NUSCO-12179-MILLSTONE UNIT 3
SEISMIC AND DYNAMIC QUALIFICATION STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

INTRODUCTION

THE MASTER LISTING OF SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS OF SAFETY-RELATED EQUIPMENT (REPORT NO. SQT-001) INCLUDES ALL QA CATEGORY 1 EQUIPMENT FOR WHICH SEISMIC QUALIFICATION DOCUMENTATION MUST BE PROVIDED. EXCLUDED FROM THIS LISTING ARE: (A) PIPE MOUNTED IN-LINE EQUIPMENT - FLEXHOSES, ORIFICE PLATES, VENTURIS, RTD THERMOWELLS, PIPING THIMBLES, PIPING EXPANSION JOINTS, AND MANUAL VALVES
(B) EQUIPMENT SUPPORTS - PIPING, TUBING AND INSTRUMENTATION SUPPORTS, PIPE RUPTURE RESTRAINTS (C) ELECTRICAL CABLE, CABLETRAY SYSTEMS, CONDUIT SYSTEMS, PENETRATIONS(ELECTRICAL),JUNCTION BOXES.

SAFETY SYSTEM AND FUNCTION WITH EQUIPMENT SUPPLIER ARE SHOWN IN ATTACHMENT A

THE DATA ITEMS CONTAINED IN THIS REPORT ARE DESCRIBED BELOW.

EQUIPMENT ID:
IN GENERAL, THE EQUIPMENT ID CONSISTS OF UNIT NO. (3 FOR MILLSTONE UNIT 3), SYSTEM CODE (THREE CHARACTER SYSTEM CODE FOLLOWED BY DASH (-) OR ASTERISK (*) AND EQUIPMENT CODE (ONE TO FOUR CHARACTER EQUIPMENT CODE FOLLOWED BY A NUMERIC ID).

STANDARD SYSTEM AND EQUIPMENT CODES ARE DEFINED WITHIN THE LISTING.

EQUIPMENT:
DESCRIPTION: DESCRIPTION OF EQUIPMENT OR ITS SERVICE.

VENDOR: THE COMPANY ACCEPTING THE OVERALL RESPONSIBILITY FOR FULFILLING THE REQUIREMENTS.

VENDOR MODEL: MODEL NUMBER DEFINED BY VENDOR.

MANUFACTURER: THE COMPANY RESPONSIBLE FOR SUB-COMPONENT FABRICATION.

MODEL: MODEL NUMBER DEFINED BY MANUFACTURER.

QUAL. REPORT: VENDORS DOCUMENT IDENTIFICATION NUMBER FOR SEISMIC QUALIFICATION.

SPEC: SPECIFICATION NUMBER (LAST 3 CHARACTERS ONLY)

LOCATION:
BLDG: BUILDING IN WHICH ITEM IS LOCATED (SEE ATTACHMENT B FOR BUILDING CODES).

ELEV: ELEVATION (00000 IF NOT YET ASSIGNED)

MTG: MOUNTING CONDITION
CF FOR CONCRETE FLOOR MOUNTING
CW FOR CONCRETE WALL MOUNTING
DM FOR DIRECT MOUNTING
HM FOR HANGER MOUNTING

8410190321 841016
PDR ADOCK 05000423
A PDR

RM FOR RACK MOUNTING
CM FOR CABINET MOUNTING
EM FOR EQUIPMENT MOUNTING

LOADS:

SEIS: INDICATE IF SEISMIC LOADS ARE APPLICABLE. YES (Y) OR NO (N).

OTHER DYN: INDICATE IF OTHER DYNAMIC LOADS ARE APPLICABLE. YES (Y)62
OR NO (N).

REQ'D INPUT (ZPA): APPLICABLE G LEVEL (WHERE 2 VALUES ARE GIVEN
THEY ARE HORIZONTAL AND VERTICAL RESPECTIVELY)

QUAL METH: (QUALIFICATION METHOD)

ANLYS: ANALYSIS 'S' FOR STATIC
'D' FOR DYNAMIC
'N' FOR NOT APPLICABLE

TEST FREQ. TEST FREQUENCY: 'SF' FOR SINGLE FREQUENCY
'MF' FOR MULTIPLE FREQUENCY
'NA' FOR NOT APPLICABLE

TEST DIR. TEST DIRECTION: 'SD' FOR SINGLE DIRECTION
'MD' FOR MULTIPLE DIRECTION
'NA' FOR NOT APPLICABLE

NAT FREQS: LOWEST NATURAL FREQUENCY (33+ = GREATER THAN 33
33- = LESS THAN 33)
F/B FRONT TO BACK
S/S SIDE TO SIDE
VERT VERTICAL

STATUS:

SQ: SEISMIC QUALIFICATION STATUS

A. THE QUALIFICATION AND ASSOCIATED DOCUMENTATION ARE COMPLETE
B. THE QUALIFICATION TESTING IS FINISHED BUT THE ASSOCIATED DOCUMENTATION IS NOT YET SUBMITTED OR IS STILL IN REVIEW.
C. THE QUALIFICATION PLAN/PROCEDURE IS DOCUMENTED, BUT TESTING HAS NOT YET BEGUN.
D. EQUIPMENT TO BE QUALIFIED.
E. EQUIPMENT IS JUDGED NOT QUALIFIABLE AND WILL BE REPLACED93 WITH QUALIFIED EQUIPMENT.
F. THE QUALIFICATION IS NOT COMPLETE FOR ALL ITEMS IN THE ASSEMBLY.

INS: INSTALLATION STATUS

' ' (BLANK) EQUIPMENT HAS NOT BEEN INSTALLED
'Y' EQUIPMENT HAS BEEN INSTALLED
'I' EQUIPMENT HAS BEEN INSTALLED AND INSPECTED

RRS REF: STONE AND WEBSTER ARS CALCULATION #.

CODES: APPLICABLE CODES AND STANDARDS.

FOR EQUIPMENT WITHOUT AN ID (SUBCOMPONENT) SEE ATTACHMENT C FOR DATA ITEMS

ATTACHMENT A SAFETY SYSTEM & FUNCTION WITH EQUIPMENT SUPPLIER

SAFETY SYSTEM	FUNCTION	SUPPLIER (AE,NSS OTHER)	SAFETY SYSTEM	FUNCTION	SUPPLIER (AE,NSS OTHER)
BDG	2,6	AE	HVR		AE
BYS	1,2,3,4,5,6		HVS		AE
CCE	2,3,4,5,6	AE	HVU		AE
CCI	2,3,4,5,6	AE	HVV		AE
CCP	2,3,4,5,6	AE	HVY		AE
CDS			HVZ		AE
CES	1,2,3,4,5,6		IAS		AE
CHS	1,2,3,6	NSS	LAC		
CMS	2,6	AE	LAD		
CVS		AE	LAK		
DAS	2,5,6	AE	LAP		
DGS	2,5,6	AE	LAR		
DTM	2,5,6	AE	LAT		
EGA	1,2,3,4,5,6	AE/COLT	LAW		
EGD	1,2,3,4,5,6	AE	LMS	6	AE
EGF	1,2,3,4,5,6	AE	MSS	1,2,5,6	AE
EGO	1,2,3,4,5,6	COLT	PGS		AE
EGS	1,2,3,4,5,6	AE/COLT	QSS	2,4,6	AE
EHS			RCS	1,2,3,5,6	NSS
EJS			RHS	2,3,4,5,6	NSS
ENS			RMS	1,2,3,6	AE
FPN	2,6	AE	RPS	1,2,3,4,5,6	
FWA	2,5,6	AE	RSS	2,4	AE
FWL	1,2,5,6	BINGHAM	SCV	1,2,3,4,5,6	
		WILLMTTE	SFC	6	AE
FWS	1,2,5,6	AE	SGF		AE
GSN			SIH	1,2,3,5,6	NSS
GWS			SIL	1,2,3,5,6	NSS
HCS	1,6	AE	SSP	2,6	AE
HTS		AE	SSR	2,6	AE
HVC	1,2,3,4,5,6	AE	SVV	2,5,6	AE
HVG		AE	SWP	2,3,4,5,6	AE
HVH		AE	VBA	1,2,3,4,5,6	
HVK		AE	VRS		
HVP	1,2,3,4,5,6	AE	WTC		AE
HVQ		AE			

FUNCTION CODES:
1. EMERGENCY REACTOR SHUTDOWN
2. CONTAINMENT ISOLATION
3. CORE COOLING
4. CONTAINMENT HEAT REMOVAL
5. CORE RESIDUAL HEAT REMOVAL
6. PREVENT RELEASE OF RADIOACTIVE MATERIAL

ATTACHMENT B BUILDING CODES

DESCRIPTION	BUILDING
AUXILIARY BOILER ROOM	ABR
AUXILIARY BUILDING	AB
CIRCULATING AND SERVICE WATER PUMPHOUSE	CSP
CONDENSATE POLISHING ENCLOSURE	CPE
CONTAINMENT STRUCTURE	CS
CONTROL BLDG	CB
EMERGENCY GENERATOR ENCLOSURE	EGE
ENGINEERED SAFETY FEATURES BUILDING	ESB
FUEL BUILDING	FB
HYDROGEN RECOMBINER BUILDING	HRB
MAIN STEAM VALVE BUILDING	MSV
MCC AND ROD CONTROL AREA (IN AUX BLDG)	MRC
OFFICE BUILDING	OB
OUTSIDE YARD	OY
SERVICE BUILDING	SB
TURBINE BUILDING	TB
VARIOUS	VAR
WASTE DISPOSAL BUILDING	WDB
WAREHOUSE	WH

ATTACHMENT C EQUIPMENT WITHOUT AN ID (SUB-COMPONENT)

1.) NAMCO LIMIT SWITCH MODEL EA-170 ,QUAL REPORT QTR-107
MODEL EA-180 ,QUAL REPORT QTR-105
MODEL EA-740 ,QUAL REPORT QTR-111

DATA:

MTG: EM
LOADS: SEISMIC- Y; OTHER DYN- N; REQUIRED INPUT (ZPA)- 3G
QUAL METH: ANLYS- N; TEST FREQ- SF; TEST DIR- SD
NAT FREQS: 33+
STATUS: SQ- A; INS-
RRS REF: NA
CODES: IEEE-323,344,382

2.) LIMITORQUE MOTOR OPERATORS
MODELS SMB,SB,SBD,SMB/HBC,QUAL REPORT B0058

DATA:
MTG: EM
LOADS: SEISMIC- Y; OTHER DYN- N; REQUIRED INPUT- 3G
QUAL METH: ANLYS- N; TEST FREQ- MF; TEST DIR- MD
NAT FREQS: 33+
STATUS: SQ- A; INS-
RRS REF: NA

CODES: IEEE-323,344,382

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM BDG - BLOWDOWN - STEAM GENERATOR (NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS / DYN.	LOADS: OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
SWEC EQUIPMENT														
CTV - VALVE,CONTAINMENT,TRIP														
3BDG*CTV22A	STM GEN OUT TO BLDN TK		MSV 00020	DM	Y	N 3G	S	NA	NA		33+		A	Y
	FISHER	FQP-22-9/10A		NA										
	667NS-ES	185		ASME III,CL2										
	NAMCO LIMIT SWITCH	EA 180												
3BDG*CTV22B	STM GEN OUT TO BLDN TK		MSV 00020	DM			S	NA	NA		33+		A	Y
	FISHER	FQP-22-9/10A		NA										
	667NS-ES	185		ASME III,CL2										
	NAMCO LIMIT SWITCH	EA 180												
3BDG*CTV22	STM GEN OUT TO BLDN TK		MSV 00020	DM			S	NA	NA		33+		A	Y
	FISHER	FQP-22-9/10A												
	667NS-ES	185		ASME III,CL2										
	NAMCO LIMIT SWITCH	EA 180												
3BDG*CTV22D	STM GEN OUT TO BLDN TK		MSV	DM			S	NA	NA		33+		A	Y
	FISHER	FQP-22-9/10A		NA										
	667NS-ES	185		ASME III,CL2										
	NAMCO LIMIT SWITCH	EA 180												
SOV - VALVE,SOLENOID														
3BDG*SOV22A1	STM GEN OUT TO BLDN TK		MSV 00021	EM	Y	N 3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368		NA										
		185		IEEE-323,344,382										
	ASCO SOLENOID	NPK 8320												

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM BDG - BLOWDOWN - STEAM GENERATOR (NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG / RRS REF / CODES	ELEV	MTG	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3BDG*SOV22A2	SG OUT TO BLDN TK		MSV 00012		EM	Y	N	3G	N	SF	SD	*	35+		A	Y
	FISHER	AQR-67638			NA											
		185			IEEE-323,344,382											
	ASCO SOLENOID	NPK 8320														
3BDG*SOV22B1	STM GEN OUT TO BLDN TK		MSV 00021		EM	Y	N	3G	N	SF	SD	*	35+		A	Y
	FISHER	AQR-67638			NA											
		185			IEEE-323,344,382											
	ASCO SOLENOID	NPK 8320														
3BDG*SOV22B2	SG OUT TO BLDN TK		MSV 00012		EM	Y	N	3G	N	SF	SD	*	35+		A	Y
	FISHER	AQR-67638			NA											
		185			IEEE-323,344,382											
	ASCO SOLENOID	NPK 8320														
3BDG*SOV22C1	STM GEN OUT TO BLDN TK		MSV 00021		EM	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368			NA											
		185			IEEE-323,344,382											
	ASCO SOLENOID	NPK 8320														
3BDG*SOV22C2	SG OUT TO BLDN TK		MSV 00012		EM	Y	N	3G	N	SF	SD	*	35+		A	Y
	FISHER	AQR-67638			NA											
		185			IEEE-323,344,382											
	ASCO SOLENOID	NPK 8320														
3BDG*SOV22D1	STM GEN OUT TO BLDN TK		MSV 00021		EM	Y	N	3G	N	SF	SD	*	35+		A	Y
	FISHER	AQR-67638			NA											
		185			IEEE-323,344,382											
	ASCO SOLENOID	NPK 8320														
3BDG*SOV22D2	SG OUT TO BLDN TK		MSV 00021		EM	Y	N	3G	N	SF	SD	*	35+		A	Y
	FISHER	AQR-67638			NA											
		185			IEEE-323,344,382											
	ASCO SOLENOID	NPK 8320														

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PROJECT EQUIPMENT SYSTEM
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MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM BYS - BATTERY - 125V - STATION

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER / DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT																	
BAT - BATTERY																	
3BYS*BAT-1	+301A-1 125VDC BATTERY RED		CB	00004	RM	Y	N	.25.15	S	MF	MD		22+	22+	22+	A	I
	GOULD	TL 889			NS(B)-017,REV 1B												
		259			IEEE 323,344												
	LEAD CALCUIM	NCX-1650															
3BYS*BAT-2	+301B-1 125VDC BATTERY WHITE		CB	00004	RM	Y	N	.25.15	S	MF	MD		22+	22+	22+	A	I
	GOULD	TL 889			NS(B)-017,REV 1B												
		259			IEEE 323,344												
	LEAD CALCIUM	NCX-1650															
3BYS*BAT-3	+301A-2 125VDC BATTERY BLUE		CB	00004	RM	Y	N	.25.15	S	MF	MD		22+	22+	22+	A	I
	GOULD	TL 889			NS(B)-017,REV 1B												
		259			IEEE 323,344												
	LEAD CALCIUM	NCX-750															
3BYS*BAT-4	+301B-2 125VDC BATTERY YELLOW		CB	00004	RM	Y	N	.25.15	S	MF	MD		22+	22+	22+	A	I
	GOULD	TL 889			NS(B)-017,REV 1B												
		259			IEEE 323,344												
	LEAD CALCIUM	NCX-750															
CHGR - CHARGER,BATTERY																	
3BYS*CHGR-1	BATTERY CHARGER		CB	00004	CF	Y	N	.25.15	N	MF	MD		NA	NA	NA	A	I
	C&D BATTERIES	NYLE 46635-1			NS(B)-017,REV 1B												
	ARR130HK200F	260			IEEE 344												
	C&D	200AMP															

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM BYS - BATTERY - 125V - STATION

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3BYS*CHGR-2	BATTERY CHARGER C&D BATTERIES ARR130HK200F C&D	 WYLE 46635-1 260 200 AMP	CB	00004	CF NS(B)-017,REV 1B IEEE 344	Y	N	.25.15	N	MF	MD		NA	NA	NA	A	I
3BYS*CHGR-3	BATTERY CHARGER C&D BATTERIES ARR130HK50F C&D	 WYLE 46635-1 260 50 AMP	CB	00004	CF NS(B)-017,REV 1B IEEE 344	Y	N	.25.15	N	MF	MD		NA	NA	NA	A	I
3BYS*CHGR-4	BATTERY CHARGER C&D BATTERIES ARR130HK50F C&D	 WYLE 46635-1 260 50 AMP	CB	00004	CF NS(B)-017,REV 1B IEEE 344	Y	N	.25.15	N	MF	MD		NA	NA	NA	A	I
3BYS*CHGR-5	BATTERY CHARGER C&D BATTERIES ARR130HK200F C&D	 WYLE 46635-1 260 200 AMP	CB	00004	CF NS(B)-017,REV 1B IEEE 344	Y	N	.25.15	N	MF	MD		NA	NA	NA	A	I
3BYS*CHGR-7	BATTERY CHARGER C & D BATTERIES ARR130HK200F C & D	 WYLE 46635-1 260 200 AMP	CB	00004	CF NS(B)-017,REV 1B IEEE 344	Y	N	.25.15	N	MF	MD		NA	NA	NA	A	I
3BYS*CHGR-8	BATTERY CHARGER C & D BATTERIES ARR130HK200F C & D	 WYLE 46635-1 260 200 AMP	CB	00004	CF NS(B)-017,REV 1B IEEE-344	Y	N	.25.15	N	MF	MD		NA	NA	NA	A	I
PNL - PANEL																	
3BYS*PNL-1	+301A-1 125VDC DIST PNL BD OR SYSTEMS CONTROL CCB	 46368-1 262	CB	00004	W NS(B)-017 REV 1B IEEE 323,324,37.98	Y	N	.25.15	N	MF	MD		11.5	15.5		A	I

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM BYS - BATTERY - 125V - STATION

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	QUAL METH TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3BYS*PNL-1V	+301A-1A 125VDC DIST SYSTEMS CONTROL CCB	PNL OR 46368-1 262	CB	00004	W NS(B)-017 REV 1B IEEE 323,324,37.98	Y	N	.25.15	N	MF	MD		11.5	15.5		A	I
3BYS*PNL-2	+301B-1 125VDC DIST SYSTEMS CONTROLS CCB	PNL BD PUR 46368-1 262	CB	00004	W NS(B)-017 REV 1B IEEE 323,324,37.98	Y	N	.25.15	N	MF	MD		11.5	15.5		A	I
3BYS*PNL-2V	+301B-1A 125VDC DIST SYSTEMS CONTROL CCB	PNL PUR 46368-1 262	CB	00004	W NS(B)-017 REV 1B IEEE 323,324,37.98	Y	N	.25.15	N	MF	MD		11.5	15.5		A	I
3BYS*PNL-3	+301A-2 125VDC DIST SYSTEMS CONTROL CCB	PNL BD BL 46368-1 262	CB	00004	W NS(B)-017 REV 1B IEEE 323,324,37.98	Y	N	.25.15	N	MF	MD		11.5	15.5		A	I
3BYS*PNL-4	+301B-2 125VDC DIST SYSTEMS CONTROL CCB	PNL BD YL 46368-1 262	CB	00004	W NS(B)-017 REV 1B IEEE 323,324,37.98	Y	N	.25.15	N	MF	MD		11.5	15.5		A	I
PNL - PANEL																	
3BYS*PNLDG1F	125VDC FUSE PNL OR SYSTEM CONTROL CORP. SYSTEM CONTROL CORP.	-82N&-83N 637 125V DC	EGE	00025	CW NS(B)-069,REV.0B IEEE 344	Y	N	.32.15	S	MF	MD		55.2	NA	NA	A	I
3BYS*PNLDG2F	125VDC FUSE PNL PU SYSTEM CONTROL CORP. SYSTEM CONTROL CORP.	-82N&-83N 637 125V DC	EGE	00025	CW NS(B)-069,REV.0B IEEE 344	Y	N	.32.15	S	MF	MD		55.2	NA	NA	A	I

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/21/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM BYS - BATTERY - 125V - STATION

