.214	DW	141	LH	Y	Y	S	MF	78	NA B	Y
1B21*MOVF005	VALVE H.O. 2"-1500 LB VELAN	228.214	DW	141	LH	Y	Y	S	MF	78	NA B	Y
1B21*MOVF016	VALVE H.O. 3"-600 LB VELAN	228.212	DW	114	LH	Y	Y	S	MF	49	NA B	Y
1B21*MOVF019	VALVE H.O. 3"-600 LB VELAN	228.212	DW	114	LH	Y	Y	S	MF	49	NA B	Y
1B21*MOVF027A	VALVE H.O. 3/4" 1500 LB VELAN	228.214	AB	141	LH	Y	NA	S	MF	50	NA A	Y
1B21*MOVF027B	VALVE H.O. 3/4"-1500 LB VELAN	228.214	AB	141	LH	Y	Y	S	MF	50	NA A	Y
1B21*MOVF027C	VALVE H.O. 3/4"-1500 LB VELAN	228.214	AB	141	LH	Y	Y	S	MF	50	NA A	Y
1B21*MOVF027D	VALVE H.O. 3/4"-1500 LB VELAN	228.214	AB	141	LH	Y	Y	S	MF	50	NA A	Y
1B21*MOVF065A	VALVE H.O. 20"-900 LB VELAN	228.212	AB	070	LH	Y	Y	S	MF	49	NA B	Y
1B21*MOVF065B	VALVE H.O. 20"-900 LB VELAN	228.212	DW	070	LH	Y	Y	S	MF	49	NA B	Y
1B21*MOVF067A	VALVE H.O. 1.5"-1500 LB VELAN	228.214	AB	114	LH	Y	Y	S	MF	61	NA B	Y
1B21*MOVF067B	VALVE H.O. 1.5"-1500 LB VELAN	228.214	AB	114	LH	Y	Y	S	MF	61	NA B	Y

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM CCP COMPONENT COOLING - PRIMARY CONTAINMENT OR REACTOR

BOP EQUIPMENT

MOV MOTOR OPERATED VALVE

ICCP*MOV129	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LH	Y	NA	D	NA	58	NA A
ICCP*MOV130	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LH	Y	NA	D	NA	58	NA A
ICCP*MOV138	VALVE H.O. 10"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	58	NA B
ICCP*MOV142	6"-150# BUTTERFLY JAMESBURY	228.243	CT	114	LH	Y	Y	D	NA	58	NA B
ICCP*MOV143	6"-150# BUTTERFLY JAMESBURY	228.243	CT	114	LH	Y	Y	D	NA	58	NA B
ICCP*MOV144	6"-150# BUTTERFLY JAMESBURY	228.243	DW	114	LH	Y	Y	D	NA	58	NA B
ICCP*MOV158	VALVE H.O. 10"-600 LB VELAN	228.212	CT	114	LH	Y	Y	S	HF	58	NA B
ICCP*MOV159	VALVE H.O. 10"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	58	NA B
ICCP*MOV16A	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LH	Y	NA	D	NA	58	NA A
ICCP*MOV16B	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LH	Y	NA	D	NA	58	NA A
ICCP*MOV163	VALVE H.O. 2"-1500 LB VELAN	228.214	FB	070	LH	Y	NA	S	HF	78	NA A
ICCP*MOV169	VALVE H.O. 2"-1500 LB VELAN	228.214	FB	070	LH	Y	NA	S	HF	78	NA A
ICCP*MOV335	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LH	Y	NA	D	NA	58	NA A
ICCP*MOV336	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LH	Y	NA	D	NA	58	NA A

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JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM CCP COMPONENT COOLING - PRIMARY CONTAINMENT OR REACTOR

TH	*									
1CCP*TW55A	THERMOCOUPLES RTD PYCO	247.461	FB	95	Y	NA	NA	HF		17 B
1CCP*TW55B	THERMOCOUPLES RTD PYCO	247.461	FB	95	Y	NA	NA	HF		17 B
1CCP*TW71A	THERMOCOUPLES RTD PYCO	247.461	AB	70	Y	NA	NA	HF		1 B
1CCP*TW71B	THERMOCOUPLES RTD PYCO	247.461	AB	70	Y	NA	NA	HF		1 B

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JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-958

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

SYSTEM CES COMMON ELECTRICAL

BOP EQUIPMENT
PNL PANEL

ICES#PNL6A	RACKS FOXBORO/EH	242.444	CB	115	CF	Y	NA	NA	HF	8		
ICES#PNL6B	RACKS FOXBORO/EH	242.444	CB	115	CF	Y	NA	NA	HF	8	A	Y
ICES#PNL6C	CONTROL BOARDS ELECTRO MECHANICS	242.444	CB	116	DH	Y	NA	S	HF	9	A	Y
										C		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	EQUIPMENT SPEC NO.	LOCATION		LOADS		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	RRS REF	
			BLDG	ELEV MTG	SEIS	HYDR			STATUS	QUAL INST

SYSTEM CMS CONTAINMENT ATMOSPHERE MONITORINGBOP EQUIPMENT
AT ANALYZER TRANSMITTER

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

LT LEVEL TRANSMITTER

1CHS*LT23A	PRESS TRANSHITT ROSEMOUNT	247.481	CT	98	DM	Y	Y	NA	MF		44,46 B
1CHS*LT23B	PRESS TRANSHITT ROSEMOUNT	247.481	CT	98	DM	Y	Y	NA	MF		44,46 B

PDT DIFFERENTIAL PRESSURE TRANSMITTER

1CHS*PDT29A	PRESS. TRANSHITT. ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	MF		4 A Y
1CHS*PDT29B	PRESS. TRANSHITT. ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	MF		4 A

PNL PANEL

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

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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---

SYSTEM CMS CONTAINMENT ATMOSPHERE MONITORING

PT PRESSURE TRANSMITTER

1CHS*PT2A	PRESS. TRANSHITT. ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	MF		4	
1CHS*PT2B	PRESS. TRANSHITT. ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	MF		4	Y
1CHS*PT4A	PRESS. TRANSHITT. ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	MF		4	
1CHS*PT4B	PRESS. TRANSHITT. ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	MF		4	Y

RTD RESISTANCE TEMPERATURE RECORDER

1CHS*RTD24A	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF		10	
1CHS*RTD24B	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF		10	
1CHS*RTD24C	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF		10	
1CHS*RTD24D	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF		10	
1CHS*RTD24E	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF		10	
1CHS*RTD24F	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF		10	
1CHS*RTD24G	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF		10	
1CHS*RTD24H	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF		10	
1CHS*RTD24J	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF		10	
1CHS*RTD24K	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF		10	
1CHS*RTD40A	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF		10	

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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 CMS CONTAINMENT ATMOSPHERE MONITORING

RTD RESISTANCE TEMPERATURE RECORDER

1CMS*RTD40B	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF		10	C
1CMS*RTD40C	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF		10	C
1CMS*RTD40D	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF		10	C
1CMS*RTD41A	THERMOCOUPLES RTD PYCO	247.461	DW	145	DW	Y	Y	NA	MF		60,61	C
1CMS*RTD41B	THERMOCOUPLES RTD PYCO	247.461	DW	145	DW	Y	Y	NA	MF		60,61	C
1CMS*RTD41C	THERMOCOUPLES RTD PYCO	247.461	DW	145	DW	Y	Y	NA	MF		60,61	C
1CMS*RTD41D	THERMOCOUPLES RTD PYCO	247.461	DW	145	DW	Y	Y	NA	MF		60,61	C
1CMS*RTD42A	THERMOCOUPLES RTD PYCO	247.461	CT	167	DW	Y	Y	NA	MF		48,49	C
1CMS*RTD42B	THERMOCOUPLES RTD PYCO	247.461	CT	167	DW	Y	Y	NA	MF		48,49	C
1CMS*RTD42C	THERMOCOUPLES RTD PYCO	247.461	CT	162	DW	Y	Y	NA	MF		48	C
1CMS*RTD42D	THERMOCOUPLES RTD PYCO	247.461	CT	118	DW	Y	Y	NA	MF		54,47	C
1CMS*RTD42E	THERMOCOUPLES RTD PYCO	247.461	CT	118	DW	Y	Y	NA	MF		54,47	C
1CMS*RTD42F	THERMOCOUPLES RTD PYCO	247.461	CT	118	DW	Y	Y	NA	MF		54,47	C
1CMS*RTD42G	THERMOCOUPLES RTD PYCO	247.461	CT	118	DW	Y	Y	NA	MF		54,47	C
1CMS*RTD42H	THERMOCOUPLES RTD PYCO	247.461	CT	118	DW	Y	Y	NA	MF		54,47	C
1CMS*RTD42J	THERMOCOUPLES RTD PYCO	247.461	CT	118	DW	Y	Y	NA	MF		54,47	C
1CMS*RTD42K	THERMOCOUPLES RTD PYCO	247.461	CT	118	DW	Y	Y	NA	MF		54,47	C

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

SYSTEM CMS CONTAINMENT ATMOSPHERE MONITORING

RTD RESISTANCE TEMPERATURE RECORDER

1CHS*RTD43A	THERMOCOUPLES RTD PYCO	247.461	DN	145	DW	Y	Y	NA	MF		60,61 C
1CHS*RTD43B	THERMOCOUPLES RTD PYCO	247.461	DN	145	DW	Y	Y	NA	MF		60,61 C
1CHS*RTD43C	THERMOCOUPLES RTD PYCO	247.461	DN	145	DW	Y	Y	NA	MF		60,61 C
1CHS*RTD43D	THERMOCOUPLES PYCO	247.461	DN	145	DW	Y	Y	NA	MF		60,61 C
1CHS*RTD43E	THERMOCOUPLES RTD PYCO	247.461	DN	145	DW	Y	Y	NA	MF		60,61 C
1CHS*RTD43F	THERMOCOUPLES RTD PYCO	247.461	DN	145	DW	Y	Y	NA	MF		60,61 C

SOV SOLENOID VALVE

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

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

SYSTEM CHS CONTAINMENT ATMOSPHERE MONITORING

SOV SOLENOID VALVE

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

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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 CHS CONTAINMENT ATMOSPHERE MONITORING

SOV SOLENOID VALVE

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

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---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	228.212	AB	114	LH	Y	Y	S	HF	52	NA B
1CNS#MOV130	VALVE H.O. 4"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	52	NA B

RV

*

1CNS#RV140	RELIEF VALVES CROSSBY	247.521	RB	120	LH	Y	Y	S	SO	157	NA A
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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---

SYSTEM CPM CONTAINMENT HYDROGEN MIXING

BOP EQUIPMENT

FN FAN

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

MOV MOTOR OPERATED VALVE

1CPH*MOV1A	6"-150# BUTTERFLY POSI SEAL	228.241	CT	162	LH	Y	Y	D	NA	34	NA B	Y
1CPH*MOV1B	6"-150# BUTTERFLY POSI SEAL	228.241	CT	162	LH	Y	Y	D	NA	34	NA B	Y
1CPH*MOV2A	6"-150# BUTTERFLY POSI SEAL	228.241	CT	114	LH	Y	Y	D	NA	34	NA B	Y
1CPH*MOV2B	6"-150# BUTTERFLY POSI SEAL	228.241	CT	114	LH	Y	Y	D	NA	34	NA B	Y
1CPH*MOV3A	6"-150# BUTTERFLY POSI SEAL	228.241	CT	162	LH	Y	Y	D	NA	34	NA B	Y
1CPH*MOV3B	6"-150# BUTTERFLY POSI SEAL	228.241	CT	162	LH	Y	Y	D	NA	34	NA B	Y
1CPH*MOV4A	6"-150# BUTTERFLY POSI SEAL	228.241	CT	114	LH	Y	Y	D	NA	34	NA B	Y
1CPH*MOV4B	6"-150# BUTTERFLY POSI SEAL	228.241	CT	114	LH	Y	Y	D	NA	34	NA B	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

SYSTEM CPP CONTAINMENT PURGE

BOP EQUIPMENT

HOV MOTOR OPERATED VALVE

1CPP*HOV104	VALVE H.O. 3"-600 LB VELAN	228.212	CT	141	LH	Y	Y	S	MF	49	NA B
1CPP*HOV105	VALVE H.O. 3"-600 LB VELAN	228.212	CT	141	LH	Y	Y	S	MF	49	NA B

PNL PANEL

1CPP*PNL102	CONTROL BOARDS ELECTRO MECHANICS	242.444	AB	170	CF	Y	NA	S	MF		5 C
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SOV SOLENOID VALVE

1CPP*SOV140	VALVE 1" TARGET ROCK	247.501	AB	141	LH	Y	Y	S	MF	139	NA B
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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

SYSTEM CSH CORE SPRAY - HIGH PRESSURE													
BOP EQUIPMENT													
HOSE *													
1CSH*HOSE6	FLEX METAL HOSE HTL BELLOHS	247.011						Y	S	HF	10		B
STR *													
1CSH*STR1	STRAINER ZURN INDUSTRIES	228.957	CT	70	LM	NA	Y	S	NA	445		NA	A
TH *													
1CSH*TH102	THERMOCOUPLES RTD PYCO	247.461	AB	70			Y	N	NA	HF		1	B

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

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	EQUIPMENT	SPEC NO.	---LOCATION---			---LOADS---			-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	----RRS REF----	
				BLDG	ELEV	MTG	SEIS	HYDR	STATUS			QUAL	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
TH													
1CSL*TH116	THERMOCOUPLES RTD PYCO	*	247.461	AB	70			Y	NA	NA	HF	1	B
V													
1CSL*V1	16"-300# GATE VALVE VELAN	*	228.211	AB	73	LH	Y	NA	S	NA	65	NA	B
1CSL*V31	16"-300# GATE VALVE VELAN		228.211	AB	73	LH	Y	NA	S	NA		NA	D

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JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----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 C11 CONTROL ROD DRIVE HYDRAULIC CONTROL SYSTEM

BOP EQUIPMENT
MOVF

1C11*MOVF083	VALVE H.O. 2"-1500 LB VELAN	228.216	FB	113	LM	Y	Y	S	HF	78	NA B
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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	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---

SYSTEM C41 STANDBY LIQUID CONTROL SYSTEMBOP EQUIPMENT
HOVF

1C41*HOVF001A	VALVE H.O. 3"-150 LB VELAM	228.216	DH	141	LH	Y	Y	S	HF	62	NA B
1C41*HOVF001B	VALVE H.O. 3"-150 LB VELAN	228.216	DH	141	LH	Y	Y	S	HF	62	NA B

RVF

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

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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 DER DRAINS - REACTOR BLDG EQUIPMENT

BOP EQUIPMENT

ADV AIR OPERATED VALVE

1DER*ADV126	4"-150# GLOBE FISHER CONTROLS	247.491	CT	134	LH	Y	Y					NA D
1DER*ADV127	4"-150# GLOBE FISHER CONTROLS	247.491	FB	113	LH	Y	Y					NA D Y

RV

1DER*RV160	RELIEF VALVES CROSSBY	247.521	RB	104	LH	Y	Y	S	SO	157		NA A
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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	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL INST

SYSTEM DFR DRAINS - REACTOR PLANT FLOOR

BOP EQUIPMENT
ACV AIR OPERATED VALVE

1DFRwAOV101	4"-150# GLOBE FISHER CONTROLS	247.491	CT	123	LH	Y	Y					NA
1DFRwAOV102	4"-150# GLOBE FISHER CONTROLS	247.491	AB	114	LH	Y	Y					NA Y

LT LEVEL TRANSMITTER

1DFRwLT134	PRESS TRANSHITT ROSEHOUNT	247.481	AB	70	RH	Y	NA	NA	HF			1 A
1DFRwLT135	PRESS TRANSHITT ROSEHOUNT	247.481	AB	70	RH	Y	NA	NA	HF			1 A
1DFRwLT136	PRESS TRANSHITT ROSEHOUNT	247.481	AB	70	RH	Y	NA	NA	HF			1 A
1DFRwLT137	PRESS TRANSHITT ROSEHOUNT	247.481	AB	70	RH	Y	NA	NA	HF			1 A
1DFRwLT138	PRESS TRANSHITT ROSEHOUNT	247.481	AB	70	RH	Y	NA	NA	HF			1 A
1DFRwLT139	PRESS TRANSHITT ROSEHOUNT	247.481	AB	70	RH	Y	NA	NA	HF			1 A

RV

1DFRwRV21	RELIEF VALVES CROSBY	247.521	RB	107	LH	Y	Y	S	SO	157		NA A
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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- ANLYS TEST	-NAT FREQ- LOWEST	---RRS REF---	
			BLDG	ELEV	MTG	SEIS	HYDR			STATUS	QUAL

SYSTEM EGF GENERATOR STANDBY - FUEL

P PUMP

1EGF*P2A	FUEL OIL PUMP DELAVAL	244.700	DG	98	EH	Y	NA	NA	MF	8	13,14 A
1EGF*P2B	FUEL OIL PUMP DELAVAL	244.700	DG	98	EH	Y	NA	NA	MF	8	13,14 A

STR *

1EGF*STR2A	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	NA	S	NA	87	12 A
1EGF*STR2B	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	NA	S	NA	87	12 A
1EGF*STR2C	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	NA	S	NA	87	12 A
1EGF*STR2D	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	N	S	N	87	12 A
1EGF*STR2E	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	NA	S	NA	87	12 A
1EGF*STR2F	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	NA	S	NA	87	12 A

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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	LOHEST	---STATUS---

SYSTEM EGO EMERGENCY DIESEL GENERATOR LUBE OIL SYSTEM

BOP EQUIPMENT

E

1EGO+E1A	LUBE OIL COOLER DELAVAL	244.700	DG	98	EH	Y	NA	S	NA	40	13,14	A
1EGO+E1B	LUBE OIL COOLER DELAVAL	244.700	DG	98	EH	Y	NA	S	NA	40	13,14	A

P PUMP

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

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

SYSTEM EGS, GENERATOR STANDBY - SYSTEM												
BOP EQUIPMENT												
EG *												
1EGS*EG1A	DSL GEN MAJOR CORP. DELAVAL	244.700	DG	98	EM	Y	NA	S	SF	-	13,14 C	Y
1EGS*EG1B	DSL GEN MAJOR CORP. DELAVAL	244.700	DG	98	EM	Y	NA	S	SF	-	13,14 A	Y
PNL PANEL												
1EGS*PNL2A	CONTROL BOARDS ELECTRO MECHANICS	242.444	DG	98	CF	Y	NA	NA	HF		12 C	Y
1EGS*PNL2B	CONTROL BOARDS ELECTRO MECHANICS	242.444	DG	98	CF	Y	NA	NA	HF		12 C	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 HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL INST

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
1EGT+E1B	JACKET WTR COOLER DELAVAL	244.700	DG	98	EH	Y	NA	S	NA	60	13.14 A

P PUMP

1EGT+P1A	JACKET WTR KEEP WARM PUMP DELAVAL	244.700	DG	98	EH	Y	NA	NA	HF	>15	13.14 A
1EGT+P1B	JACKET WTR KEEP WARM PUMP DELAVAL	244.700	DG	98	EH	Y	NA	NA	HF	>15	13.14 A

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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	LOWEST	---STATUS---	QUAL

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	4	7 B	Y
1EHS*MCC14B	MOTOR CONTROL CENTERS GOULD, INC.	242.562	CB	98	CF	Y	NA	NA	HF	4	7 B	Y
1EHS*MCC15A	MOTOR CONTROL CENTERS GOULD, INC.	242.562	DG	98	CF	Y	NA	NA	HF	4	12 B	Y
1EHS*MCC15B	MOTOR CONTROL CENTERS GOULD, INC.	242.562	DG	98	CF	Y	NA	NA	HF	4	12 B	Y
1EHS*MCC16A	MOTOR CONTROL CENTERS GOULD, INC.	242.562	SH-CL	118	CF	Y	NA	NA	HF	4	31 B	Y
1EHS*MCC16B	MOTOR CONTROL CENTERS GOULD, INC.	242.562	SH-CL	118	CF	Y	NA	NA	HF	4	31 B	Y
1EHS*MCC2A	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	141	CF	Y	NA	NA	HF	4	4 B	Y
1EHS*MCC2B	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	141	CF	Y	NA	NA	HF	4	4 B	Y
1EHS*MCC2C	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	141	CF	Y	NA	NA	HF	4	4 B	Y
1EHS*MCC2D	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	141	CF	Y	NA	NA	HF	4	4 B	Y
1EHS*MCC2E	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	141	CF	Y	NA	NA	HF	4	4 B	Y
1EHS*MCC2F	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	141	CF	Y	NA	NA	HF	4	4 B	Y
1EHS*MCC2G	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	141	CF	Y	NA	NA	HF	4	4 B	Y
1EHS*MCC2H	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	141	CF	Y	NA	NA	HF	4	4 B	Y
1EHS*MCC2J	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	141	CF	Y	NA	NA	HF	4	4 B	Y
1EHS*MCC2K	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	141	CF	Y	NA	NA	HF	4	4 B	Y
1EHS*MCC2L	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	141	CF	Y	NA	NA	HF	4	4 B	Y

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM EHS MOTOR CONTROL CENTER STANDBY SYSTEM

BOP EQUIPMENT
MCC MOTOR CONTROL CENTER

1EHS=MCC8A	MOTOR CONTROL CENTERS GOULD, INC.	242.562	CB	98	CF	Y	NA	NA	HF	4	7 B	Y
1EHS=MCC8B	MOTOR CONTROL CENTERS GOULD, INC.	242.562	CB	98	CF	Y	NA	NA	HF	4	7 B	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 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		9 B	Y
1ENB*CHGR1B	BATT. CHARGER POWER CONVERS. PROD.	244.523	CB	116	CF	Y	NA	NA	HF		9 B	Y
INV												
1ENB*INV01A	INVERTER ELGAR CORP.	244.512	CB	116	CF	Y	NA	NA	HF		8,9 C	Y
1ENB*INV01B	INVERTER ELGAR CORP.	244.512	CB	116	CF	Y	NA	NA	HF		8,9 C	Y
MCC MOTOR CONTROL CENTER												
1ENB*MCC1	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	95	CF	Y	NA	NA	HF	4	2 B	Y
PNL PANEL												
1ENB*PNL02A	PANEL BOARDS SQUARE "D" CO.	242.421	CB	136	DH	Y	NA	NA	SF		9 C	Y
1ENB*PNL02B	PANEL BOARDS SQUARE "D" CO.	242.421	CB	136	DH	Y	NA	NA	SF		9 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-----		---LOCATION---			---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---

SYSTEM ENB SHGR STANDBY 4160V - DC CONTROL SUPPLY

PNL PANEL

1ENB*PNL03A	PANEL BOARDS SQUARE "D" CO.	242.421	DG	98	DH	Y	NA	NA	SF		12		
1ENB*PNL03B	PANEL BOARDS SQUARE "D" CO.	242.421	DG	98	DH	Y	NA	NA	SF		12	C	Y

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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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---