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3BYS*PNL1F	125VDC CONTROL FUSE PNL ORANGE SYSTEM CONTROL	-82N&-83N 637 SYSTEM CONTROL	CB	00047	CF NS(B)-017,REV.1B IEEE 344	Y	N	.40.15	S	MF	MD		55.2	NA	NA	A	I
3BYS*PNL13F	125VDC CONTROL FUSE PNL ORANGE SYSTEM CONTROL CORP	-82N&-83N 637 SYSTEM CONTROL CORP	CB	00047	CF NS(B)-017,REV.1B IEEE 344	Y	N	.40.15	S	MF	MD		55.2	NA	NA	A	I
3BYS*PNL14F	125VDC CONTROL FUSE PNL PURPLE SYSTEM CONTROL CORP	-82N&-83N 637 SYSTEM CONTROL CORP	CB	00047	CF NS(B)-017,REV.1B IEEE 344	Y	N	.40.15	S	MF	MD		55.2	NA	NA	A	Y
3BYS*PNL15F	125VDC CONTROL FUSE PNL-ORANGE SYSTEM CONTROL	-82N&-83N 637 SYSTEM CONTROL	CB	00047	CF NS(B)-017,REV.1B IEEE 344	Y	N	.40.15	S	MF	MD		55.2	NA	NA	A	I
3BYS*PNL16F	125VDC CONTROL FUSE PNL-PURPLE SYSTEM CONTROL	-82N&-83N 637 SYSTEM CONTROL	CB	00047	NS(B)-017,REV.1B IEEE 344	Y	N	.40.15	S	MF	MD		55.2	NA	NA	A	I
3BYS*PNL17F	125VDC CONTROL FUSE PNL-ORANGE SYSTEM CONTROL	-82N&-83N 637 SYSTEM CONTROL CORP.	CB	00047	CF NS(B)-017,REV.1B IEEE 344	Y	N	.40.15	S	MF	MD		55.2	NA	NA	A	I
3BYS*PNL18F	125VDC CONTROL FUSE PNL-PURPLE SYSTEM CONTROL CORP.	-82N&-83N 637 SYSTEM CONTROL CORP.	CB	00047	CF NS(B)-017,REV.1B IEEE 344	Y	N	.40.15	S	MF	MD		55.2	NA	NA	A	I

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM BYS - BATTERY - 125V - STATION

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3BYS*PNL2F	125VDC CONTROL FUSE PNL ORANGE SYSTEM CONTROL CORP	-82N&-83N 637 SYSTEM CONTROL CORP 125V DC	CB	00047	CF NS(B)-017,REV.1B IEEE 344	Y	N	.40.15	S	MF	MD		55.2	NA	NA	A	I
3BYS*PNL20F	125VDC CONTROL FUSE PNL ORANGE SYSTEM CONTROL CORP.	-82N&-83N 637 SYSTEM CONTROL CORP. 125V DC	CB	00004	CF NS(B)-017,REV.1B IEEE 344	Y	N	.40.15	S	MF	MD		55.2	NA	NA	A	I
3BYS*PNL21F	125VDC CONTROL FUSE PNL PURPLE SYSTEM CONTROL CORP.	-82N&-83N 637 SYSTEM CONTROL CORP. 125V DC	CB	00004	CF NS(B)-017,REV.1B IEEE 344	Y	N	.40.15	S	MF	MD		55.2	NA	NA	A	I
3BYS*PNL22F	125VDC CONTROL FUSE PNL ORANGE SYSTEM CONTROL CORP.	-82N&-83N 637 SYSTEM CONTROL CORP. 125V DC	MRC	00025	CW NS(B)-007,REV.1B IEEE 344	Y	N	.27.16	S	MF	MD		55.2	NA	NA	A	I
3BYS*PNL23F	125VDC CONTROL FUSE PNL PURPLE SYSTEM CONTROL CORP.	-82N&-83N 637 SYSTEM CONTROL CORP. 125V DC	MRC	00025	CW NS(B)-007,REV.1B IEEE 344	Y	N	.27.16	S	MF	MD		55.2	NA	NA	A	I
3BYS*PNL3F	125VDC CONTROL FUSE PNL PURPLE SYSTEM CONTROL CORP.	-82N&-83N 637 SYSTEM CONTROL 125V DC	CB	00047	CF NS(B)-017,REV.1B IEEE 344	Y	N	.40.15	S	MF	MD		55.2	NA	NA	A	I
3BYS*PNL4F	125VDC CONTROL FUSE PNL PURPLE SYSTEM CONTROL	-82N&-83N 637 SYSTEM CONTROL 125V DC	CB	00047	CF NS(B)-017,REV.1B IEEE 344	Y	N	.40.15	S	MF	MD		55.2	NA	NA	A	I

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM CCE - COMPONENT COOLING - CHARGING PP.SEAL

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	LOADS ANLYS	QUAL METH TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
SWEC EQUIPMENT																
RV - VALVE,RELIEF																
3CCE*RV43A	CHARGING PP OIL COOLER RLF		AB			Y	N	3G	S	SF	SD		33+		A	Y
		407487 REV5			NA											
	LCT-11	LATER			ASME III,CL3											
3CCE*RV43B	CHARGING PP OIL COOLER RLF		AB			Y	N	3G	S	SF	SD		33+		A	Y
		407487 REV5			NA											
	LCT-11	LATER			ASME III,CL3											
TK - TANK																
3CCE*TK1	CHRG PUMP CLG SURGE TANK		AB	00043	CF	Y	N	.32.18	S	SF	SD	22+	22+	22+	A	Y
	P X ENG	12179-IA-177			NS(B)-007-REV.0B											
	473-4	022			ASME SECT.III,CL3											
P - PUMP																
3CCE*P1A	CHARGING PUMP COOLING PP		AB	00024	CF	Y	N	.27.16	S	N	N		159.6		A	Y
	GOULD PUMPS	ME-205			NS(B)-007 REV 0B											
	SBDP	042			ASME III,CL2											
	WESTINGHOUSE	5 H.P.														
3CCE*P1B	CHARGING PUMP COOLING PP		AB	00024		Y	N	.27.16	S	N	N		159.6		A	Y
	GOULD PUMPS	ME-205			NS(B)-007 REV 0B											
	SBDP	042			ASME III,CL2											
	WESTINGHOUSE	5 H.P.														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CCE - COMPONENT COOLING - CHARGING PP.SEAL

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	HTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
AOV - VALVE,AIR OPERATED																	
3CCE*AOV26A	CHG PMPS CLR OUT CROSSOVER		AB	00028	DM	Y	N	3G	S	NA	NA			33+		A	Y
	FISHER	FQP-22-1B			NA												
	667NS-ES	185			ASME III,CL3												
	NAMCO LIMIT SWITCH	EA 180															
3CCE*AOV26B	CHG PMPS CLR OUT CROSSOVER		AB	00024	DM	Y	N	3G	S	NA	NA			33+		A	Y
	FISHER	FQP-22-1B			NA												
	667NS-ES	185			ASME III,CL3												
	NAMCO LIMIT SWITCH	EA 180															
3CCE*AOV30A	CHG PMPS CLG PMP DIS CRSSOVER		AB	00025	DM	Y	N	3G	S	NA	NA			33+		A	Y
	FISHER	FQP-22-1B			NA												
	667NS-ES	185			ASME III,CL3												
	NAMCO LIMIT SWITCH	EA 180															
3CCE*AOV30B	CHG PMPS CLG PMP DIS CRSSOVER		AB	00025	DM	Y	N	3G	S	NA	NA			33+		A	Y
	FISHER	FQP-22-1B			NA												
	667NS-ES	185			ASME III,CL3												
	NAMCO LIMIT SWITCH	EA 180															
SOV - VALVE,SOLENOID																	
3CCE*SOV26A	CHG PMPS CLR OUT CROSSOVER		AB	00028	EM	Y	N	3G	N	SF	SD			35+		A	
	FISHER	AQR-67368			NA												
		185			IEEE-323,344,382												
	ASCO SOLENOID	NPK 8320															
3CCE*SOV26B	CHG PMPS CLR OUT CROSSOVER		AB	00028	EM	Y	N	3G	N	SF	SD		*	35+		A	
	FISHER	AQR-67638			NA												
		185			IEEE-323,344,382												
	ASCO SOLENOID	NPK 8320															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM CCE - COMPONENT COOLING - CHARGING PP.SEAL

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	TEST FREQ	TEST DIR	F/B	S/S	VERT	STATUS SQ	STATUS INS
3CCE*SOV30A	CHG PMP CLG PMP DIS CROSSOVER FISHER ASCO SOLENOID	 AQR-67638 185 NPK 8320	AB	00025	EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD	*	35+		A	
3CCE*SOV30B	CHG PMP CLG PMP DIS CROSSOVER FISHER ASCO SOLENOID	 AQR-67638 185 NPK 8320	AB	00025	EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD	*	35+		A	
3CCE*SOV37A	CHG PMP CLG TEMP OUT FISHER ASCO SOLENOID	 AQR-67638 185 NPK8320	AB	00025	EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD	*	35+		A	Y
3CCE*SOV37B	CHG PMP CLG TEMP OUT FISHER ASCO SOLENOID	 AQR-67638 185 NPK 8320	AB	00025	EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD	*	35+		A	Y

TV - VALVE,TEMPERATURE

3CCE*TV37A	CHG PMP CLG TEMP OUT 667NS-YS	 FQP-22-1B 185	AB	00024	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	
3CCE*TV37B	CHG PMP CLG TEMP OUT 667NS-YS	 FQP-22-1B 185	AB	00024	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	

RV - VALVE,RELIEF

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CCE - COMPONENT COOLING - CHARGING PP.SEAL

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG / RRS REF / CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3CCE*RV40A	3CCE-E1 DISCH		AB	00024	DM	Y	N	3G	S	SF	SD		33+		A	Y
		407487-REV.5			NA											
	LCT-11	186			ASME III,CL3											
3CCE*RV40B	3CCE-E1 DISCH RLF		AB	00024	DM	Y	N	3G	S	SF	SD		33+		A	Y
		407487-REV.5			NA											
	LCT-11	186			ASME III,CL3											
3CCE*RV43C	CHARGING PP OIL COOLER RLF		AB			Y	N	3G	S	SF	SD		33+		A	Y
		407487 REV5			NA											
	LCT-11	186			ASME III,CL3											

TS - SWITCH,TEMPERATURE

3CCE*TS37A	CHG PMP CLG TEMP OUT		CB	00048	RM	Y	N	.40.15	N	MF	MD	NA	NA	NA	C	
	FOXBORO	QOAAB33			NS(B)-017 REV 1B											
	N-2AD+ALM-AR	392			IEEE 344,323											
	SIGNAL BISTABLES	N-2AP+ALM-AR														
3CCE*TS37B	CHG PMP CLG TEMP OUT		CB	00048	RM	Y	N	.40.15	N	MF	MD	NA	NA	NA	C	
	FOXBORO	QOAAB33			NS(B)-017 REV 1B											
	N-2AD+ALM-AR	392			IEEE 344,323											
	SIGNAL BISTABLES	N-2AP+ALM-AR														

TY - RELAY,COMPUTING,SELECTING OR BOOSTER,TEMPERATURE

3CCE*TY37A	CHG PMP CLG TEMP OUT		CB	00048	RM	Y	N	.40.15	N	MF	MD	NA	NA	NA	D	
	FOXBORO	QOAAB29			NS(B)-017 REV 1B											
	N-2AI-P2V	392			IEEE 344,322											
	R/E CONVERTER	N-2AI-P2V														

REPORT NO. HSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM CCE - COMPONENT COOLING - CHARGING PP.SEAL

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3CCE*TY37B	CHG PMP CLG TEMP OUT		CB	00048	RM	Y	N	.40.15	N	MF	MD		NA	NA	NA	D	
	FOXBORO	QOAAB29			NS(B)-017 REV 1B												
	N-2AI-P2V	392			IEEE 344,323												
	R/E CONVERTER	N-2AI-P2V															
PS - SWITCH,PRESSURE																	
3CCE*PS34A	CHG PMPS CLG PMPS DISCH		AB	00028	RM	Y	N	.32.18	N	SF	SD		40+	40+	40+	A	Y
	AUTOMATIC SWITCH CO	AMR-101083,R.O			NS(B)-007 REV 0B												
	SB21AMR/TE20A32BRX	626			IEEE 323-1974&IEEE 344-1975												
	ASCO PRESSURE SWITCH	SB21AMR/TE20A32BRX															
3CCE*PS34B	CHG PUMPS CLG PMPS DISCH PRESS		AB	00028	RM	Y	N	.32.18	N	SF	SD		40+	40+	40+	A	Y
	AUTOMATIC SWITCH CO	AMR-101083,R.O			NS(B)-007 REV 0B												
	SB21AMR/TE20A32BRX	626			IEEE 323-1974&IEEE 344-1975												
	ASCO PRESSURE SWITCH	SB21AMR/TE20A32BRX															
TE - TEMPERATURE ELEMENT, PRIMARY																	
3CCE*TE37A1	CHG PMP CLG TEMP OUT		AB	00024	DM	Y	N	3.0	N	MF	MD		33+			A	Y
	WEED INSTRUMENT CO	3035-00125-14			NA												
	0213-00125-001	683			IEEE 323,344												
	WEED RTD	612															
3CCE*TE37B1	CHG PMP CLG TEMP OUT		AB	00024	DM	Y	N	3.0	N	MF	MD		33+			A	Y
	WEED INSTRUMENT CO	3035-00125-14			NA												
	0213-00125-001	683			IEEE 323,344												
	WEED RTD	612															

REPORT NO. NSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CCI - COMPONENT COOLING- SAFETY INJECTION PP. SEAL

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	QUAL METH TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
SHEC EQUIPMENT																	
TK - TANK																	
3CCI*TK1	STS PP COOLING SURGE TK P.X. ENGINEERING 473-5	 12179-IA-176 022	ESB	00036	CF NS(B)-010-REV.0B ASME SECT.III,CL3	Y	N	.32.13	S	SF	SD		22+	22+	22+	A	Y
P - PUMP																	
3CCI*P1A	SAFETY INJ PP COOLING PP GOULD PUMPS 3196 WESTINGHOUSE	 ME-206 042 1.5 H.P.	ESB	00021	 NS(B)-010-REV 0B ASME III,CL2	Y	N	.32.13	S	N	N			182.5		A	Y
3CCI*P1B	SAFETY INJ PP COOLING PP GOULD PUMPS 3196 WESTINGHOUSE	 ME-206 042 1.5 H.P.	ESB	00021	 NS(B)-010-REV 0B ASME III,CL2	Y	N	.32.13	S	N	N			182.5		A	Y
RV - VALVE,RELIEF																	
3CCI*RV31A	SAF INJ PMP CLR RLF LCT-11	 407487-REV.5 186	ESB	00024	DM NA ASME III,CL3	Y	N	3G	S	SF	SD			33+		A	Y
3CCI*RV31B	SAF INJ PMP CLR RLF LCT-11	 407487-REV.5 186	ESB	00024	DM NA ASME III,CL3	Y	N	3G	S	SF	SD			33+		A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CCI - COMPONENT COOLING- SAFETY INJECTION PP. SEAL

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3CCI*RV36A	SI PMP BEARING OIL COOLER RIF LCT-11	407487-REV.5 186	ESB		DM NA ASME III,CL3	Y	N	3G	S	SF	SD		33+		A	Y
3CCI*RV36B	SI PMP GEARING OIL COOLER RIF LCT-11	407487-REV.5 186	ESB		DM NA ASME III,CL3	Y	N	3G	S	SF	SD		33+		A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CCP - COMPONENT COOLING-PRI OR REACTOR

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SNEC EQUIPMENT																	
TK - TANK																	
3CCP*TK1	REAC PLT COMP CLG SUR TK P X ENG 473-1	12179-IA-176 022	AB	00066	CF NS(B)-007-REV.0B ASME SECT.III,CL3	Y	N	.32.13	S	SF	SD		22+	22+	22+	A	Y
MOV - VALVE,MOTOR OPERATED																	
3CCP*MOV222	CNTMNT RECIRC CLG COIL C SPLY HENRY PRATT 4-1400 CL3 LIMITORQUE OPERATOR	D-0057-12 164	CS	-0024	DM NA ASME III,CL2	Y	N	3G	S	NA	NA			33+		A	Y
3CCP*MOV223	CNTMNT RECIRC CLG COIL C SPLY HENRY PRATT 4-1400 CL3 LIMITORQUE OPERATOR	D-0057-12 164 SMB-00-2	CS	-0024	DM NA ASME III,CL2	Y	N	3G	S	NA	NA			33+		A	Y
3CCP*MOV224	CNTMNT RECIRC CLG COIL C RTRN HENRY PRATT 4-1400 CL3 LIMITORQUE OPERATOR	D-0057-12 164 SMB-00-2	CS	-0024	DM NA ASME III,CL2	Y	N	3G	S	NA	NA			33+		A	Y
3CCP*MOV225	CNTMNT RECIRC CLG COIL C RTRN HENRY PRATT 4-1400 CL3 LIMITORQUE OPERATOR	D-0057-12 164 SMB-00-2	CS	-0024	DM NA ASME III,CL2	Y	N	3G	S	NA	NA			33+		A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY MUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM CCP - COMPONENT COOLING-PRI OR REACTOR

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS DYN.	OTHER	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CCP*MOV226	CNTMNT RECIRC CLG COIL B SPLY	D-0057-12	CS	-0024	DM NA	Y	N	3G	S	NA	NA		33+			A	Y
	4-1400 CL3	164			ASME III,CL2												
	LIMITORQUE OPERATOR																
3CCP*MOV227	CNTMNT RECIRC CLG COIL B SPLY	D-0057-12	CS	-0024	DM NA	Y	N	3G	S	NA	NA		33+			A	Y
	HENRY PRATT																
	4-1400 CL3	164			ASME III,CL2												
	LIMITORQUE OPERATOR	SMB-00-2															
3CCP*MOV228	CNTMNT RECIRC CLG COIL B RTRN	D-0057-12	CS	-0024	DM NA	Y	N	3G	S	NA	NA		33+			A	Y
	HENRY PRATT																
	4-1400 CL3	164			ASME III,CL2												
	LIMITORQUE OPERATOR	SMB-00-2															
3CCP*MOV229	CNTMNT RECIRC CLG COIL B RTRN	D-0057-12	CS	-0024	DM NA	Y	N	3G	S	NA	NA		33+			A	Y
	HENRY PRATT																
	4-1400 CL3	164			ASME III,CL2												
	LIMITORQUE OPERATOR	SMB-00-2															
3CCP*MOV95A	MAIN (A-) SPLY HDR ISOL	D-0057-11	AB	00004	DM NA	Y	N	3G	S	NA	NA		33+			A	Y
	HENRY PRATT																
	10-1400 CL2	164			ASME III,CL2												
	LIMITORQUE OPERATOR	SMB-00-10															
3CCP*MOV95B	MAIN (B-) SPLY HDR ISOL	D-0057-11	AB	00004	DM NA	Y	N	3G	S	NA	NA		33+			A	Y
	HENRY PRATT																
	10-1400 CL2	164			ASME III,CL2												
	LIMITORQUE OPERATOR	SMB-00-10															
3CCP*MOV48A	MAIN (A-) RTN HDR ISOL	D-0057-14	CS	-0024	DM NA	Y	N	3G	S	NA	NA		33+			A	Y
	HENRY PRATT																
	10-1400 CL2	164			ASME III,CL2												
	LIMITORQUE OPERATOR	SMB-00-10															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CCP - COMPONENT COOLING-PRI OR REACTOR

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CCP*MOV48B	MAIN (B-) RTN HDR ISOL		CS	-0024	DM	Y	N	3G	S	NA	NA		33+		A	Y
	HENRY PRATT	D-0057-14			NA											
	10-1400 CL2	164			ASME III,CL2											
	LIMITORQUE OPERATOR	SMB-00-10														
3CCP*MOV49A	MAIN (A-) RTN HDR ISOL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
	HENRY PRATT	D-0057-11			NA											
	10-1400 CL2	164			ASME III,CL2											
	LIMITORQUE OPERATOR	SMB-00-10														
3CCP*MOV49B	MAIN (B-) RTN HDR ISOL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
	HENRY PRATT	D-0057-11			NA											
	10-1400 CL2	164			ASME III,CL2											
	LIMITORQUE OPERATOR	SMB-00-10														
AOV - VALVE,AIR OPERATED																
3CCP*AOV10A	TRN A NON-SFTY HDR SPLY ISOL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	8K026-01			NA											
	3220	185			ASME III,CL3											
	NAMCO LIMIT SWITCH	EA 180														
3CCP*AOV10B	TRN B NON-SFTY HDR SPLY ISOL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	8K026-02			NA											
	3220	185			ASME III,CL3											
	NAMCO LIMIT SWITCH	EA 180														
3CCP*AOV178A	RX CLNT PP THRM BARR		CS	00026	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	FQP-22-6			NA											
	667NS-DBQNS	185			ASME III,CL3											
	NAMCO LIMIT SWITCH	EA 180														
3CCP*AOV178B	RX CLNT PP THRM BARR		CS	00026	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	FQP-22-6			NA											
	667NS-DBQNS	185			ASME III,CL3											
	NAMCO LIMIT SWITCH	EA 180														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM CCP - COMPONENT COOLING-PRI OR REACTOR

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3CCP*AOV178C	RX CLNT PP THRM BARR		CS	00026	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	FQP-22-6			NA											
	667NS-DBQNS	185			ASME III,CL3											
	NAMCO LIMIT SWITCH	EA 180														
3CCP*AOV178D	RX CLNT PP THRM BARR		CS	00026	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	FQP-22-6			NA											
	667NS-DBQNS	185			ASME III,CL3											
	NAMCO LIMIT SWITCH	EA 180														
3CCP*AOV179A	CMPNT CLG XCONN		CS	00021	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	8K026-07			NA											
	9210	185			ASME III,CL3											
	NAMCO LIMIT SWITCH	EA 180														
3CCP*AOV179B	CMPNT CLG XCONN		CS	00021	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	8K026-08			NA											
	9210	185			ASME III,CL3											
	NAMCO LIMIT SWITCH	EA 180														
3CCP*AOV180A	CMPNT CLG XCONN		CS	00006	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	8K026-09			NA											
	9210	185			ASME III,CL3											
	NAMCO LIMIT SWITCH	EA 180														
3CCP*AOV180B	CMPNT CLG XCONN		CS	00006	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	8K026-10			NA											
	9210	185			ASME III,CL3											
	NAMCO LIMIT SWITCH	EA 180														
3CCP*AOV19A	TRN A NON-SFTY RTN HDR ISOL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	8K026-03			NA											
	3220	185			ASME III,CL3											
	NAMCO LIMIT SWITCH	EA 180														

REPORT NO. MSSQ01

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CCP - COMPONENT COOLING-PRI OR REACTOR

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CCP*AOV19B	TRN A NON-SFTY RTN HDR ISOL FISHER 3220 NAMCO LIMIT SWITCH	 8K026-03 185 EA 180	AB	00004	DH NA ASME III,CL3	Y	N	3G	S	NA	NA		33+			A	Y
3CCP*AOV194A	TRN A NON-SFTY RTN HDR ISOL FISHER 9220 NAMCO LIMIT SWITCH	 8K026-11 185 EA 180	AB	00004	DH NA ASME III,CL3	Y	N	3G	S	NA	NA		33			A	Y
3CCP*AOV194B	TRN B NON-SFTY RTN HDR ISOL FISHER 9220 NAMCO LIMIT SWITCH	 8K026-12 185 EA 180	AB	00004	DH NA ASME III,CL3	Y	N	3G	S	NA	NA		33+			A	Y
3CCP*AOV197A	TRN A NON-SFTY HDR SPLY ISOL FISHER 9220 NAMCO LIMIT SWITCH	 8K-026-14 185 EA 180	AB	00004	DH NA ASME III,CL3	Y	N	3G	S	NA	NA		33+			A	Y
3CCP*AOV197B	TRN B NON-SFTY HDR SPLY ISOL FISHER 9220 NAMCO LIMIT SWITCH	 8K-026-14 185 EA 180	AB	00004	DH NA ASME III,CL3	Y	N	3G	S	NA	NA		33+			A	Y
3CCP*AOV31C	CMPNT CLG RAD MON 667NS-ES	 FQP-22-1B 185	AB	00047	DH NA ASME III,CL3	Y	N	3G	S	NA	NA		33+			A	
3CCP*AOV31D	CMPNT CLG RAD MON 667NS-ES	 FQP-22-1B 185	AB	00047	DH NA ASME III,CL3	Y	N	3G	S	NA	NA		33+			A	

FV - VALVE,FLOW

REPORT NO. NSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM CCP - COMPONENT COOLING-PRI OR REACTOR

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CCP*FV66A	RESIDUAL HX OUT		ESB	00005	DM	Y	N	3G	S	NA	NA		33+			A	
	FISHER	8K026-05			NA												
	9220	185			ASME III,CL3												
	NAMCO LIMIT SWITCH	EA 170															
3CCP*FV66B	RESIDUAL HX OUT		ESB	00005	DM	Y	N	3G	S	NA	NA		33+			A	
	FISHER	8K026-06			NA												
	9220	185			ASME III,CL3												
	NAMCO LIMIT SWITCH	EA 170															
LV - VALVE,LEVEL																	
3CCP*LV61	SFTY INJ PUMP TK		ESB	00036	DM	Y	N	3G	S	NA	NA		33+			A	
		FQP-22-1B			NA												
	667NS-ES	185			ASME III,CL3												
3CCP*LV91	CHG PMP CLG SRG TK MAKE-UP		AB	00049	DM	Y	N	3G	S	NA	NA		33+			A	
		FQP-22-1B			NA												
	667NS-ES	185			ASME III,CL3												
SOV - VALVE,SOLENOID																	
3CCP*SOV16A	TRN A NON-SFTY HDR SPLY ISOL		AB	00004	EM	Y	N	3G	N	SF	SD		35+			A	
	FISHER	AQR-67368			NA												
		185			ASME III,CL3												
	ASCO SOLENOID	NPK 8320															
3CCP*SOV16B	TRN B NON-SFTY HDR SPLY ISOL		AB	00004	EM	Y	N	3G	N	SF	SD		35+			A	
	FISHER	AQR-67368			NA												
		185			IEEE-323,344,382												
	ASCO SOLENOID	NPK 8320															

REPORT NO. MSSRT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CCP - COMPONENT COOLING-PRI OR REACTOR

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3CCP*SOV178A	RX CLNT PP THRM BARR FISHER ASCO SOLENOID	AQR-67638 185 NPK 8320	CS	00026	EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD	*	35+			A	Y
3CCP*SOV178B	RX CLNT PP THRM BARR FISHER ASCO SOLENOID	AQR-67638 185 NPK 8320	CS	00026	EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD	*	35+			A	Y
3CCP*SOV178C	RX CLNT PP THRM BARR FISHER ASCO SOLENOID	AQR-67638 185 NPK 8320	CS	00026	EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD	*	35+			A	Y
3CCP*SOV178D	RX CLNT PP THRM BARR FISHER ASCO SOLENOID	AQR-67638 185 NPK 8320	CS	00026	EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD	*	35+			A	Y
3CCP*SOV179A	CMPNT CLG XCONN FISHER ASCO SOLENOID	AQR-67638 185 NPK 8320	CS	00021	EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD	*	35+			A	Y
3CCP*SOV179B	CMPNT CLG XCONN FISHER ASCO SOLENOID	AQR-67638 185 NPK 8320	CS	00021	EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD	*	35+			A	Y
3CCP*SOV180A	CMPNT CLG XCONN FISHER ASCO SOLENOID	AQR-67638 185 NPK 8320	CS	00006	EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD	*	35+			A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CCP - COMPONENT COOLING-PRI OR REACTOR

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3CCP*SOV180B	CNPNT CLG XCONN		CS	00006	EM	Y	N	3G	N	SF	SD	*	35+		A	Y
	FISHER	AQR-67638			NA											
		185			IEEE-323,344,382											
	ASCO SOLENOID	NPK 8320														
3CCP*SOV19A	TRN B NON-SFTY RTN HDR ISOL		AB	00004	EM	Y	N	3G	N	SF	SD		35+		A	
	FISHER	AQR-67368			NA											
		185			IEEE-323,344,382											
	ASCO SOLENOID	NPK 8320														
3CCP*SOV19B	TRN B NON-SFTY RTN HDR ISOL		AB	00004	EM	Y	N	3G	N	SF	SD		35+		A	
	FISHER	AQR-67368			NA											
		185			IEEE-323,344,382											
	ASCO SOLENOID	NPK 8320														
3CCP*SOV194A	TRN A NON-SFTY RTN HDR ISOL		AB	00004	EM	Y	N	3G	N	SF	SD	*	35+		A	
	FISHER	AQR-67638			NA											
		185			IEEE-323,344,382											
	ASCO SOLENOID	NPK 8320														
3CCP*SOV194B	TRN B NON-SFTY RTN HDR ISOL		AB	00004	EM	Y	N	3G	N	SF	SD	*	35+		A	
	FISHER	AQR-67638			NA											
		185			IEEE-323,344,382											
	ASCO SOLENOID	NPK 8320														
3CCP*SOV197A	TRN A NON-SFTY HDR SPLY ISOL		AB	00004	EM	Y	N	3G	N	SF	SD	*	35+		A	
	FISHER	AQR-67638			NA											
		185			IEEE-323,344,382											
	ASCO SOLENOID	NPK 8320														
3CCP*SOV197B	TRN B NON-SFTY HDR SPLY ISOL		AB	00004	EM	Y	N	3G	N	SF	SD	*	35+		A	
	FISHER	AQR-67638			NA											
		185			IEEE-323,344,382											
	ASCO SOLENOID	NPK 8320														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CCP - COMPONENT COOLING-PRI OR REACTOR

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CCP*SOV66A	RESIDUAL HX OUT		ESB	00006	EM	Y	N	3G	N	SF	SD			35+		A	Y
	FISHER	AQR-67368			NA												
		185			IEEE-323,344,382												
	ASCO SOLENOID	NPK 8320															
3CCP*SOV66B	RESIDUAL HX OUT		ESB	00006	EM	Y	N	3G	N	SF	SD			35+		A	Y
	FISHER	AQR-67368			NA												
		185			IEEE-323,344,382												
	ASCO SOLENOID	NPK 8320															

TV - VALVE,TEMPERATURE

3CCP*TV172	LTDN HX OUT		AB	00004	DM	Y	N	3G	S	NA	NA			33+		A	
		FQP-22-1B			NA												
	657NS-ED	185			ASME III,CL3												
3CCP*TV32A	COMPNT CLG HX OUT		AB	00024	DM	Y	N	3G	S	NA	NA			33+		A	
		9H605-01			NA												
	7610X7650	185			ASME III,CL3												
3CCP*TV32B	COMPNT CLG HX OUT		AB	00024	DM	Y	N	3G	S	NA	NA			33+		A	
		9H605-02			NA												
	7610X7650	185			ASME III,CL3												
3CCP*TV32C	COMPNT CLG HX OUT		AB	00024	DM	Y	N	3G	S	NA	NA			33+		A	
		9H605-03			NA												
	7610X7650	185			ASME III,CL3												

RV - VALVE,RELIEF

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
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REPORT DATE 10/11/84

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UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CCP - COMPONENT COOLING-PRI OR REACTOR

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3CCP*RV239A	RHR PUMP SEAL CLR		ESB	00031	DM	Y	N	3G	S	SF	SD		33+		A	Y
		407487-REV.5			NA											
	LCT-11	186			ASME III,CL3											
3CCP*RV239B	RHR PUMP SEAL CLR		ESB	00018	DM	Y	N	3G	S	SF	SD		33+		A	Y
		407487-REV.5			NA											
	LCT-11	186			ASME III,CL3											
3CCP*RV258A	RCP UP BRG		CS	00037	DM	Y	N	3G	S	SF	SD		33+		A	Y
		407487-REV.5			NA											
	LCT-11	186			ASME III,CL3											
3CCP*RV258B	RCP UP BRG		CS	00037	DM	Y	N	3G	S	SF	SD		33+		A	Y
		407487-REV.5			NA											
	LCT-11	186			ASME III,CL3											
3CCP*RV258C	RCP UP BRG		CS	00037	DM	Y	N	3G	S	SF	SD		33+		A	Y
		407487-REV.5			NA											
	LCT-11	186			ASME III,CL3											
3CCP*RV258D	RCP UP BRG		CS	00037	DM	Y	N	3G	S	SF	SD		33+		A	Y
		407487-REV.5			NA											
	LCT-11	186			ASME III,CL3											
3CCP*RV39	EXCESS LTDN HTX		CS	00016	DM	Y	N	3G	S	SF	SD		33+		A	Y
		407487-REV.5			NA											
	LCT-11	186			ASME III,CL3											

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

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UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CCP - COMPONENT COOLING-PRI OR REACTOR

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CCP*RV54A	RX CLNT PMP THRM BARR	407487-REV.5	CS	00021	DM NA	Y	N	3G	S	SF	SD		33+			A	Y
	LCT-20T	186			ASME III,CL3												
3CCP*RV54B	RX CLNT PMP THRM BARR	407487-REV.5	CS	00021	DM NA	Y	N	3G	S	SF	SD		33+			A	Y
	LCT-20T	186			ASME III,CL3												
3CCP*RV54C	RX CLNT PMP THRM BARR	407487-REV.5	CS	00021	DM NA	Y	N	3G	S	SF	SD		33+			A	Y
	LCT-20T	186			ASME III,CL3												
3CCP*RV54D	RX CLNT PMP THRM BARR	407487-REV.5	CS	00021	DM NA	Y	N	3G	S	SF	SD		33+			A	Y
	LCT-20T	186			ASME III,CL3												
3CCP*RV59A	FUEL POOL CLR	407487-REV.5	FB	00049	DM NA	Y	N	3G	S	SF	SD		33+			A	Y
	LCT-11	186			ASME III,CL3												
3CCP*RV59B	FUEL POOL CLR	407487-REV.5	FB	00049	DM NA	Y	N	3G	S	SF	SD		33+			A	Y
	LCT-11	186			ASME III,CL3												
3CCP*RV64A	RESIDUAL HX	407487-REV.5	ESB	00005	DM NA	Y	N	3G	S	SF	SD		33+			A	Y
	LCT-11	186			ASME III,CL3												

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CCP - COMPONENT COOLING-PRI OR REACTOR

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG / RRS REF / CODES	ELEV	MTG	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	TEST	TEST FREQ	DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3CCP*RV64B	RESIDUAL HX		ESB	00005	DM	Y	N	3G	S	SF	SD		33+			A	Y
		407487-REV.5			NA												
	LCT-11	186			ASME III,CL3												
3CCP*RV62	LETDOWN HTX		AB	00035	DM	Y	N	3G	S	SF	SD		33+			A	
		407487-REV.5			NA												
	LCT-11	186			ASME III,CL3												
3CCP*RV85	SEAL WTR HTX		AB	00024	DM	Y	N	3G	S	SF	SD		33+			A	Y
		407487-REV.5			NA												
	LCT-11	186			ASME III,CL3												
TRS - SWITCH,TRANSFER																	
3CCP*TRS-P1C	MANUAL XFR SW FOR 3CCP*P1C		MRC	00046	CF	Y	N	.27.16	N	MF	MD		NA	NA	NA	A	Y
	GOULD BROWN BOVERI	33-49988-SS,ADD.2			NS(B)-007,REV.0B												
		243			IEEE 344												
	BROWN BOVERI	HPL-C															
FI - INDICATOR,FLOW																	
3CCP*FI67A2	RESIDUAL HX OUT		CB	00048	CM	Y		.40.15	N	MF	MD		NA	NA	NA	A	
		15880,REV 2			NS(B)-017REV1B												
	INT'L INST 1151VB	246			IEEE 323,IEEE 344												
3CCP*FI67B2	RESIDUAL HX OUT		CB	00048	CM	Y		.40.15	N	MF	MD		NA	NA	NA	A	
		15880,REV 2			NS(B)-017REV1B												
	INT'L INST 1151VB	246			IEEE 323												
P - PUMP																	

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DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CCP - COMPONENT COOLING-PRI OR REACTOR

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	HTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	LOADS: ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CCP*P1A	REAC.PLNT.CMPNT CLG PP		AB	00024	CF	Y	N	.27.16	S	NA	NA			22+		A	Y
	BINGHAM-WILLMTTE	ME 798			NS(B)-007 REV 0B												
	14X14X18 HSA	336			ASME III,CL3												
	G.E.	HORIZONTAL 8210S															
3CCP*P1B	REAC.PLNT.CMPNT CLG PP		AB	00024	CF	Y	N	.27.16	S	NA	NA			22+		A	Y
	BINGHAM-WILLMTTE	ME 798			NS(B)-007 REV 0B												
	14X14X18 HSA	336			ASME III,CL3												
	G.E.	HORIZONTAL 8210S															
3CCP*P1C	REAC.PLANT.CMPNT CLG PP		AB	00024	CF	Y	N	.27.16	S	NA	NA			22+		A	Y
	BINGHAM-WILLMTTE	ME 798			NS(B)-007 REV 0B												
	14X14X18 HSA	336			ASME III,CL3												
	G.E.	HORIZONTAL 8210S															
FS - SWITCH,FLOW																	
3CCP*FS178A1	RX CLNT PP THRM BARR		CB	00048	RM	Y	N	.40.15	N	MF	MD	NA	NA	NA		D	
	FOXBORO	QOAAB33			NS(B)-017 REV 1B												
	N-2APTALM-AR	392			IEEE 344,323												
	SIGNAL BISTABLES	N-2AP+ALM-AR															
3CCP*FS176B1	RX CLNT PP THRM BARR		CB	00048	RM	Y	N	.40.15	N	MF	MD	NA	NA	NA		D	
	FOXBORO	QOAAB33			NS(B)-017 REV 1B												
	N-2APTALM-AR	392			IEEE 344,323												
	SIGNAL BISTABLES	N-2AP+ALM-AR															
3CCP*FS178C1	RX CLNT PP THRM BARR		CB	00048	RM	Y	N	.40.15	N	MF	MD	NA	NA	NA		D	
	FOXBORO	QOAAB33			NS(B)-017 REV 1B												
	N-2APTALM-AR	392			IEEE 344,323												
	SIGNAL BISTABLES	N-2AP+ALM-AR															
3CCP*FS176D1	RX CLNT PP THRM BARR		CB	00048	RM	Y	N	.40.15	N	MF	MD	NA	NA	NA		C	
	FOXBORO	QOAAB33			NS(B)-017 REV 1B												
	N-2APTALM-AR	392			IEEE 344,323												
	SIGNAL BISTABLES	N-2AP+ALM-AR															

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DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CCP - COMPONENT COOLING-PRI OR REACTOR

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	QUAL METH: TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
FY - RELAY,COMPUTING,SELECTING OR BOOSTER																
3CCP*FY178A	RX CLNT PP THRM BARR		CB	00048	RM	Y	N	.40.15	N	MF	MD	NA	NA	NA	C	
	FOXBORO	QOAAB35			NS(B)-017 REV 1B											
	N-2A1-I2V	392			IEEE 344,323											
	I/E CONVERTER	N-2AI-I2V														
3CCP*FY178B	RX CLNT PP THRM BARR		CB	00048	RM	Y	N	.40.15	N	MF	MD	NA	NA	NA	C	
	FOXBORO	QOAAB35			NS(B)-017 REV 1B											
	N-2A1-I2V	392			IEEE 344,323											
	I/E CONVERTER	N-2AI-I2V														
3CCP*FY178C	RX CLNT PP THRM BARR		CB	00048	RM	Y	N	.40.15	N	MF	MD	NA	NA	NA	C	
	FOXBORO	QOAAB35			NS(B)-017 REV 1B											
	N-2A1-I2V	392			IEEE 344,323											
	I/E CONVERTER	N-2AI-I2V														
3CCP*FY178D	RX CLNT PP THRM BARR		CB	00048	RM	Y	N	.40.15	N	MF	MD	NA	NA	NA	C	
	FOXBORO	QOAAB35			NS(B)-017 REV 1B											
	N-2A1-I2V	392			IEEE 344,323											
	I/E CONVERTER	N-2AI-I2V														
3CCP*FY67A1	RESIDUAL HX OUT		CB	00048	RM	Y	N	.40.15	N	MF	MD	NA	NA	NA	C	
	FOXBORO	QOAAB35			NS(B)-017 REV 1B											
	N-2A1-I2V	392			IEEE 344,323											
	I/E CONVERTER	N-2AI-I2V														
3CCP*FY67A2	RESIDUAL HX OUT		CB	00048	RM	Y	N	.40.15	N	MF	MD	NA	NA	NA	C	
	FOXBORO	QOAAB50			NS(B)-017 REV 1B											
	N-2AO-V2I	392			IEEE 344,323											
	E/I CONVERTER	N-2AO+V2I														
3CCP*FY67B1	RESIDUAL HX OUT		CB	00048	RM	Y	N	.40.15	N	MF	MD	NA	NA	NA	C	
	FOXBORO	QOAAB35			NS(B)-017 REV 1B											
	N-2AI-I2V	392			IEEE 344,323											
	I/E CONVERTER	N-2AI-I2V														