SYSTEM ENS SHGR STANDBY 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

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

DOCKET NO. 50-458

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

SYSTEM E12 RESIDUAL HEAT REMOVAL

BOP EQUIPMENT

AOVF

1E12*AOVF041A	CHECK VALVES ATHOOD & MORRILL CO.	228.218	DW	114	LH	Y	Y	S	HF	108	NA B	Y
1E12*AOVF041B	CHECK VALVES ATHOOD & MORRILL CO.	228.218	DW	114	LH	Y	Y	S	HF	108	NA B	Y
1E12*AOVF041C	CHECK VALVES ATHOOD & MORRILL CO.	228.218	DW	114	LH	Y	Y	S	HF	108	NA B	Y
1E12*AOVF093	CHECK VALVES ATHOOD & MORRILL CO.	228.218	AB	70	LH	Y	NA	S	HF	47	NA B	Y

LVF

1E12*LVF065A	2"-300# GLOBE FISHER CONTROLS	247.491	AB	070	LH	Y	NA				NA D	
1E12*LVF065B	2"-300# GLOBE FISHER CONTROLS	247.491	AB	070	LH	Y	NA				NA D	

MOVF

1E12*MOVF003A	VALVE H.O. 14"-300 LB VELAN	228.212	AB	070	LH	Y	Y	S	HF	48	NA B	Y
1E12*MOVF003B	VALVE H.O. 14"-300 LB VELAN	228.212	AB	070	LH	Y	Y	S	HF	48	NA B	Y
1E12*MOVF004A	VALVE H.O. 20"-300 LB VELAN	228.212	AB	070	LH	Y	Y	S	HF	64	NA B	Y
1E12*MOVF004B	VALVE H.O. 20"-300 LB VELAN	228.212	AB	070	LH	Y	Y	S	HF	64	NA B	Y
1E12*MOVF006A	VALVE H.O. 12"-300 LB VELAN	228.212	AB	070	LH	Y	Y	S	HF	65	NA B	Y
1E12*MOVF006B	VALVE H.O. 12"-300 LB VELAN	228.212	AB	070	LH	Y	Y	S	HF	65	NA B	Y
1E12*MOVF008	VALVE H.O. 18"-600 LB VELAN	228.212	AB	070	LH	Y	Y	S	HF	44	NA B	Y

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

DOCKET NO. 58-458

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

SYSTEM E12 RESIDUAL HEAT REMOVAL												
HOVF												
1E12*HOVF009	VALVE H.O. 18"-600 LB VELAN	228.212	AB	095	LH	Y	Y	S	HF	44	NA B	Y
1E12*HOVF011A	VALVE H.O. 4"-600 LB VELAN	228.212	AB	095	LH	Y	Y	S	HF	52	NA B	Y
1E12*HOVF011B	VALVE H.O. 4"-600 LB VELAN	228.212	AB	095	LH	Y	Y	S	HF	52	NA B	Y
1E12*HOVF021	VALVE H.O. 14"-300 LB VELAN	228.212	AB	095	LH	Y	Y	S	HF	48	NA B	Y
1E12*HOVF023	VALVE H.O. 4"-900 LB VELAN	228.212	AB	095	LH	Y	Y	S	HF	48	NA B	Y
1E12*HOVF024A	VALVE H.O. 14"-300 LB VELAN	228.212	AB	095	LH	Y	Y	S	HF	68	NA B	Y
1E12*HOVF024B	VALVE H.O. 14"-300 LB VELAN	228.212	AB	095	LH	Y	Y	S	HF	68	NA B	Y
1E12*HOVF026A	VALVE H.O. 4"-60 LB VELAN	228.212	AB	076	LH	Y	Y	S	HF	52	NA B	Y
1E12*HOVF026B	VALVE H.O. 4"-60 LB VELAN	228.212	AB	076	LH	Y	Y	S	HF	52	NA B	Y
1E12*HOVF037A	VALVE H.O. 10"-300 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	67	NA B	Y
1E12*HOVF037B	VALVE H.O. 10"-300 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	67	NA B	Y
1E12*HOVF040	VALVE H.O. 6"-600 LB VELAN	228.212	AB	076	LH	Y	NA	S	HF	65	NA B	Y
1E12*HOVF042A	VALVE H.O. 10"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	58	NA B	Y
1E12*HOVF042B	VALVE H.O. 10"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	58	NA B	Y
1E12*HOVF042C	VALVE H.O. 10"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	58	NA B	Y
1E12*HOVF047A	VALVE H.O. 14"-600 LB VELAN	228.212	AB	095	LH	Y	NA	B	HF	68	NA A	Y
1E12*HOVF047B	VALVE H.O. 14"-600 LB VELAN	228.212	AB	095	LH	Y	NA	S	HF	68	NA A	Y

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	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*MOV048A	VALVE H.O. 14"-300 LB VELAN	228.212	AB	070	LH	Y	Y	S	HF	48	NA	
1E12*MOV048B	VALVE H.O. 14"-300 LB VELAN	228.212	AB	070	LH	Y	Y	S	HF	48	NA	Y
1E12*MOV049	VALVE H.O. 6"-600 LB VELAN	228.212	AB	076	LH	Y	Y	S	HF	54	NA	Y
1E12*MOV053A	VALVE H.O. 10"-900 LB VELAN	228.212	AB	095	LH	Y	Y	S	HF	72	NA	Y
1E12*MOV053B	VALVE H.O. 10"-900 LB VELAN	228.212	AB	095	LH	Y	NA	S	HF	72	NA	Y
1E12*MOV064A	VALVE H.O. 4"-60 LB VELAN	228.212	AB	076	LH	Y	NA	S	HF	52	NA	Y
1E12*MOV064B	VALVE H.O. 4"-60 LB VELAN	228.212	AB	076	LH	Y	Y	S	HF	52	NA	Y
1E12*MOV064C	VALVE H.O. 4"-60 LB VELAN	228.212	AB	076	LH	Y	NA	S	HF	52	NA	Y
1E12*MOV068A	18"-155# BUTTERFLY JAMESBURY	228.243	PT-D	70	LH	Y	NA	D	NA	52	NA	Y
1E12*MOV068B	18"-155# BUTTERFLY JAMESBURY	228.243	PT-D	70	LH	Y	NA	D	NA	52	NA	Y
1E12*MOV087A	VALVE H.O. 8"-900 LB VELAN	228.212	AB	095	LH	Y	Y	S	HF	87	NA	Y
1E12*MOV087B	VALVE H.O. 8"-900 LB VELAN	228.212	AB	095	LH	Y	NA	S	HF	87	NA	Y
1E12*MOV096	VALVE H. O. 10"-600 LB VELAN	228.212	AB	076	LH	Y	Y	S	HF	58	NA	Y
1E12*MOV73A	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	095	LH	Y	Y	S	HF	78	NA	Y
1E12*MOV73B	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	095	LH	Y	Y	S	HF	78	NA	Y
1E12*MOV74A	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	095	LH	Y	NA	S	HF	78	NA	Y
1E12*MOV74B	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	095	LH	Y	NA	S	HF	78	NA	Y

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM E12 RESIDUAL HEAT REMOVAL

MOV MOTOR OPERATED VALVE

1E12*MOV027A	VALVE H.O. 10"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	58	NA B
1E12*MOV027B	VALVE H.O. 10"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	58	NA B
1E12*MOV094	VALVE H.O. 10"-600 LB VELAN	228.212	AB	78	LH	Y	Y	S	HF	58	NA B Y
1E12*MOV105	VALVE H.O. 20"-150 LB VELAN	228.212	AB	070	LH	Y	Y	S	HF	64	NA B Y
1E12*MOV52A	VALVE H.O. 8"-900 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	99	NA B Y
1E12*MOV52B	VALVE H.O. 8"-900 LB VELAN	228.212	AB	114	LN	Y	NA	S	HF	87	NA B Y

PC *

1E12*PC003	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	AB	78	DH	Y	NA	S	NA	41	2 A
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PVF *

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

RVF *

1E12*RVF005	RELIEF VALVES CROSBY	247.521	AB	78	LH	Y	NA	S	SO	342	NA B
1E12*RVF017A	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	NA	S	SO	342	NA B

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM E12 RESIDUAL HEAT REMOVAL

RVF

*

1E12*RVF017B	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	NA	S	SO	342	NA	B
1E12*RVF025A	RELIEF VALVES CROSBY	247.521	AB	98	LH	Y	NA	S	SO	296	NA	B
1E12*RVF025B	RELIEF VALVES CROSBY	247.521	AB	95	LH	Y	NA	S	SO	296	NA	B
1E12*RVF025C	RELIEF VALVES CROSBY	247.521	AB	106	LH	Y	NA	S	SO	296	NA	B
1E12*RVF030	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	NA	S	SO	239	NA	B
1E12*RVF036	RELIEF VALVES CROSBY	247.521	AB	84	LH	Y	NA	S	SO	98	NA	B
1E12*RVF055A	RELIEF VALVES CROSBY	247.521	AB	106	LH	Y	NA	S	SO	123	NA	B
1E12*RVF055B	RELIEF VALVES CROSBY	247.521	AB	106	LH	Y	NA	S	SO	123	NA	B
1E12*RVF100A	RELIEF VALVES CROSBY	247.521	AB	85	LH	Y	NA	S	SO	268	NA	B
1E12*RVF100B	RELIEF VALVES CROSBY	247.521	AB	85	LH	Y	NA	S	SO	268	NA	B
1E12*RVF101	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	NA	S	SO	239	NA	B

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

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	LOHEST	---	STATUS---

SYSTEM E12 RESIDUAL HEAT REMOVAL

SOVF			*									
1E12*SOVF095	VALVE 3/4" TARGET ROCK	247.501	AB	70	LH	Y	NA	S	HF	139	NA A	Y
VF			*									
1E12*VF007	10"-600 GATE VALVE VELAN	228.211	DW	141	LH	Y	Y	S	NA		NA D	
1E12*VF010	18"-600 GATE VALVE VELAN	228.211	DW	95	LH	Y	Y	S	NA		NA D	
1E12*VF029A	14"-300# GATE VALVE VELAN	228.211	AB	73	LH	Y	NA	S	NA		NA D	
1E12*VF029B	14"-300# GATE VALVE VELAN	228.211	AB	73	LH	Y	NA	S	NA		NA D	
1E12*VF029C	14"-300# GATE VALVE VELAN	228.211	AB	76	LH	Y	NA	S	NA		NA D	
1E12*VF039A	10"-600# GATE VALVE VELAN	228.211	DW	136	LH	Y	Y	S	NA		NA D	
1E12*VF039B	10"-600# GATE VALVE VELAN	228.211	DW	136	LH	Y	Y	S	NA		NA D	
1E12*VF039C	10"-600# GATE VALVE VELAN	228.211	DW	136	LH	Y	Y	S	NA		NA D	
1E12*VF067	14"-300# GATE VALVE VELAN	228.211	AB	76	LH	Y	NA	S	NA		NA D	
1E12*VF099A	8"-300# GATE VALVE VELAN	228.211	CT	125	LH	Y	Y	S	NA		NA D	
1E12*VF099B	8"-300# GATE VALVE VELAN	228.211	CT	122	LH	Y	Y	S	NA		NA D	

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----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 E21 CORE SPRAY - LOH PRESSURE

BOP EQUIPMENT
AOVF

1E21*AOVF006	CHECK VALVES ATWOOD & MORRILL CO.	228.218	DH	141	LM	Y	Y	S	HF	108	NA B	Y
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HOVF

1E21*HOVF001	VALVE H.O. 20"-300 LB VELAN	228.212	AB	070	LM	Y	Y	S	HF	64	NA B	Y
1E21*HOVF005	VALVE H.O. 10"-600 LB VELAN	228.212	AB	114	LM	Y	Y	S	HF	58	NA B	Y
1E21*HOVF011	VALVE H.O. 4"-600 LB VELAN	228.212	AB	095	LM	Y	Y	S	HF	52	NA B	Y
1E21*HOVF012	VALVE H.O. 10"-300 LB VELAN	228.212	AB	095	LM	Y	Y	S	HF	67	NA B	Y

PC

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

1E21*RVF018	RELIEF VALVES CROSBY	247.521	AB	70	LM	Y	NA	S	SO	296	NA B	
1E21*RVF031	RELIEF VALVES CROSBY	247.521	AB	70	LM	Y	NA	S	SO	168	NA B	

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JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM E22 CORE SPRAY - HIGH PRESSURE											
BOP EQUIPMENT											
AOVF											*
1E22*AOVF005	CHECK VALVES ATHOOD & MORRILL CO.	228.218	DW	141	LH	Y	Y	S	HF	108	NA B Y
PC											
1E22*PC003	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	AB	78	DM	Y	NA	S	NA	41	2 A
RVF											
1E22*RVF014	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	NA	S	SO	268	NA B
1E22*RVF035	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	NA	S	SO	699	NA B
1E22*RVF039	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	NA	S	SO	699	NA B
VF											
1E22*VF036	10"-900# GATE VALVE VELAM	228.211	DW	141	LH	Y	Y	S	NA	151	NA B

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-450

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 E33 MAIN STEAM ISOLATION VALVE SEALS

BOP EQUIPMENT
MOVF

1E33*MOV005	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141	LH	Y	NA	S	HF	78	NA	B
1E33*MOV006	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141	LH	Y	NA	S	HF	78	NA	B
1E33*MOV007	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141	LH	Y	NA	S	HF	78	NA	B
1E33*MOV008	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141	LH	Y	NA	S	HF	78	NA	B
1E33*MOV025	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141	LH	Y	NA	S	HF	78	NA	B
1E33*MOV026	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141	LH	Y	NA	S	HF	78	NA	B
1E33*MOV027	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141	LH	Y	NA	S	HF	78	NA	B
1E33*MOV028	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141	LH	Y	NA	S	HF	78	NA	B

PVF

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

RVF

1E33*RVF003	RELIEF VALVES CROSSBY	247.521	AB	141	LH	Y	NA	S	SO	239	NA	B
1E33*RVF023	RELIEF VALVES CROSSBY	247.521	AB	141	LH	Y	NA	S	SO	239	NA	B

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM E51 REACTOR CORE ISOLATION COOLING SYSTEM

BOP EQUIPMENT
AOVF

1E51*AOVF004	1"-150# GLOBE FISHER CONTROLS	247.491	AB	70	LH	Y	NA					NA D	Y
1E51*AOVF005	1"-150# GLOBE FISHER CONTROLS	247.491	AB	70	LH	Y	NA					NA D	Y
1E51*AOVF025	1"-1500# GLOBE FISHER CONTROLS	247.491	AB	70	LH	Y	NA					NA D	Y
1E51*AOVF026	1"-1500# GLOBE FISHER CONTROLS	247.491	AB	70	LH	Y	NA					NA D	Y
1E51*AOVF054	1"-1500# GLOBE FISHER CONTROLS	247.491	AB	70	LH	Y	NA					NA D	Y
1E51*AOVF65	CHECK VALVES ATWOOD & HERRILL CO.	228.218	AB	114	LH	Y	Y	S	MF	38		NA B	Y
1E51*AOVF66	CHECK VALVES ATWOOD & HERRILL CO.	228.218	DN	173	LH	Y	Y	S	MF	38		NA B	Y

MOVF

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

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----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 E51 REACTOR CORE ISOLATION COOLING SYSTEM												
MOV F												*
1E51*MOV F063	VALVE H.O. 8"-600 LB VELAN	228.212	CT	122 LH	Y	Y	S	HF	49		NA B	Y
1E51*MOV F064	VALVE H.O. 8"-600 LB VELAN	228.212	AB	114 LH	Y	Y	S	HF	49		NA B	Y
1E51*MOV F068	VALVE H.O. 12"-300 LB VELAN	228.212	AB	095 LH	Y	Y	S	HF	79		NA B	Y
1E51*MOV F076	VALVE H.O. 3/4"-1500 LB VELAN	228.214	CT	114 LH	Y	Y	S	HF	50		NA B	
1E51*MOV F077	VALVE H.O. 1.5"-1500 LB VELAN	228.214	AB	095 LH	Y	NA	S	HF	61		NA A	
1E51*MOV F078	VALVE H.O. 2.5"-150 LB VELAN	228.212	AB	095 LN	Y	Y	S	HF			NA C	
PCVF												*
1E51*PCVF015	VALVE - 1" TARGET ROCK	247.501	AB	70 LH	Y	NA	S	HF			NA C	
PCV	PRESSURE CONTROL VALVE											
1E51*PCV015	1"-1500# GLOBE FISHER CONTROLS	247.491	AB	070 LH	Y	NA					NA D	
PC												*
1E51*PC003	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	AB	70 CF	Y	NA	S	NA	41		2 A	

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

SYSTEM E51 REACTOR CORE ISOLATION COOLING SYSTEM

RVF

*

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

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----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 FNS

BOP EQUIPMENT
RAK RACK

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

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JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM FPH FIRE PROTECTION - WATER

BOP EQUIPMENT
MOV MOTOR OPERATED VALVE

1FPW#HOV121	VALVE M.O. 6"-600 LB VELAN	228.212	AB	141	LH	Y	Y	S	MF	54	NA B
1FPW#HOV122	VALVE M.O. 6"-600 LB VELAN	228.212	AB	141	LH	Y	Y	S	MF	54	NA B

07/31/84

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM FWS FEEDWATER SYSTEM

BOP EQUIPMENT
MOV MOTOR OPERATED VALVE

1FNSwMOV7A	VALVE H.O. 20"-900 LB VELAN	228.212	AB	097	LM	Y	Y	S	HF	49	NA B	Y
1FNSwMOV7B	VALVE H.O. 20"-900 LB VELAN	228.212	AB	097	LM	Y	Y	S	HF	49	NA B	Y

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

DOCKET NO. 50-458

EQUIP. ID	EQUIPMENT		---LOCATION---			---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	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	HH	Y	NA	S	NA	39		1-31	A
1GTS*AOD1B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39		1-31	A
1GTS*AOD21A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39		2-31	A
1GTS*AOD21B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39		1-31	A
1GTS*AOD22A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39		1-31	A
1GTS*AOD22B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39		1-31	A
1GTS*AOD23A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39		1-31	A
1GTS*AOD23B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39		1-31	A
1GTS*AOD3A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39		1-31	A
1GTS*AOD3B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39		1-31	A
1GTS*AOD4A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39		1-31	A
1GTS*AOD4B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	39		1-31	A

DHP

1GTS*DHP1A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50		1-31	A
1GTS*DHP1B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50		1-31	A
1GTS*DHP2A	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50		1-31	A

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM GTS GAS TREATMENT STANDBY											
DHP *											
1GTS*DMP2B	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1GTS*DMP3A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1GTS*DMP3B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1GTS*DMP4A	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1GTS*DMP4B	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1GTS*DMP5A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1GTS*DMP5B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1GTS*DMP6A	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1GTS*DMP6B	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
FE FLOW ELEMENT											
1GTS*FE24A	FLOW SWITCH FCI	247.433	AB	170	LH	Y	NA	NA	HF		NA A
1GTS*FE24B	FLOW SWITCH FCI	247.433	AB	170	LH	Y	NA	NA	HF		NA A
FLT- *											
1GTS*FLT-1A	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	AB	141	CF	Y	NA	D	HF	9	4 B
1GTS*FLT-1B	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	AB	141	CF	Y	NA	D	HF	9	4 B

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

DOCKET NO. 50-458

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

SYSTEM GTS GAS TREATMENT STANDBY												
FN FAN												
1GTS*FN1A	EXHAUST BLOWERS BUFFALO FORGE	215.400	AB	141	CF	Y	NA	S	NA	20		4 B
1GTS*FN1B	EXHAUST BLOWERS BUFFALO FORGE	215.400	AB	141	CF	Y	NA	S	NA	20		4 B
1GTS*FN2A	DECAY HEAT FAN BUFFALO FORGE	215.400	AB	70	CF	Y	NA	S	NA	112		1 A
1GTS*FN2B	DECAY HEAT FAN BUFFALO FORGE	215.400	AB	141	CF	Y	NA	S	NA	112		4 A
FS FLOW SWITCH												
1GTS*FS24A	FLOW SWITCH FCI	247.433	AB	170	LH	Y	NA	NA	MF			NA A
1GTS*FS24B	FLOW SWITCH FCI	247.433	FB	170	LH	Y	NA	NA	MF			NA A
PT PRESSURE TRANSMITTER												
1GTS*PT15A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	MF			4 NA
1GTS*PT15B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	MF			4 A
RTD RESISTANCE TEMPERATURE RECORDER												
1GTS*RTD18A	THERMOCOUPLES RTD PYCO	247.461	AB	146	LH	Y	NA	NA	MF			4 B
1GTS*RTD18B	THERMOCOUPLES RTD PYCO	247.461	AB	146	LH	Y	NA	NA	MF			4 B
1GTS*RTD27A	THERMOCOUPLES RTD PYCO	247.461	AB	146	LH	Y	NA	NA	MF			4 B

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JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
MSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM GTS GAS TREATMENT STANDBY

RTD RESISTANCE TEMPERATURE RECORDER

1GTS=RTD27B	THERMOCOUPLES RTD PYCO	247.461	AB	146	LM	Y	NA	NA	HF	4 B
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JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	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 G33 REACTOR WATER CLEAN-UP												
BOP EQUIPMENT												
MOVF												
1G33#MOV001	VALVE H.O. 6"-600 LB VELAN	228.212	DW	107	LN	Y	Y	S	HF	54	NA B	Y
1G33#MOV004	VALVE H.O. 6"-600 LB VELAN	228.212	AB	095	LH	Y	Y	S	HF	54	NA B	Y
1G33#MOV028	VALVE H.O. 4"-600 LB VELAN	228.212	CT	147	LH	Y	Y	S	HF	52	NA B	Y
1G33#MOV031	VALVE H.O. 4"-600 LB VELAN	228.212	CT	141	LH	Y	Y	S	HF		NA C	Y
1G33#MOV034	VALVE H.O. 4"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	52	NA B	Y
1G33#MOV035	VALVE H.O. 4"-60 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	52	NA B	Y
1G33#MOV039	VALVE H.O. 6"-900 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	58	NA B	Y
1G33#MOV040	VALVE H.O. 6"-900 LB VELAN	228.212	CT	147	LH	Y	Y	S	HF	58	NA B	Y
1G33#MOV042	VALVE H.O. 6"-900 LB VELAN	228.212	CT	147	LH	Y	Y	S	HF	53	NA B	Y
1G33#MOV044	VALVE H.O. 4"-600 LB VELAN	228.212	CT	147	LH	Y	Y	S	HF	52	NA B	Y
1G33#MOV046	VALVE H.O. 4"-60 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	52	NA B	Y
1G33#MOV053	VALVE H.O. 4"-900 LB VELAN	228.212	CT	147	LH	Y	Y	S	HF	44	NA B	Y
1G33#MOV054	VALVE H.O. 4"-900 LB VELAN	228.212	AB	147	LH	Y	Y	S	HF	44	NA B	Y
1G33#MOV100	VALVE H.O. 4"-60 LB VELAN	228.212	DW	081	LH	Y	Y	S	HF	52	NA B	Y
1G33#MOV102	VALVE H.O. 6"-600 LB VELAN	228.212	DW	081	LH	Y	Y	S	HF	65	NA B	Y
1G33#MOV104	VALVE H.O. 4"-900 LB VELAN	228.212	CT	147	LH	Y	Y	S	HF	48	NA B	Y
1G33#MOV106	VALVE H.O. 4"-60 LB VELAN	228.212	DW	081	LH	Y	Y	S	HF	52	NA B	Y

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM G33 REACTOR WATER CLEAN-UP

BOP EQUIPMENT
MOV

1G33*MOV107	VALVE H.O. 4"-900 LB VELAN	278.212	CT	147	LH	Y	Y	S	HF	48	NA B	Y
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MOV MOTOR OPERATED VALVE

1G33*MOV101	VALVE H.O. 3"-600 LB VELAN	228.212	RB	081	LH	Y	Y	S	HF	49	NA B	Y
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SOVF

1G33*SOVF041	VALVE 3/4" TARGET ROCK	247.501	AB	114	LH	Y	NA	S	HF		NA A	
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JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---
***** QUAL INST												
SYSTEM HCS HYDROGEN RECOMBINER												
BOP EQUIPMENT												
PHRS POWER SUPPLY												
1HCS*PHRS1A	POWER CABINET WESTINGHOUSE	224.520	AB	141	CF	Y	NA	N	NA	3	4	A
1HCS*PHRS1B	POWER CABINET WESTINGHOUSE	224.520	AB	141	CF	Y	NA	N	NA	3	4	A
RBNR *												
1HCS*RBNR1A	HYDROGEN RECOMBINER WESTINGHOUSE	224.520	CT	186	CF	Y	Y	S	MF	11	62,129,162	B
1HCS*RBNR1B	HYDROGEN RECOMBINER WESTINGHOUSE	224.520	CT	186	CF	Y	Y	S	MF	11	62,129,162	B

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JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HDL

*

BOP EQUIPMENT

MOV MOTOR OPERATED VALVE

1HDL*MOV58A	VALVE M.O. 1"-600 LB VELAN	228.216	TB	067	LH	Y	NA	S	HF	NA B
1HDL*MOV58B	VALVE M.O. 1"-600 LB VELAN	228.216	TB	067	LH	Y	NA	S	HF	NA B
1HDL*MOV58C	VALVE M.O. 1"-600 LB VELAN	228.216	TB	067	LH	Y	NA	S	HF	NA B

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

DOCKET NO. 50-456

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

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

AOD AIR OPERATED DAMPER

1HVC*AOD106	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVC*AOD107	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVC*AOD108	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVC*AOD12A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVC*AOD12B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVC*AOD148	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVC*AOD169	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVC*AOD170	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVC*AOD171	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A

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
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-450

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

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

AOD AIR OPERATED DAMPER

EQUIP. ID	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	
1HVCW AOD173	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HH	Y	NA	S	NA	39	1-31 A
1HVCW AOD19A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVCW AOD19B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVCW AOD19C	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVCW AOD19D	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVCW AOD19E	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVCW AOD19F	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVCW AOD3A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVCW AOD3B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVCW AOD35A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVCW AOD35B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVCW AOD35C	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVCW AOD35D	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVCW AOD38A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVCW AOD38B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVCW AOD43A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A
1HVCW AOD43B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB			HM	Y	NA	S	NA	39	1-31 A

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

AOD AIR OPERATED DAMPER

1HVC#A005A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-31 A
1HVC#A005B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-31 A
1HVC#A0051A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-31 A
1HVC#A0051B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-31 A
1HVC#A0052A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-31 A
1HVC#A0052B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-31 A
1HVC#A006A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-31 A
1HVC#A006B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-31 A
1HVC#A0070A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-31 A
1HVC#A0070B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-31 A
1HVC#A0071A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-31 A
1HVC#A0071B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-31 A
1HVC#A008A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-31 A
1HVC#A008B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-31 A

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

CH COIL HEATER

1HVC*CHIA	ELECT. HEATING COIL BUFFALO FORGE	216.200	CB	115	EH	Y	NA	D	NA		8 D
1HVC*CHIB	ELECT HEATING COIL BUFFALO FORGE	216.200	CB	115	EH	Y	NA	D	NA		8 D

DHP	*										
1HVC*DHP 8	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB			Y	NA	S	NA	50	1-31 A

DHPF	*										
1HVC*DHPF1	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	HF	20	1-31 A
1HVC*DHPF10	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	HF	20	1-31 A
1HVC*DHPF100	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	HF	20	1-31 A
1HVC*DHPF101	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	HF	20	1-31 A
1HVC*DHPF102	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	HF	20	1-31 A
1HVC*DHPF103	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	HF	20	1-31 A
1HVC*DHPF104	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	HF	20	1-31 A
1HVC*DHPF105	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	HF	20	1-31 A
1HVC*DHPF106	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	HF	20	1-31 A
1HVC*DHPF107	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	HF	20	1-31 A

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	EQUIPMENT		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION	MANUFACTURER	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DMPF

1HVCwDMPF108	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	20	1-31	A
1HVCwDMPF109	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	20	1-31	A
1HVCwDMPF111	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	20	1-31	A
1HVCwDMPF110	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	20	1-31	A
1HVCwDMPF111	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	20	1-31	A
1HVCwDMPF112	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	20	1-31	A
1HVCwDMPF113	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	20	1-31	A
1HVCwDMPF114	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	20	1-31	A
1HVCwDMPF115	EXHAUST AIR DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	20	1-31	A
1HVCwDMPF116	EXHAUST AIR DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	20	1-31	A
1HVCwDMPF117	EXHAUST AIR DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	20	1-31	A
1HVCwDMPF118	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	20	1-31	A
1HVCwDMPF119	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	20	1-31	A
1HVCwDMPF12	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	20	1-31	A
1HVCwDMPF13	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	20	1-31	A
1HVCwDMPF14	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	20	1-31	A
1HVCwDMPF15	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	20	1-31	A

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

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---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											
DHPF *											
1HVCwDHPF16	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-31	A
1HVCwDHPF17	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-31	A
1HVCwDHPF18	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-31	A
1HVCwDHPF19	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-31	A
1HVCwDHPF2	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-31	A
1HVCwDHPF20	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-31	A
1HVCwDHPF21	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-31	A
1HVCwDHPF22	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-31	A
1HVCwDHPF23	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-31	A
1HVCwDHPF24	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-31	A
1HVCwDHPF25	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-31	A
1HVCwDHPF26	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-31	A
1HVCwDHPF27	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-31	A
1HVCwDHPF28	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-31	A
1HVCwDHPF29	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-31	A
1HVCwDHPF3	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	39	1-31	A
1HVCwDHPF30	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20	1-31	A

JOB NAME RB5 - UNIT 1
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DHPF

1HVC*DHPF31	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DHPF32	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DHPF33	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DHPF34	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DHPF35	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DHPF36	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DHPF37	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DHPF38	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DHPF39	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DHPF4	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	39	1-31	A
1HVC*DHPF40	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DHPF41	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DHPF42	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DHPF43	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DHPF44	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DHPF45	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DHPF46	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA												
DMPF												
1HVC*DMPF47	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DMPF48	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DMPF49	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DMPF5	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DMPF50	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DMPF51	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DMPF52	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DMPF53	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DMPF54	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DMPF55	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DMPF56	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DMPF57	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DMPF58	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DMPF59	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DMPF6	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	39	1-31	A
1HVC*DMPF60	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A
1HVC*DMPF61	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31	A

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

EQUIP. ID	DESCRIPTION	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF
DMPF	*										
1HVCwDMPF62	FIRE DRAWER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A
1HVCwDMPF63	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A
1HVCwDMPF64	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A
1HVCwDMPF65	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A
1HVCwDMPF66	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A
1HVCwDMPF67	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A
1HVCwDMPF68	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A
1HVCwDMPF69	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A
1HVCwDMPF7	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A
1HVCwDMPF70	FIRE DRAWER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A
1HVCwDMPF71	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A
1HVCwDMPF72	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A
1HVCwDMPF73	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A
1HVCwDMPF74	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A
1HVCwDMPF75	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A
1HVCwDMPF76	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A
1HVCwDMPF77	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF
DMPF	*									
1HVCwDMPF76	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	MF	20	1-31 A
1HVCwDMPF79	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	MF	20	1-31 A
1HVCwDMPF8	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	MF	20	1-31 A
1HVCwDMPF80	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	MF	20	1-31 A
1HVCwDMPF81	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	MF	20	1-31 A
1HVCwDMPF82	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	MF	20	1-31 A
1HVCwDMPF83	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	MF	20	1-31 A
1HVCwDMPF84	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	MF	20	1-31 A
1HVCwDMPF85	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	MF	20	1-31 A
1HVCwDMPF86	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	MF	20	1-31 A
1HVCwDMPF87	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	MF	20	1-31 A
1HVCwDMPF88	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	MF	20	1-31 A
1HVCwDMPF89	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	MF	20	1-31 A
1HVCwDMPF9	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	MF	20	1-31 A
1HVCwDMPF90	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	MF	20	1-31 A
1HVCwDMPF91	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	MF	20	1-31 A
1HVCwDMPF92	FIRE DAMPER QUALITY AIR DESIGN	215.460	ORB	DH	Y	NA	S	MF	20	1-31 A

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DMPF *											
1HVC*DMPF93	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A
1HVC*DMPF94	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A
1HVC*DMPF95	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A
1HVC*DMPF96	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A
1HVC*DMPF97	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A
1HVC*DMPF98	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A
1HVC*DMPF99	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DW	Y	NA	S	MF	20	1-31 A

DHP *											
1HVC*DHP10	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP11	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP12	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S		50	1-31 A
1HVC*DHP13	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP14	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP15	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP16	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP17	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A

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

DOCKET NO. 50-458

EQUIP. ID	EQUIPMENT		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*DHP18	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP19	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP2	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP20	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP21	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP22	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP23	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP24	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP25	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-3 A
1HVC*DHP26	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP27	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP28	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP29	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	N	S	NA	50	1-31 A
1HVC*DHP3	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP30	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP31	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP32	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-31 A

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

DOCKET NO. 50-458

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

 QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOHEST	RRS REF
DHP											*
1HVC*DHP33	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP34	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP35	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP36	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP37	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP38	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP39	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP4A	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP4B	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP40	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP41	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP42	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP43	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP44	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP45	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP46	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVC*DHP47	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA										
DMP	*									
1HVC*DMP48	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-31 A
1HVC*DMP49	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-31 A
1HVC*DMP5A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-31 A
1HVC*DMP5B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-31 A
1HVC*DMP50	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-31 A
1HVC*DMP51	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-31 A
1HVC*DMP52	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-31 A
1HVC*DMP53	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-31 A
1HVC*DMP54	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-31 A
1HVC*DMP55	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-31 A
1HVC*DMP56	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-31 A
1HVC*DMP57	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-31 A
1HVC*DMP58	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-31 A
1HVC*DMP59	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-31 A
1HVC*DMP6	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-31 A
1HVC*DMP60	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-31 A
1HVC*DMP61	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	50	1-31 A

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

DOCKET NO. 50-458

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

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA												
DHP *												
1HVCwDMP62	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50		1-31 A
1HVCwDMP63	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50		1-31 A
1HVCwDMP64	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50		1-31 A
1HVCwDMP65	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50		1-31 A
1HVCwDMP66	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50		1-31 A
1HVCwDMP67	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50		1-31 A
1HVCwDMP68	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50		1-31 A
1HVCwDMP69	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50		1-31 A
1HVCwDMP7	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50		1-31 A
1HVCwDMP70	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50		1-31 A
1HVCwDMP71	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50		1-31 A
1HVCwDMP72	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50		1-31 A
1HVCwDMP73	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50		1-31 A
1HVCwDMP74	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50		1-31 A
1HVCwDMP75	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50		1-31 A
1HVCwDMP76	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50		1-31 A
1HVCwDMP77	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50		1-31 A

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA											
DHP *											
1HVC*DMP78	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1HVC*DMP79	BACHDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1HVC*DMP80	BACHDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1HVC*DMP81	BACHDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1HVC*DMP82	TORNADO DAMPER QUALITY AIR DESIGN	215.480	SW-CL	159	HM	Y	NA	S	50		34 B
1HVC*DMP83	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1HVC*DMP84	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1HVC*DMP85	TORNADO DAMPERS QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1HVC*DMP86	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1HVC*DMP87	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1HVC*DMP88	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1HVC*DMP89	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1HVC*DMP9	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1HVC*DMP91	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1HVC*DMP92	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1HVC*DMP93	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1HVC*DMP94	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A

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

DOCKET NO. 50-458

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

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DHP												
1HVCW DHP95	TORNADO DAMPER QUALITY AIR DESIGN	215.480	SH-CL	159	HM	Y	NA	S	NA	50	34	
1HVCW DHP96	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31	B
1HVCW DHP97	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31	A

FE FLOW ELEMENT

1HVCW FE36A	FLOW SWITCH FCI	247.433	CB	98	LH	Y	NA	NA	HF		NA	
1HVCW FE36B	FLOW SWITCH FCI	247.433	CB	98	LH	Y	NA	NA	HF		NA	Y
1HVCW FE37A	FLOW SWITCH FCI	247.433	CB	98	LH	Y	NA	NA	HF		NA	Y
1HVCW FE37B	FLOW SWITCH FCI	247.433	CB	98	LH	Y	NA	NA	HF		NA	Y
1HVCW FE61A	FLOW SWITCH FCI	247.433	CB	98	LH	Y	NA	NA	HF		NA	Y
1HVCW FE61B	FLOW SWITCH FCI	247.433	CB	98	LH	Y	NA	NA	HF		NA	Y
1HVCW FE62A	FLOW SWITCH FCI	247.433	CB	98	LH	Y	NA	NA	HF		NA	Y
1HVCW FE62B	FLOW SWITCH FCI	247.433	CB	98	LH	Y	NA	NA	HF		NA	Y
1HVCW FE65A	FLOW SWITCH FCI	247.433	CB	98	LH	Y	NA	NA	HF		NA	Y
1HVCW FE65B	FLOW SWITCH FCI	247.433	CB	98	LH	Y	NA	NA	HF		NA	Y
1HVCW FE65C	FLOW SWITCH FCI	247.433	CB	98	LH	Y	NA	NA	HF		NA	Y
1HVCW FE66A	FLOW SWITCH FCI	247.433	CB	98	LH	Y	NA	NA	HF		NA	Y

JOB NAME RBS - UNIT 1
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
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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 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 A	Y
FLT-												
1HVC*FLT-3A	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	CB	112	CF	Y	NA	D	HF	22	8 B	
1HVC*FLT-3B	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	CB	112	CF	Y	NA	D	HF	22	8 B	
FLT FILTER												
1HVC*FLT2	AIR FILTER BUFFALO FORGE	216.200	CB	112	EH	Y	NA	D	NA	13	8 A	
FN FAN												
1HVC*FN1A	AIR BLOWER BUFFALO FORGE	215.400	CB	115	CF	Y	NA	S	NA	112	3 A	
1HVC*FN1B	AIR BLOWER BUFFALO FORGE	215.400	CB	115	CF	Y	NA	S	NA	112	3 A	
1HVC*FN2A	RETURN AIR FAN BUFFALO FORGE	215.350	CB	81	CF	Y	NA	S	NA	61	7 A	
1HVC*FN2B	RETURN AIR FAN BUFFALO FORGE	215.350	CB	81	CF	Y	NA	S	NA	61	7 A	
1HVC*FN3A	EXHAUST AIR FANS BUFFALO FORGE	215.400	CB	128	CF	Y	NA	S	NA	62	8 B	
1HVC*FN3B	EXHAUST AIR FANS BUFFALO FORGE	215.400	CB	115	CF	Y	NA	S	NA	62	8 B	
1HVC*FN3C	EXHAUST AIR FANS BUFFALO FORGE	215.400	CB	116	CF	Y	NA	S	NA	62	8 B	

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

FN FAN

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

FS FLOW SWITCH

1HVC*FS36A	FLOW SWITCH FCI	247.433	CB	70	LH	Y	NA	NA	HF		NA	A
1HVC*FS36B	FLOW SWITCH FCI	247.433	CB	70	LH	Y	NA	NA	HF		NA	A
1HVC*FS37A	FLOW SWITCH FCI	247.433	CB	70	LH	Y	NA	NA	HF		NA	A
1HVC*FS37B	FLOW SWITCH FCI	247.433	CB	70	LH	Y	NA	NA	HF		NA	A
1HVC*FS61A	FLOW SWITCH FCI	247.433	CB	115	LH	Y	NA	NA	HF		NA	A
1HVC*FS61B	FLOW SWITCH FCI	247.433	CB	98	LH	Y	NA	NA	HF		NA	A
1HVC*FS62A	FLOW SWITCH FCI	247.433	CB	116	LH	Y	NA	NA	HF		NA	A
1HVC*FS62B	FLOW SWITCH FCI	247.433	CB	116	LH	Y	NA	NA	HF		NA	A
1HVC*FS65A	FLOW SWITCH FCI	247.433	CB	116	LH	Y	NA	NA	HF		NA	A
1HVC*FS65B	FLOW SWITCH FCI	247.433	CB	116	LH	Y	NA	NA	HF		NA	A

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

DOCKET NO. 50-458

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

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA												
FS FLOW SWITCH												
1HVC*FS65C	FLOW SWITCH FCI	247.433	CB	116	LH	Y	NA	NA	HF		NA A	
1HVC*FS66A	FLOW SWITCH FCI	247.433	CB	98	LH	Y	NA	NA	HF		NA A	Y
1HVC*FS66B	FLOW SWITCH FCI	247.433	CB	98	LH	Y	NA	NA	HF		NA A	Y
MOD MOTOR OPERATED DAMPER												
1HVC*MOD7A	MOTOR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	122	1-31 A	
1HVC*MOD7B	MOTOR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	122	1-31 A	
MOV MOTOR OPERATED VALVE												
1HVC*MOV1A	24"-150# BUTTERFLY POSI SEAL	228.241	CB	115	LH	Y	NA	D	NA	48	NA A	Y
1HVC*MOV1B	24"-150# BUTTERFLY POSI SEAL	228.241	CB	115	LH	Y	NA	D	NA	48	NA A	
PNL PANEL												
1HVC*PNL13A	CONTROL PANEL BUFFALO FORGE	216.200	CB	70	CF	Y	NA	D	NA	12	6 A	
1HVC*PNL13B	CONTROL PANEL BUFFALO FORGE	216.200	CB	70	CF	Y	NA	D	NA	12	6 A	

07/31/84

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

RTD RESISTANCE TEMPERATURE RECORDER

1HVCwRTD41A	THERMOCOUPLES RTD PYCO	247.461	CB	116	DH	Y	NA	NA	MF		6 B
1HVCwRTD41B	THERMOCOUPLES RTD PYCO	247.461	CB	116	DH	Y	NA	NA	MF		6 B
1HVCwRTD44A	THERMOCOUPLES RTD PYCO	247.461	CB	70	LH	Y	NA	NA	MF		NA B
1HVCwRTD44B	THERMOCOUPLES RTD PYCO	247.461	CB	70	LH	Y	NA	NA	MF		NA B
1HVCwRTD58A	THERMOCOUPLES RTD PYCO	247.461	CB	98	DH	Y	NA	NA	MF		7 B
1HVCwRTD58B	THERMOCOUPLES RTD PYCO	247.461	CB	98	DH	Y	NA	NA	MF		7 B

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JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVF VENTILATION - FUEL BUILDING

BOP EQUIPMENT

AOD AIR OPERATED DAMPER

1HVF*AOD101	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	148	HH	Y	NA	S	NA	39	1-31 A
1HVF*AOD102	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	148	HH	Y	NA	S	NA	39	1-31 A
1HVF*AOD104	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	148	HH	Y	NA	S	NA	39	1-31 A
1HVF*AOD112	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	148	HH	Y	NA	S	NA	39	1-31 A
1HVF*AOD122	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	148	HH	Y	NA	S	NA	39	1-31 A
1HVF*AOD137	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	148	HH	Y	NA	S	NA	39	1-31 A
1HVF*AOD20A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	148	HH	Y	NA	S	NA	39	1-31 A
1HVF*AOD20B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	148	HH	Y	NA	S	NA	39	1-31 A
1HVF*AOD3A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	148	HH	Y	NA	S	NA	39	1-31 A
1HVF*AOD3B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	148	HH	Y	NA	S	NA	39	1-31 A
1HVF*AOD31A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	148	HH	Y	NA	S	NA	39	1-31 A
1HVF*AOD31B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	148	HH	Y	NA	S	NA	39	1-31 A
1HVF*AOD33A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	148	HH	Y	NA	S	NA	39	1-31 A
1HVF*AOD33B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	148	HH	Y	NA	S	NA	39	1-31 A
1HVF*AOD37A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	148	HH	Y	NA	S	NA	39	1-31 A
1HVF*AOD37B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	148	HH	Y	NA	S	NA	39	1-31 A

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVF VENTILATION - FUEL BUILDING												

DHPF												
1HVFwDHPF1	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	148	DW	Y	NA	S	HF	20	1-31	A
1HVFwDHPF10	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	148	HM	Y	NA	S	HF	20	1-31	A
1HVFwDHPF11	215.480 QUALITY AIR DESIGN	215.480	ORB	148	DW	Y	NA	S	HF	20	1-31	A
1HVFwDHPF12	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	148	DW	Y	NA	S	HF	20	1-31	A
1HVFwDHPF13	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	148	DW	Y	NA	S	HF	20	1-31	A
1HVFwDHPF14	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	148	DW	Y	NA	S	HF	20	1-31	A
1HVFwDHPF15	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	148	DW	Y	NA	S	HF	20	1-31	A
1HVFwDHPF16	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	148	DW	Y	NA	S	HF	20	1-31	A
1HVFwDHPF17	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	70	DW	Y	NA	S	HF	20	1-31	A
1HVFwDHPF18	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	70	DW	Y	NA	S	HF	20	1-31	A
1HVFwDHPF2	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	148	DW	Y	NA	S	HF	20	1-31	A
1HVFwDHPF3	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	148	DW	Y	NA	S	HF	20	1-31	A
1HVFwDHPF4	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	148	DW	Y	NA	S	HF	20	1-31	A
1HVFwDHPF5	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	148	DW	Y	NA	S	HF	20	1-31	A
1HVFwDHPF6	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	148	DW	Y	NA	S	HF	20	1-31	A
1HVFwDHPF7	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	148	DW	Y	NA	S	HF	20	1-31	A
1HVFwDHPF8	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	148	DW	Y	NA	S	HF	20	1-31	A

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

DOCKET NO. 50-458

EQUIP. ID	EQUIPMENT		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											
DMPF		*									
1HVFwDMPF9	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	148 DH	Y	NA	S	HF	20	1-31 A	
DMP		*									
1HVFwDMP1	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-31 A	
1HVFwDMP12	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		Y	NA	S	NA	50	1-31 A	
1HVFwDMP13	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		Y	NA	S	NA	50	1-31 A	
1HVFwDMP14	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		Y	NA	S	NA	50	1-31 A	
1HVFwDMP15	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		Y	NA	S	NA	50	1-31 A	
1HVFwDMP16	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		Y	NA	S	NA	50	1-31 A	
1HVFwDMP17	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		Y	NA	S	NA	50	1-31 A	
1HVFwDMP18A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-31 A	
1HVFwDMP18B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-31 A	
1HVFwDMP18C	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-31 A	
1HVFwDMP18D	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-31 A	
1HVFwDMP18E	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-31 A	
1HVFwDMP19	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		Y	NA	S	NA	50	1-31 A	
1HVFwDMP2	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50	1-31 A	