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PROJECT EQUIPMENT SYSTEM
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DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CCP - COMPONENT COOLING-PRI OR REACTOR

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CCP*FY67B2	RESIDUAL HX OUT		CB	00048	RM	Y	N	.40.15	N	MF	MD		NA	NA	NA	C	
	FOXBORO	QOAAB50			NS(B)-017 REV 1B												
	N-2AO-V2I	392			IEEE 344,323												
	E/I CONVERTER	N-2AO+V2I															
E - EXCHANGER,HEAT																	
3CCP*E1A	REAC PLT COMP CLG HT EXCH		AB	00024	CF	Y	N	.27.16	S	NA	NA			16+		A	Y
	YUBA HT TRANS	N-005-1			NS(B)-007 REV 0B												
	TEMA CGN 49-504	446			ASME III,CL3												
3CCP*E1B	REAC PLT COMP CLG HT EXCH		AB	00024	CF	Y	N	.27.16	S	NA	NA			16+		A	Y
		N-005-1			NS(B)-007 REV 0B												
	TEMA CGN 49-504	446			ASME III,CL3												
3CCP*E1C	REAC PLT COMP CLG HT EXCH		AB	00024	CF	Y	N	.27.16	S	NA	NA			16+		A	Y
		N-005-1			NS(B)-007 REV 0B												
	TEMA CGN 49-504	446			ASME III,CL3												
LS - SWITCH,LEVEL																	
3CCP*LS196A	PRESS TRN A CCP PMP B SUCT		AB	00066	RM	Y	N	.18.12	N	SF	SD		40+	40+	40+	A	Y
	AUTOMATIC SWITCH CO	AQR-101083,R.O			NS(B)-007,REV 0B												
	5B21AKR/TE2032BRX	626			IEEE 344-1975												
	ASCO PRESSURE SWITCH	SB21AKR/TE20A32BRX															
3CCP*LS196B	PRESS TRN A CCP PMP B SUCT		AB	00066	RM	Y	N	.41.18	N	SF	SD		40+	40+	40+	A	Y
	AUTOMATIC SWITCH CO	AQR-101083,R.O			NS(B)-007,REV 0B												
	5B21AKR/TE2032BRX	626			IEEE 344-1975												
	ASCO PRESSURE SWITCH	SB21AKR/TE20A32BRX															

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PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CCP - COMPONENT COOLING-PRI OR REACTOR

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CCP*LS25A	RX PLANT CMPNT CLG SURGE TK		AB	00066	RM	Y	N	.41.18	N	SF	SD	40+	40+	40+	A	Y
	AUTOMATIC SWITCH CO	AQR-101083,R.O			NS(B)-007,REV 0B											
	5B21AKR/TE2032BRX	626			IEEE 344-1975											
	ASCO PRESSURE SWITCH	SB21AKR/TE20A32BRX														
3CCP*LS25B	RX PLANT CMPNT CLG SURGE TK		AB	00066	RM	Y	N	.41.18	N	SF	SD	40+	40+	40+	A	Y
	AUTOMATIC SWITCH CO	AQR-101083,R.O			NS(B)-007,REV 0B											
	5B21AKR/TE2032BRX	626			IEEE 344-1975											
	ASCO PRESSURE SWITCH	SB21AKR/TE20A32BRX														
FT - TRANSMITTER,FLOW																
3CCP*FT178A	RX CLNT PMP THRM BARR		CS	00003	RM	Y	N	.33.20	N	MF	MD	38	38	60	A	Y
	ROSEMOUNT	D8300040			NS(B)-017 REV 1B											
	1153DD	662			IEEE-323,344											
	DIFF PRSSR TRANSMITR	1153DD5PC														
3CCP*FT178B	RX CLNT PMP THRM BARR		CS	00004	RM	Y	N	.33.20	N	MF	MD	38	38	60	A	Y
	ROSEMOUNT	D8300040			NS(B)-017 REV 1B											
	1153DD	662			IEEE-323,344											
	DIFF PRSSR TRANSMITR	1153DD5PC														
3CCP*FT178C	RX CLNT PMP THRM BARR		CS	00003	RM	Y	N	.33.20	N	MF	MD	38	38	60	A	Y
	ROSEMOUNT	D8300040			NS(B)-017 REV 1B											
	1153DD	662			IEEE-323,344											
	DIFF PRSSR TRANSMITR	1153DD5PC														
3CCP*FT67A	RESIDUAL HX OUT		ESF	00005	RM	Y	N	.20.12	N	MF	MD	50	47	50	A	Y
	ROSEMOUNT	108025			NS(B)-010 REV B											
	1153DB	662			IEEE-323,344											
	DIFF PRSSR TRANSMITR	1153DB5PC														
3CCP*FT67B	RESIDUAL HX OUT		ESF	00005	RM	Y	N	.20.12	N	MF	MD	50	47	50	A	Y
	ROSEMOUNT	108025			NS(B)-010 REV B											
	1153DB	662			IEEE-323,344											
	DIFF PRSSR TRANSMITR	1153DB5PC														

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CDS - CHILLED WATER - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: HTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
SNEC EQUIPMENT																
CTV - VALVE,CONTAINMENT,TRIP																
3CDS*CTV38A	CHLD WTR CNTMNT TRIP FISHER 9220 NAMCO LIMIT SWITCH	 8K141-01 185 EA 180	AB	00004	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3CDS*CTV38B	CHLD WTR CNTMNT TRIP FISHER 9220 NAMCO LIMIT SWITCH	 8K141-02 185 EA 180	AB	00004	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3CDS*CTV39A	CHLD WTR CNTMNT TRIP FISHER 9220 NAMCO LIMIT SWITCH	 8K141-03 185 EA 180	AB	00004	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3CDS*CTV39B	CHLD WTR CNTMNT TRIP FISHER 9220 NAMCO LIMIT SWITCH	 8K141-04 185 EA 180	AB	00004	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3CDS*CTV40A	CHLD WTR CNTMNT TRIP FISHER 9220 NAMCO LIMIT SWITCH	 8K141-05 185 EA 180	CS	6	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3CDS*CTV40B	CHLD WTR CNTMNT TRIP FISHER 9220 NAMCO LIMIT SWITCH	 8K141-06 185 EA 180	CS	00006	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y

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NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CDS - CHILLED WATER - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3CDS*CTV91A	CHLD WTR CNTMNT ISOL		CS	00010	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	8K558-01			NA											
	9220	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
3CDS*CTV91B	CHLD WTR CNTMNT ISOL		CS	00010	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	8K558-02			NA											
	9220	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
SOV - VALVE,SOLENOID																
3CDS*SOV38A	CHLD WTR CNTMNT TRIP		CS	00004	EM	Y	N	3G	N	SF	SD		35+		A	
	FISHER	AQR-67368			NA											
		185			IEEE-323,344,382											
	ASCO SOLENOID	NPK 8320														
3CDS*SOV38B	CHLD WTR CNTMNT TRIP		AB	00004	EM	Y	N	3G	N	SF	SD	*	35+		A	
	FISHER	AQR-67638			NA											
		185			IEEE-323,344,382											
	ASCO SOLENOID	NPK 8320														
3CDS*SOV39A	CHLD WTR CNTMNT TRIP		AB	00004	EM	Y	N	3G	N	SF	SD	*	35+		A	
	FISHER	AQR-67638			NA											
		185			IEEE-323,344,382											
	ASCO SOLENOID	NPK 8320														
3CDS*SOV39B	CHLD WTR CNTMNT TRIP		AB	00004	EM	Y	N	3G	N	SF	SD	*	35+		A	
	FISHER	AQR-67638			NA											
		185			IEEE-323,344,382											
	ASCO SOLENOID	NPK 8320														
3CDS*SOV40A	CHLD WTR CNTMNT TRIP		CS	00005	EM	Y	N	3G	N	SF	SD	*	35+		A	Y
	FISHER	AQR-67638			NA											
		185			IEEE-323,344,382											
	ASCO SOLENOID	NPK 8320														

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UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CDS - CHILLED WATER - SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3CDS*SOV40B	CHLD WTR CNTMNT TRIP		CS	00005	EM	Y	N	3G	N	SF	SD	*	35+		A	Y
	FISHER	AQR-67638			NA											
		185			IEEE-323,344,382											
	ASCO SOLENOID	NPK 8320														
3CDS*SOV91A	CHLD WTR CNTMNT ISOL		CS	00010	EM	Y	N	3G	N	SF	SD	*	35+		A	Y
	FISHER	AQR-67638			NA											
		185			IEEE-323,344,382											
	ASCO SOLENOID	NPK 8320														
3CDS*SOV91B	CHLD WTR CNTMNT ISOL		CS	00010	EM	Y	N	3G	N	SF	SD	*	35+		A	Y
	FISHER	AQR-67638			NA											
		185			IEEE-323,344,382											
	ASCO SOLENOID	NPK 8320														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CES - COMMON ELECTRICAL-SYSTEM(CONTROL BDS,ETC)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS / DYN.	OTHER REQ'D / INPUT (ZPA)	LOADS	ANLYS	QUAL METH: TEST	TEST FREQ	DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT																	
AAA - RESERVED																	
3CES*RAKAUXA	AUX RELAY RACK (AR6)	AAI-107	CB	00047	CF NS(B)-017,REV 1B IEEE 344	Y	N	.40.15	SD	NA	NA		25+	25+	25+	D	Y
3CES*RAKAUXB	AUX RELAY RACK (AR7)		CB	00047	CF NS(B)-017,REV 1B IEEE 344	Y	N	.40.15								D	Y
PNL - PANEL																	
3CES*PNLFTSP	FIRE TRANSFER SW PNL		CB		CF NS(B)-017,REV 1B IEEE 344	Y	N	.25.15								D	Y
3CES*PNLTSA	TRANSFER SW PNL TRAIN A SYSTEMS CONTROL	16825-82N,REV 0	CB	00004	CF NS(B)-017 REV 1B IEEE 344	Y	N	.40.15	S	NA	NA		25+	25+	25+	A	Y
3CES*PNLTSB	TRANSFER SW PNL TRAIN B SYSTEMS CONTROL	16825-82N,REV 0	CB	00004	CF NS(B)-017 REV 1B IEEE 344	Y	N	.40.15	S	NA	NA		25+	25+	25+	A	Y
MCB - MAIN CONTROL BOARD																	

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PROJECT EQUIPMENT SYSTEM
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DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CES - COMMON ELECTRICAL-SYSTEM(CONTROL BDS,ETC)

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3CES*MCB-MB1	RELIANCE ELECTRIC 99AX400493	AAI-144 245	CB	00047	CF NS(B)-017,REV 1B IEEE 344	Y	N	.40.15	SD	NA	NA		25+	25+	25+	A	Y
3CES*MCB-MB2	RELIANCE ELECTRIC 99AX400493	AAI-144 245	CB	00047	CF NS(B)-017,REV 1B IEEE 344	Y	N	.40.15	SD	NA	NA		25+	25+	25+	A	Y
3CES*MCB-MB3	RELIANCE ELECTRIC 99AX400493	AAI-142 245	CB	00047	CF NS(B)-017,REV 1B IEEE 344	Y	N	.40.15	SD	NA	NA			27.12		A	Y
3CES*MCB-MB4	RELIANCE ELECTRIC 99AX400493	AAI-143 245	CB	00047	CF NS(B)-017,REV 1B IEEE 344	Y	N	.40.15	SD	NA	NA		25+	25+	25+	A	Y
3CES*MCB-MB5	RELIANCE ELECTRIC 99AX400493	AAI-141 245	CB	00047	CF NS(B)-017,REV 1B IEEE-344	Y	N	.40.15	SD	NA	NA			26.7		A	Y
3CES*MCB-MB6	RELIANCE ELECTRIC 99AX400493	AAI-141 245	CB	00047	CF NS(B)-017 REV 1B IEEE-344	Y	N	.40.15	SD	NA	NA			26.7		A	
3CES*MCB-MB7	RELIANCE ELECTRIC 99AX400493	AAI-141 245	CB	00047	CF NS(B)-017 REV 1B IEEE-344	Y	N	.40.15	SD	NA	NA			26.7		A	Y

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DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CES - COMMON ELECTRICAL-SYSTEM(CONTROL BDS,ETC)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CES*MCB-MB8	RELIANCE ELECTRIC 99AX400493	AAI-118,REV B 245	CB	00047	CF NS(B)-017 REV 1B IEEE-344	Y	N	.40.15	SD	NA	NA	25+	25+	25+	A	I

TB - TEMPRATURE BISTABLES

3CES*TB-MB1O	MAIN CONTROL TERM CAB'S RELIANCE ELECTRIC 99AX400493	AAI-107 245	CB		CF NS(B)-017 REV 1B IEEE 344	Y	N	.40.15	SD	NA	NA	25+	25+	25+	A	I
3CES*TB-MB1P	MAIN CONTROL TERM CAB'S RELIANCE ELECTRIC 99AX400493	AAI-107 245	CB		CF NS(B)-017 REV 1B IEEE 344	Y	N	.40.15	SD	NA	NA	25+	25+	25+	A	I
3CES*TB-MB2O	MAIN CONTROL TERM CAB'S RELIANCE ELECTRIC 99AX400493	AAI-107 245	CB	00047	CF NS(B)-017 REV 1B IEEE 344	Y	N	.40.15	SD	NA	NA	25+	25+	25+	A	I
3CES*TB-MB2P	MAIN CONTROL TERM CAB'S RELIANCE ELECTRIC 99AX400493	AAI-107 245	CB	00047	CF NS(B)-017 REV 1B IEEE 344	Y	N	.40.15	SD	NA	NA	25+	25+	25+	A	I
3CES*TB-MB3O	MAIN CONTROL TERM CAB'S RELIANCE CABINETS 99AX400493	AAI-107 245	CB	00047	CF NS(B)-017 REV 1B IEEE 344	Y	N	.40.15	SD	NA	NA	25+	25+	25+	A	I
3CES*TB-MB3P	MAIN CONTROL TERM CAB'S RELIANCE ELECTRIC 99AX400493	AAI-107 245	CB	00047	CF NS(B)-017 REV 1B IEEE 344	Y	N	.40.15	SD	NA	NA	25+	25+	25+	A	I

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ENGINEER: STONE & WEBSTER
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SYSTEM CES - COMMON ELECTRICAL-SYSTEM(CONTROL BDS,ETC)

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3CES*TB-MB4O	MAIN CONTROL TERM CAB'S RELIANCE ELECTRIC 99AX400493	AAI-107 245	CB		CF NS(B)-017 REV 1B IEEE 344	Y	N	.40.15	SD	NA	NA	25+	25+	25+	A	I
3CES*TB-MB4P	MAIN CONTROL TERM CAB'S RELIANCE ELECTRIC 99AX400493	AAI-107 245	CB		CF NS(B)-017 REV 1B IEEE 344	Y	N	.40.15	SD	NA	NA	25+	25+	25+	A	I
3CES*TB-MB5O	MAIN CONTROL TERM CAB'S RELIANCE ELECTRIC 99AX400493	AAI-107 245	CB	00047	CF NS(B)-017 REV 1B IEEE 344	Y	N	.40.15	SD	NA	NA	25+	25+	25+	A	I
3CES*TB-MB5P	MAIN CONTROL TERM CAB'S RELIANCE ELECTRIC 99AX400493	AAI-107 245	CB	00047	CF NS(B)-017 REV 1B IEEE-344	Y	N	.40.15	SD	NA	NA	25+	25+	25+	A	I
3CES*TB-MB8O	MAIN CONTROL TERM CAB'S RELIANCE ELECTRIC 99AX400493	AAI-107 245	CB		CF NS(B)-017 REV 1B IEEE-344	Y	N	.40.15	SD	NA	NA	25+	25+	25+	A	I

TB - TEMPRATURE BISTABLES

3CES*TB-MB8P	MAIN CONTROL TERM CAB'S RELIANCE ELECTRIC 99AX400493	AAI-107 267	CB		CF NS(B)-017 REV 1B IEEE-344	Y	N	.40.15	SD	NA	NA	25+	25+	25+	A	I

IPNL - PANEL,INSTRUMENT

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CES - COMMON ELECTRICAL-SYSTEM(CONTROL BDS,ETC)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CES*IPNLI01		QOAAB35 392	CB	00047	RM NS(B)-017 REV 1B IEEE 344,322	Y	N	.40.15	N	MF	MD		NA	NA	NA	D	Y
3CES*IPNLI08		392	CB	00047	RM NS(B)-017 REV 1B IEEE 344,322	Y	N	.40.15								D	Y
3CES*IPNLI09		392	CB	00047	RM NS(B)-017 REV 1B IEEE 344,322	Y	N	.40.15								D	Y
3CES*IPNLI19		392	CB	00047	RM NS(B)-017 REV 1B IEEE 344,322	Y	N	.40.15								D	Y
3CES-IPNLI02		IEEE 344,322 392	CB	00047	RM NS(B)-017 REV 1B IEEE 344,322	Y	N	.40.15								D	
3CES-IPNLI03		392	CB	00047	RM NS(B)-017 REV 1B IEEE 344,322	Y	N	.40.15								D	
3CES-IPNLI04		392	CB	00047	RM NS(B)-017 REV 1B IEEE 344,322	Y	N	.40.15								D	

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ENGINEER: STONE & WEBSTER
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SYSTEM CES - COMMON ELECTRICAL-SYSTEM(CONTROL BDS,ETC)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	HTG	RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CES-IPNLI05			CB	00047	RM	NS(B)-017 REV 1B	Y	N	.40.15								D	
		392				IEEE 344,322												
3CES-IPNLI06			CB	00047	RM	NS(B)-017 REV 1B	Y	N	.40.15								D	
		392				IEEE 344,322												
3CES-IPNLI07			CB	00047	RM	NS(B)-017 REV 1B	Y	N	.40.15								D	
		392				IEEE 344,323												
3CES-IPNLI11			CB	00047	RM	NS(B)-017 REV 1B	Y	N	.40.15								D	
		392				IEEE 344,323												
3CES-IPNLI12			CB	00047	RM	NS(B)-017 REV 1B	Y	N	.40.15								D	
		392				IEEE 344,323												
3CES-IPNLI13			CB	00047	RM	NS(B)-017 REV 1B	Y	N	.40.15								D	
		392				IEEE 344,323												
3CES-IPNLI14			CB	00047	RM	NS(B)-017 REV 1B	Y	N	.40.15								D	
		392				IEEE 344,323												

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PROJECT EQUIPMENT SYSTEM
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DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CES - COMMON ELECTRICAL-SYSTEM(CONTROL BDS,ETC)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CES-IPNLI15			CB	00047	RM	Y		N	.40.15						D	
		392			NS(B)-017 REV 1B IEEE 344,323											
3CES-IPNLI16			CB	00047	RM	Y		N	.40.15						D	
		392			NS(B)-017,REV 1B IEEE 344,323											
3CES-IPNLI17			CB	00047	RM	Y		N	.40.15						D	
		392			NS(B)-017 REV 1B IEEE 344,323											
3CES-IPNLI18			CB	00047	RM	Y		N	.40.15						D	
		392			NS(B)-017 REV 1B IEEE 344,323											
PNL - PANEL																
3CES*IPNLI20	INSTRUMENT PANEL-ORANGE		CB	00047	RM	Y		N	.40.15						D	Y
		392			NS(B)-017 REV 1B IEEE 344,322											
3CES*IPNLI21	INSTRUMENT PANEL-PURPLE		CB	00047	RM	Y		N	.40.15						D	Y
		IEEE 344,322 392			NS(B)-017 REV 1B IEEE 344,322											
PNL - PANEL																

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SYSTEM CES - COMMON ELECTRICAL-SYSTEM(CONTROL BDS,ETC)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CES*PNLBD1O	ISOL PNL DIESEL BLDG SYSTEMS CONTROL STRUTHERS-DUNN ISOLT	ORANGE 16824,REV.2 644 CX3917NE	EGE	00024	CF NS(B)-069,REV.0B IEEE 344-1975	Y	N	.32.15	S	NA	NA		34+	34+	34+	A	Y
3CES*PNLBD1P	ISOL PNL DIESEL BLDG SYSTEMS CONTROL STRUTHERS-DUNN ISOLT	PURPLE 16824,REV.2 644 CX3917NE	EGE	00024	CF NS(B)-069,REV.0B IEEE 344-1975	Y	N	.31.15	S	NA	NA		34+	34+	34+	A	Y
3CES*PNLBE1O	ISOL PNL ESF BLDG SYSTEMS CONTROL STRUTHERS-DUNN ISOLT	ORANGE 16824,REV.2 644 CX3917NE	ESB	00036	CF NS(B)-010,REV.0B IEEE 344-1975	Y	N	.32.13	S	NA	NA		34+	34+	34+	A	Y
3CES*PNLBE1P	ISOL PNL ESF BLDG SYSTEMS CONTROL STRUTHERS-DUNN ISOLT	PURPLE 16824,REV.2 644 CX3917NE	ESB	00036	CF NS(B)-010,REV.0B IEEE 344-1975	Y	N	.32.13	S	NA	NA		34+	34+	34+	A	Y
3CES*PNLBE2O	ISOL PNL ESF BLDG SYSTEMS CONTROL STRUTHERS-DUNN ISOLT	ORANGE 16824,REV.2 644 CX3917NE	ESB	00037	CF NS(B)-010,REV.0B IEEE 344-1975	Y	N	.32.13	S	NA	NA		34+	34+	34+	A	Y
3CES*PNLBE2P	ISOL PNL ESF BLDG SYSTEMS CONTROL STRUTHERS-DUNN ISOLT	PURPLE 16824,REV.2 644 CX3917NE	ESB	00036	CF NS(B)-010,REV.0B IEEE 344-1975	Y	N	.32.13	S	NA	NA		34+	34+	34+	A	Y
3CES*PNLBE2O	SYSTEMS CONTROL STRUTHERS-DUNN ISOLT	644 CX3917NE	ESB	00037	3624											D	Y

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PROJECT EQUIPMENT SYSTEM
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DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CES - COMMON ELECTRICAL-SYSTEM(CONTROL BDS,ETC)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CES*PNLBG1O	ISOL PNL EMERG SWGR RM ORANGE SYSTEMS CONTROL STRUTHER-DUNN ISOLAT	16824,REV.2 644 CX3917E	CB	00004	CF NS(B)-017,REV.1B IEEE 344-1975	Y	N	.25.15	S	NA	NA	34+	34+	34+	A	Y
3CES*PNLBG1P	ISOL PNL EMERG SWGR RM PURPLE SYSTEMS CONTROL STRUTHERS-DUNN ISOLT	16824,REV.2 644 CX3917NE	CB	00004	CF NS(B)-017,REV.1B IEEE 344-1975	Y	N	.25.15	S	NA	NA	34+	34+	34+	A	Y
3CES*PNLBG2O	ISOL PNL EMERG SWGR RM ORANGE SYSTEMS CONTROL STRUTHER-DUNN ISOLAT	16824,REV.2 644 CX3917E	CB	00004	CF NS(B)-017,REV.1B IEEE 344-1975	Y	N	.25.15	S	NA	NA	34+	34+	34+	A	Y
3CES*PNLBG2P	ISOL PNL EMERG SWGR RM PURPLE SYSTEMS CONTROL STRUTHERS-DUNN ISOLT	16824,REV.2 644 CX3917NE	CB	00004	CF NS(B)-017,REV.1B IEEE 344-1975	Y	N	.25.15	S	NA	NA	34+	34+	34+	A	Y
3CES*PNLBG3O	ISOL PNL EMERG SWGR RM ORANGE SYSTEMS CONTROL STRUTHER-DUNN ISOLAT	16824,REV.2 644 CX3917E	CB	00004	CF NS(B)-017,REV.1B IEEE 344-1975	Y	N	.25.15	S	NA	NA	34+	34+	34+	A	Y
3CES*PNLBG3P	ISOL PNL EMERG SWGR RM PURPLE SYSTEMS CONTROL STRUTHERS-DUNN ISOLT	16824,REV.2 644 CX3917NE	CB	00004	CF NS(B)-017,REV.1B IEEE 344-1975	Y	N	.25.15	S	NA	NA	34+	34+	34+	A	Y
3CES*PNLBG4O	ISOL PNL EMERG SWGR RM ORANGE SYSTEMS CONTROL STRUTHER-DUNN ISOLAT	16824,REV.2 644 CX3917E	CB	00024	CF NS(B)-017,REV.1B IEEE 344-1975	Y	N	.25.15	S	NA	NA	34+	34+	34+	A	Y

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PROJECT EQUIPMENT SYSTEM
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DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CES - COMMON ELECTRICAL-SYSTEM(CONTROL BDS,ETC)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CES*PNLBG4P	ISOL PNL EMERG SWGR RM PURPLE		CB	00004	CF	Y	N	.25.15	S	NA	NA		34+	34+	34+	A	Y
	SYSTEMS CONTROL	16824,REV.2			NS(B)-017,REV.1B												
		644			IEEE 344-1975												
	STRUTHERS-DUNN ISOLT	CX3917NE															
3CES*PNLBP1O			CSP	00015	CF	Y	N	.40.16	S	NA	NA		34+	34+	34+	A	Y
	SYSTEMS CONTROL	16824,REV.2			NS(B)-044,REV.2B												
		644			IEEE 344-1975												
	STRUTHERS-DUNN ISOLT	CX3917NE															
3CES*PNLBP1P	ISOL PNL CIRC WTR PH PURPLE		CSP	00014	CF	Y	N	.40.16	S	NA	NA		34+	34+	34+	A	Y
	SYSTEMS CONTROL	16824,REV.2			NS(B)-044,REV.2B												
		644			IEEE 344-1975												
	STRUTHERS-DUNN ISOLT	CX3917NE															
3CES*PNLBR1O	ISOL PNL ROD CONT MCC A ORANGE		MRC	00024	CF	Y	N	.27.16	S	NA	NA		34+	34+	34+	A	Y
	SYSTEMS CONTROL	16824,REV 2			NS(B)-007,REV 0B												
		644			IEEE 344-1975												
	STRUTHERS-DUNN ISOLT	CX3917NE															
3CES*PNLBR1P	ISOL PNL ROD CONT MCC A PURPLE		MRC	00024	CF	Y	N	.27.16	S	NA	NA		34+	34+	34+	A	Y
	SYSTEMS CONTROL	16824,REV.2			NS(B)-007,REV.0B												
		644			IEEE 344-1975												
	STRUTHERS-DUNN ISOLT	CX3917NE															
3CES*PNLBR1O																D	Y
	SYSTEMS CONTROL																
		644			3624												
	STRUTHERS-DUNN ISOLT	CX3917NE															
3CES*PNLBR2O	ISOL PNL ROD CONT MCC A ORANGE		MRC	00024	CF	Y	N	.27.16	S	NA	NA		34+	34+	34+	A	Y
	SYSTEMS CONTROL	16824,REV.2			NS(B)-007,REV.0B												
		644			IEEE 344-1975												
	STRUTHERS-DUNN ISOLT	CX3917NE															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM CES - COMMON ELECTRICAL-SYSTEM(CONTROL BDS,ETC)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CES*PNLBR2P	ISOL PNL ROD CONT MCC A PURPLE		MRC	00024	CF	Y	N	.27.16	S	NA	NA		34+	34+	34+	A	Y
	SYSTEMS CONTROL	16824,REV.2			NS(B)-007,REV.0B												
		644			IEEE 344-1975												
	STRUTHERS-DUNN ISOLT	CX3917NE															
3CES*PNLBR2O			MRC													D	Y
	SYSTEMS CONTROL																
		644			3624												
	STRUTHERS-DUNN ISOLT	CX3917NE															
3CES*PNLBR3O	ISOL PNL ROD CONT MCC A ORANGE		MRC	00024	CF	Y	N	.27.16	S	NA	NA		34+	34+	34+	A	Y
	SYSTEMS CONTROL	16824,REV.2			NS(B)-007,REV.0B												
		644			IEEE 344-1975												
	STRUTHERS-DUNN ISOLT	CX3917NE															
3CES*PNLBR3P	ISOL PNL ROD CONT MCC A PURPLE		MRC	00024	CF	Y	N	.27.16	S	NA	NA		34+	34+	34+	A	Y
	SYSTEMS CONTROL	16824,REV.2			NS(B)-007,REV.0B												
		644			IEEE 344-1975												
	STRUTHERS-DUNN ISOLT	CX3917NE															
3CES*PNLBR3O																D	Y
	SYSTEMS CONTROL																
		644			3624												
	STRUTHERS-DUNN ISOLT	CX3917NE															
3CES*PNLBR4O	ISOL PNL ROD CONT MCC A ORANGE		MRC	00024	CF	Y	N	.27.16	S	NA	NA		34+	34+	34+	A	Y
	SYSTEMS CONTROL	16824,REV.2			NS(B)-007,REV.0B												
		644			IEEE 344-1975												
	STRUTHERS-DUNN ISOLT	CX3917NE															
3CES*PNLBR4P	ISOL PNL ROD CONT MCC A PURPLE		MRC	00024	CF	Y	N	.27.16	S	NA	NA		34+	34+	34+	A	Y
	SYSTEMS CONTROL	16824,REV.2			NS(B)-007,REV.0B												
		644			IEEE 344-1975												
	STRUTHERS-DUNN ISOLT	CX3917NE															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CES - COMMON ELECTRICAL-SYSTEM(CONTROL BDS,ETC)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3CES*PNLBR5O	ISOL PNL ROD CONT MCC A ORANGE SYSTEMS CONTROL	16824,REV.2 644	MRC	00024	CF NS(B)-007,REV.0B IEEE 344-1975	Y	N	.27.16	S	NA	NA	34+	34+	34+	A	Y
	STRUTHERS-DUNN ISOLT	CX3917NE														
3CES*PNLBR5P	ISOL PNL ROD CONT MCC A PURPLE SYSTEMS CONTROL	16824,REV.2 644	MRC	00024	CF NS(B)-007,REV.0B IEEE 344-1975	Y	N	.27.16	S	NA	NA	34+	34+	34+	A	Y
	STRUTHERS-DUNN ISOLT	CX3917NE														
3CES*PNLBS1O	ISOL PNL SPREADING ROOM ORANGE SYSTEMS CONTROL	16824,REV.2 644	CB	00024	CF NS(B)-017,REV.1B IEEE 344-1975	Y	N	.30.15	S	NA	NA	34+	34+	34+	A	Y
	STRUTHER-DUNN ISOLAT	CX3917E														
3CES*PNLBS1P	ISOL PNL SPREADING ROOM PURPLE SYSTEMS CONTROL	16824,REV.2 644	CB	00024	CF NS(B)-017,REV.1B IEEE 344-1975	Y	N	.30.15	S	NA	NA	34+	34+	34+	A	Y
	STRUTHERS-DUNN ISOLT	CX3917NE														
3CES*PNLBS2O	ISOL PNL SPREADING ROOM ORANGE SYSTEMS CONTROL	16824,REV.2 644	CB	00024	CF NS(B)-017,REV.1B IEEE 344-1975	Y	N	.30.15	S	NA	NA	34+	34+	34+	A	Y
	STRUTHER-DUNN ISOLAT	CX3917E														
3CES*PNLBS2P	ISOL PNL SPREADING ROOM PURPLE SYSTEMS CONTROL	16824,REV.2 644	CB	00024	CF NS(B)-017,REV.1B IEEE 344-1975	Y	N	.30.15	S	NA	NA	34+	34+	34+	A	Y
	STRUTHERS-DUNN ISOLT	CX3917NE														
3CES*PNLBS3O	ISOL PNL SPREADING ROOM ORANGE SYSTEMS CONTROL	16824,REV.2 644	CB	00024	CF NS(B)-017,REV.1B IEEE 344-1975	Y	N	.30.15	S	NA	NA	34+	34+	34+	A	Y
	STRUTHER-DUNN ISOLAT	CX3917E														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CES - COMMON ELECTRICAL-SYSTEM(CONTROL BDS,ETC)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CES*PNLBS3P	ISOL PNL SPREADING ROOM PURPLE		CB	00024	CF	Y	N	.30.15	S	NA	NA		34+	34+	34+	A	Y
	SYSTEMS CONTROL	16824,REV.2			NS(B)-017,REV.1B												
		644			IEEE 344-1975												
	STRUTHERS-DUNN ISOLT	CX3917NE															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SHEC EQUIPMENT																	
TK - TANK																	
3CHS*TK5A	BORIC ACID TANK		AB	00043	CF	Y	N	.32.18	S	SF	SD		22+	22+	22+	A	Y
	RICHMOND	12179-IE-307			NS(B)-007-REV.0B												
	D74411-14	023			ASME SECT III,CL3												
3CHS*TK5B	BORIC ACID TANK		AB	00043	CF	Y	N	.32.18	S	SF	SD		22+	22+	22+	A	I
	RICHMOND	12179-IE-307			NS(B)-007-REV.0B												
	D74411-10	023			ASME SECT III,CL3												
LCV - VALVE,CONTROL,LEVEL,SELF ACTUATED																	
3CHS*LCV112B	VOL CONT TK TO CHG PMP		AB	00043	DM	Y	N	3G	S	NA	NA			33+		A	Y
	WALWORTH	ADSR-3			NA												
	D-51735-3	153			ASME III,CL2												
	LIMITORQUE OPERATOR	SMB-00-5															
3CHS*LCV112C	VOL CONT TK TO CHG PMP		AB	00043	DM	Y	N	3G	S	NA	NA			33+		A	Y
	WALWORTH	ADSR-3			NA												
	D-51735-3	153			ASME III,CL2												
	LIMITORQUE OPERATOR	SMB-00-5															
3CHS*LCV112D	RWST TO CHG PMP		AB	00004	DM	Y	N	3G	S	NA	NA			33+		A	Y
	WALWORTH	ADSR-7			NA												
	D-51739-1	153			ASME III,CL2												
	LIMITORQUE OPERATOR	SB-0-25															

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UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CHS*LCV112E	RWST TO CHG PMP WALWORTH D-51379-1 LIMITORQUE OPERATOR	 ADSR-7 153 SB-0-25	AB	00004	DM NA ASME III,CL2	Y	N	3G	S	NA	NA			33+	A	Y
MV - VALVE,MOTOR OPERATED																
3CHS*MV8105	CHRG PP TO RX CLT SYS ISOL WALWORTH D-51742-3 LIMITORQUE OPERATOR	 ADSR-8 153 SMB-00-25	AB	00024	DM NA ASME III,CL2	Y	N	3G	S	NA	NA			33+	A	Y
3CHS*MV8106	CHRG PP TO RX CLT SYS ISOL WALWORTH D-51742-3 LIMITORQUE OPERATOR	 ADSR-8 153 SMB-00-25	AB	00004	DM NA ASME III,CL2	Y	N	3G	S	NA	NA			33+	A	Y
AOV - VALVE,AIR OPERATED																
3CHS*AOV64	GRO FAIL FUEL DET PG WTR INL 667NS-ES	 FQP-22-1B 185	AB	00004	DM NA ASME III,CL2	Y	N	3G	S	NA	NA			33+	A	Y
3CHS*AOV68	GRO FAIL FUEL DET FLUID INL 657NS-ES	 FQP-22-1B 185	AB	00004	DM NA ASME III,CL2	Y	N	3G	S	NA	NA			33+	A	Y
3CHS*AOV71	VOL CONT TK 667NS-YS	 FQP-22-1B 185	AB	00043	DM NA ASME III,CL2	Y	N	3G	S	NA	NA			33+	A	Y
AV - VALVE,ANALYZER;VALVE,AIR OPERATED,(WESTINGHOUSE)																

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3CHS*AV7002A	CHLR HT EXCH ISOL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	667NS-ES	185			ASME III,CL3											
3CHS*AV7002B	CHLR HT EXCH ISOL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	667NS-ES	185			ASME III,CL3											
3CHS*AV7010A	THRM REGN DEMIN ISOL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	657NS-ES	185			ASME III,CL3											
3CHS*AV7010B	THRM REGN DEMIN ISOL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	657NS-ES	185			ASME III,CL3											
3CHS*AV7010C	THRM REGN DEMIN ISOL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	657NS-ES	185			ASME III,CL3											
3CHS*AV7010D	THRM REGN DEMIN ISOL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	657NS-ES	185			ASME III,CL3											
3CHS*AV7010E	THRM REGN DEMIN ISOL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	657NS-ES	185			ASME III,CL3											

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PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3CHS*AV7022	CHLR HT EXCH DIVERT		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	657NS-ES	185			ASME III,CL3											
3CHS*AV7040	CHLR HT EXCH DIVERT		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	657NS-ES	185			ASME III,CL3											
3CHS*AV7041	CHLR HX BYP		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	657NS-ES	185			ASME III,CL3											
3CHS*AV7045	DEMN OUT HDR		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	667NS-ES	185			ASME III,CL3											
3CHS*AV7046	DEMN OUT HDR		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	667NS-ES	185			ASME III,CL3											
3CHS*AV7054	BORON THRN REGEN SYST ISOL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	667NS-ES	185			ASME III,CL3											
3CHS*AV7057	TOP/BTM DEMIN DIVERT		AB	00025	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	657NS-ES	185			ASME III,CL3											

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PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
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DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RKS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3CHS*AV8101	VOL CONT TK TO VENT HDR ISOL		AB	00043	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	667NS-ES	185			ASME III,CL2											
3CHS*AV8141A	RCP 1 SEAL LEAK OFF ISOL		CS	00005	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	657NS-ES	185			ASME III,CL2											
3CHS*AV8141B	RCP 2 SEAL LEAKOFF ISOL		CS	00018	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	657NS-DBQNS	185			ASME III,CL2											
3CHS*AV8141C	RCP 3 SEAL LEAKOFF ISOL		CS	00007	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	657NS-DBQNS	185			ASME III,CL2											
3CHS*AV8141D	RCP 4 SEAL LEAKOFF ISOL		CS	00018	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	657NS-DBQNS	185			ASME III,CL2											
3CHS*AV8143	EXCESS LTDN TO VCT/CDTT		CS	00010	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	FQP-22-1B			NA											
	657NS-YS	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
3CHS*AV8146	CHG TO RX CLT SYS ISOL		CS	00010	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	FQP-22-1B			NA											
	657NS-ES	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														

REPORT NO. MSSQT1

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3CHS*AV8147	CHG TO RX CLT SYS ISOL		CS	00010	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	FQP-22-1B			NA											
	657NS-ES	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
3CHS*AV8149A	LTDN ORIFICE ISOL		CS	00001	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	FQP-22-1B			NA											
	667NS-DBQNS	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
3CHS*AV8149B	LTDN ORIFICE ISOL		CS	00001	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	FQP-22-1B			NA											
	667NS-DBQNS	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
3CHS*AV8149C	LTDN ORIFICE ISOL		CS	00001	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	FQP-22-1B			NA											
	667NS-DBQNS	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
CV - VALVE,CONTAINMENT ISOLATION, (WESTINGHOUSE)																
3CHS*CV8152	LTDN L ISOL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	FQP-22-4			NA											
	667NS-ES	185			ASME III,CL1											
	NAMCO LIMIT SWITCH	EA 180														
3CHS*CV8160	LTDN ISOL		CS	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	FQP-22-8			NA											
	667NS-DBQNS	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
FCV - VALVE,CONTROL,FLOW,SELF ACTUATED																

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3CHS*FCV110A	BA BLEND CONTROL		AB	00024	DM	Y	N	3G	S	NA	NA		33+		A	
	FISHER	FQP-22-1B			NA											
	657NS-ES	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
3CHS*FCV110B	BA BLEND CONTROL		AB	00043	DM	Y	N	3G	S	NA	NA		33+		A	
	FISHER	FQP-22-1B			NA											
	667NS-ES	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
3CHS*FCV111A	TOTAL MKUP CONT		AB	00043	DM	Y	N	3G	S	NA	NA		33+		A	
	FISHER	FQP-22-1B			NA											
	667NS-ES	185			ASME III,CL3											
	NAMCO LIMIT SWITCH	EA 180														
3CHS*FCV111B	TOTAL MKUP CONT		AB	00043	DM	Y	N	3G	S	NA	NA		33+		A	
	FISHER	FQP-22-1B			NA											
	667NS-ES	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
3CHS*FCV121	CHARGING LINE		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	657NS-DBQNS	185			ASME III,CL2											