JOB NAME RBS - UNIT 1
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
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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*DHP20	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB			Y	NA	S	NA	50	1-31 A
1HVF*DHP21	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB			Y	NA	S	NA	50	1-31 A
1HVF*DHP22	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB			Y	NA	S	NA	50	1-31 A
1HVF*DHP3	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVF*DHP4A	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVF*DHP4B	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVF*DHP5A	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVF*DHP5B	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVF*DHP6	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVF*DHP7	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVF*DHP8	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVF*DHP9A	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVF*DHP9B	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
FE FLOW ELEMENT											
1HVF*FE109	FLOW SWITCH FCI	247.433	FB	148	LH	Y	NA	NA	HF		NA A
1HVF*FE32A	FLOW SWITCH FCI	247.433	FB	148	LH	Y	NA	NA	HF		NA A

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

DOCKET NO. 50-458

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

SYSTEM HVF VENTILATION - FUEL BUILDING											
FE FLOW ELEMENT											
1HVF*FE32B	FLOW SWITCH FCI	247.433	FB	148	LH	Y	NA	NA	HF		NA A
FLT-											
1HVF*FLT-2A	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	FB	150	CF	Y	NA	D	HF	20	19 B
1HVF*FLT-2B	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	FB	150	CF	Y	NA	D	HF	20	19 B
FN FAN											
1HVF*FN3A	EXHAUST BLOWERS BUFFALO FORGE	215.400	FB	148	CF	Y	NA	S	NA	31	8 B
1HVF*FN3B	EXHAUST BLOWERS BUFFALO FORGE	215.400	FB	148	CF	Y	NA	S	NA	31	19 B
1HVF*FN7A	DECAY HEAT FANS BUFFALO FORGE	215.400	FB	148	CF	Y	NA	S	NA	112	19 B
1HVF*FN7B	DECAY HEAT FANS BUFFALO FORGE	215.400	FB	148	CF	Y	NA	S	NA	112	19 B
FS FLOW SWITCH											
1HVF*FS109	FLOW SWITCH FCI	247.433	FB	148	LH	Y	NA	NA	HF		NA A
1HVF*FS32A	FLOW SWITCH FCI	247.433	FB	148	LH	Y	NA	NA	HF		NA A
1HVF*FS32B	FLOW SWITCH FCI	247.433	FB	148	LH	Y	NA	NA	HF		NA A

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

QUAL INST

SYSTEM HVF VENTILATION - FUEL BUILDING

PT PRESSURE TRANSMITTER

1HVFwPT38A	PRESS TRANSHITT ROSEHOUNT	247.481	FB	148	RH	Y	NA	NA	HF	19 A
1HVFwPT38B	PRESS TRANSHITT ROSEHOUNT	247.481	FB	148	RH	Y	NA	NA	HF	19 A Y

RTD RESISTANCE TEMPERATURE RECORDER

1HVFwRTD1A	THERMOCOUPLES RTD PYCO	247.461	FB	148		Y	NA	NA	HF	19 B
1HVFwRTD1B	THERMOCOUPLES RTD PYCO	247.461	FB	148		Y	NA	NA	HF	19 B
1HVFwRTD30A	THERMOCOUPLES RTD PYCO	247.461	FB	148		Y	NA	NA	HF	19 B
1HVFwRTD30B	THERMOCOUPLES RTD PYCO	247.461	FB	148		Y	NA	NA	HF	19 B

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVK CHILLED WATER - CONTROL 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
1HVK*CHL1B	LIQUID CHILLERS CARRIER CORP.	216.210	CB	98	CF	Y	NA	S	NA	24	7	A
1HVK*CHL1C	LIQUID CHILLERS CARRIER CORP.	216.210	CB	98	CF	Y	NA	S	NA	24	7	A
1HVK*CHL1D	LIQUID CHILLERS CARRIER CORP.	216.210	CB	98	CF	Y	NA	S	NA	24	7	A
FTX *												
1HVK*FTX5A	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	NA	NA	HF		7	A Y
1HVK*FTX5B	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	NA	NA	HF		7	A Y
1HVK*FTX5C	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	NA	NA	HF		7	A Y
1HVK*FTX5D	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	NA	NA	HF		7	A Y
FTY *												
1HVK*FTY5A	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	NA	NA	HF		7	A Y
1HVK*FTY5B	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	NA	NA	HF		7	A Y
1HVK*FTY5C	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	NA	NA	HF		7	A Y
1HVK*FTY5D	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	NA	NA	HF		7	A Y

JOB NAME RBS - UNIT 1
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
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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	LONEST	STATUS	QUAL INST

SYSTEM HVK CHILLED WATER - CONTROL BUILDIG OR AREA												
P PUMP												
1HVKwP1A	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	NA	S	NA	41	7 A	Y
1HVKwP1B	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	NA	S	NA	41	7 A	Y
1HVKwP1C	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	NA	S	NA	41	7 A	Y
1HVKwP1D	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	NA	S	NA	41	7 A	Y
RV *												
1HVKwRV45A	RELIEF VALVES CROSBY	247.521	CB	98	LH	Y	NA	S	SO	185	NA B	
1HVKwRV45B	RELIEF VALVES CROSBY	247.521	CB	98	LH	Y	NA	S	SO	185	NA B	
TV TEMPERATURE VALVE												
1HVKwTV16A	3"-150# GLOBE COPEES VULCAN	247.497	CB	115	LH	Y	NA	S	NA	91	NA B	
1HVKwTV16B	3"-16B GLOBE COPEES VULCAN	247.497	CB	115	LH	Y	NA	S	NA	91	NA B	Y
1HVKwTV17A	3"-150# GLOBE COPEES VULCAN	247.497	CB	070	LH	Y	NA	S	NA	91	NA B	
1HVKwTV17B	3"-150# GLOBE COPEES VULCAN	247.497	CB	070	LH	Y	NA	S	NA	91	NA B	
1HVKwTV18A	1 1/2"-150# GLOBE COPEES VULCAN	247.497	CB	098	LH	Y	NA	S	NA	91	NA B	Y
1HVKwTV18B	1 1/2"-150# GLOBE COPEES VULCAN	247.497	CB	098	LH	Y	NA	S	NA	91	NA B	Y

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

DOCKET NO. 50-456

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

SYSTEM HVK CHILLED WATER - CONTROL BUILDING OR AREA

TH

*

1HVK*TH13A	THERMOCOUPLES RTD PYCO	247.461	CB	98	LH	Y	NA	NA	HF	NA B
1HVK*TH13B	THERMOCOUPLES RTD PYCO	247.461	CB	98	LH	Y	NA	NA	HF	NA B
1HVK*TH13C	THERMOCOUPLES RTD PYCO	247.461	CB	98	LH	Y	NA	NA	HF	NA B
1HVK*TH13D	THERMOCOUPLES RTD PYCO	247.461	CB	98	LH	Y	NA	NA	HF	NA B
1HVK*TH21A	THERMOCOUPLES RTD PYCO	247.461	CB	98	LH	Y	NA	NA	HF	NA B
1HVK*TH21B	THERMOCOUPLES RTD PYCO	247.461	CB	98	LH	Y	NA	NA	HF	NA B
1HVK*TH22A	THERMOCOUPLES RTD PYCO	247.461	CB	98	LH	Y	NA	NA	HF	NA B
1HVK*TH22B	THERMOCOUPLES RTD PYCO	247.461	CB	98	LH	Y	NA	NA	HF	NA B
1HVK*TH23A	THERMOCOUPLES RTD PYCO	247.461	CB	98	LH	Y	NA	NA	HF	NA B
1HVK*TH23B	THERMOCOUPLES RTD PYCO	247.461	CB	98	LH	Y	NA	NA	HF	NA B
1HVK*TH27A	THERMOCOUPLES RTD PYCO	247.461	CB	98	LH	Y	NA	NA	HF	NA B
1HVK*TH27B	THERMOCOUPLES RTD PYCO	247.461	CB	98	LH	Y	NA	NA	HF	NA B
1HVK*TH28A	THERMOCOUPLES RTD PYCO	247.461	CB	98	LH	Y	NA	NA	HF	NA B
1HVK*TH28B	THERMOCOUPLES RTD PYCO	247.461	CB	98	LH	Y	NA	NA	HF	NA B
1HVK*TH29A	THERMOCOUPLES RTD PYCO	247.461	CB	98	LH	Y	NA	NA	HF	NA B
1HVK*TH29B	THERMOCOUPLES RTD PYCO	247.461	CB	98	LH	Y	NA	NA	HF	NA B
1HVK*TH30A	THERMOCOUPLES RTD PYCO	247.461	CB	98	LH	Y	NA	NA	HF	NA B

07/31/84

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVK CHILLED WATER - CONTROL BUILDIG OR AREA

TH		*									
1HVK*TH30B	THERMOCOUPLES RTD PYCO	247.461	CB	98	LH	Y	NA	NA	HF		NA B
1HVK*TH9A	THERMOCOUPLES RTD PYCO	247.461	CB	98	LH	Y	NA	NA	HF		NA B
1HVK*TH9B	THERMOCOUPLES RTD PYCO	247.461	CB	98	LH	Y	NA	NA	HF		NA B

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

DOCKET NO. 50 458

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

SYSTEM HVN CHILLED WATER - VENTILATION

BOP EQUIPMENT

HOV MOTOR OPERATED VALVE

1HVN#HOV102	VALVE H.O. 8"-600 LB VELAN	228.212	CT	141	LH	Y	Y	S	HF	49	NA F	Y
1HVN#HOV127	VALVE H.O. 8"-600 LB VELAN	228.212	CT	141	LH	Y	Y	S	HF	49	NA B	Y
1HVN#HOV128	VALVE H.O. 8"-600 LB VELAN	228.212	CT	141	LH	Y	Y	S	HF	49	NA B	Y
1HVN#HOV129	VALVE H.O. 8"-600 LB VELAN	228.212	CT	141	LH	Y	Y	S	HF	49	NA B	Y
1HVN#HOV130	VALVE H.O. 8"-600 LB VELAN	228.212	AB	141	LH	Y	Y	S	HF	49	NA B	Y
1HVN#HOV22A	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162	LH	Y	Y	S	HF	54	NA B	Y
1HVN#HOV22B	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162	LH	Y	Y	S	HF	54	NA B	Y

RV

1HVN#RV196	RELIEF VALVES CROSBY	247.521	RB	145	LH	Y	Y	S	SO	157	NA A	
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TV TEMPERATURE VALVE

1HVN#TV5A	4"-150# GLOBE FISHER CONTROLS	247.491	CT	164	LH	Y	Y				NA D	Y
1HVN#TV5B	4"-150# GLOBE FISHER CONTROLS	247.491	CT	164	LH	Y	Y				NA D	Y

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JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVN CHILLED WATER - VENTILATION

TH		*									
1HVN*TH1A	THERMOCOUPLES RTD PYCO		247.461	RB	164	LH	Y	Y	NA	HF	NA B
1HVN*TH1B	THERMOCOUPLES RTD PYCO		247.461	RB	164	LH	Y	Y	NA	HF	NA B

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

DOCKET NO. 50-458

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

QUAL INST

SYSTEM HVP VENTILATION - DIESEL GENERATOR BUILDINGBOP EQUIPMENT
DHPF

*

1HVP&DHPF6	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S			20	1-31 A
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AOD AIR OPERATED DAMPER

1HVP*AOD11A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA		39	1-31 A
1HVP*AOD11B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA		39	1-31 A
1HVP*AOD11C	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA		39	1-31 A

DHPF

*

1HVP*DHPF1	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF		20	1-31 A
1HVP*DHPF10	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF		20	1-31 A
1HVP*DHPF11	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF		20	1-31 A
1HVP*DHPF12	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF		20	1-31 A
1HVP*DHPF13	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF		20	1-31 A
1HVP*DHPF14	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF		20	1-31 A
1HVP*DHPF2	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF		20	1-31 A
1HVP*DHPF3	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF		20	1-31 A
1HVP*DHPF4	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF		20	1-31 A

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

SYSTEM HVP VENTILATION - DIESEL GENERATOR BUILDING

DMPF

*

1HVP*DMPF4A	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20		1-31 A
1HVP*DMPF4B	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20		1-31 A
1HVP*DMPF4C	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20		1-31 A
1HVP*DMPF5	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20		1-31 A
1HVP*DMPF5A	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20		1-31 A
1HVP*DMPF5B	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20		1-31 A
1HVP*DMPF5C	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20		1-31 A
1HVP*DMPF7	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20		1-31 A
1HVP*DMPF8	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20		1-31 A
1HVP*DMPF9	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	HF	20		1-31 A

DHP

*

1HVP*DHP10A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1HVP*DHP10B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	NA	50		1-31 A
1HVP*DHP11A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1HVP*DHP4	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A
1HVP*DHP5	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	50		1-31 A

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVP VENTILATION - DIESEL GENERATOR BUILDING

SYSTEM HVP VENTILATION - DIESEL GENERATOR BUILDING											
DMP * *											
1HVP*DMP6	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVP*DMP7A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVP*DMP7B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVP*DMP8	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVP*DMP9A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVP*DMP9B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVP*DMP9C	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A

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

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVR VENTILATION - REACTOR PLANT

BOP EQUIPMENT

AOD AIR OPERATED DAMPER

1HVR*AOD10A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*AOD10B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*AOD142	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*AOD143	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*AOD161	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*AOD162	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*AOD164	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*AOD18A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*AOD18B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*AOD214	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*AOD22A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*AOD22B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*AOD23A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*AOD23B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*AOD245	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*AOD249	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*AOD261	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVR VENTILATION - REACTOR PLANT

BOP EQUIPMENT
AOD AIR OPERATED DAMPER

EQUIP. ID	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS
1HVR*AOD262	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A	
1HVR*AOD263	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A	
1HVR*AOD264	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A	
1HVR*AOD51A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	38	1-31 A	
1HVR*AOD51B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A	
1HVR*AOD53A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A	
1HVR*AOD53B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A	

AOV AIR OPERATED VALVE

EQUIP. ID	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS
1HVR*AOV123	36"-150# BUTTERFLY POSI SEAL	228.241	CT	141	LH	Y	Y	D	NA	37	NA B	Y
1HVR*AOV125	24"-150# BUTTERFLY POSI SEAL	228.241	CT	141	LH	Y	Y	D	NA	72	NA B	Y
1HVR*AOV126	24"-150# BUTTERFLY POSI SEAL	228.241	CT	141	LH	Y	Y	D	NA	83	NA B	Y
1HVR*AOV128	36"-150# BUTTERFLY POSI SEAL	228.241	CT	141	LH	Y	Y	D	NA	60	NA B	Y
1HVR*AOV147	24"-150# BUTTERFLY POSI SEAL	228.241	CT	141	LH	Y	Y	D	NA	72	NA B	Y
1HVR*AOV148	24"-150# BUTTERFLY POSI SEAL	228.241	CT	141	LH	Y	Y	D	NA	83	NA B	Y
1HVR*AOV165	36"-150# BUTTERFLY POSI SEAL	228.241	AB	141	LH	Y	Y	D	NA	41	NA B	
1HVR*AOV166	36"-150# BUTTERFLY POSI SEAL	228.241	AB	141	LH	Y	Y	D	NA	41	NA B	Y

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVR VENTILATION - REACTOR PLANT

DMPF

*

1HVR*DMPF1	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF10	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF11	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF12	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF13	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF14	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF15	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF16	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF17	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF18	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF2	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF21	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF22	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF23	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF24	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF25	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF26	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A

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

DOCKET NO. 50-458

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

SYSTEM HVR VENTILATION - REACTOR PLANT

EQUIP. ID	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF
DMPF										*
1HVR*DMPF27	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF28	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF29	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	T	NA	S	MF	>1000	1-31 A
1HVR*DMPF3	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF30	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF31	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF32	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF33	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF34	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF35	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF36	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF37	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF38	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF39	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF4	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF40	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF41	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVR VENTILATION - REACTOR PLANT

DMPF

*

1HVR*DMPF42	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF43	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF44	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF45	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF46	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF47	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF48	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF49	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF50	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF51	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF52	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF53	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF54	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF55	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF56	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF57	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF58	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DW	Y	NA	S	MF	>1000	1-31 A

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVR VENTILATION - REACTOR PLANT

DMPF

1HVR*DMPF59	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF60	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF61	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF62	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF63	FIRE DAMPER QUALITY AIR DESIGN	215.480	SB	177	DH	Y	Y	S	MF	>1000	40,41 A
1HVR*DMPF64	FIRE DAMPER QUALITY AIR DESIGN	215.480	SB	163	DH	Y	Y	S	MF	>1000	48,49 A
1HVR*DMPF65	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF66	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF67	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF68	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF69	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF7	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	>1000	1-31 A
1HVR*DMPF8	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	>1000	1-31 A

DMP

1HVR*DMP1	MAN. BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	CT	182	HM	Y	Y	S	NA	39	48,49 A
1HVR*DMP100	ISOLATION DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	100	1-31 B

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

DOCKET NO. 50-450

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

SYSTEM HVR VENTILATION - REACTOR PLANT												
DMP												
*												
1HVR*DMP101	ISOLATION DAMPER QUALITY AIR DESIGN	215.400	ORB		HM	Y	NA	S	NA	100		1-31
1HVR*DMP11	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.400	SB	99	HM	Y	Y	S	NA	39		B 37,44
1HVR*DMP13	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.400	SB	108	HM	Y	Y	S	NA	39		A 37,44
1HVR*DMP14	PRESSURE RELIEF DAMPER QUALITY AIR DESIGN	215.400	CT	176	HM	Y	Y	S	NA	39		A 48,49
1HVR*DMP15	PRESSURE RELIEF DAMPER QUALITY AIR DESIGN	215.400	CT	176	HM	Y	Y	S	NA	39		A 48,49
1HVR*DMP16	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.400	SB	108	HM	Y	Y	S	NA	39		A 37,44
1HVR*DMP18	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.400	SB	120	HM	Y	Y	S	NA	39		A 37,38
1HVR*DMP19	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.400	SB	163	HM	Y	Y	S	NA	39		A 39,40
1HVR*DMP2	MAN. BACKDRAFT DAMPER QUALITY AIR DESIGN	215.400	CT	102	HM	Y	Y	S	NA	39		A 48,49
1HVR*DMP20	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.400	SB	155	HM	Y	Y	S	NA	39		A 39,40
1HVR*DMP21	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.400	SB	163	HM	Y	Y	S	NA	39		A 39,40
1HVR*DMP22	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.400	SB	232	HM	Y	Y	S	NA	39		A 42,43
1HVR*DMP23	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.400	SB	232	HM	Y	Y	S	NA	39		A 42,43
1HVR*DMP24	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.400	SB	232	HM	Y	Y	S	NA	39		A 42,43
1HVR*DMP25	MAN. BAL. DAMP. QUALITY AIR DESIGN	215.400	SB	232	HM	Y	Y	S	NA	39		A 42,43
1HVR*DMP27	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.400	ORB		HM	Y	NA	S	NA	39		A 1-31
1HVR*DMP28	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.400	ORB		HM	Y	NA	S	NA	39		A 1-31

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

DOCKET NO. 50-458

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

SYSTEM HVR VENTILATION - REACTOR PLANT											
DMP											*
1HVR#DMP29	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	39	1-31 A
1HVR#DMP3	MAN. BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	CT	182	HH	Y	Y	S	NA	39	48,49 A
1HVR#DMP30	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			HH	Y	NA	S	NA	39	A
1HVR#DMP32	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			HH	Y	NA	S	NA	39	A
1HVR#DMP33	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AB	95	HH	Y	NA	S	NA	39	A
1HVR#DMP34	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	39	1-31 A
1HVR#DMP35	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	39	1-31 A
1HVR#DMP38	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	39	1-31 A
1HVR#DMP39	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	39	1-31 A
1HVR#DMP4	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CT	183	HH	Y	Y	S	NA	39	49,49 A
1HVR#DMP41	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	39	1-31 A
1HVR#DMP42	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	39	1-31 A
1HVR#DMP43	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	SB	224	HH	Y	Y	S	NA	39	42,43 A
1HVR#DMP44	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	SB	224	HH	Y	Y	S	NA	39	42,43 A
1HVR#DMP46	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AB	224	HH	Y	NA	S	NA	39	5 B
1HVR#DMP47	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	39	1-31 A
1HVR#DMP48	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HH	Y	NA	S	NA	39	1-31 A

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

DOCKET NO. 50-458

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

SYSTEM HVR VENTILATION - REACTOR PLANT											
DMP *											
1HVR*DMP49	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*DMP5	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CT	179	HM	Y	Y	S	NA	39	48,49 A
1HVR*DMP50	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*DMP51	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*DMP52	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*DMP53	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*DMP54	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*DMP55	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*DMP56	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*DMP57	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*DMP6	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CT	182	HM	Y	Y	S	NA	39	48,49 A
1HVR*DMP63	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-3 A
1HVR*DMP64	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*DMP67	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*DMP68	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB			Y	NA	S	NA	50	1-31 A
1HVR*DMP7	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	39	1-31 A
1HVR*DMP70	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB			Y	NA	S	NA	50	1-31 A

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

SYSTEM HVR VENTILATION - REACTOR PLANT											
DHP *											
1HVR*DMP71	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		Y	NA	S	NA	50		1-31 A
1HVR*DMP72	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		Y	NA	S	NA	50		1-31 A
1HVR*DMP73	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		Y	NA	S	NA	50		1-31 A
1HVR*DMP75	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		Y	NA	S	NA	50		1-31 A
1HVR*DMP77	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		Y	NA	S	NA	50		1-31 A
1HVR*DMP8	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM	Y	NA	S	NA	39		1-31 A
1HVR*DMP80	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		Y	NA	S	NA	50		1-31 A
1HVR*DMP82	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		Y	NA	S	NA	50		1-31 A
1HVR*DMP84	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		Y	NA	S	NA	50		1-31 A
1HVR*DMP85	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		Y	NA	S	NA	50		1-31 A
1HVR*DMP86	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		Y	NA	S	NA	50		1-31 A
1HVR*DMP87	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		Y	NA	S	NA	50		1-31 A
1HVR*DMP88	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		Y	NA	S	NA	50		1-31 A
1HVR*DMP89	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		Y	NA	S	NA	50		1-31 A
1HVR*DMP9	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	SB	98 HM	Y	Y	S	NA	39		37,44 A
1HVR*DMP90	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		Y	NA	S	NA	50		1-31 A
1HVR*DMP91	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		Y	NA	S	NA	50		1-31 A

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVR VENTILATION - REACTOR PLANT

DMP * *****												
1HVR*DMP93	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB			Y	NA	S	NA	50	1-31	A
1HVR*DMP94	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB			Y	NA	S	NA	50	1-31	A
1HVR*DMP96	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB			Y	NA	S	NA	50	1-31	A
1HVR*DMP98	HAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HM		Y	NA	S	NA	50	1-31	A
1HVR*DMP99	ISOLATION DAMPER QUALITY AIR DESIGN	215.480	ORB	HM		Y	NA	S	NA	40	1-31	B

FE FLOW ELEMENT

1HVR*FE111	FLOW SWITCH FCI	247.433	AB	170	LH	Y	NA	NA	MF		NA	A
1HVR*FE113	FLOW SWITCH FCI	247.433	AB	170	LH	Y	NA	NA	MF		NA	A
1HVR*FE163	FLOW SWITCH FCI	247.433	AB	170	LH	Y	NA	NA	MF		NA	A
1HVR*FE28A	FLOW SWITCH FCI	247.433	RB	162	LH	Y	Y	NA	MF		NA	A
1HVR*FE28B	FLOW SWITCH FCI	247.433	RB	162	LH	Y	Y	NA	MF		NA	B
1HVR*FE28C	FLOW SWITCH FCI	247.433	RB	162	LH	Y	Y	NA	MF		NA	B
1HVR*FE29A	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	MF		NA	B
1HVR*FE29B	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	MF		NA	A
1HVR*FE56A	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	MF		NA	A
1HVR*FE56B	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	MF		NA	A

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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---

SYSTEM HVR VENTILATION - REACTOR PLANT

FN FAN

1HVR*FN11A	MIXING FAN BUFFALO FORGE	215.400	AB	170	CF	Y	NA	S	NA	11	5 B
1HVR*FN11B	MIXING FAN BUFFALO FORGE	215.400	AB	170	CF	Y	NA	S	NA	11	5 B

FS FLOW SWITCH

1HVR*FS111	FLOW SWITCH FCI	247.433	AB	170	LH	Y	NA	NA	HF		NA A
1HVR*FS113	FLOW SWITCH FCI	247.433	AB	170	LH	Y	NA	NA	HF		NA A
1HVR*FS163	FLOW SWITCH FCI	247.433	AB	170	LH	Y	NA	NA	HF		NA A
1HVR*FS28A	FLOW SWITCH FCI	247.433	RB	162	LH	Y	NA	NA	HF		NA B
1HVR*FS28B	FLOW SWITCH FCI	247.433	AB	162	LH	Y	NA	NA	HF		NA A
1HVR*FS28C	FLOW SWITCH FCI	247.433	RB	162	LH	Y	Y	NA	HF		NA B
1HVR*FS29A	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	HF		NA A
1HVR*FS29B	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	HF		NA A
1HVR*FS56A	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	HF		NA A
1HVR*FS56B	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	HF		NA A

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

QUAL INST

SYSTEM HVR VENTILATION - REACTOR PLANT

PDT DIFFERENTIAL PRESSURE TRANSMITTER

1HVR*PDT60A	PRESS TRANSHITT ROSEMOUNT	247.481	CB	141	RH	Y	NA	NA	MF		10	
1HVR*PDT60B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	MF		4	Y
1HVR*PDT60C	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	MF		4	
1HVR*PDT60D	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	MF		4	Y
1HVR*PDT60E	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	MF		4	
1HVR*PDT60F	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	MF		4	Y

UC UNIT COOLER

1HVR*UC1A	UNIT COOLER BUFFALO FORGE	215.252	DN-CT	162	DM	Y	Y	D	NA	16	SEE 201	
1HVR*UC1B	UNIT COOLER BUFFALO FORGE	215.252	DN-CT	162	DM	Y	Y	D	NA	16	SEE 201	
1HVR*UC1C	UNIT COOLER BUFFALO FORGE	215.252	DN-CT	162	DM	Y	Y	D	NA	16	SEE 201	
1HVR*UC10	UNIT COOLER BUFFALO FORGE	215.252	AB	130	CF	Y	NA	D	NA	27	4	
1HVR*UC11A	UNIT COOLER BUFFALO FORGE	215.252	AB	141	CF	Y	NA	D	NA	11	4	A
1HVR*UC11B	UNIT COOLER BUFFALO FORGE	215.252	AB	141	CF	Y	NA	D	NA	11	4	A
1HVR*UC12	UNIT COOLER BUFFALO FORGE	215.252	AB	170	CF	Y	NA	D	NA	28	5	A
1HVR*UC13	UNIT COOLER BUFFALO FORGE	215.252	AB	130	CF	Y	NA	D	NA	24	4	B
1HVR*UC2	UNIT COOLER BUFFALO FORGE	215.252	AB	96	CF	Y	NA	D	NA	38	2	B

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JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVR VENTILATION - REACTOR PLANT

UC UNIT COOLER

1HVR*UC3	UNIT COOLER BUFFALO FORGE	215.252	AB	96	CF	Y	NA	D	NA	14	2 A
1HVR*UC4	UNIT COOLER BUFFALO FORGE	215.252	AB	96	CF	Y	NA	D	NA	14	2 A
1HVR*UC5	UNIT COOLER BUFFALO FORGE	215.252	AB	114	CF	Y	NA	D	NA	14	3 A
1HVR*UC6	UNIT COOLER BUFFALO FORGE	215.252	AB	114	CF	Y	NA	D	NA	11	3 A
1HVR*UC7	UNIT COOLER BUFFALO FORGE	215.252	AB	114	CF	Y	NA	D	NA	14	3 A
1HVR*UC8	UNIT COOLER BUFFALO FORGE	215.252	AB	114	CF	Y	NA	D	NA	14	3 A
1HVR*UC9	UNIT COOLER BUFFALO FORGE	215.252	AB	114	CF	Y	NA	D	NA	11	3 A

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVY VENTILATION - YARD STRUCTURES

BOP EQUIPMENT
CH COIL HEATER

1HVY*CH6A	ELEC HEATERS NUTHERM	215.325	SH-CL	159	DH	Y	NA	S	MF		34 C
1HVY*CH6B	ELEC HEATERS NUTHERM	215.325	SH-CL	159	DH	Y	NA	S	MF		34 C

DMPF *

1HVY*DMPF1	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	20	1-31 A
1HVY*DMPF10	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	N	S	MF	20	1-31 A
1HVY*DMPF11	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	20	1-31 A
1HVY*DMPF13	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	20	1-31 A
1HVY*DMPF14	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	20	1-31 A
1HVY*DMPF15	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	20	1-31 A
1HVY*DMPF16	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	20	1-31 A
1HVY*DMPF17	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	20	1-31 A
1HVY*DMPF18	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	20	1-31 A
1HVY*DMPF19	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	20	1-31 A
1HVY*DMPF2	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	20	1-31 A
1HVY*DMPF20	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	20	1-31 A
1HVY*DMPF21	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB		DH	Y	NA	S	MF	20	1-31 A

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVY VENTILATION - YARD STRUCTURES

DMPF *										
1HVY*DMPF22	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20	1-31 A
1HVY*DMPF3	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20	1-31 A
1HVY*DMPF4	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20	1-31 A
1HVY*DMPF5	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20	1-31 A
1HVY*DMPF6	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20	1-31 A
1HVY*DMPF7	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20	1-31 A
1HVY*DMPF8	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20	1-31 A
1HVY*DMPF9	FIRE DAMPER QUALITY AIR DESIGN	215.480	ORB	DH	Y	NA	S	HF	20	1-31 A

DMP *										
1HVY*DMP1A	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	SH-CL	134	HM	Y	NA	S	NA	50 33 B
1HVY*DMP1B	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	SH-CL	134	HM	Y	NA	S	NA	50 33 B
1HVY*DMP1C	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	SH-CL	134	HM	Y	NA	S	NA	50 33 B
1HVY*DMP1D	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	SH-CL	134	HM	Y	NA	S	NA	50 33 B
1HVY*DMP10A	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.490	SH-CL	158	HM	Y	NA	S	NA	50 33 B
1HVY*DMP10B	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	SH-CL	158	HM	Y	NA	S	NA	50 34 B
1HVY*DMP2A	TORNADO DAMPER QUALITY AIR DESIGN	215.480	SH-CL	147		Y	NA	S	NA	50 33 B

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

DOCKET NO. 50-458

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

SYSTEM HVY VENTILATION - YARD STRUCTURES											
DMP *											
1HVY*DMP2B	TORNADO DAMPER QUALITY AIR DESIGN	215.480	SH-CL	147		Y	NA	S	NA	50	33 B
1HVY*DMP2C	TORNADO DAMPER QUALITY AIR DESIGN	215.480	SH-CL	147		Y	NA	S	NA	50	33 B
1HVY*DMP2D	TORNADO DAMPER QUALITY AIR DESIGN	215.480	SH-CL	147		Y	NA	S	NA	50	33 B
1HVY*DMP3A	TORNADO DAMPER QUALITY AIR DESIGN	215.480	SH-CL	159		Y	NA	S	NA	50	34 B
1HVY*DMP3B	TORNADO DAMPER QUALITY AIR DESIGN	215.480	SH-CL	159		Y	NA	S	NA	50	34 B
1HVY*DMP4A	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB			Y	NA	S	NA	50	1-31 A
1HVY*DMP4B	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB			Y	NA	S	NA	50	1-31 A
1HVY*DMP5A	TORNADO DAMPER QUALITY AIR DESIGN	215.480	SH-CL	134	HM	Y	NA	S	NA	50	33 B
1HVY*DMP5B	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	SH-CL	134	HM	Y	NA	S	NA	50	33 B
1HVY*DMP6A	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	SH-CL	147	HM	Y	NA	S	NA	50	33 B
1HVY*DMP6B	BACKDRAFT QUALITY AIR DESIGN	215.480	SH-CL	147	HM	Y	NA	S	NA	50	33 B
1HVY*DMP6C	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	SH-CL	147	HM	Y	NA	S	NA	50	33 B
1HVY*DMP6D	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	SH-CL	147	HM	Y	NA	S	NA	50	33 B
1HVY*DMP7A	TORNADO DAMPER QUALITY AIR DESIGN	215.480	SH-CL	158	HM	Y	NA	S	NA	50	34 B
1HVY*DMP7B	TORNADO DAMPER QUALITY AIR DESIGN	215.480	SH-CL	158	HM	Y	NA	S	NA	50	34 B
1HVY*DMP9A	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A
1HVY*DMP9B	TORNADO DAMPER QUALITY AIR DESIGN	215.480	ORB		HM	Y	NA	S	NA	50	1-31 A

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

SYSTEM HVY VENTILATION - YARD STRUCTURES

FE FLOW ELEMENT

1HVY*FE17A	FLOW SWITCH FCI	247.433	SH-CL	94	LH	Y	NA	NA	MF		NA A
1HVY*FE17B	FLOW SWITCH FCI	247.433	SH-CL	94	LH	Y	NA	NA	MF		NA A
1HVY*FE17C	FLOW SWITCH FCI	247.433	SH-CL	94	LH	Y	NA	NA	MF		NA A
1HVY*FE17D	FLOW SWITCH FCI	247.433	SH-CL	94	LH	Y	NA	NA	MF		NA A
1HVY*FE21A	FLOW SWITCH FCI	247.433	SH-CL	94	LH	Y	NA	NA	MF		NA A
1HVY*FE21B	FLOW SWITCH FCI	247.433	SH-CL	94	LH	Y	NA	NA	MF		NA A
1HVY*FE21C	FLOW SWITCH FCI	247.433	SH-CL	94	LH	Y	NA	NA	MF		NA A
1HVY*FE21D	FLOW SWITCH FCI	247.433	SH-CL	94	LH	Y	NA	NA	MF		NA A
1HVY*FE30A	FLOW SWITCH FCI	247.433	SH-CL	94	LH	Y	NA	NA	MF		NA A
1HVY*FE30B	FLOW SWITCH FCI	247.433	SH-CL	94	LH	Y	NA	NA	MF		NA A
1HVY*FE38A	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	MF		NA A
1HVY*FE38B	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	MF		NA A

FN FAN

1HVY*FN1A	SUPPLY AIR FAN BUFFALO FORGE	215.350	SH-CL	133	CF	Y	NA	S	NA	181	33 A
1HVY*FN1B	SUPPLY AIR FAN BUFFALO FORGE	215.350	SH-CL	133	CF	Y	NA	S	NA	181	33 A
1HVY*FN1C	SUPPLY AIR FAN BUFFALO FORGE	215.350	SH-CL	133	CF	Y	NA	S	NA	181	33 A

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM HVY VENTILATION - YARD STRUCTURES

FN FAN

1HVY*FN1D	SUPPLY AIR FAN BUFFALO FORGE	215.350	SH-CL	133	CF	Y	NA	S	NA	181	33	A
1HVY*FN2A	SUPPLY AIR FAN BUFFALO FORGE	215.350	SH-CL	146	CF	Y	NA	S	NA	34	34	A
1HVY*FN2B	SUPPLY AIR FAN BUFFALO FORGE	215.350	SH-CL	146	CF	Y	NA	S	NA	34	34	A
1HVY*FN2C	SUPPLY AIR FAN BUFFALO FORGE	215.350	SH-CL	146	CF	Y	NA	S	NA	34	34	A
1HVY*FN2D	SUPPLY AIR FAN BUFFALO FORGE	215.350	SH-CL	146	CF	Y	NA	S	NA	34	34	A
1HVY*FN32A	SUPPLY FAN BUFFALO FORGE	215.350	SH-CL	157	CF	Y	NA	S	NA	31	34	B
1HVY*FN32B	SUPPLY FAN BUFFALO FORGE	215.350	SH-CL	157	CF	Y	NA	S	NA	31	34	B

FS FLOW SWITCH

1HVY*FS17A	FLOW SWITCH FCI	247.433	SH-CL	94	LH	Y	NA	NA	HF		NA	
1HVY*FS17B	FLOW SWITCH FCI	247.433	SH-CL	94	LH	Y	NA	NA	HF		NA	Y
1HVY*FS17C	FLOW SWITCH FCI	247.433	SH-CL	94	LH	Y	NA	NA	HF		NA	
1HVY*FS17D	FLOW SWITCH FCI	247.433	SH-CL	94	LH	Y	NA	NA	HF		NA	Y
1HVY*FS21A	FLOW SWITCH FCI	247.433	SH-CL	94	LH	Y	NA	NA	HF		NA	Y
1HVY*FS21B	FLOW SWITCH FCI	247.433	SH-CL	94	LH	Y	NA	NA	HF		NA	Y
1HVY*FS21C	FLOW SWITCH FCI	247.433	SH-CL	94	LH	Y	NA	NA	HF		NA	Y
1HVY*FS21D	FLOW SWITCH FCI	247.433	SH-CL	94	LH	Y	NA	NA	HF		NA	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	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---
	MANUFACTURER										QUAL INST

SYSTEM HVY VENTILATION - YARD STRUCTURES

FS FLOW SWITCH

1HVY*FS30A	FLOW SWITCH FCI	247.433	SH-CL	94	LH	Y	NA	NA	HF		NA A
1HVY*FS30B	FLOW SWITCH FCI	247.433	SH-CL	94	LH	Y	NA	NA	HF		NA A
1HVY*FS30A	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	HF		NA A
1HVY*FS30B	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	HF		NA A

RTD RESISTANCE TEMPERATURE RECORDER

1HVY*RTD24A	THERMOCOUPLES RTD PYCO	247.461	SH-CL	123	DH	Y	NA	NA	HF		32 B
1HVY*RTD24B	THERMOCOUPLES RTD PYCO	247.461	SH-CL	123	DH	Y	NA	NA	HF		32 B
1HVY*RTD25A	THERMOCOUPLES RTD PYCO	247.461	SH-CL	143	DH	Y	NA	NA	HF		33 B
1HVY*RTD25B	THERMOCOUPLES RTD PYCO	247.461	SH-CL	143	DH	Y	NA	NA	HF		33 B
1HVY*RTD31A	THERMOCOUPLES RTD PYCO	247.461	SH-CL	118	DH	Y	NA	NA	HF		31 B
1HVY*RTD31B	THERMOCOUPLES RTD PYCO	247.461	SH-CL	118	DH	Y	NA	NA	HF		31 B

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

SYSTEM H13 CONTROL ROOM PANELS

BOP EQUIPMENT
P PUMP

1H13*P702D	GEDAC ENCLOSURE MERCURY CO./NORHOOD	247.411	CB	136	CF	Y	NA	D	HF	>33	9 A
1H13*P703A	GEDAC ENCLOSURE MERCURY CO./NORHOOD	247.411	CB	136	CF	Y	NA	D	HF	33	9 A
1H13*P703D	GEDAC ENCLOSURE MERCURY CO./NORHOOD	247.411	CB	136	CF	Y	NA	D	HF	>33	9 A
1H13*P710B	GEDAC ENCLOSURE MERCURY CO./NORHOOD	247.411	CB	136	CF	Y	NA	D	HF	>33	9 A
1H13*P710D	GEDAC ENCLOSURE MERCURY CO./NORHOOD	247.411	CB	136	CF	Y	NA	D	HF	>33	9 A
1H13*P710E	GEDAC ENCLOSURE MERCURY CO./NORHOOD	247.411	CB	136	CF	Y	NA	D	HF	>33	9 A
1H13*P712B	GEDAC ENCLOSURE MERCURY CO./NORHOOD	247.411	CB	136	CF	Y	NA	D	HF	>33	9 A
1H13*P712D	GEDAC ENCLOSURE MERCURY CO./NORHOOD	247.411	CB	136	CF	Y	NA	D	HF	>33	9 A
1H13*P713A	GEDAC ENCLOSURE MERCURY CO./NORHOOD	247.411	CB	136	CF	Y	NA	D	HF	>33	9 A
1H13*P713D	GEDAC ENCLOSURE MERCURY CO./NORHOOD	247.411	CB	136	CF	Y	NA	D	HF	>33	9 A
1H13*P714B	GEDAC ENCLOSURE MERCURY CO./NORHOOD	247.411	CB	136	CF	Y	NA	D	HF	>33	9 A
1H13*P714D	GEDAC ENCLOSURE MERCURY CO./NORHOOD	247.411	CB	136	CF	Y	NA	D	HF	>33	9 A
1H13*P715D	GEDAC ENCLOSURE MERCURY CO./NORHOOD	247.411	CB	136	CF	Y	NA	D	HF	>33	9 A
1H13*P717D	GEDAC ENCLOSURE MERCURY CO./NORHOOD	247.411	CB	136	CF	Y	NA	D	HF	33	9 A
1H13*P730B	GEDAC ENCLOSURE MERCURY CO./NORHOOD	247.411	CB	136	CF	Y	NA	D	HF	>33	9 A
1H13*P731D	GEDAC ENCLOSURE MERCURY CO./NORHOOD	247.411	CB	136	CF	Y	NA	D	HF	>33	9 A
1H13*P743E	GEDAC ENCLOSURE MERCURY CO./NORHOOD	247.411	CB	136	CF	Y	NA	D	HF	>33	9 A

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

SYSTEM H13 CONTROL ROOM PANELS

BOP EQUIPMENT
P PUMP

1H13*P744D	GEDAC ENCLOSURE MERCURY CO./NORHOOD	247.411	CB	136	CF	Y	NA	D	HF	>33	9	A
1H13*P750E	GEDAC ENCLOSURE MERCURY CO./NORHOOD	247.411	CB	136	CF	Y	NA	D	HF	>33	9	A
1H13*P751A	GEDAC ENCLOSURE MERCURY CO./NORHOOD	247.411	CB	136	CF	Y	NA	D	HF	>33	9	A
1H13*P751D	GEDAC ENCLOSURE MERCURY CO./NORHOOD	247.411	CB	136	CF	Y	NA	D	HF	>33	9	A

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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 IAS INSTRUMENT AIR

BOP EQUIPMENT
MOV MOTOR OPERATED VALVE

1IAS*MOV106	VALVE H.O. 3"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	MF	49	NA	
1IAS*MOV107	VALVE H.O. 3"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	MF	49	B	Y

PT PRESSURE TRANSMITTER

1IAS*PT34A	PRESS TRANSHITT ROSEMOUNT	247.481	CB	70	RH	Y	NA	NA	MF		6	
1IAS*PT34B	PRESS TRANSHITT ROSEMOUNT	247.481	CB	70	RH	Y	NA	NA	MF		A	Y
1IAS*PT39A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	MF		6	Y
1IAS*PT39B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	MF		A	Y
1IAS*PT43A	PRESS TRANSHITT ROSEMOUNT	247.481	FB	148	RH	Y	NA	NA	MF		4	Y
1IAS*PT43B	PRESS TRANSHITT ROSEMOUNT	247.481	FB	148	RH	Y	NA	NA	MF		19	Y
1IAS*PT47A	PRESS TRANSHITT ROSEMOUNT	247.481	CB	70	RH	Y	NA	NA	MF		A	Y
1IAS*PT47B	PRESS TRANSHITT ROSEMOUNT	247.481	CB	70	RH	Y	NA	NA	MF		6	Y
1IAS*PT48A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	MF		A	Y
1IAS*PT48B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RH	Y	NA	NA	MF		4	Y
1IAS*PT49A	PRESS TRANSHITT ROSEMOUNT	247.481	FB	148	RH	Y	NA	NA	MF		A	Y
1IAS*PT49B	PRESS TRANSHITT ROSEMOUNT	247.481	FB	148	RH	Y	NA	NA	MF		19	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. 50-450

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													
RV *													
1IAS*RV38A	RELIEF VALVES CROSBY	247.521	CB	121	LH	Y	NA	S	SO	157	NA	A	
1IAS*RV38B	RELIEF VALVES CROSBY	247.521	CB	121	LH	Y	NA	S	SO	157	NA	A	
1IAS*RV42A	RELIEF VALVES CROSBY	247.521	AB	141	LH	Y	NA	S	SO	157	NA	A	
1IAS*RV42B	RELIEF VALVES CROSBY	247.521	AB	141	LH	Y	NA	S	SO	157	NA	A	
1IAS*RV46A	RELIEF VALVES CROSBY	247.521	FB	140	LH	Y	NA	S	SO	157	NA	A	
1IAS*RV46B	RELIEF VALVES CROSBY	247.521	FB	140	LH	Y	NA	S	SO	157	NA	A	
SOV SOLENOID VALVE													
1IAS*SOV36A	VALVE 2" TARGET ROCK	247.501	CR	90	LH	Y	NA	S	HF	139	NA	A	Y
1IAS*SOV36B	VALVE 2" TARGET ROCK	247.501	CR	90	LH	Y	NA	S	HF	139	NA	A	Y
1IAS*SOV41A	VALVE 2" TARGET ROCK	247.501	FB	140	LH	Y	NA	S	HF	139	NA	A	Y
1IAS*SOV41B	VALVE 2" TARGET ROCK	247.501	FB	140	LH	Y	NA	S	HF	139	NA	A	Y
1IAS*SOV45A	VALVE 2" TARGET ROCK	247.501	FB	140	LH	Y	NA	S	HF	139	NA	A	Y
1IAS*SOV45B	VALVE 2" TARGET ROCK	247.501	FB	140	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	STATUS
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS TEST	LOHEST	---	QUAL INST