FV - VALVE,FLOW

3CHS*FV99	VCT SWIRL CONTROL		AB	00054	DM	Y	N	3G	S	NA	NA		33+		A	
		FQP-22-1B			NA											
	667NS-ES	185			ASME III,CL2											

HCV - VALVE,CONTROL,HAND

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3CHS*HCV123	EXCESS LTDN FLOW		CS	-0011	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	667NS-DBQNS	185			ASME III,CL2											
3CHS*HCV128	LTDN FROM RHR		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	667NS-ES	185			ASME III,CL1											
3CHS*HCV182	CHG HDR		AB	00024	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	657NS-DBQNS	185			ASME III,CL2											
3CHS*HCV387	LTDN DIVERSION TO BTRS		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	657NS-ED	185			ASME III,CL3											
LCV - VALVE,CONTROL,LEVEL,SELF ACTUATED																
3CHS*LCV112A	VOL CONT TK		AB	00043	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	FQP-22-1B			NA											
	667NS-YS	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
PCV - VALVE,CONTROL,PRESSURE,SELF ACTUATED																
3CHS*PCV131	LO PRESS LTDN		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	657NS-ES	185			ASME III,CL1											
SOV - VALVE,SOLENOID																

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PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	HTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CHS*SOV110B	BA BLEND CONT		CS	00055	EM	Y	N	3G	N	SF	SD	*	35+			A	Y
	FISHER	AQR-67638			NA												
		185			IEEE 323,344,382												
	ASCO SOLENOID	NPK 8320															
3CHS*SOV111A	TOTAL MKUP CONT		AB	00045	EM	Y	N	3G	N	SF	SD	*	35+			A	Y
	FISHER	AQR-67638			NA												
		185			IEEE 323,344,382												
	ASCO SOLENOID	NPK 8320															
3CHS*SOV111B	TOTAL MKUP CONT		AB	00049	EM	Y	N	3G	N	SF	SD	*	35+			A	Y
	FISHER	AQR-67638			NA												
		185			IEEE 323,344,382												
	ASCO SOLENOID	NPK 8320															
3CHS*SOV129	LTDN DEMN/VCT		AB	00025	EM	Y	N	3G	N	SF	SD	*	35+			A	Y
	FISHER	AQR-67638			NA												
		185			IEEE 323,344,382												
	ASCO SOLENOID	NPK 8320															

SV - VALVE;SOLENOID,(WESTINGHOUSE)

3CHS*SV110A1	BA BLEND CONT		AB	00024	EM	Y	N	3G	N	SF	SD	*	35+			A	Y
	FISHER	AQR-67638			NA												
		185			IEEE 323,344,382												
	ASCO SOLENOID	NPK 8320															
3CHS*SV110A2	BA BLEND CONT		AB	00024	EM	Y	N	3G	N	SF	SD	*	35+			A	Y
	FISHER	AQR-67638			NA												
		185			IEEE 323,344,382												
	ASCO SOLENOID	NPK 8320															
3CHS*SV112A1	VOL CONT TANK		AB	00057	EM	Y	N	3G	N	SF	SD	*	35+			A	Y
	FISHER	AQR-67638			NA												
		185			IEEE 323,344,382												
	ASCO SOLENOID	NPK 8320															

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PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3CHS*SV112A2	VOL CONT TANK		AB	00057	EM	Y	N	3G	N	SF	SD	*	35+		A	Y
	FISHER	AQR-67638			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3CHS*SV8143	EXCESS LTDN TO VCT/CDTT		CS	00009	EM	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3CHS*SV8146	CHG TO RX CLT SYS ISOL		CS	00010	EM	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3CHS*SV8147	CHG TO RX CLT SYS ISOL		CS	00010	EM	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3CHS*SV8149A	LTDN ORIFICE ISOL		CS	00001	EM	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3CHS*SV8149B	LTDN ORIFICE ISOL		CS	00001	EM	Y	N	3G	N	SF	SD	*	35+		A	Y
	FISHER	AQR-67638			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3CHS*SV8149C	LTDN ORIFICE ISOL		CS	00001	EM	Y	N	3G	N	SF	SD	*	35+		A	Y
	FISHER	AQR-67638			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														

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PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/85

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CHS*SV8152	LTDN L ISOL		AB	00004	EM	Y	N	3G	N	SF	SD		*	35+		A	Y
	FISHER	AQR-67638			NA												
		185			IEEE 323,344,382												
	ASCO SOLENOID	NPK 8320															
3CHS*SV8160	LTDN ISOL		CS	00004	EM	Y	N	3G	N	SF	SD			35+		A	Y
	FISHER	AQR-67368			NA												
		185			IEEE 323,344,382												
	ASCO SOLENOID	NPK 8320															
TCV - VALVE,CONTROL,TEMPERATURE,SELF ACTUATED																	
3CHS*TCV129	LTDN DEMN/VCT		AB	00004	DM	Y	N	3G	S	NA	NA			33+		A	Y
	FISHER	FQP-22-1B			NA												
	657NS-YS	185			ASME III,CL2												
	NAMCO LIMIT SWITCH	EA 180															
3CHS*TCV381A	LTDN REHT HX OUT		AB	00024	DM	Y	N	3G	S	NA	NA			33+		A	Y
		FQP-22-1B			NA												
	667NS-ED	185			ASME III,CL1												
3CHS*TCV381B	LTDN REHT HX OUT		AB	00025	DM	Y	N	3G	S	NA	NA			33+		A	Y
		FQP-22-1A			NA												
	657NS-ED	185			ASME III,CL1												
RV - VALVE,RELIEF																	
3CHS*RV7006	LTDN REHEAT HX OUT PRESS		AB	00035	DM	Y	N	3G	S	SF	SD			33+		A	Y
		407487-REV.5			NA												
	LCT-20/S4	186			ASME III,CL3												

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS DYN.	LOADS: OTHER	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3CHS*RV8113	CTNMT PRESS RELIEF	407487-REV.5	CS	00007	DM NA	Y	N	3G	S	SF	SD		33+		A	Y
	LCT-14/S4	186			ASME III,CL2											
3CHS*RV8117	LTDN ORIFICE OUT PRESS RLF	407487-REV.5	CS	00005	DM NA	Y	N	3G	S	SF	SD		33+		A	Y
	DB-50J/S4	186			ASME III,CL2											
3CHS*RV8119	FILTER INLET	407487-REV.5	AB	00009	DM NA	Y	N	3G	S	SF	SD		33+		A	Y
	DB-30J/S4	186			ASME III,CL2											
3CHS*RV8120	VOLUME CONT TK PRESS	407487-REV.5	AB	00010	DM NA	Y	N	3G	S	SF	SD		33+		A	Y
	DBO-10L/S4	186			ASME III,CL2											
3CHS*RV8121	RCP SEAL WTR RTN PRESS	407487-REV.5	CS	00007	DM NA	Y	N	3G	S	SF	SD		33+		A	Y
	DB-10K/S4	186			ASME III,CL2											
3CHS*RV8123	RCP SEAL WTR RTN HDR PRESS	407487-REV.5	AB	00009	DM NA	Y	N	3G	S	SF	SD		33+		A	Y
	DB-10L/S4	186			ASME III,CL2											
3CHS*RV8124	CHG PMP SUCT PRESS	407487-REV.5	AB	00026	DM NA	Y	N	3G	S	SF	SD		33+		A	Y
	DB-10F/S4	186			ASME III,CL2											

TRS - SWITCH,TRANSFER

REPORT NO. MSSQT1

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REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CHS*TRS-P3C	MANUAL XFR SW FOR 3CHS*P3C		AB	00024	CF	Y	N	.27.16	N	MF	MD		NA	NA	NA	A	Y
	GOULD BROWN BOVERI	33-49988-SS,ADD.2			NS(B)-007,REV.0B												
		243			IEEE 344												
	BROWN BOVERI	HPL-C															
LI - INDICATOR,LEVEL																	
3CHS*LI102A	BORIC ACID TK5A		CB	00048	CM	Y	N	.40.15	N	MF	MD		NA	NA	NA	A	
		15880,REV 2			NS(B)-017 REV 1B												
	W TYPE 252,4-20 MA	246			IEEE 323												
3CHS*LI104A	BORIC ACID TK5A		CB	00048	CM	Y	N	.40.15	N	MF	MD		NA	NA	NA	A	
		15880,REV 2			NS(B)-017 REV 1B												
	W TYPE 252,4-20 MA	246			IEEE 323												
3CHS*LI105A	BORIC ACID TK5B		CB	00048	CM	Y	N	.40.15	N	MF	MD		NA	NA	NA	A	
		15880,REV 2			NS(B)-017 REV 1B												
	W TYPE 252,4-20 MA	246			IEEE 323												
3CHS*LI106A	BORIC ACID TK5B		CB	00048	CM	Y	N	.40.15	N	MF	MD		NA	NA	NA	A	
		15880,REV 2			NS(B)-017 REV 1B												
	W TYPE 252,4-20 MA	246			IEEE 323												
TS - SWITCH,TEMPERATURE																	
3CHS*TS129	LTDN DEMN/VCT		CB	00048	RM	Y	N	.40.15	N	MF	MD		NA	NA	NA	C	
	FOXBORO	QOAAB33			NS(B)-017 REV 1B												
	N-2AP+ALM-AR	392			IEEE 344,323												
	SIGNAL BISTABLES	N-2AP+ALM-AR															

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PROJECT EQUIPMENT SYSTEM
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REPOPT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	TEST	TEST FREQ DIR	F/B	S/S	VERT	STATUS SQ	STATUS INS
3CHS*TS382	LTDN REHT HX OUT		CB	00048	RM	Y	N	.40.15	N	MF	MD	NA	NA	NA	C	
	FOXBORO	QOAAB33			NS(B)-017 REV 1B											
	N-2AP+ALM-AR	392			IEEE 344,323											
	SIGNAL BISTABLES	N-2AP+ALM-AR														
TY - RELAY,COMPUTING,SELECTING OR BOOSTER,TEMPERATURE																
3CHS*TY129	LTDN DEMN/VCT		CB	00048	M	Y	N	.40.15							A	
	FOXBORO	QOAAB29		R	NS(B)-017 REV 1B											
	N-2AI-P2V	392			IEEE 344,323											
	R/E CONVERTER	N-2AI-P2V														
3CHS*TY382	LTDN REHT HX OUT		CB	00048	M	Y	N	.40.15							A	
	FOXBORO	QOAAB29		R	NS(B)-017 REV 1B											
	N-2AI-P2V	392			IEEE 344,323											
	R/E CONVERTER	N-2AI-P2V														
AE - ANALYZER ELEMENT																
3CHS*AE73	RX CLT BORON CONDESATION		AB	00004	CW	Y	N	.18.12	S	NA	NA		30+		B	
		EDTC-13,ATT.1			NS(B)-007 REV 0B											
	5786-5	459			ASME III,CL2											
MV - VALVE,MOTOR OPERATED																
3CHS*MV8104	BORIC ACID FLT TO CHG PP		AB	00024	DM	Y	N	3G	S	NA	NA		33+		A	Y
	YARWAY	1030-3			NA											
	5515B-F316M	472			ASME III,CL2											
	LIMITORQUE	SMB-00-5														
SOV - VALVE,SOLENOID																

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3CHS*SOV390A	GRD FAIL FUEL DET FLUID INL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
		3040			NA											
	81V-005	654			ASME III,CL2											
3CHS*SOV390B	GRD FAIL FUEL DET FLUID INL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
		3040			NA											
	81V-005	654			ASME III,CL2											
MV - VALVE,MOTOR OPERATED																
3CHS*MV8100	RCP SEAL WTR ISOL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
	YARWAY CORPORATION	1030-3			NA											
	5515B-F316M	655			ASME III,CL2											
	LIMITORQUE	SMB-00-5														
3CHS*MV8109A	RCP SEAL WTR ISOL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
	YARWAY	1030-3			NA											
	5515B-F316M	655			ASME III,CL2											
	LIMITORQUE	SMB-00-10														
3CHS*MV8109B	RCP SEAL WTR ISOL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
	YARWAY	1030-3			NA											
	5515B-F316M	655			ASME III,CL2											
	LIMITORQUE	SMB-00-10														
3CHS*MV8109C	RCP SEAL WTR ISOL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
	YARWAY	1030-3			NA											
	5515B-F316M	655			ASME III,CL2											
	LIMITORQUE	SMB-00-10														
3CHS*MV8109D	RCP SEAL WTR ISOL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
	YARWAY	1030-3														
	5515B-F316M	655			ASME III,CL2											
	LIMITORQUE	SMB-00-10														

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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF / CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3CHS*MV8110	CHG PP MINI FLOW ISOL		AB	00024	DM	Y	N	3G	S	NA	NA			33+		A	Y
	YARWAY	1030-3			NA												
	5515B-F316M	655			ASME III,CL2												
	LIMITORQUE	SMB-00-10															
3CHS*MV8111A	CHG PMP RECIRC		AB	00024	DM	Y	N	3G	S	NA	NA			33+		A	Y
	YARWAY CORPORATION	1030-3			NA												
	5515B-F316M	655			ASME III,CL2												
	LIMITORQUE	SMB-00-10															
3CHS*MV8112	RCP SEAL WTR ISOL		CS	00008	DM	Y	N	3G	S	NA	NA			33+		A	Y
	YARWAY	1030-3			NA												
	5515B-F316M	655			ASME III,CL2												
	LIMITORQUE	SMB-00-5															

LT - TRANSMITTER,LEVEL

3CHS*LT102	BORIC ACID TK5A		AB	00024	RM	Y	N	.27.16	N	MF	MD		50	47	50	A	Y
	ROSEMOUNT	108025			NS(B)-007 REV B												
	1153DB	662			IEEE-323,344												
	DIFF PRSSR TRANSMITR	1153DB5PC															
3CHS*LT104	BORIC ACID TK5A		AB	00024	RM	Y	N	.27.16	N	MF	MD		50	47	50	A	Y
	ROSEMOUNT	108025			NS(B)-007 REV B												
	1153DB	662			IEEE-323,344												
	DIFF PRSSR TRANSMITR	1153DB5PC															
3CHS*LT105	BORIC ACID TK5B		AB	00024	RM	Y	N	.27.16	N	MF	MD		50	47	50	A	Y
	ROSEMOUNT	108025			NS(B)-007 REV B												
	1153DB	662			IEEE-323,344												
	DIFF PRSSR TRANSMITR	1153DB5PC															
3CHS*LT106	BORIC ACID TK5B		AB	00024	RM	Y	N	.27.16	N	MF	MD		50	47	50	A	Y
	ROSEMOUNT	108025			NS(B)-007 REV B												
	1153DB	662			IEEE-323,344												
	DIFF PRSSR TRANSMITR	1153DB5PC															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
TE - TEMPERATURE ELEMENT, PRIMARY																
3CHS*TE129	LTDN DEMN/VCT		AB	00004	DM	Y	N	3.0	N	MF	MD		33+		A	Y
	WEED INSTRUMENT CO	3035-00125-14			NA											
	0213-00125-004	683			IEEE 323,344											
	WEED RTD	612														
3CHS*TE382	LTDN REHT HX OUT		AB	00024	DM	Y	N	3.0	N	MF	MD		33+		A	Y
	WEED INSTRUMENT CO	3035-00125-14			NA											
	0213-00125-004	683			IEEE 323,344											
	WEED RTD	612														
NSSS EQUIPMENT																
BL - BLENDER																
3CHS*BL1	BORIC ACID BLENDER		AB	00043	CF				S	NA	NA	*	33+		A	Y
	WESTINGHOUSE	W-001														
		001			ASME III											
DEMN - DEMINERALIZER																
3CHS*DEMN1A	MIXED BED DEMINERALIZER		AB	00024	CF	Y	N	1.5.75	S	NA	NA	*	33+		A	Y
	WESTINGHOUSE	W-001														
		001			ASME III											
3CHS*DEMN1B	MIXED BED DEMINERALIZER		AB	00028	CF	Y	N	1.5.75	S	NA	NA	*	33+		A	Y
		W-001														
		001			ASME III											

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NSSS SUPPLIER: WESTINGHOUSE

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EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CHS*DEMN2	LETDOWN CATION BED DEMIN WESTINGHOUSE	W-001 001	AB	00028	CF ASME III	Y	N	1.5.75	S	NA	NA	*	33+		A	Y
3CHS*DEMN3A	THERMAL REGEN DEMIN WESTINGHOUSE	001	AB	00028	CF *										D	Y
3CHS*DEMN3B	THERMAL REGEN DEMIN	001	AB	00028	CF										D	Y
3CHS*DEMN3C	THERMAL REGEN DEMIN	001	AB	00028	CF										D	Y
3CHS*DEMN3D	THERMAL REGEN DEMIN	001	AB	00028	CF										D	Y
3CHS*DEMN3E	THERMAL REGEN DEMIN	001	AB	00028	CF										D	Y
E - EXCHANGER,HEAT																
3CHS*E1	REGENERATIVE HEAT EXCHANGER WESTINGHOUSE	W-001 001	CS	-0011	CF ASME III	Y	N	1.5.75	S	NA	NA	*	33+		A	I

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EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	LOADS: ANLYS	QUAL METH: TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CHS*E2	LETDOWN HEAT EXCHANGER WESTINGHOUSE	W-001 001	AB	00024	CF ASME III	Y	N	1.5.75	S	NA	NA	*	33+		A	Y
3CHS*E3	EXCESS LETDOWN HEAT EXCHANGER WESTINGHOUSE	W-001 001	CS	-0011	CF ASME III	Y	N	1.5.75	S	NA	NA	*	33+		A	Y
3CHS*E4	SEAL WATER HEAT EXCHANGER WESTINGHOUSE	W-001 001	AB	00024	CF ASME III	Y	N	1.5.75	S	NA	NA	*	33+		A	Y
3CHS*E5	MODERATING HEAT EXCHANGER WESTINGHOUSE	001	AB	00024	CF ASME III										D	Y
3CHS*E6	LETDOWN CHILLER HEAT EXCH WESTINGHOUSE	001	AB	00024	CF										D	Y
3CHS*E7	LETDOWN REHEAT HEAT EXCH WESTINGHOUSE	001	AB	00024	CF										D	Y
3CHS*E9A	CHARGING PUMPS LO COOLER WESTINGHOUSE	001	AB	00024	CF										D	Y

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SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CHS*E9B	CHARGING PUMPS LO COOLER WESTINGHOUSE	001	AB	00024	CF										D	Y
3CHS*E9C	CHARGING PUMPS LO COOLER WESTINGHOUSE	001	AB	00024	CF										D	Y
FLT - FILTER																
3CHS*FLT1	SEAL WATER RETURN FILTER WESTINGHOUSE	W-001 001	AB	00024	DM ASME III	Y	N	1.5.75	S	NA	NA	*	33+		A	Y
3CHS*FLT2	REAC CLNT FILTER WESTINGHOUSE	W-001 001	AB	00024	DM ASME III	Y	N	1.5.75	S	NA	NA	*	33+		A	Y
3CHS*FLT3A	SEAL WATER INJECT FILTER WESTINGHOUSE	W-001 001	AB	00024	DM ASME III	Y	N	1.5.75	S	NA	NA	*	33+		A	Y
3CHS*FLT3B	SEAL WATER INJECT FILTER WESTINGHOUSE	W-001 001	AB	00024	DM ASME III	Y	N	1.5.75	S	NA	NA	*	33+		A	Y
3CHS*FLT4	BORIC ACID FILTER WESTINGHOUSE	W-001 001	AB	00024	DM ASME III	Y	N	1.5.75	S	NA	NA	*	33+		A	Y

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NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RMS REF CODES	LOADS: SETS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CHS*FLT5	LETDOWN FILTER WESTINGHOUSE	001	AB	00028	DM ASME III											D	Y
FP - CONNECTION,FLOW																	
3CHS*FP139	LOOP FILL HDR	001	CB		DM											D	
3CHS*FP183	EMER BORATION	001	CB		DM											D	
FT - TRANSMITTER,FLOW																	
3CHS*FT110	BA BLEND CONT	001	AB	00024	DM											D	
HC - CONTROLLER,HAND																	
3CHS*HC190A	CHG HDR FLOW CONT. WESTINGHOUSE	001	CB	00048	EM											D	
3CHS*HC190A1	CHG HDR FLOW CONT. WESTINGHOUSE	001	CB	00048	EM											D	

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ENGINEER: STONE & WEBSTER
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SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