SYSTEM ICS REACTOR CORE ISOLATION COOLING											
BOP EQUIPMENT											
HOSE *											
1ICS*HOSE1	FLEX METAL HOSE MTL BELLOHS	247.011				Y		S MF	10		A
1ICS*HOSE2	FLEX METAL HOSE MTL BELLOHS	247.011				Y		S MF	10		A
1ICS*HOSE61	FLEX METAL HOSE MTL BELLOHS	247.011				Y		S MF	10		B
RV *											
1ICS*RV130	RELIEF VALVES CROSBY	247.521	AB	80	LH	Y	NA S	SO	699		NA B
STR *											
1ICS*STR1	STRAINER ZURN INDUSTRIES	228.957	CT	70	LH	Y	Y S	N	1,000		NA A
TH *											
1ICS*TH123	THERMOCOUPLES RTD PYCO	247.461	AB	70	LH	Y	NA NA	MF			NA B
1ICS*TH127	THERMOCOUPLES RTD PYCO	247.461	AB	70	LH	Y	Y NA	MF			NA C

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JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM ISC

*

BOP EQUIPMENT
PT PRESSURE TRANSMITTER

1ISC*PT101	PRESS TRANSHITT ROSEHOUNT	247.481	CT	118	RH	Y	Y	NA	MF			46.97 A
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JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM JPB SUPERSTRUCTURE - PRIMARY AUXILIARY BUILDING

BOP EQUIPMENT
DMP

1JPB*DMP1	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	35	1-31	A
1JPB*DMP2	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	35	1-31	A
1JPB*DMP3	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	35	1-31	A
1JPB*DMP4	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	35	1-31	A
1JPB*DMP5	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	35	1-31	A
1JPB*DMP6	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480	ORB	HH	Y	NA	S	NA	35	1-31	A

RAK RACK

1JPB*RAK1	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	AB	95	CF	Y	NA	S	NA	37	2	A	Y
1JPB*RAK2	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	AB	95	CF	Y	NA	S	NA	37	2	A	Y
1JPB*RAK3	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	AB	141	CF	Y	NA	S	NA	37	4	A	Y
1JPB*RAK4	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	AB	141	CF	Y	NA	S	NA	37	4	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	MTG	SEIS	HYDR	ANLYS	TEST	LOHEST	---STATUS---

SYSTEM JRB SUPERSTRUCTURE - REACTOR BUILDING

BOP EQUIPMENT
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
1JRB=DRA2	PERSONNEL AIR LOCK W.J. WOOLLEY CO.	219.711	CT	118	DM	Y	Y	S	NA	42	SEE 202 A

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

DOCKET NO. 50-450

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

SYSTEM LSV LEAKAGE CONTROL - PENETRATION VALVE											
BOP EQUIPMENT											
C COMPRESSOR											
1LSV*C3A	COMPRESSOR ATLAS-COPCO	221.512	AB	141	CF	Y	NA	S	MF	>10	4 B
1LSV*C3B	COMPRESSOR ATLAST-COPCO	221.512	AB	141	CF	Y	NA	S	MF	>10	4 B
FE FLOW ELEMENT											
1LSV*FE20A	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	MF		NA A
1LSV*FE20B	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	MF		NA A
FS FLOW SWITCH											
1LSV*FS20A	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	MF		NA A
1LSV*FS20B	FLOW SWITCH FCI	247.433	AB	141	LH	Y	NA	NA	MF		NA A
MOV MOTOR OPERATED VALVE											
1LSV*MOV11A	VALVE H.O. 1"-1500 LB VELAN	220.214	AB	141	LH	Y	NA	S	MF	84	NA A
1LSV*MOV11B	VALVE H.O. 1"-1500 LB VELAN	220.214	AB	141	LH	Y	NA	S	MF	84	NA A
1LSV*MOV13A	VALVE H.O. 1"-1500 LB VELAN	220.214	AB	141	LH	Y	NA	S	MF	84	NA A
1LSV*MOV13B	VALVE H.O. 1"-1500 LB VELAN	220.214	AB	141	LH	Y	NA	S	MF	84	NA A
1LSV*MOV15A	VALVE H.O. 1"-1500 LB VELAN	220.214	AB	141	LH	Y	NA	S	MF	84	NA A

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

DOCKET NO: 50-458

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

SYSTEM LSV LEAKAGE CONTROL - PENETRATION VALVE												
MOV MOTOR OPERATED VALVE												
1LSV*MOV15B	VALVE H.O. 1"-1500 LB VELAN	228.214	AB	141	LH	Y	NA	S	MF	84	NA A	
1LSV*MOV16A	VALVE H.O. 1"-1500 LB VELAN	228.214	AB	141	LH	Y	NA	S	MF	84	NA 1	
1LSV*MOV16B	VALVE H.O. 1"-1500 LB VELAN	228.214	AB	141	LH	Y	NA	S	MF	84	NA A	
1LSV*MOV19A	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141	LH	Y	NA	S	MF	78	NA A	
1LSV*MOV19B	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141	LH	Y	NA	S	MF	78	NA A	
PNL PANEL												
1LSV*PNL54A	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	AB	141	DH	Y	NA	S	NA	101	4 A	
1LSV*PNL54B	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	AB	141	DH	Y	NA	S	NA	101	4 A	
PT PRESSURE TRANSMITTER												
1LSV*PT10A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	145	RH	Y	NA	NA	MF		5 A	
1LSV*PT10B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	159	RH	Y	NA	NA	MF		5 A	
1LSV*PT12A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	145	RH	Y	NA	NA	MF		5 A	
1LSV*PT12B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	159	RH	Y	NA	NA	MF		5 A	
1LSV*PT14A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	123	RH	Y	NA	NA	MF		4 A	
1LSV*PT14B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	159	RH	Y	NA	NA	MF		5 A	

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM LSV LEAKAGE CONTROL - PENETRATION VALVE

PT PRESSURE TRANSMITTER

EQUIP. ID	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS
1LSV*PT17A	PRESS TRANSMITT ROSEMOUNT	247.481	AB	100	RH	Y	NA	NA	MF		3 A	
1LSV*PT17B	PRESS TRANSMITT ROSEMOUNT	247.481	AB	145	RH	Y	NA	NA	MF		5 A	
1LSV*PT21A	PRESS TRANSMITT ROSEMOUNT	247.481	AB	128	RH	Y	NA	NA	MF		4 A	
1LSV*PT21B	PRESS TRANSMITT ROSEMOUNT	247.481	AB	135	RH	Y	NA	NA	MF		4 A	
1LSV*PT22A	PRESS TRANSMITT ROSEMOUNT	247.481	AB	145	RH	Y	NA	NA	MF		5 A	Y
1LSV*PT22B	PRESS TRANSMITT ROSEMOUNT	247.481	AB	159	RH	Y	NA	NA	MF		5 A	Y
1LSV*PT26A	PRESS TRANSMITT ROSEMOUNT	247.481	AB	145	RH	Y	NA	NA	MF		5 A	
1LSV*PT26B	PRESS TRANSMITT ROSEMOUNT	247.481	AB	159	RH	Y	NA	NA	MF		5 A	Y
1LSV*PT9A	PRESS TRANSMITT ROSEMOUNT	247.481	AB	145	RH	Y	NA	NA	MF		5 A	Y
1LSV*PT9B	PRESS TRANSMITT ROSEMOUNT	247.481	AB	145	RH	Y	NA	NA	MF		5 A	Y

PV PRESSURE VALVE

1LSV*PV10A	1"-150# GLOBE COPEES VULCAN	247.497	AB	141	LM	Y	NA	S	NA	83	NA B	
1LSV*PV10B	1"-150# GLOBE COPEES VULCAN	247.497	AB	141	LM	Y	NA	S	NA	83	NA B	

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

DOCKET NO. 50-458

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

SYSTEM LSV LEAKAGE CONTROL - PENETRATION VALVE											
RV		*									
1LSV*RV8A	RELIEF VALVES CROSBY	247.521	AB	141	LM	Y	NA	S	SO	268	NA A
1LSV*RV8B	RELIEF VALVES CROSBY	247.521	AB	141	LM	Y	NA	S	SO	268	NA A
SOVX		*									
1LSV*SOVX26A	VALVE - 3/4" TARGET ROCK	247.501	AB	141	LM	Y	NA	S	MF		NA A
1LSV*SOVX26B	VALVE - 3/4" TARGET ROCK	247.501	AB	141	LM	Y	NA	S	MF		NA A
SOVY		*									
1LSV*SOVY26A	VALVE - 3/4" TARGET ROCK	247.501	AB	141	LM	Y	NA	S	MF		NA A
1LSV*SOVY26B	VALVE - 3/4" TARGET ROCK	247.501	AB	141	LM	Y	NA	S	MF		NA A
TK		*									
1LSV*TK6A	AIR RECEIVER CT1	221.515	AB	141	CF	Y	NA	S	NA	27	4 A
1LSV*TK6B	AIR RECEIVER CT1	221.515	AB	141	CF	Y	NA	S	NA	10	4

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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	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLVS	TEST	LOWEST	----STATUS---	QUAL INST

SYSTEM MHR						*						
BOP EQUIPMENT												
CRN		*										
1MHR-CRNL	POLAR CRANE WHITING CORP.	221.710	CT	212	DH	Y	Y	D		2		50 B

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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.	BLOG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST

SYSTEM MSI MAIN STEAM ISOLATION VALVE SEALS

BOP EQUIPMENT
HOSE

*

1MSI#HOSE49	FLEX METAL HOSE MTL BELLOWS	247.011				Y		S	MF	10	
1MSI#HOSE50	FLEX METAL HOSE MTL BELLOWS	247.011				Y		S	MF	10	A
1MSI#HOSE51	FLEX METAL HOSE MTL BELLOWS	247.011				Y		S	MF	10	A
1MSI#HOSE52	FLEX METAL HOSE MTL BELLOWS	247.011				Y		S	MF	10	A
1MSI#HOSE55	FLEX METAL HOSE MTL BELLOWS	247.011				Y		S	MF	10	B
1MSI#HOSE57	FLEX METAL HOSE MTL BELLOWS	247.011				Y		S	MF	10	B
1MSI#HOSE58	FLEX METAL HOSE MTL BELLOWS	247.011				Y		S	MF	10	B

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

DOCKET NO. 50-458

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

SYSTEM MSS MAIN STEAM

BOP EQUIPMENT
HOSE

1MSS*HOSE179	FLEX. METAL HOSE HTL BELLOHS	247.011				Y		S	HF	10	
1MSS*HOSE49	FLEX METAL HOSE HTL BELLOHS	247.011				Y		S	HF	10	A
1MSS*HOSE77	FLEX METAL HOSE HTL BELLOHS	247.011				Y		S	HF	10	A
1MSS*HOSE78	FLEX METAL HOSE HTL BELLOHS	247.011				Y		S	HF	10	B
1MSS*HOSE95	FLEX METAL HOSE HTL BELLOHS	247.011				Y		S	HF	10	A
1MSS*HOSE96	FLEX METAL HOSE HTL BELLOHS	247.011				Y		S	HF	10	B

RTD RESISTANCE TEMPERATURE RECORDER

1MSS*RTD10A	THERMOCOUPLES RTD PYCO	247.461	TB	95		Y	NA	NA	HF		22 B
1MSS*RTD10B	THERMOCOUPLES RTD PYCO	247.461	TB	95		Y	NA	NA	HF		22 B
1MSS*RTD10C	THERMOCOUPLES RTD PYCO	247.461	TB	95		Y	NA	NA	HF		22 B
1MSS*RTD10D	THERMOCOUPLES RTD PYCO	247.461	TB	95		Y	NA	NA	HF		22 B

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

SYSTEM RCP ELECTRICAL PENETRATIONS											
BOP EQUIPMENT											
LVC *											
1RCP*LVC05	ELEC. PENETRATION CONAX	241.211	CT	148	DH	Y	Y	S	MF		SEE 203 B
1RCP*LVC06	ELEC. PENETRATION CONAX	241.211	CT	148	DH	Y	Y	S	MF		SEE 203 B
1RCP*LVC11	ELEC. PENETRATION CONAX	241.211	CT	121	DH	Y	Y	S	MF		SEE 204 B
1RCP*LVC11A	ELEC. PENETRATION CONAX	241.211	CT	117	DH	Y	Y	S	MF		SEE 204 B
1RCP*LVC18	ELEC. PENETRATION CONAX	241.211	CT	121	DH	Y	Y	S	MF		SEE 204 B
1RCP*LVC18A	ELEC. PENETRATION CONAX	241.211	CT	117	DH	Y	Y	S	MF		SEE 204 B
1RCP*LVC21	ELEC. PENETRATION CONAX	241.211	CT	121	DH	Y	Y	S	MF		SEE 204 B
LVI *											
1RCP*LVI05A	ELEC. PENETRATION CONAX	241.211	CT	144	DH	Y	Y	S	MF		SEE 203 B
1RCP*LVI06A	ELEC. PENETRATION CONAX	241.211	CT	144	DH	Y	Y	S	MF		SEE 203 B
1RCP*LVI10A	ELEC. PENETRATION CONAX	241.211	CT	117	DH	Y	Y	S	MF		SEE 204 B
1RCP*LVI12	ELEC. PENETRATION CONAX	241.211	CT	121	DH	Y	Y	S	MF		SEE 204 B
1RCP*LVI12A	ELEC. PENETRATION CONAX	241.211	CT	117	DH	Y	Y	S	MF		SEE 204 B
1RCP*LVI13A	ELEC. PENETRATION CONAX	241.211	CT	117	DH	Y	Y	S	MF		SEE 204 B
1RCP*LVI14	ELEC. PENETRATION CONAX	241.211	CT	121	DH	Y	Y	S	MF		SEE 204 B
1RCP*LVI14A	ELEC. PENETRATION CONAX	241.211	CT	117	DH	Y	Y	S	MF		SEE 204 B

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

DOCKET NO. 50-458

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

SYSTEM RCP ELECTRICAL PENETRATIONS											
LVI											
			*								
1RCP*LVI15A	ELEC. PENETRATION CONAX	241.211	CT	117	DM	Y	Y	S	MF		SEE 204 B
1RCP*LVI17B	ELEC. PENETRATION CONAX	241.211	CT	117	DM	Y	Y	S	MF		SEE 204 B
1RCP*LVI17C	ELEC. PENETRATION CONAX	241.211	CT	117	DM	Y	Y	S	MF		SEE 204 B
1RCP*LVI19A	ELEC. PENETRATION CONAX	241.211	CT	117	DM	Y	Y	S	MF		SEE 204 B
1RCP*LVI20A	ELEC. PENETRATION CONAX	241.211	CT	117	DM	Y	Y	S	MF		SEE 204 B
1RCP*LVI21A	ELEC. PENETRATION CONAX	241.211	CT	117	DM	Y	Y	S	MF		SEE 204 B
LVP											
			*								
1RCP*LVP03	ELEC. PENETRATION CONAX	241.211	CT	148	DM	Y	Y	S	MF		SEE 203 B
1RCP*LVP03A	ELEC. PENETRATION CONAX	241.211	CT	144	DM	Y	Y	S	MF		SEE 203 B
1RCP*LVP04	ELEC. PENETRATION CONAX	241.211	CT	148	DM	Y	Y	S	MF		SEE 203 B
1RCP*LVP04A	ELEC. PENETRATION CONAX	241.211	CT	144	DM	Y	Y	S	MF		SEE 203 B
1RCP*LVP07	ELEC. PENETRATION CONAX	241.211	CT	148	DM	Y	Y	S	MF		SEE 203 B
1RCP*LVP07A	ELEC. PENETRATION CONAX	241.211	CT	144	DM	Y	Y	S	MF		SEE 203 B
1RCP*LVP08	ELEC. PENETRATION CONAX	241.211	CT	148	DM	Y	Y	S	MF		SEE 203 B
1RCP*LVP08A	ELEC. PENETRATION CONAX	241.211	CT	144	DM	Y	Y	S	MF		SEE 203 B
1RCP*LVP09	ELEC. PENETRATION CONAX	241.211	CT	121	DM	Y	Y	S	MF		SEE 204 B

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

DOCKET NO. 50-458

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

SYSTEM RCP ELECTRICAL PENETRATIONS												
LVP *												
1RCP*LVP09A	ELEC. PENETRATION CONAX	241.211	CT	117	DM	Y	Y	S	MF		SEE 204 B	
1RCP*LVP16	ELEC. PENETRATION CONAX	241.211	CT	121	DM	Y	Y	S	MF		SEE 204 B	
1RCP*LVP16A	ELEC. PENETRATION CONAX	241.211	CT	117	DM	Y	Y	S	MF		SEE 204 B	
1RCP*LVP22	ELEC. PENETRATION CONAX	241.211	CT	121	DM	Y	Y	S	MF		SEE 204 B	
1RCP*LVP22A	ELEC. PENETRATION CONAX	241.211	CT	117	DM	Y	Y	S	MF		SEE 204 B	
MVPO *												
1RCP*MVPO1	ELEC. PENETRATION CONAX	241.211	CT	126	DM	Y	Y	S	MF		SEE 204 B	
MVP *												
1RCP*MVP02	ELEC. PENETRATION CONAX	241.211	CT	133	DM	Y	Y	S	MF		47,114,147 B Y	
NMS *												
1RCP*NMS10	ELEC. PENETRATION CONAX	241.211	CT	121	DM	Y	Y	S	MF		SEE 204 B	
1RCP*NMS13	ELEC. PENETRATION CONAX	241.211	CT	121	DM	Y	Y	S	MF		SEE 204 B	
1RCP*NMS19	ELEC. PENETRATION CONAX	241.211	CT	121	DM	Y	Y	S	MF		SEE 204 B	
1RCP*NMS20	ELEC. PENETRATION CONAX	241.211	CT	121	DM	Y	Y	S	MF		SEE 204 B	

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

SYSTEM RCP ELECTRICAL PENETRATIONS											
TCA											
1RCP*TCA01	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	114	CF	Y	NA	D	NA	20	3 A
1RCP*TCA02	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	114	CF	Y	NA	D	NA	20	3 A
1RCP*TCA03	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	114	CF	Y	NA	D	NA	20	3 A
1RCP*TCA04	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	114	CF	Y	NA	D	NA	20	3 A
1RCP*TCA05	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	114	CF	Y	NA	D	NA	20	3 A
1RCP*TCA06	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	114	CF	Y	NA	D	NA	20	3 A
1RCP*TCA07	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	114	CF	Y	NA	D	NA	20	3 A
1RCP*TCA08	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	114	CF	Y	NA	D	NA	20	3 A
1RCP*TCA09	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	114	CF	Y	NA	D	NA	20	3 A
1RCP*TCA10	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	114	CF	Y	NA	D	NA	20	3 A
1RCP*TCA11	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	141	CF	Y	NA	D	NA	20	4 A
1RCP*TCA12	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	141	CF	Y	NA	D	NA	20	4 A
1RCP*TCA13	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	141	CF	Y	NA	D	NA	20	4 A
1RCP*TCA14	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	141	CF	Y	NA	D	NA	20	4 A
1RCP*TCA15	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	141	CF	Y	NA	D	NA	20	4 A
1RCP*TCA16	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	141	CF	Y	NA	D	NA	20	4 A

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM RCP ELECTRICAL PENETRATIONS

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	
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	
TCR *												
1RCP*TCR01A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	114	DM	Y	Y	D	NA	20	SEE 205 A	
1RCP*TCR01F	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	114	DM	Y	Y	D	NA	20	SEE 205 A	Y
1RCP*TCR010A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	114	DM	Y	Y	D	NA	20	SEE 205 A	Y
1RCP*TCR02A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	114	DM	Y	Y	D	NA	20	SEE 205 A	Y
1RCP*TCR02F	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	14	DM	Y	Y	D	NA	20	SEE 205 A	
1RCP*TCR03A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	114	DM	Y	Y	D	NA	20	SEE 205 A	
1RCP*TCR03F	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	114	DM	Y	Y	D	NA	20	SEE 205 A	Y
1RCP*TCR04A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	DW	114	DM	Y	Y	D	NA	20	SEE 205 A	Y
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	CW	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

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

DOCKET NO. 50-458

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

SYSTEM RCP ELECTRICAL PENETRATIONS

TCR											
1RCP*TCR07A	TERM. CAB./ELEC. PEN. POHELL INDUSTRIES	242.491	DH	114	DM	Y	Y	D	NA	20	SEE 205 A Y
1RCP*TCR08A	TERM. CAB./ELEC. PEN. POHELL INDUSTRIES	242.491	DH	114	DM	Y	Y	D	NA	20	SEE 205 A Y
1RCP*TCR09A	TERM. CAB./ELEC. PEN. POHELL INDUSTRIES	242.491	DH	114	DM	Y	Y	D	NA	20	SEE 205 A Y
1RCP*TCR11A	TERM. CAB./ELEC. PEN. POHELL INDUSTRIES	242.491	DH	141	DM	Y	Y	D	NA	20	SEE 205 A Y
1RCP*TCR12A	TERM. CAB./ELEC. PEN. POHELL INDUSTRIES	242.491	DH	141	DM	Y	Y	D	NA	20	SEE 205 A Y
1RCP*TCR13A	TERM. CAB./ELEC. PEN. POHELL INDUSTRIES	242.491	DH	141	DM	Y	Y	D	NA	20	SEE 205 A Y
1RCP*TCR14A	TERM. CAB./ELEC. PEN. POHELL INDUSTRIES	242.491	DH	141	DM	Y	Y	D	NA	20	SEE 205 A Y
1RCP*TCR15A	TERM. CAB./ELEC. PEN. POHELL INDUSTRIES	242.491	DH	141	DM	Y	Y	D	NA	20	SEE 205 A Y
1RCP*TCR16A	TERM. CAB./ELEC. PEN. POHELL INDUSTRIES	242.491	DH	141	DM	Y	Y	D	NA	20	SEE 205 A Y

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM RCS REACTOR COOLANT												
BOP EQUIPMENT												
HOSE												
												*
1RCS*HOSE1	FLEX METAL HOSE MTL BELLOHS	247.011				Y		S	HF	10		A
1RCS*HOSE105	FLEX METAL HOSE MTL BELLOHS	247.011				Y		S	HF	10		A
1RCS*HOSE108	FLEX METAL HOSE MTL BELLOHS	247.011				Y		S	HF	10		B
1RCS*HOSE124	FLEX METAL HOSE MTL BELLOHS	247.011				Y		S	HF	10		A
1RCS*HOSE125	FLEX METAL HOSE MTL BELLOHS	247.011				Y		S	HF	10		B
1RCS*HOSE2	FLEX METAL HOSE MTL BELLOHS	247.011				Y		S	HF	10		A
1RCS*HOSE3	FLEX METAL HOSE MTL BELLOHS	247.011				Y		S	HF	10		A
1RCS*HOSE4	FLEX METAL HOSE MTL BELLOHS	247.011				Y		S	HF	10		B
1RCS*HOSE5	FLEX METAL HOSE MTL BELLOHS	247.011				Y		S	HF	10		A
1RCS*HOSE6	FLEX METAL HOSE MTL BELLOHS	247.011				Y		S	HF	10		B
1RCS*HOSE7	FLEX METAL HOSE MTL BELLOHS	247.011				Y		S	HF	10		A
1RCS*HOSE8	FLEX METAL HOSE MTL BELLOHS	247.011				Y		S	HF	10		A
MOV MOTOR OPERATED VALVE												
1RCS*MOV58A	VALVE H.O. 1"-1500 LB VELAN	228.216	CT	141	LH	Y	Y	S	HF			NA C
1RCS*MOV58B	VALVE H.O. 1"-1500 LB VELAN	228.216	CT	141	LH	Y	Y	S	HF			NA C
1RCS*MOV59A	VALVE H.O. 1"-1500 LB VELAN	228.216	CT	141	LH	Y	Y	S	HF			NA C