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3CHS*HC190B	CHG HDR FLOW CONT.		CB	00048	EM										D	
	WESTINGHOUSE	001														
3CHS*HC190B1	CHG HDR FLOW CONT.		CB	00048	EM										D	
	WESTINGHOUSE	001														
HCV - VALVE,CONTROL,HAND																
3CHS*HCV184	LOOP FILL HDR FLOW		AB	00004	DM	Y	N	2.1	S	NA	NA	*	33+		A	Y
		M-001														
		001			ASME III											
3CHS*HCV190A	CHARGING HDR FLOW VV		AB	00004	DM	Y	N	2.1	S	NA	NA	*	33+		A	Y
	WESTINGHOUSE	M-001														
		001			ASME III											
	TARGET ROCK(SOL&LS)															
3CHS*HCV190B	CHARGING HDR FLOW VV		AB	00024	DM	Y	N	2.1	S	NA	NA	*	33+		A	Y
	WESTINGHOUSE	M-001														
		001			ASME III											
	TARGET ROCK(SOL&LS)															
LI - INDICATOR,LEVEL																
3CHS*LI102	BORIC ACID TK5A		CB	00048	CM	Y	N	.40.15	N	MF	MD	NA	NA	NA	C	
		SQP-99X2087-A			NS(B)-017,REV 1B											
	WEST TYPE 252	001			IEEE 344 & NUREG 0800											

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REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CHS*LI104	BORIC ACID TK5A	001	CB	00048	EM *											D	
3CHS*LI105	BORIC ACID TK5B	001	CB	00048	EM											D	
3CHS*LI106	BORIC ACID TK5B	001	CB	00048	EM											D	
MV - VALVE,MOTOR OPERATED																	
3CHS*MV8111B	CHG PMP RECIRC WESTINGHOUSE	W-001 001	AB	00024	DM ASME III	Y	N	2.1	S	NA	NA	*	33+			A	Y
3CHS*MV8111C	CHG PMP RECIRC WESTINGHOUSE	W-001 001	AB	00024	DM ASME III	Y	N	2.1	S	NA	NA	*	33+			A	Y
3CHS*MV8116	CONTROL VLV WESTINGHOUSE NSSS	W-001 001	AB	00004	DM ASME III	Y	N	2.1	S	NA	NA	*	33+			A	Y
3CHS*MV8438A	CHG PP HDR ISOL VV WESTINGHOUSE NSSS	W-001 001	AB	00024	DM ASME III	Y	N	2.1	S	NA	NA	*	33+			A	Y

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NSSS SUPPLIER: WESTINGHOUSE

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3CHS*MV8438B	CHG PP HDR ISOL VV WESTINGHOUSE NSSS	W-001 001	AB	00024	DM ASME III	Y	N	2.1	S	NA	NA	*	33+		A	Y
3CHS*MV8438C	CHG PP HDR ISOL VV WESTINGHOUSE NSSS	W-001 001	AB	00024	DM ASME III	Y	N	2.1	S	NA	NA	*	33+		A	Y
3CHS*MV8468A	LP SI CHG PP SUCT VV WESTINGHOUSE NSSS	W-001 001	AB	00024	DM ASME III	Y	N	2.1	S	NA	NA	*	33+		A	Y
3CHS*MV8468B	LP SI CHG PP SUCT VV WESTINGHOUSE NSSS	W-001 001	AB	00024	DM ASME III	Y	N	2.1	S	NA	NA	*	33+		A	Y
3CHS*MV8507A	BORIC ACID TK G FEED VV WESTINGHOUSE NSSS	W-001 001	AB	00043	DM ASME III	Y	N	2.1	S	NA	NA	*	33+		A	Y
3CHS*MV8507B	BORIC ACID TK G FEED VV WESTINGHOUSE NSSS	W-001 001	AB	00043	DM ASME III	Y	N	2.1	S	NA	NA	*	33+		A	Y
3CHS*MV8511A	MOTOR VALVE WESTINGHOUSE NSSS LIMITORQUE/NAMCO	W-001 001 SMB 00/ EA-170	AB	00024	DM ASME III	Y	N	2.1	S	NA	NA	*	33+		A	Y

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3CHS*MV8511B	MOTOR VALVE		AB	00024	DM	Y	N	2.1	S	NA	NA	*	33+		A	Y
	WESTINGHOUSE NSSS	W-001														
		001			ASME III											
	LIMITORQUE/NAMCO	SMB 00/ EA-170														
3CHS*MV8512A	MOTOR OPERATED VALVE		AB	00024	DM	Y	N	2.1	S	NA	NA	*	33+		A	Y
	WESTINGHOUSE NSSS	W-001														
		001			ASME III											
	LIMITORQUE/NAMCO	SMB 00/ EA-170														
3CHS*MV8512B	MOTOR VALVE		AB	00024	DM	Y	N	2.1	S	NA	NA	*	33+		A	Y
	WESTINGHOUSE NSSS	W-001														
		001			ASME III											
	LIMITORQUE/NAMCO	SMB 00/ EA-170														
P - PUMP																
3CHS*P2A	BORIC ACID XFER PUMP A		AB	00043	CF	Y	N	2.1	S	NA	NA	*	33+		A	Y
		W-001														
		001			ASME III											
3CHS*P2B	BORIC ACID XFER PUMP B		AB	00043	CF	Y	N	2.1	S	NA	NA	*	33+		A	Y
		W-001														
		001			ASME III											
3CHS*P3A	CVCS CHARGING PUMP A		AB	00024	CF	*	N	2.1							D	Y
	WESTINGHOUSE															
		001			ASME III											
3CHS*P3B	CVCS CHARGING PUMP B		AB	00024	CF	*	N	2.1							D	Y
	WESTINGHOUSE															
		001			ASME III											

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3CHS*P3C	CVCS CHARGING PUMP C WESTINGHOUSE	001	AB	00024	CF ASME III	*	N	2.1								D	Y
3CHS*P6A	CVCS CHG PP OIL PUMP A	001	AB	00024	CF ASME III	*	N	2.1								D	Y
3CHS*P6B	CVCS CHG PP OIL PUMP B	001	AB	00024	CF ASME III	*	N	2.1								D	Y
3CHS*P6C	CVCS CHG PP OIL PUMP C	001	AB	00024	CF ASME III	*	N	2.1								D	Y
3CHS*P7A	TH.REGEN.CHILR OIL PUMP	001	AB	00043	CF ASME III	*	N	2.1								D	Y
3CHS*P7B	SHAFT DRIVEN LO PUMP	001	AB	00024	CF ASME III	*	N	2.1								D	Y
3CHS*P7C	SHAFT DRIVEN LO PUMP	001	AB	00024	CF ASME III	*	N	2.1								D	Y

RO - ORIFICE,RESTRICTION

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NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	HTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CHS*RO46C	CHG PMP MINI FLOW	W-001 001	AB	00024	DM ASME III	*	N	2.1	S	NA	NA	*	33+			D	
RV - VALVE,RELIEF																	
3CHS*RV8510A	CHG PMP MINIFLOW RELIEF	W-001 001	AB		DM ASME III	Y	N	2.1	S	NA	NA	*	33+			A	Y
3CHS*RV8510B	CHG PMP MINIFLOW RELIEF	W-001 001	AB		DM ASME III	Y	N	2.1	S	NA	NA	*	33+			A	Y
TC - CONTROLLER,TEMPERATURE																	
3CHS-TC130	LTDN HX OUT	001	CB	00046	EM											D	
TD/ - TEMPERATURE DIGITAL COMPUTER(WESTINGHOUSE)																	
3CHS*TD/116	1217900VOL CONT TK OUT	001	CB		DM *											D	
3CHS*TD/122	1217900EXCESS LTDN HX	001	CB		DM											D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: TEST	QUAL METH: TEST FREQ	QUAL METH: DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3CHS*TD/126	1217900REGEN HX CHG	001	CB		DM										D	
3CHS*TD/127	1217900REGEN HX LTDN	001	CB		DM										D	
3CHS*TD/130	1217900LTDN HX OUT	001	CB		DM										D	
3CHS*TD/381	1217900LTDN RGHT HX OUT	001	CB		DM										D	
3CHS*TD/389	1217900ION EXCH OUT	001	CB		DM										D	
TK - TANK																
3CHS*TK2	VOLUME CONTROL TANK WESTINGHOUSE	W-001 001	AB	00043	CF ASME III	Y	N	1.0	S	NA	NA	*	33+		A	Y
ZI - INDICATOR,POSITION																

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CHS - CHEMICAL & VOLUME CONTROL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS / OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3CHS*ZI190A	CHARGING HDR FLOW CNTL WESTINGHOUSE	001	C		EM *									D	
3CHS*ZI190A1	CHG HEADER FLOW CNTL WESTINGHOUSE	001	CB	00048	EM									D	
3CHS*ZI190B	CHG HEADER FLOW CNTL WESTINGHOUSE	001	CB	00048	EM									D	
3CHS*ZI190B1	CHARGING HDR FLOW CNTL WESTINGHOUSE	001	CB		EM									D	
ZT - TRANSMITTER,POSITION															
3CHS*ZT190A	CHG HEADER FLOW CNTL	001	AB	00004	EM									D	Y
3CHS*ZT190B	CHG HEADER FLOW CNTL	001	AB	00024	EM									D	Y

REPORT NO. HSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CMS - CONTAINMENT ATMOSPHERE MONITORING-SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS DYN.	OTHER	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SNEC EQUIPMENT																
CTV - VALVE,CONTAINMENT,TRIP																
3CMS*CTV20	CONT ATM MON SYS CONT ISOL FISHER 667NS-ES NAMCO LIMIT SWITCH	 FQP-22-2 185 EA 180	AB		DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	
3CMS*CTV21	CONT ATM MON SYS CONT ISOL FISHER 667NS-ES NAMCO LIMIT SWITCH	 FQP-22-2 185 EA 180	AB		DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	
3CMS*CTV23	CONT ATM MON SYS CONT ISOL FISHER 667NS-ES NAMCO LIMIT SWITCH	 FQP-22-2 185 EA 180	AB		DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	
SOV - VALVE,SOLENOID																
3CMS*SOV20	CONT ATM MON SYS CONT ISOL FISHER ASCO SOLENOID	 AQR-67368 185 NPK 8320	AB		EM NA IEEE 323,344,382	Y	N	3G	N	SF	SD		35+		A	
3CMS*SOV21	CONT ATM MON SYS CONT ISOL FISHER ASCO SOLENOID	 AQR-67638 185 NPK 8320	AB		EM NA IEEE 323,344,382	Y	N	3G	N	SF	SD	*	35+		A	

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CMS - CONTAINMENT ATMOSPHERE MONITORING-SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3CMS*SOV23	CONT ATM MON SYS CONT ISOL FISHER ASCO SOLENOID	 AOR-67638 185 NPK 8320	CS		EM NA IEEE 323,344,382	Y	N	3G	N	SF	SD	*	35+			A	
RE - RADIOACTIVITY ELEMENT, PRIMARY																	
3CMS*RE22A	CONT STRUCT GAS/PART KAMAN SCIENCES KMPG-MF(450967-003) KAMAN	RAD MON K-84-50/K-84-18 624 KMPG-MF	AB	00066	CF NS(B)-007,REV 0B IEEE-323,344	Y	N	.41.18		NA	NA	NA				B	
3CMS*RE22B	CONT STRUCT GAS/PART KAMAN SCIENCES KMPG-MF(450967-003) KAMAN	RAD MON K-84-50/K-84-18 624 KMPG-MF	AB	00066	CF NS(B)-007,REV 0B IEEE-323,344	Y	N	.41.18		NA	NA	NA				B	
RV - VALVE,RELIEF																	
3CMS*RV22A	CONT STRUCT GAS/PART KMPG-MF	RAD MON K-84-18U(R) 624	CB		CM NS(B)-074 REV 1B IEEE-323,344	Y	N	.41.18								D	
3CMS*RV22B	CONT STRUCT GAS/PART KMPG-MF	RAD MON K-84-18U(R) 624	CB		CM NS(B)-074 REV 1B IEEE-323,344	Y	N	.41.18								D	
SOV - VALVE,SOLENOID																	
3CMS*SOV22B	CONT STRUCT GAS/PART KMPG-MF	RAD MON K-84-18U(R) 624	AB		CM NS(B)-074 REV 1B IEEE-323,344	Y	N	.41.18								D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CMS - CONTAINMENT ATMOSPHERE MONITORING-SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
MOV - VALVE,MOTOR OPERATED																
3CMS*MOV24	CONTMT ATMOS ISOL		CS	00022	DM	Y	N	3G	S	NA	NA			33+	A	Y
	YARWAY CORPORATION	1030-1			NA											
	55\5B-F316M	655			ASME III,CL2											
	LIMITORQUE OPERATOR	SMB-000-5														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CVS - CONTAINMENT VACUUM - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT																	
AOV - VALVE,AIR OPERATED																	
3CVS*AOV23	CVS EJECT SUCT ISOL		CS	00016	EM	Y	N	3G	S	NA	NA		33+			A	
		8K142-01			NA												
	9210	185			ASME III,CL2												
CTV - VALVE,CONTAINMENT,TRIP																	
3CVS*CTV20A	CVS ISOL		AB	00004	EM	Y	N	3G	S	NA	NA		33+			A	
	FISHER	FQP-22-3			NA												
	667NS-ES	185			ASME III,CL2												
	NAMCO LIMIT SWITCH	EA 180															
3CVS*CTV20B	CVS ISOL		AB	00004	EM	Y	N	3G	S	NA	NA		33+			A	
	FISHER	FQP-22-3			NA												
	667NS-ES	185			ASME III,CL2												
	NAMCO LIMIT SWITCH	EA 180															
3CVS*CTV21A	CVS ISOL		AB	00004	DM	Y	N	3G	S	NA	NA		33+			A	
	FISHER	FQP-22-3			NA												
	667NS-ES	185			ASME III,CL2												
	NAMCO LIMIT SNITCH	EA 180															
3CVS*CTV21B	CVS ISOL		AB	00004	DM	Y	N	3G	S	NA	NA		33+			A	
	FISHER	FQP-22-3			NA												
	667NS-ES	185			ASME III,CL2												
	NAMCO LIMIT SWITCH	EA 180															
SOV - VALVE,SOLENOID																	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM CVS - CONTAINMENT VACUUM - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3CVS*SOV20A	CVS ISOL		AB	00004	EM	Y	N	3G	N	SF	SD		35+		A	
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3CVS*SOV20B	CVS ISOL		AB	00004	EM	Y	N	3G	N	SF	SD		35+		A	
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3CVS*SOV21A	CVS ISOL		AB	00004	EM	Y	N	3G	N	SF	SD		35+		A	
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3CVS*SOV21B	CVS ISOL		AB	00004	EM	Y	N	3G	N	SF	SD		35+		A	
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														

MOV - VALVE,MOTOR OPERATED

3CVS*MOV25	GLOBE VALVE		CS	00022	DM	Y	N	3G	S	NA	NA		33+		. .	
		1030-3			NA											
	5515B-F316M	655			ASME III,CL2											

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM DAS - DRAINS (AERATED) REACTOR PLANT - SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
SWEC EQUIPMENT																
CTV - VALVE,CONTAINMENT,TWIP																
3DAS*CTV24	CNTMNT DRNS ISOL		CS	00018	DM	Y	N	3G	S	NA	NA		33+		A	
	FISHER	FQP-22-3			NA											
	667NS-ES	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
3DAS*CTV25	CNTMNT DRNS ISOL		AB	00012	DM	Y	N	3G	S	NA	NA		33+		A	
	FISHER	FQP-22-3			NA											
	667NS-ES	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
SOV - VALVE,SOLENOID																
3DAS*SOV24-1	CNTMNT DRNS ISOL		TB		DM	Y	N	3G	N	SF	SD		35+		A	
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3DAS*SOV25	CNTMNT DRNS ISOL		AB	00004	DM	Y	N	3G	N	SF	SD		35+		A	
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
LS - SWITCH,LEVEL																
3DAS*LS63A	PIPE TUNNEL		AB	00004	CW	Y	N	.18.12	N	MF	MD	33+	33+	33+	A	Y
	MAGNETROL	44720-2			NS(B)-007 REV 0B											
	FLS-EP/VPX-SIMD4DC	388			IEEE-323,344											
	LEVEL SWITCH	FLS-EP/VPX-SIM D4 DC														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM DAS - DRAINS (AERATED) REACTOR PLANT - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3DAS*LS63B	PIPE TUNNEL		AB	00004	CW	Y	N	.18.12	N	MF	MD	33+	33+	33+	A	Y
	MAGNETROL	44720-2			NS(B)-007 REV 0B											
	FLS-EP/VPX-SIMD4DC	388			IEEE-323,344											
	LEVEL SWITCH	FLS-EP/VPX-SIM D4 DC														
3DAS*LS64A	ECCS PIPE CUBICLE		ESB	00004	CW	Y	N	.20.12	N	MF	MD	33+	33+	33+	A	Y
	MAGNETROL	44720-2			NS(B)-007 REV 0B											
	FLS-EP/VPX-SIMD4DC	388			IEEE-323,344											
	LWVEL SWITCH	FLS-EP/VPX-SIMD4 DC														
3DAS*LS64B	ECCS PIPE CUBICLE		ESB	00004	CW	Y	N	.18.12	N	MF	MD	33+	33+	33+	A	Y
	MAGNETROL	44720-2			NS(B)-007 REV 0B											
	FLS-EP/VPX-SIMD4DC	388			IEEE-323,344											
	LWVEL SWITCH	FLS-EP/VPX-SIMD4 DC														
3DAS*LS65A	RHR CUBICLE		ESB	00004	CW	Y	N	.20.12	N	MF	MD	33+	33+	33+	A	Y
	MAGNETROL	44720-2			NS(B)-007 REV 0B											
	FLS-EP/VPX-SIMD4DC	388			IEEE-323,344											
	LEVEL SWITCH	FLS-EP/VPX-SIMD4 DC														
3DAS*LS65B	RHR CUBICLE		ESB	00004	CW	Y	N	.20.12	N	MF	MD	33+	33+	33+	A	Y
	MAGNETROL	44720-2			NS(B)-007 REV 0B											
	FLS-EP/VPX-SIMD4DC	388			IEEE-323,344											
	LEVEL SWITCH	FLS-EP/VPX-SIM D4DC														
3DAS*LS66A	CONT RECIRC CUBICLE		ESB		CW	Y	N	.20.12	N	MF	MD	33+	33+	33+	A	Y
	MAGNETROL	44720-2			NS(B)-007 REV 0B											
	FLS-EP/VPX-SIMD4DC	388			IEEE-323,344											
	LEVEL SWITCH	FLS-EP/VPX-SIMD4DC														
3DAS*LS66B	CONT RECIRC CUBICLE		ESB		CW	Y	N	.20.12	N	MF	MD	33+	33+	33+	A	Y
		44720-2			NS(B)-007 REV 0B											
	FLS-EP/VPX-SIMD4DC	388			IEEE-323,344											

REPORT NO. MSSQT1

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM DGS - DRAINS (HYDROGENATED) REACTOR PLANT - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: HTG RRS REF CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
SWEC EQUIPMENT																
CTV - VALVE,CONTAINMENT,TRIP																
3DGS*CTV24	DGS CNTMNT ISOL		CS	00019	NA	Y	N	3G	S	NA	NA		33+		A	
	FISHER	FQP-22-4			NA											
	667NS-ES	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
3DGS*CTV25	DGS CNTMNT ISOL		AB	00012	DM	Y	N	3G	S	NA	NA		33+		A	
	FISHER	FQP-22-4			NA											
	667NS-ES	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
SOV - VALVE,SOLENOID																
3DGS*SOV24A	DGS CNTMNT ISOL		AB	00019	EM	Y	N	3G	N	SF	SD		35+		A	
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3DGS*SOV25	DGS CNTMNT ISOL		AB	00004	EM	Y	N	3G	N	SF	SD		35+		A	
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														

REPORT NO. MSSQT1

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM DTM - DRAINS - TURBINE PLANT MISCELLANEOUS