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JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM RCS REACTOR COOLANT

MOV MOTOR OPERATED VALVE

1RCS#MOV59B	VALVE H.O. 1"-1500 LB VELAN	228.216	CT	141	LH	Y	Y	S	MF				NA	C
1RCS#MOV60A	VALVE H.O. 1/2"-1500 LB VELAN	228.216	CT	070	LH	Y	Y	S	MF	52			NA	B
1RCS#MOV60B	VALVE H.O. 1/2"-1500 LB VELAN	228.216	CT	070	LH	Y	Y	S	MF				NA	C
1RCS#MOV61A	VALVE H.O. 3/4"-1500 LB VELAN	228.216	CT	070	LH	Y	Y	S	MF	46			NA	B
1RCS#MOV61B	VALVE H.O. 3/4"- VELAN	228.216	CT	070	LH	Y	Y	S	MF	46			NA	B

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

SYSTEM RHS RESIDUAL HEAT REMOVAL SYSTEM												
BOP EQUIPMENT												
HOSE *												
1RHS*HOSE160	FLEX METAL HOSE MTL BELLOWS	247.011				Y		S	HF	10		B
1RHS*HOSE161	FLEX METAL HOSE MTL BELLOWS	247.011				Y		S	HF	10		A
1RHS*HOSE164	FLEX METAL HOSE MTL BELLOWS	247.011				Y		S	HF	10		B
LT LEVEL TRANSHITTER												
1RHS*LT119	PRESS TRANSHITT ROSEMOUNT	247.481	CT	118	RH	Y	Y	NA	MF			46,47 A
RV *												
1RHS*RV3A	RELIEF VALVES CROSBY	247.521	AB	106	LH	Y	NA	S	SO	123		NA B
1RHS*RV3B	RELIEF VALVES CROSBY	247.521	AB	106	LH	Y	NA	S	SO	123		NA B
STR *												
1RHS*STR1A	STRAINER ZURN INDUSTRIES	228.957	CT	70	LH	NA	Y	S	NA	445		NA A
1RHS*STR1B	STRAINER ZURN INDUSTRIES	228.957	CT	70	LH	NA	Y	S	NA	445		NA A
1RHS*STR1C	STRAINER ZURN INDUSTRIES	228.957	CT	70	LH	NA	Y	S	NA	445		NA A

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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	ANLVS	TEST	LOWEST	---STATUS---

SYSTEM RBS RESIDUAL HEAT REMOVAL SYSTEM

TH											
1RHS*TH80A	THERMOCOUPLES RTD PYCO	247.461	AB	70	LH	Y	NA	NA	HF		NA B
1RHS*TH80B	THERMOCOUPLES RTD PYCO	247.461	AB	70	LH	Y	NA	NA	HF		NA B
1RHS*TH80C	THERMOCOUPLES RTD PYCO	247.461	AB	70	LH	Y	NA	NA	HF		NA B

JOB NAME RP3 - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM RMS RADIATION MONITORING

BOP EQUIPMENT
CABX *

1RMS=CABX5B SIGNAL ASSY. 247.250 RB 153 CF Y NA NA HF 20
QA B

CAB CABINET

1RMS=CAB11A CABINET 247.250 AB 170 CF Y NA NA HF 5
GA B
1RMS=CAB11B CABINET 247.250 AB 96 CF Y NA NA HF 2
GA B
1RMS=CAB111 CABINET 247.250 CT 162 CF Y Y NA HF 48, 115, 148
GA B
1RMS=CAB112 CABINET 247.250 CT 141 CF Y Y NA HF B
GA B
1RMS=CAB125 CABINET 247.250 CB 170 CF Y NA NA HF 10
GA B
1RMS=CAB13A CABINET 247.250 CB 98 CF Y NA NA HF 7
GA B
1RMS=CAB13B CABINET 247.250 CB 98 CF Y NA NA HF 7
GA B
1RMS=CAB14A CABINET 247.250 CB 118 CF Y NA NA HF 8,9
GA B
1RMS=CAB14B CABINET 247.250 CB 118 CF Y NA NA HF 8,9
GA B
1RMS=CAB15A CABINET 247.250 AB 70 CF Y NA NA HF 1
GA B
1RMS=CAB15B CABINET 247.250 AB 95 CF Y NA NA HF 2
GA B
1RMS=CAB16A CABINET 247.250 CB 73 DH Y NA HF 6
GA B
1RMS=CAB16B CABINET 247.250 CB 73 DH Y NA HF 6
GA B
1RMS=CAB20A CABINET 247.250 CB 73 DH Y NA HF 6
GA B

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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	LOREST	---STATUS---

SYSTEM RMS RADIATION MONITORING

CAB CABINET

1RMS+CAB20B	CABINET GA	247.250	CB	73	DH	Y		NA	MF		6 B
1RMS+CAB21A	CABINET GA	247.250	CB	73	DH	Y		NA	MF		6 B
1RMS+CAB21B	CABINET GA	247.250	CB	73	DH	Y		NA	MF		6 B
1RMS+CAB5A	CABINET GA	247.250	FB	148	CF	Y	NA	NA	MF		19 B
1RMS+CAB5B	CABINET GA	247.250	FB	148	CF	Y	NA	NA	MF		19 B

FEX *

1RMS+FEX125	VEL PROBE GA	247.250	AB	226	LH	Y	NA	S	NA		NA D
-------------	-----------------	---------	----	-----	----	---	----	---	----	--	---------

FEY *

1RMS+FEY125	VEL PROBE GA	247.250	AB	226	LH	Y	NA	S	NA		NA D
-------------	-----------------	---------	----	-----	----	---	----	---	----	--	---------

FE FLOW ELEMENT

1RMS+FE5A	VEL PROBE GA	247.250	FB	162	LH	Y	NA	S	NA		NA U
1RMS+FE5B	VEL PROBE GA	247.250	FB	162	LH	Y	NA	S	NA		NA D

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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 RBS RADIATION MONITORING

REX

1RHS*REX125	MONITOR GA	247.250	AB	170	CF	Y	NA	NA	HF		5 B
1RHS*REX5A	MONITOR GA	247.250	FB	148	CF	Y	NA	NA	HF		19 B

RE PRIMARY RADIOACTIVITY ELEMENT

1RHS*RE11A	MONITOR GA	247.250	AB	170	CF	Y	NA	NA	HF		5 B
1RHS*RE11B	MONITOR GA	247.250	AB	96	CF	Y	NA	NA	HF		4 B
1RHS*RE111	MONITOR GA	247.250	CT	162	CF	Y	Y	NA	HF		48, 115, 148 B
1RHS*RE112	MONITOR GA	247.250	CT	141	CF	Y	Y	NA	HF		6 B
1RHS*RE125	MONITOR GA	247.250	AB	70	CF	Y	NA	NA	HF		1 B
1RHS*RE13A	MONITOR GA	247.250	CB	98	CF	Y	NA	NA	HF		7 B
1RHS*RE13B	CABINET GA	247.250	CB	98	CF	Y	NA	NA	HF		7 B
1RHS*RE14A	CABINET GA	247.250	CB	118	CF	Y	NA	NA	HF		31 B
1RHS*RE14B	CABINET GA	247.250	CB	118	CF	Y	NA	NA	HF		31 B
1RHS*RE15A	MONITOR GA	247.250	AB	96	CF	Y	NA	NA	HF		1 B
1RHS*RE15B	MONITOR GA	247.250	AB	95	CF	Y	NA	NA	HF		2 B
1RHS*RE16A	MONITOR GA	247.250	CT	186	DH	Y	Y	NA	HF		B
1RHS*RE16B	MONITOR GA	247.250	CT	186	DH	Y	Y	NA	HF		B

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM RMS RADIATION MONITORING

RE PRIMARY RADIOACTIVITY ELEMENT

1RMS*RE20A	MONITOR GA	247.250	DH	126	DH	Y	Y	NA	HF	B
1RMS*RE20B	MONITOR GA	247.250	DH	138	DH	Y	Y	NA	HF	B
1RMS*RE21A	MONITOR GA	247.250	CT	148	LH	Y	Y	NA	HF	NA B
1RMS*RE21B	MONITOR GA	247.250	CT	148	LH	Y	Y	NA	HF	NA B
1RMS*RE5A	MONITOR GA	247.250	FB	162	CF	Y	NA	NA	HF	B 17
1RMS*RE5B	MONITOR GA	247.250	FB	148	CF	Y	NA	NA	HF	B 17 B

SMPT

*

1RMS*SMPT103	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	AB	141		Y	NA	D	NA	4 C
1RMS*SMPT11A	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	SB	189		Y	Y	D	N	40,41 C
1RMS*SMPT11B	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	SB	189		Y	Y	D	N	40,41 C
1RMS*SMPT110	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	AB	141		Y	NA	D	NA	4 C
1RMS*SMPT125	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	SB	248		Y	Y	D	N	42,43 C
1RMS*SMPT126	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	SB	248		Y	Y	D	NA	42,43 CC
1RMS*SMPT14A	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	SH-CL	118		Y	NA	D	NA	31 C
1RMS*SMPT14B	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	SH-CL	118		Y	NA	D	NA	31 C
1RMS*SMPT5A	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	FB	148		Y	NA	D	NA	19 C

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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---

SYSTEM RMS RADIATION MONITORING

SMPT

*

1RMS*SMPT5B	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	FB	148	Y	NA	D	NA	19 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	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	
											QUAL	INST

SYSTEM RSS

*

BOP EQUIPMENT
PNL PANEL

1RSS*PNL101	CONTROL BOARDS ELECTRO MECHANICS	242.444	CB	98	CF	Y	NA	NA	HF		3	
1RSS*PNL102	CONTROL BOARDS ELECTRO MECHANICS	242.444	CB	98	CF	Y	NA	NA	HF		8	Y
											C	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	LOHEST	---	STATUS---

SYSTEM SAS SERVICE AIR

BOP EQUIPMENT
HOV MOTOR OPERATED VALVE

1SAS*HOV102	VALVE H.O. 4"-150 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	52	NA		
1SAS*HOV103	VALVE H.O. 4"-150 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	52	NA	Y	
											B		
											NA		
											B		Y

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

DOCKET NO. 50-458

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

SYSTEM SCV STA CONT BUS (VITAL) - AC SUPPLY INCL TFMR & TRANS SWBOP EQUIPMENT
PNL PANEL

1SCV*PNL14A1	PANEL BOARDS SQUARE "D" CO.	242.421	CB	98	DW	Y	NA	NA	SF		7		
1SCV*PNL14B1	PANEL BOARDS SQUARE "D" CO.	242.421	CB	98	DW	Y	NA	NA	SF		C		Y
1SCV*PNL15A1	PANEL BOARDS SQUARE "D" CO.	242.421	DG	98	DW	Y	NA	NA	SF		C		Y
1SCV*PNL15B1	PANEL BOARDS SQUARE "D" CO.	242.421	DG	98	DW	Y	NA	NA	SF		C		Y
1SCV*PNL16A1	PANEL BOARDS SQUARE "D" CO.	242.421	SH-CL	138	DW	Y	NA	NA	SF		C		Y
1SCV*PNL16B1	PANEL BOARDS SQUARE "D" CO.	242.421	SH-CL	138	DW	Y	NA	NA	SF		C		Y
1SCV*PNL2A1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DW	Y	NA	NA	SF		C		Y
1SCV*PNL2A2	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DW	Y	NA	NA	SF		C		Y
1SCV*PNL2B1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DW	Y	NA	NA	SF		C		Y
1SCV*PNL2B2	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DW	Y	NA	NA	SF		C		Y
1SCV*PNL2C1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DW	Y	NA	NA	SF		C		Y
1SCV*PNL2D1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DW	Y	NA	NA	SF		C		Y
1SCV*PNL2E1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	114	DW	Y	NA	NA	SF		C		Y
1SCV*PNL2F1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	114	DW	Y	NA	NA	SF		C		Y
1SCV*PNL2G1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	114	DW	Y	NA	NA	SF		C		Y
1SCV*PNL2H1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	114	DW	Y	NA	NA	SF		C		Y
1SCV*PNL2J1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DW	Y	NA	NA	SF		C		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

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

XD TRANSFORMER DISTRIBUTION

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	141	DW	Y	NA	NA	SF	32	4	A	Y
1SCV*XD2H1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	NA	NA	SF	32	4	A	Y
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	
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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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 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
1SFC*E1B	COOLERS STRUTHERS	223.312	FB	95	CF	Y	NA	S	NA	16	17 A

LT LEVEL TRANSMITTER

1SFC*LT11A	PRESS TRANSMITT ROSEMOUNT	247.481	CT	188	RH	Y	Y	NA	MF		49,50 B
1SFC*LT11B	PRESS TRANSMITT ROSEMOUNT	247.481	CT	189	RH	Y	Y	NA	MF		49,50 B
1SFC*LT28A	PRESS TRANSMITT ROSEMOUNT	247.481	FB	113	RH	Y	NA	NA	MF		18 A
1SFC*LT28B	PRESS TRANSMITT ROSEMOUNT	247.481	RB	113	RH	Y	NA	NA	MF		18 A

MOV MOTOR OPERATED VALVE

1SFC*MOV119	VALVE H.O. 12"-150 LB VELAN	228.216	FB	131	LH	Y	Y	S	MF	85	NA B
1SFC*MOV120	VALVE H.O. 1.5"-150 LB VELAN	228.216	AN	130	LH	Y	Y	S	MF	85	NA B Y
1SFC*MOV121	VALVE H.O. 8"-150 LB VELAN	228.216	FB	113	LH	Y	Y	S	MF		NA C Y
1SFC*MOV122	VALVE H.O. 12"-150 LB VELAN	228.216	FB	113	LH	Y	Y	S	MF	85	NA B
1SFC*MOV139	VALVE H.O. 8"-150 LB VELAN	228.216	AN	130	LH	Y	Y	S	MF		NA C 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---

SYSTEM SFC SPENT FUEL POOL COOLING AND CLEAN-UP

PH													
		*											
1SFC*PH1A	COOLING PUMP GOULDS PUMPS INC	223.311	FB	70	CF	Y	NA	S	NA	72		16	A
1SFC*PH1B	COOLING PUMP GOULDS PUMPS INC.	223.311	FB	70	CF	Y	NA	S	NA	72		16	A
P	PUMP												
1SFC*P1A	COOLING PUMP GOULDS PUMPS INC	223.311	FB	70	CF	Y	NA	S	NA	72		16	A
1SFC*P1B	COOLING PUMP GOULDS PUMPS INC.	223.311	FB	70	CF	Y	NA	S	NA	72		16	A
RTD	RESISTANCE TEMPERATURE RECORDER												
1SFC*RTD7A	THERMOCOUPLES RTD PYCO	247.461	FB	70	LH	Y	NA	NA	MF			NA	B
1SFC*RTD7B	THERMOCOUPLES RTD PYCO	247.461	FB	70	LH	Y	NA	NA	MF			NA	B
TH													
		*											
1SFC*TH10A	THERMOCOUPLES RTD PYCO	247.461	FB	85	LH	Y	NA	NA	MF			NA	B
1SFC*TH10B	THERMOCOUPLES RTD PYCO	247.461	FB	95	LH	Y	NA	NA	MF			NA	B
1SFC*TH5A	THERMOCOUPLES RTD PYCO	247.461	FB	95	LH	Y	NA	NA	MF			NA	B
1SFC*TH5B	THERMOCOUPLES RTD PYCO	247.461	FB	95	LH	Y	NA	NA	MF			NA	B
1SFC*THdA	THERMOCOUPLES RTD PYCO	247.461	FB	95	LH	Y	NA	NA	MF			NA	B

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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	LOWEST	----STATUS----	QUAL INST

SYSTEM SFC SPENT FUEL POOL COOLING AND CLEAN-UP												
TH												
1SFC*TH8B	THERMOCOUPLES RTD PYCO	247.461	FB	95	LH	Y	NA	NA	MF		NA	B

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

SYSTEM SFT FUEL TRANSFER

BOP EQUIPMENT
MOV MOTOR OPERATED VALVE

1SFT-MOV101	VALVE H.O. 1"- VELAN	228.216	FB	070	LH	Y	NA	S	HF	NA C
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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---	
										QUAL	INST

SYSTEM SLS STANDBY LIQUID CONTROL

BOP EQUIPMENT
PNL PANEL

1SLS*PNL120	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORHOOD	247.411	AB	141	DH	Y	NA	S	NA	101	4 D
1SLS*PNL121	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORHOOD	247.411	AB	141	DH	Y	NA	S	NA	101	4 D

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM SSR REACTOR PLANT SAMPLING SYSTEM

BOP EQUIPMENT

SOV SOLENOID VALVE

1SSR*SOV130	VALVE 1/2" TARGET ROCK	247.501	RB	114	LH	Y	Y	S	MF	227	NA B
1SSR*SOV131	VALVE 1/2" TARGET ROCK	247.501	AB	141	LH	Y	Y	S	MF	227	NA B
1SSR*SOV133	VALVE 3/4" TARGET ROCK	247.501	AB	141	LH	Y	Y	S	MF		NA B
1SSR*SOV134	VALVE 3/4" TARGET ROCK	247.501	AB	141	LH	Y	Y	S	MF		NA B
1SSR*SOV139	VALVE 1" TARGET ROCK	247.501	AB	141	LH	Y	Y	S	MF	139	NA B
1SSR*SOV140	VALVE 1" TARGET ROCK	247.501	AB	141	LH	Y	Y	S	MF		NA B

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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	LOWEST

SYSTEM SVV STEAM VENTS - SAFETY VALVES												
BOP EQUIPMENT												
NOV MOTOR OPERATED VALVE												
1SVV*NOV1A	VALVE H.O. 1.5"-600 LB VELAN	228.216	AB	114	LH	Y	NA	S	MF	61	NA B	
1SVV*NOV1B	VALVE H.O. 1.5"-600 LB VELAN	228.216	AB	114	LH	Y	NA	S	MF	61	NA B	
PNL PANEL												
1SVV*PNL101	MONITORING RACK TEC	247.529	CB	136	CF	Y	N	NA	MF		9 B	
RAK RACK												
1SVV*RAK5A	PRE-AMP HOUSING TEC	247.529		114	DH	Y	Y	NA	MF		A	
1SVV*RAK5B	PRE-AMP HOUSING TEC	247.529		114	DH	Y	Y	NA	MF		A	
1SVV*RAK5C	PRE-AMP HOUSING TEC	247.529		114	DH	Y	Y	NA	MF		A	
1SVV*RAK5D	PRE-AMP HOUSING TEC	247.529		114	DH	Y	Y	NA	MF		A	
1SVV*RAK5E	PRE-AMP HOUSING TEC	247.529		114	DH	Y	Y	NA	MF		A	
1SVV*RAK5F	PRE-AMP HOUSING TEC	247.529		114	DH	Y	Y	NA	MF		A	
SOV SOLENOID VALVE												
1SVV*SOV20A	VALVE - 1 1/2" TARGET ROCK	247.501	RB	114	LH	Y	Y	S	MF		NA B	
1SVV*SOV20B	VALVE - 1 1/2" TARGET ROCK	247.501	RB	114	LH	Y	Y	S	MF		NA B	

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM SVV STEAM VENTS - SAFETY VALVES

SOV SOLENOID VALVE

1SVV*SOV21A	VALVE - 1 1/2" TARGET ROCK	247.501	RB	114	LH	Y	Y	S	HF			NA B
1SVV*SOV21B	VALVE - 1 1/2" TARGET ROCK	247.501	RB	114	LH	Y	Y	S	HF			NA B
1SVV*SOV22A	VALVE - 1 1/2" TARGET ROCK	247.501	RB	114	LH	Y	Y	S	HF			NA B
1SVV*SOV22B	VALVE - 1 1/2" TARGET ROCK	247.501	RB	114	LH	Y	Y	S	HF			NA B

ZE PRIMARY POSITION ELEMENT

1SVV*ZE10A	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF			NA A
1SVV*ZE10B	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF			NA A
1SVV*ZE10C	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF			NA A
1SVV*ZE10D	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF			NA A
1SVV*ZE10E	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF			NA A
1SVV*ZE10F	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF			NA A
1SVV*ZE10G	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF			NA A
1SVV*ZE10H	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF			NA A
1SVV*ZE10J	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF			NA A
1SVV*ZE10K	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF			NA A
1SVV*ZE10L	SENSOR TEC	247.529	DW	114	LH	Y	Y	NA	HF			NA A

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

DOCKET NO. 50-458

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

SYSTEM SVV STEAM VENTS - SAFETY VALVES

ZE PRIMARY POSITION ELEMENT

1SVV*ZE10M	SENSOR TEC		247.529	DH	114	LM	Y	Y	NA	HF	NA A
1SVV*ZE10N	SENSOR TEC		247.529	DH	114	LM	Y	Y	NA	HF	NA A
1SVV*ZE10P	SENSOR TEC		247.529	DH	114	LM	Y	Y	NA	HF	NA A
1SVV*ZE10Q	SENSOR TEC		247.529	DH	114	LM	Y	Y	NA	HF	NA A
1SVV*ZE10R	SENSOR TEC		247.529	DH	114	LM	Y	Y	NA	HF	NA A

ZISI

1SVV*ZISI0H	MONITOR TEC	*	247.529	CB	136	RH	Y	N	NA	HF	9 B
1SVV*ZISI0N	MONITOR TEC		247.529	CB	136	RH	Y	N	NA	HF	9 B
1SVV*ZISI0P	MONITOR TEC		247.529	CB	136	RH	Y	N	NA	HF	9 B
1SVV*ZISI0Q	MONITOR TEC		247.529	CB	136	RH	Y	N	NA	HF	9 B
1SVV*ZISI0R	MONITOR TEC		247.529	CB	136	RH	Y	N	N	HF	9 B

ZIS

1SVV*ZIS10A	MONITOR TEC	*	247.529	CB	136	RH	Y	NA	N	HF	9 B
1SVV*ZIS10B	MONITOR TEC		247.529	CB	136	RH	Y	NA	N	HF	9 B
1SVV*ZIS10C	MONITOR TEC		247.529	CB	136	RH	Y	NA	N	HF	9 B

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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

QUAL INST

SYSTEM SVV STEAM VENTS - SAFETY VALVES

ZIS

1SVV*ZIS10D	MONITOR TEC	247.529	CB	136	RH	Y	NA	N	MF	9	B
1SVV*ZIS10E	MONITOR TEC	247.529	CB	136	RH	Y	NA	N	MF	9	B
1SVV*ZIS10F	MONITOR TEC	247.529	CB	136	RH	Y	NA	N	MF	9	B
1SVV*ZIS10G	MONITOR TEC	247.529	CB	136	RH	Y	NA	N	MF	9	B
1SVV*ZIS10H	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF	9	B
1SVV*ZIS10J	MONITOR TEC	247.529	CB	136	RH	Y	NA	N	MF	9	B
1SVV*ZIS10K	MONITOR TEC	247.529	CB	136	RH	Y	NA	N	MF	9	B
1SVV*ZIS10L	MONITOR TEC	247.529	CB	136	RH	Y	NA	N	MF	9	B

ZT

1SVV*ZT10A	PRE-AMP TEC	247.529	DH	114	DW	Y	Y	NA	MF	58	A
1SVV*ZT10B	PRE-AMP TEC	247.529	DH	114	DW	Y	Y	NA	MF	58	A
1SVV*ZT10C	PRE-AMP TEC	247.529	DH	114	DW	Y	Y	NA	MF	58	A
1SVV*ZT10D	PRE-AMP TEC	247.529	DH	114	DW	Y	Y	NA	MF	58	A
1SVV*ZT10E	PRE-AMP TEC	247.529	DH	114	DW	Y	Y	NA	MF	58	A
1SVV*ZT10F	PRE-AMP TEC	247.529	DH	114	DW	Y	Y	NA	MF	58	A
1SVV*ZT10G	PRE-AMP TEC	247.529	DH	114	DW	Y	Y	NA	MF	58	A

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UTILITY GULF STATES

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

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

SYSTEM SVV STEAM VENTS - SAFETY VALVES

EQUIP. ID	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF
ZT											
15VV*ZT10H	PRE-AMP TEC	247.529	DH	114	DH	Y	Y	NA	MF		58 A
15VV*ZT10J	PRE-AMP TEC	247.529	DH	114	DH	Y	Y	NA	MF		58 A
15VV*ZT10K	PRE-AMP TEC	247.529	DH	114	DH	Y	Y	NA	MF		58 A
15VV*ZT10L	PRE-AMP TEC	247.529	DH	114	DH	Y	Y	NA	MF		58 A
15VV*ZT10M	PRE-AMP TEC	247.529	DH	114	DH	Y	Y	NA	MF		58 A
15VV*ZT10N	PRE-AMP TEC	247.529	DH	114	DH	Y	Y	NA	MF		58 A
15VV*ZT10P	PRE-AMP TEC	247.529	DH	114	DH	Y	Y	NA	MF		58 A
15VV*ZT10Q	PRE-AMP TEC	247.529	DH	114	DH	Y	Y	NA	MF		58 A
15VV*ZT10R	PRE-AMP TEC	247.529	DH	114	DH	Y	Y	NA	MF		58 A

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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 SVY

*

BOP EQUIPMENT
HOV MOTOR OPERATED VALVE

1SVY#HOV1B	VALVE H.O. 1.5"-1500 LB VELAN	228.216	AB	141	LM	Y	Y	S	MF	61	NA B
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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---

SYSTEM SHP SERVICE WATER											
BOP EQUIPMENT											
AOV AIR OPERATED VALVE											
1SHP*AOV51A	2"-150# GLOBE FISHER CONTROLS	247.491	AB	141	LH	Y	NA				NA D Y
1SHP*AOV51B	2"-150# GLOBE FISHER CONTROLS	247.491	AB	141	LH	Y	NA				NA D Y
FN FAN											
1SHP*FN1A	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 B
1SHP*FN1B	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 B
1SHP*FN1C	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 B
1SHP*FN1D	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 B
1SHP*FN1E	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 B
1SHP*FN1F	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 B
1SHP*FN1G	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 B
1SHP*FN1H	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 B
1SHP*FN1J	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 B
1SHP*FN1K	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 B
1SHP*FN1L	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 B
1SHP*FN1M	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 B
1SHP*FN1N	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46	33 B

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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													
FN	FAN												
1SHP*FN1P	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46		33 B	
1SHP*FN1Q	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46		33 B	
1SHP*FN1R	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46		33 B	
1SHP*FN1S	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46		33 B	
1SHP*FN1T	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46		33 B	
1SHP*FN1U	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46		33 B	
1SHP*FN1V	AXIVANE FAN JOY HFG CO	232.530	SH-CL	138	CF	Y	NA	D	NA	46		33 B	
FT	FLOW TRANSMITTER												
1SHP*FT59A	PRESS TRANSMITT ROSEHOUNT	247.481	FB	70	RH	Y	NA	NA	MF			16 A	Y
1SHP*FT59B	PRESS TRANSMITT ROSEHOUNT	247.481	FB	70	RH	Y	NA	NA	MF			16 A	Y
1SHP*FT60A	PRESS TRANSMITT ROSEHOUNT	247.481	FB	70	RH	Y	NA	NA	MF			16 A	Y
1SHP*FT60B	PRESS TRANSMITT ROSEHOUNT	247.481	FB	70	RH	Y	NA	NA	MF			16 A	Y
1SHP*FT64A	PRESS TRANSMITT ROSEHOUNT	247.481	AB	95	RH	Y	NA	NA	MF			7 A	Y
1SHP*FT64B	PRESS TRANSMITT ROSEHOUNT	247.481	AB	95	RH	Y	NA	NA	MF			7 A	Y
1SHP*FT69A	PRESS TRANSMITT ROSEHOUNT	247.481	CB	98	RH	Y	NA	NA	MF			7 A	Y
1SHP*FT69B	PRESS TRANSMITT ROSEHOUNT	247.481	CB	98	RH	Y	NA	NA	MF			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- LOWEST	---RRS REF---	
			BLDG	ELEV	HTG	SEIS	HYDR	ANLYS		TEST	QUAL

SYSTEM SHP SERVICE WATER											
FT FLOW TRANSMITTER											
1SHP*FT69C	PRESS TRANSHITT ROSEHOUNT	247.481	CB	98	RM	Y	NA	NA	MF	7	A Y
1SHP*FT69D	PRESS TRANSHITT ROSEHOUNT	247.481	CB	98	RM	Y	NA	NA	MF	7	A Y
HOSE *											
1SHP*HOSE667	FLEX METAL HOSE HTL BELLOWS	247.011				Y		S	MF	10	B
LT LEVEL TRANSMITTER											
1SHP*LT164	PRESS TRANSHITT ROSEHOUNT	247.481	SH-CL	118	RH	Y	NA	NA	MF	31	A
1SHP*LT167	PRESS TRANSHITT ROSEHOUNT	247.481	SH-CL	118	RH	Y	NA	NA	MF	31	A
HOV MOTOR OPERATED VALVE											
1SHP*HOV171	8"-170# BUTTERFLY JAMESBURY	228.243	PT-D	70	LH	Y	NA	D	NA	58	NA A
1SHP*HOV172	8"-170# BUTTERFLY JAMESBURY	228.243	PT-D	70	LH	Y	NA	D	NA	58	NA A Y
1SHP*HOV173	8"-170# BUTTERFLY JAMESBURY	228.243	PT-D	70	LH	Y	NA	D	NA	58	NA A Y
1SHP*HOV174	8"-170# BUTTERFLY JAMESBURY	228.243	PT-D	70	LH	Y	NA	D	NA	58	NA A Y
1SHP*HOV27A	6"-150# BUTTERFLY JAMESBURY	228.243	CB	98	LH	Y	NA	D	NA	58	NA A Y
1SHP*HOV27B	6"-150# BUTTERFLY JAMESBURY	228.243	CB	98	LH	Y	NA	D	NA	58	NA 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	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST		---STATUS---	QUAL INST

SYSTEM SWP SERVICE WATER													
HOV MOTOR OPERATED VALVE													
1SHP*MOV27C	6"-150# BUTTERFLY JAMESBURY	228.243	CB	98	LM	Y	NA	D	NA	58	NA		Y
1SHP*MOV27D	6"-150# BUTTERFLY JAMESBURY	228.243	CB	98	LM	Y	NA	D	NA	58	NA		Y
1SHP*MOV4A	VALVE H.O. 10"-600 LB VELAN	228.212	CT	141	LM	Y	Y	S	HF	58	NA		Y
1SHP*MOV4B	VALVE H.O. 10"-600 LB VELAN	228.212	CT	141	LM	Y	Y	S	HF	58	NA		Y
1SHP*MOV40A	18"-155# BUTTERFLY JAMESBURY	228.243	SH-CL	118	LM	Y	NA	D	NA	52	NA		Y
1SHP*MOV40B	18"-155# BUTTERFLY JAMESBURY	228.243	SH-CL	118	LM	Y	NA	D	NA	52	NA		Y
1SHP*MOV40C	18"-155# BUTTERFLY JAMESBURY	228.243	SH-CL	118	LM	Y	NA	D	NA	52	NA		Y
1SHP*MOV40D	18"-155# BUTTERFLY JAMESBURY	228.243	SH-CL	118	LM	Y	NA	D	NA	52	NA		Y
1SHP*MOV5A	VALVE H.O. 10"-600 LB. VELAN	228.212	CT	141	LM	Y	Y	S	HF	58	NA		Y
1SHP*MOV5B	VALVE H.O. 10"-600 LB VELAN	228.212	CT	162	LM	Y	Y	S	HF	58	NA		Y
1SHP*MOV501A	18"-155# BUTTERFLY JAMESBURY	228.243	PT-E	70	LM	Y	NA	D	NA	52	NA		Y
1SHP*MOV501B	18"-155# BUTTERFLY JAMESBURY	228.243	PT-E	70	LM	Y	NA	D	NA	52	NA		Y
1SHP*MOV502A	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162	LM	Y	Y	S	HF	54	NA		Y
1SHP*MOV502B	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162	LM	Y	Y	S	HF	54	NA		Y
1SHP*MOV503A	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162	LM	Y	Y	S	HF	54	NA		Y
1SHP*MOV503B	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162	LM	Y	Y	S	HF	54	NA		Y
1SHP*MOV504A	VALVE H.O. 12"-300 LB VELAN	228.212	AB	070	LM	Y	Y	S	HF	79	NA		Y

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UT ITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCUMENT 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 SWP SERVICE WATER													
HOV MOTOR OPERATED VALVE													
1SHP*MOV504B	VALVE H.O. 12"-300 LB VELAN	228.212	AB	070	LH	Y	NA	S	HF	82	NA	B	Y
1SHP*MOV505A	30"-135# BUTTERFLY JAMESBURY	228.243	SH-CL	66	LH	Y	NA	D	NA	>33	NA	A	
1SHP*MOV505B	30"-135# BUTTERFLY JAMESBURY	228.243	SH-CL	66	LH	Y	NA	D	NA	>33	NA	A	
1SHP*MOV506A	8"-170# BUTTERFLY JAMESBURY	228.243	PT-B	67	LH	Y	NA	D	NA	58	NA	A	
1SHP*MOV506B	8"-155# BUTTERFLY JAMESBURY	228.243	PT-B	67	LH	Y	NA	D	NA	58	NA	A	Y
1SHP*MOV507A	VALVE H.O. 12"-500 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	79	NA	B	Y
1SHP*MOV507B	VALVE H.O. 12"-300 LB VELAN	228.212	AB	141	LH	Y	Y	S	HF	79	NA	B	Y
1SHP*MOV510A	VALVE H.O. 12"-300 LB VELAN	228.212	AB	070	LH	Y	NA	S	HF	79	NA	B	Y
1SHP*MOV510B	VALVE H.O. 12"-300 LB VELAN	228.212	AB	070	LH	Y	NA	S	HF	79	NA	B	Y
1SHP*MOV511A	18"-155# BUTTERFLY JAMESBURY	228.243	PT-E	70	LH	Y	NA	D	NA	52	NA	A	Y
1SHP*MOV511B	18"-155# BUTTERFLY JAMESBURY	228.243	PT-E	70	LH	Y	NA	D	NA	52	NA	A	Y
1SHP*MOV55A	30"-135# BUTTERFLY JAMESBURY	228.243	PT-G	66	LH	Y	NA	D	NA	>33	NA	A	Y
1SHP*MOV55B	30"-135# BUTTERFLY JAMESBURY	228.243	PT-G	66	LH	Y	NA	D	NA	>33	NA	A	Y
1SHP*MOV57A	30"-155# BUTTERFLY JAMESBURY	228.243	PT-D	70	LH	Y	NA	D	NA	>33	NA	A	Y
1SHP*MOV57B	30"-155# BUTTERFLY JAMESBURY	228.243	PT-D	70	LH	Y	NA	D	NA	>33	NA	A	Y
1SHP*MOV61A	30"-135# BUTTERFLY JAMESBURY	228.243	PT-G	66	LH	Y	NA	D	NA	>33	NA	A	Y
1SHP*MOV61B	30"-135# BUTTERFLY JAMESBURY	228.243	PT-G	66	LH	Y	NA	D	NA	>33	NA	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	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---

SYSTEM SHP SERVICE WATER

MOV MOTOR OPERATED VALVE

1SHP*MOV73A	VALVE H.O. 4"-150 LB VELAN	228.212	AB	114	LH	Y	NA	S	HF	52	NA	
1SHP*MOV73B	VALVE H.O. 4"-150 LB VELAN	228.212	AB	114	LH	Y	NA	S	HF	52	NA	B
1SHP*MOV74A	VALVE H.O. 4"-150 LB VELAN	228.212	AB	114	LH	Y	NA	S	HF	52	NA	B
1SHP*MOV74B	VALVE H.O. 4"-150 LB VELAN	228.212	AB	114	LH	Y	NA	S	HF	52	NA	B
1SHP*MOV77A	6"-155# BUTTERFLY JAMESBURY	228.243	PT-B	67	LH	Y	NA	D	NA	58	NA	B
1SHP*MOV77B	8"-155# BUTTERFLY JAMESBURY	228.243	PT-B	6	LH	Y	NA	D	NA	58	NA	A Y
1SHP*MOV81A	VALVE H.O. 12"-300 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	79	NA	A Y
1SHP*MOV81B	VALVE H.O. 12"-300 LB VELAN	228.212	AB	141	LH	Y	Y	S	HF	79	NA	B Y
1SHP*MOV96A	8"-155# BUTTERFLY JAMESBURY	228.243	PT-D	70	LH	Y	NA	D	NA	58	NA	B Y
1SHP*MOV96B	8"-155# BUTTERFLY JAMESBURY	228.243	PT-D	70	LH	Y	NA	D	NA	58	NA	A Y
											NA	A Y

PT PRESSURE TRANSMITTER

1SHP*PT21A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	96	RH	Y	NA	NA	HF			A Y
1SHP*PT21B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	96	RH	Y	NA	NA	HF			A Y
1SHP*PT21C	PRESS TRANSHITT ROSEMOUNT	247.481	AB	96	RH	Y	NA	NA	HF			A Y
1SHP*PT21D	PRESS TRANSHITT ROSEMOUNT	247.481	AB	96	RH	Y	NA	NA	HF			A Y
1SHP*PT21E	PRESS TRANSHITT ROSEMOUNT	247.481	AB	96	RH	Y	NA	NA	HF			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 METH- ANLYS TEST	-NAT FREQ- LOHEST	---RRS REF---	
			BLDG	ELEV	MTG	SEIS	HYDR			STATUS	QUAL

SYSTEM SHP SERVICE WATER

PT PRESSURE TRANSMITTER

1SHP*PT21F	PRESS TRANSMITT ROSEHOUNT	247.481	AB	96	RH	Y	NA	NA	MF		A	Y
1SHP*PT21G	PRESS TRANSMITT ROSEHOUNT	247.481	AB	96	RH	Y	NA	NA	MF		A	Y
1SHP*PT21H	PRESS TRANSMITT ROSEHOUNT	247.481	AB	96	RH	Y	NA	NA	MF		A	Y
1SNP*PT32A	PRESS TRANSMITT ROSEHOUNT	247.481	CB	98	RH	Y	NA	NA	MF		7 A	Y
1SNP*PT32B	PRESS TRANSMITT ROSEHOUNT	247.481	CB	98	RH	Y	NA	NA	MF		7 A	Y
1SHP*PT32C	PRESS TRANSMITT ROSEHOUNT	247.481	CB	98	RH	Y	NA	NA	MF		7 A	Y
1SHP*PT32D	PRESS TRANSMITT ROSEHOUNT	247.481	CB	98	RH	Y	NA	NA	MF		7 A	Y
1SHP*PT50A	PRESS TRANSMITT ROSEHOUNT	247.481	SW-CL	118	RH	Y	NA	NA	MF		31 A	Y
1SNP*PT50B	PRESS TRANSMITT ROSEHOUNT	247.481	SW-CL	118	RH	Y	NA	NA	MF		31 A	Y

PVX

1SHP*PVX32A	3"-150# GLOBE COPE'S VULCAN	247.497	CE	98	LH	Y	NA	S	NA	81	NA B	Y
1SHP*PVX32B	3"-150# GLOBE COPE'S VULCAN	247.497	CB	98	LH	Y	NA	S	NA	81	NA B	Y
1SHP*PVX32C	3"-150# GLOBE COPE'S VULCAN	247.497	CB	98	LH	Y	NA	S	NA	81	NA B	Y
1SHP*PVX32D	3"-150# GLOBE COPE'S VULCAN	247.497	CB	98	LH	Y	NA	S	NA	81	NA B	Y

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

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----		
	DESCRIPTION MANUFACTURER	SPEC NO.	BLOG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	---STATUS---	
*****											QUAL	INST
SYSTEM SHP SERVICE WATER												
PVY *												
1SHPwPVY32A	3"-150# GLOBE COPE'S VULCAN	247.497	CB	98	LH	Y	NA	S	NA	86	NA B	Y
1SHPwPVY32B	3"-150# GLOBE COPE'S VULCAN	247.497	CB	98	LH	Y	NA	S	NA	86	NA B	Y
1SHPwPVY32C	3"-150# GLOBE COPE'S VULCAN	247.497	CB	98	LH	Y	NA	S	NA	86	NA B	Y
1SHPwPVY32D	3"-150# GLOBE COPE'S VULCAN	247.497	CB	98	LH	Y	NA	S	NA	86	NA B	Y
P PUMP												
1SHPwP2A	WATER PUMP HAYWARD TYLER CO	232.920	SH-CL	118	CF	Y	NA	S	NA	26	31 A	Y
1SHPwP2B	WATER PUMP HAYWARD TYLER CO	232.920	SH-CL	118	CF	Y	NA	S	NA	26	31 A	Y
1SHPwP2C	WATER PUMP HAYWARD TYLER CO	232.920	SH-CL	118	CF	Y	NA	S	NA	26	31 A	Y
1SHPwP2D	WATER PUMP HAYWARD TYLER CO	232.920	SH-CL	118	CF	Y	NA	S	NA	26	31 A	Y
1SHPwP3A	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	NA	S	NA	33	7 A	Y
1SHPwP3B	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	NA	S	NA	33	7 A	Y
1SHPwP3C	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	NA	S	NA	33	7 A	Y
1SHPwP3D	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	NA	S	NA	33	7 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 SHP SERVICE WATER

RTD RESISTANCE TEMPERATURE RECORDER

1SHP*RTD31A	THERMOCOUPLES RTD PYCO	247.461	SH-CL	86	LH	Y	NA	NA	MF		NA B
1SHP*RTD31B	THERMOCOUPLES RTD PYCO	247.461	SH-CL	36	LH	Y	NA	NA	MF		NA B

RV *

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

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

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	EQUIPMENT		LOCATION			LOADS			QUAL METH	NAT FREQ	RRS REF	
		SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	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	DH	Y	NA	NA	SF			9	
1VBS*PNL01B	PANEL BOARDS SQUARE "D" CO.	242.421	CB	136	DH	Y	NA	NA	SF			9	Y

TRS

1VBS*TRS01A	SWITCH ELGAR CORP.	244.512	CB	116	CF	Y	NA	NA	MF			8,9	
1VBS*TRS01B	SWITCH ELGAR CORP.	244.512	CB	116	CF	Y	NA	NA	MF			8,9	

XRC

1VBS*XRC14A1	TRANSFORMER ELGAR CORP.	244.512	CB	116	CF	Y	NA	NA	MF			8,9	
1VBS*XRC14B1	TRANSFORMER ELGAR CORP.	244.512	CB	116	CF	Y	NA	NA	MF			8,9	

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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 WCS REACTOR WATER CLEAN-UP

BOP EQUIPMENT
HOSE

1WCS*HOSE1	FLEX METAL HOSE MTL BELLOWS	247.011				Y		S	MF	10		A
1WCS*HOSE2	FLEX METAL HOSE MTL BELLOWS	247.011				Y		S	MF	10		A
1WCS*HOSE3	FLEX METAL HOSE MTL BELLOWS	247.011				Y		S	MF	10		A
1WCS*HOSE4	FLEX METAL HOSE MTL BELLOWS	247.011				Y		S	MF	10		A

MOV MOTOR OPERATED VALVE

1WCS*MOV111	VALVE H.O. 4"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	MF	52	NA	
1WCS*MOV172	VALVE H.O. 25"-150 LB VELAN	228.212	AB	114	LH	Y	Y	S	MF		NA	Y
1WCS*MOV173	VALVE H.O. 2.5"-150 LB VELAN	228.212	AB	114	LH	Y	Y	S	MF		NA	Y
1WCS*MOV178	VALVE H.O. 2.5"-150 LB VELAN	228.212	CT	141	LH	Y	Y	S	MF		NA	Y

RV

1WCS*RV144	RELIEF VALVES CROSBY	247.521	RB	141	LH	Y	Y	S	SO	333	NA	
1WCS*RV154	RELIEF VALVES CROSBY	247.521	RB	147	LH	Y	Y	S	SO	157	NA	A

***** FT06 TYPE 1 176 FIELDS WERE PRINTED AS INV#_ID, MISSING OR OVERFLOW.
***** FT03 TYPE 0 END OF REPORT.

***** M204 TYPE 0 NUMBER OF MESSAGES PRINTED IS 3.
SORTOUT - 1937 RECORDS INPUT
FINAL - 1 RECORDS INPUT
A - 6199 RECORDS OUTPUT
***** M209 TYPE 0 375680 BYTES OF MAIN STORAGE UNUSED DURING REPORTING PHASE

****A.. END ..JOB 2137..R0082EQD..B.BARNES
****A.. END ..JOB 2137..R0082EQD..B.BARNES
****A.. END ..JOB 2137..R0082EQD..B.BARNES

.FLOOR 2R ...2.30.57 PH 31 JUL 84..R3.PR2
.FLOOR 2R ...2.30.57 PH 31 JUL 84..R3.PR2
.FLOOR 2R ...2.30.57 PH 31 JUL 84..R3.PR2

..SYS.C168..JOB 2137.. END ..A****
..SYS.C168..JOB 2137.. END ..A****
..SYS.C168..JOB 2137.. END ..A****

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****A.. END ..JOB 2137..R0082EQD..B.BARNES
****A.. END ..JOB 2137..R0082EQD..B.BARNES
****A.. END ..JOB 2137..R0082EQD..B.BARNES

.FLOOR 2R ...2.30.57 PH 31 JUL 84..R3.PR2
.FLOOR 2R ...2.30.57 PH 31 JUL 84..R3.PR2
.FLOOR 2R ...2.30.57 PH 31 JUL 84..R3.PR2

..SYS.C168..JOB 2137.. END ..A****
..SYS.C168..JOB 2137.. END ..A****
..SYS.C168..JOB 2137.. END ..A****