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
SWEC EQUIPMENT																
AOV - VALVE,AIR OPERATED																
3DTM*AOV29A	MN STM LINE DRAIN		MSV	00062	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	FQP-22-7			NA											
		185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA180														
3DTM*AOV29B	MN STM LINE DRAIN		MSV		DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	FQP-22-7			NA											
	667NS-DBQNS	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA180														
3DTM*AOV29C	MN STM LINE DRAIN		MSV		DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	FQP-22-7			NA											
	667NS-DBQNS	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA180														
3DTM*AOV29D	MN STM LINE DRAIN		MSV		DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	FQP-22-7			NA											
	667NS-DBQNS	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA180														
3DTM*AOV61A	MN STM LINE DRAIN		MSV	00062	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	FQP-22-7			NA											
	667NS-DBQNS	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
3DTM*AOV61B	MN STM LINE DRAIN		MSV	00062	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	FQP-22-7			NA											
	667NS-DBQNS	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM DTM - DRAINS - TURBINE PLANT MISCELLANEOUS

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3DTM*AOV61C	MN STM LINE DRAIN		MSV 00062	DM	Y	N	3G	S	NA	NA			33+	A	Y
	FISHER	FQP-22-7		NA											
	667NS-DBQNS	185		ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180													
3DTM*AOV61D	MN STM LINE DRAIN		MSV 00062	DM	Y	N	3G	S	NA	NA			33+	A	Y
	FISHER	FQP-22-7		NA											
	667NS-DBQNS	185		ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180													
3DTM*AOV63A	MN STM LINE DRAIN		ESB 00025	DM	Y	N	3G	S	NA	NA			33+	A	Y
	FISHER	FQP-22-6		NA											
	667NS-DBQNS	185		ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 170													
3DTM*AOV63B	MN STM LINE DRAIN		ESB 00025	DM	Y	N	3G	S	NA	NA			33+	A	Y
	FISHER	FQP-22-6		NA											
	667NS-DBQNS	185		ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 170													
3DTM*AOV63D	MN STM LINE DRAIN		ESB 00025	DM	Y	N	3G	S	NA	NA			33+	A	Y
	FISHER	FQP-22-6		NA											
	667NS-DBQNS	185		ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 170													
3DTM*AOV64A	MN STM LINE DRAIN		ESB 00025	DM	Y	N	3G	S	NA	NA			33+	A	Y
	FISHER	FQP-22-6		NA											
	667NS-DBQNS	185		ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 170													
3DTM*AOV64B	MN STM LINE DRAIN		ESB 00025	DM	Y	N	3G	S	NA	NA			33+	A	Y
	FISHER	FQP-22-6		NA											
	667NS-DBQNS	185		ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 170													

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM DTM - DRAINS - TURBINE PLANT MISCELLANEOUS

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3DTM*AOV64D	MN STM LINE DRAIN		ESB 00025	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	FQP-22-6		NA											
	667NS-DBQNS	185		ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 170													
SOV - VALVE,SOLENOID															
3DTM*SOV29A	MN STM LINE DRAIN		MSV 00042	EM	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368		NA											
		185		IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320													
3DTM*SOV29B	MN STM LINE DRAIN		MSV	EM	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368		NA											
		185		IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320													
3DTM*SOV29C	MN STM LINE DRAIN		TB	EM	Y	N	3G	N	SF	SD	*	35+		A	Y
	FISHER	AQR-67638		NA											
		185		IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320													
3DTM*SOV29D	MN STM LINE DRAIN		MSV	EM	Y	N	3G	N	SF	SD	*	35+		A	Y
	FISHER	AQR-67638		NA											
		185		IEEE 323,344,362											
	ASCO SOLENOID	NPK 8320													
3DTM*SOV61A	MN STM LINE DRAIN		MSV 00062	EM	Y	N	3G	N	SF	SD	*	35+		A	Y
	FISHER	AQR-67638		NA											
		185		IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320													
3DTM*SOV61B	MN STM LINE DRAIN		MSV 00062	EM	Y	N	3G	N	SF	SD	*	35+		A	Y
	FISHER	AQR-67638		NA											
		185		IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320													

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM DTM - DRAINS - TURBINE PLANT MISCELLANEOUS

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3DTM*SOV61C	MN STM LINE DRAIN		MSV 00062	EM	Y	N	3G	N	SF	SD	*	35+		A	Y
	FISHER	AQR-67638		NA											
		185		IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320													
3DTM*SOV61D	MN STM LINE DRAIN		MSV 00062	EM	Y	N	3G	N	SF	SD	*	35+		A	Y
	FISHER	AQR-67638		NA											
		185		IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320													
3DTM*SOV63A	MN STM LINE DRAIN		ESB 00025	EM	Y	N	3G	N	SF	SD	*	35+		A	
	FISHER	AQR-67638		NA											
		185		IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320													
3DTM*SOV63B	MN STM LINE DRAIN		ESB 00025	EM	Y	N	3G	N	SF	SD	*	35+		A	
	FISHER	AQR-67638		NA											
		185		IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320													
3DTM*SOV63D	MN STM LINE DRAIN		ESB 00025	EM	Y	N	3G	N	SF	SD	*	35+		A	
	FISHER	AQR-67638		NA											
		185		IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320													
3DTM*SOV64A	MN STM LINE DRAIN		ESB 00025	EM	Y	N	3G	N	SF	SD	*	35+		A	
	FISHER	AQR-67638		NA											
		185		IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320													
3DTM*SOV64B	MN STM LINE DRAIN		ESB 00025	EM	Y	N	3G	N	SF	SD	*	35+		A	
	FISHER	AQR-67638		NA											
		185		IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320													

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM: DTM - DRAINS - TURBINE PLANT MISCELLANEOUS

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3DTM*SOV64D	MN STM LINE DRAIN		ESB 00025	EM	Y	N	3G	N	SF	SD	*	35+		A	
	FISHER	AQR-67638		NA											
		185		IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320													

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EGA - GENERATOR,STANDBY-AIR COMPR-DIESEL STARTING AIR

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV MTG / RRS REF / CODES	LOADS: SEIS / DYN.	LOADS: OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS / TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
SWEC EQUIPMENT												
EFV - VALVE,EXCESS FLOW												
3EGA*EFV29A	START AIR EXCESS FLOW	241	EGE 00024		TECH.REQUIRENTS-EXHIBIT II,DTD 10/15/75						D	Y
3EGA*EFV29B	START AIR EXCESS FLOW	241	EGE 00024								D	Y
3EGA*EFV35A1	COMP INST EXCESS AIR	241	EGE 00027								D	Y
3EGA*EFV35A2	COMP INST EXCESS AIR	241	EGE 00027								D	Y
3EGA*EFV35B1	COMP INST EXCESS AIR	241	EGE 00027								D	Y
3EGA*EFV35B2	COMP INST EXCESS AIR	241	EGE 00027								D	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM EGA - GENERATOR,STANDBY-AIR COMPR-DIESEL STARTING AIR

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG RRS REF CODES	LOADS: SEIS DYN.	OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
EJ - JOINT, EXPANSION														
3EGA*EJ2A	EXPANSION JOINT	241	EGE 00027										D	Y
3EGA*EJ2B	EXPANSION JOINT	241	EGE 00027										D	Y
FLT - FILTER														
3EGA*FLT1B	FILTER	241	EGE 00027										D	Y
3EGA*FLT2B	FILTER	241	EGE 00027										D	Y
3EGA*FLT3B	FILTER	241	EGE 00027										D	Y
3EGA*FLT3D	FILTER	241	EGE 00027										D	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EGA - GENERATOR,STANDBY-AIR COMPR-DIESEL STARTING AIR

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS / OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	NAT FREQS: TEST FREQ	NAT FREQS: DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3EGA-FLT1A	GLOBE VLV	241	EGE 00027											D	Y
3EGA-FLT2A	FILTER	241	EGE 00027											D	Y
3EGA-FLT3B	FILTER	241	EGE											D	Y
3EGA-FLT3C	FILTER	241	EGE 00027											D	Y
RV - VALVE,RELIEF															
3EGA*RV20A1	AIR COMPRESSOR RLF	241	EGE 00028											D	Y
3EGA*RV20A2	AIR COMPRESSOR RLF	241	EGE 00028											D	Y
3EGA*RV20B1	AIR COMPRESSOR	241	EGE 00028											D	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EGA - GENERATOR,STANDBY-AIR COMPR-DIESEL STARTING AIR

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	LOCATION: HTG / RRS REF / CODES	LOADS: SEIS / OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3EGA*RV208Z	AIR COMPRESSOR	241	EGE 00028										D	Y
3EGA*RV24A1	AIR RECEIVER TK	241	EGE 00035										D	Y
3EGA*RV24A2	AIR RECEIVER TK	241	EGE 00036										D	Y
3EGA*RV24B1	AIR RECEIVER TK	241	EGE 00036										D	Y
3EGA*RV24B2	AIR RECEIVER TK	241	EGE 00036										D	Y

SOV - VALVE,SOLENOID

3EGA*SOV25A	SHUTDOWN	241	EGE 00037										D	Y
3EGA*SOV25B	SHUTDOWN	241	EGE 00037										D	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EGA - GENERATOR,STANDBY-AIR COMPR-DIESEL STARTING AIR

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3EGA*SOV26A	AIR START	241	EGE 00037												D	Y
3EGA*SOV26B	AIR START	241	EGE 00037												D	Y
3EGA*SOV27A	AIR START	241	EGE 00037												D	Y
3EGA*SOV27B	AIR START	241	EGE 00037												D	Y

STR - STRAINER,PERMANENT

3EGA*STR1A	STRAINER	241	EGE 00027												D	Y
3EGA*STR1B	STRAINER	241	EGE 00027												D	Y
3EGA*STR2B	STRAINER	241	EGE 00027												D	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EGA - GENERATOR,STANDBY-AIR COMPR-DIESEL STARTING AIR

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG RRS REF CODES	SEIS OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	ANLYS	QUAL METH: TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3EGA-STR1A	STRAINER	241	EGE 00027										D	Y
3EGA-STR1B	STRAINER	241	EGE 00027										D	Y
TK - TANK														
3EGA*TK1A	SUPPLIED BY VENDOR	241	EGE 00027										D	Y
3EGA*TK1B	TANK	241	EGE 00027										D	Y
3EGA*TK2A	SUPPLIED BY VENDOR	241	EGE 00027										D	Y
3EGA*TK2B	TANK	241	EGE 00027										D	Y
3EGA*TK3A	AIR TANK	241	EGE 00027										D	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM EGA - GENERATOR,STANDBY-AIR COMPR-DIESEL STARTING AIR

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	LOADS: SEIS / OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	NAT FREQS: TEST FREQ	F/B DIR	S/S	VERT	STATUS: SQ	INS
3EGA*TK3B	AIR TANK	241	EGE 00027										D	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EGD - GENERATOR,STANDBY-COMBUSTION AIR DAMPER CONTROL

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV MTG / RRS REF / CODES	LOADS: SEIS OTHER REQ'D / DYN. INPUT (ZPA)	QUAL METH: ANLYS TEST TEST / FREQ DIR	NAT FREQS: F/B S/S VERT	STATUS: SQ INS
SWEC EQUIPMENT							
P - PUMP							
3EGD*P1A	EMER GEN CRANKCA VAC PP	241	EGE 00035				D Y
3EGD*P1B	EMER GEN CRANKCA VAC P	241	EGE 00035				D Y
SIL - SILENCER (INLET OR EXHAUST)							
3EGD*SIL1A	SILENCER	241	EGE 00042				D Y
3EGD*SIL1B	SILENCER	241	EGE 00042				D Y
3EGD*SIL2A	SILENCER	241	EGE 00042				D Y

REPORT NO. HSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EGD - GENERATOR,STANDBY-COMBUSTION AIR DAMPER CONTROL

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	LOADS: SEIS / OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS / TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3EGD*SIL2B	SILENCER	241	EGE 00042										D	Y
3EGD*SIL3A	SILENCER	241	EGE 00042										D	Y
3EGD*SIL3B	SILENCER	241	EGE 000[illegible]										D	Y

SP - SEPARATOR

3EGD*SP1A	SEPARATOR	241	EGE 00035										D	Y
3EGD*SP1B	SEPARATOR	241	EGE 00035										D	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EGF - GENERATOR,STANDBY-FUEL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	SEIS / OTHER DYN.	REQ'D / INPUT (ZPA)	ANLYS	QUAL METH: TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SNEC EQUIPMENT														
TKS - SWITCH,TRANSFER														
3EGF*TRSFN1C		2404.01		IEEE 344			N	MF	MD	12.6	5.9	40+	D	
3EGF*TRSFN1D		2404.01		IEEE 344			N	MF	MD	12.6	5.9	40+	D	
TK - TANK														
3EGF*TK2A	EMER GEN F O DAY TANKS P X ENG 473-6	12179-IA-187 022	EGE 00037	CF NS(B)-069-REV.0B ASME SECT III,CL3	Y	N .32.15	S	SF	SD	33+	33+	33+	A	Y
3EGF*TK2B	EMER GEN F O DAY TANKS P X ENG 473-6	12179-IA-187 022	EGE 00037	CF NS(B)-069-REV.0B ASME SECT III,CL3	Y	N .32.15	S	SF	SD	33+	33+	33+	A	Y
TK - TANK														
3EGF*TK1A	EMER GEN F O STOR TANKS NAT ANNEAL NS-5991-II	12179-IA-282 031	EGE 00005	CF NS(B)-069-REV 0B ASME SECT.III,CL3	Y	Y .32.15	S	SF	SD	55+	55+	15.7	A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM EGF - GENERATOR,STANDBY-FUEL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3EGF*TK1B	EMER GEN F.O. STOR TANK	12179-IA-282	EGE	00005	CF / NS(B)-069-REV 0B	Y	Y	.32.15	S	SF	SD		55+	55+	15.7	A	Y
	NS-5991-II	031			ASME SECT.III,CL3												
P - PUMP																	
3EGF*P1A	EMER.GEN.FUEL OIL XFER.P		EGE	00016	EM / NS(B)-069 REV 0B	Y	N	.32.15	S	NA	NA			2.9	122	A	Y
	GOULDS PUMPS	ME 223			ASME III,CL3												
	VIT3X7 ALC-1	043															
	WESTINGHOUSE	3 H.P.															
3EGF*P1B	EMER.GEN.FUEL OIL XFER.P		EGE	00016	EM / NS(B)-069 REV 0B	Y	N	.32.15	S	NA	NA			2.9	122	A	Y
	GOULD PUMPS	ME 223			ASME III,CL3												
	VIT3X7 ALC-1	043															
	WESTINGHOUSE	3 H.P.															
3EGF*P1C	EMER.GEN.FUEL OIL XFER.P		EGE	00016	EM / NS(B)-069 REV0B	Y	N	.32.15	S	NA	NA			2.9	122	A	Y
	GOULDS PUMPS	ME 223			ASME III,CL3												
	VIT3X7 ALC-1	043															
	WESTINGHOUSE	3 H.P.															
3EGF*P1D	EMER.GEN.FUEL OIL XFER.P		EGE	00016	EM / NS(B)-069 REV0B	Y	N	.32.15	S	NA	NA			2.9	122	A	Y
	GOULDS PUMPS	ME 223			ASME III,CL3												
	VIT3X7 ALC-1	043															
	WESTINGHOUSE	3 H.P.															
P - PUMP																	
3EGF*P2A	EMER GEN AUX FUEL OIL PP		EG													D	
	COLT	241															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EGF - GENERATOR,STANDBY-FUEL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3EGF*P2B	EMER GEN AUX FUEL OIL PP COLT	241	EG												D	
TRS - SWITCH,TRANSFER																
3EGF*TRS1A	MANUAL XFR SW FOR 3EGF*P1C	2404.01 244	EGE	00025	IEEE 344				N	MF	MD	12.6	5.9	40+	D	Y
3EGF*TRS1B	MANUAL XFR SW FOR 3EGF*P1D	2404.01 244	EGE	00025	IEEE 344				N	MF	MD	12.6	5.9	40+	D	Y
LIS - LEVEL INDICATING SWITCH																
3EGF*LIS26A	FUEL OIL DAY TK LVL ITT BARTON 199/580A-1 ITT BARTON	R3-580A-9 377 199/581A-1	EGE	00040	RM NS(B)-069 REV 0B IEEE-323,344	Y	N	.55.15	N	MF	MD			42	A	Y
3EGF*LIS26B	FUEL OIL DAY TK LVL ITT BARTON 199/580A-1 ITT BARTON	R3-580A-9 377 199/581A-1	EGE	00040	RM NS(B)-069 REV 0B IEEE-323,344	Y	N	.55.15	N	MF	MD			42	A	Y
3EGF*LIS27A	FUEL OIL DAY TK LVL ITT BARTON 199/580A-1 ITT BARTON	R3-580A-9 377 199/581A-1	EGE	00040	RM NS(B)-069 REV 0B IEEE-323,344	Y	N	.55.15	N	MF	MD			42	A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EGF - GENERATOR,STANDBY-FUEL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3EGF*LIS27B	FUEL OIL DAY TK LVL ITT BARTON 199/580A-1 ITT BARTON	R3-580A-9 377 199/581A-1	EGE 00040	RM NS(B)-069 REV 0B IEEE-323,344	Y	N	.55.15	N	MF	MD			42	A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EGO - GENERATOR,STANDBY-LUBE OIL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV MTG / RRS REF / CODES	LOADS: SEIS OTHER REQ'D / DYN. / INPUT (ZPA)	QUAL METH: ANLYS TEST TEST / FREQ DIR	NAT FREQS: F/B S/S VERT	STATUS: SQ INS
SWEC EQUIPMENT							
FLT - FILTER							
3EGO*FLT1A	LUBE OIL FILTER	241	EGE 00027				D Y
3EGO*FLT1B	LUBE OIL FILTER	241	EGE 00027				D Y
3EGO*FLT2A	LUBE OIL FILTER	241	EGE 00027				D Y
3EGO*FLT2B	LUBE OIL FILTER	241	EGE 00027				D Y
H - HEATER							
3EGO*H1A	STANDBY LUBE OIL HEATER	241	EG 00027				D Y

REPORT NO. MSSQT1

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EGO - GENERATOR,STANDBY-LUBE OIL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	LOADS: SEIS / OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST / TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3EGO*H1B	STAND BY LUBE OIL HEATERR	241	EGE										D	Y
M - MOTOR,ELECTRIC														
3EGO*M1A	LUBE OIL FILTER PUMP MTR	241	EGE 00024										D	
3EGO*M1B	LUBE OIL FILTER PUMP MTR	241	EGE 00024										D	
3EGO*M2A	ROCKER ARM PRELUBE PUMP MTR	241	EGE 00024										D	
3EGO*M2B	ROCKER ARM PRELUBE PUMP MTR	241	EGE 00024										D	
P - PUMP														
3EGO-P1A	M-DRV ROCKER ARM PRELUBE	241	EGE 00027										D	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EGO - GENERATOR,STANDBY-LUBE OIL SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG / RRS REF / CODES	ELEV	MTG	LOADS SEIS / DYN.	OTHER REQ'D INPUT (ZPA)	QUAL METH ANLYS / TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3EGO-P1B	M-DRV ROCKER ARM PRELUBE	241	EGE 00027											D	Y
3EGO-P4A	PRE LUBE OIL AND FILTER PUMP	241	EGE 00027											D	Y
3EGO-P4B	PRE LUBE OIL AND FILTER PUMP	241	EGE 00027											D	Y
3EGO-P5A	MOIST MRE DETECTOR CIRC. PUMP	241	EGE 00027											D	Y
3EGO-P5B	MOISTURE DETECTOR CIRC. PUMP	241	EGE 00027											D	Y

PI - INDICATOR,PRESSURE

3EGO-PI32A	EMERG GEN DIESEL ENG L O HDR	241	EGE 00025											D	
3EGO-PI32B	EMERG GEN DIESEL ENG L O HDR	241	EGE 00025											D	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EGO - GENERATOR,STANDBY-LUBE OIL SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG ELEV MTG / RRS REF / CODES	LOADS SEIS OTHER DYN. / REQ'D INPUT (ZPA)	QUAL METH ANLYS TEST / TEST FREQ DIR	NAT FREQS F/B S/S VERT	STATUS SQ INS
3EGO*PS23A1	EMER.GEN.DIESEL ENG.L.O.HDR	241	EGE 00027				D Y
3EGO*PS23A2	EMER.GEN.DIESEL ENG.L.O.HDR	241	EGE 00027				D Y
3EGO*PS23A3	EMER.GEN.DIESEL ENG.L.O.HDR	241	EGE 00027				D Y
3EGO*PS23B1	EMER.GEN.DIESEL ENG.L.O.HDR	241	EGE 00027				D Y
3EGO*PS23B2	EMER.GEN.DIESEL ENG.L.O.HDR	241	EGE 00027				D Y
3EGO*PS23B3	EMER.GEN.DIESEL ENG.L.O.HDR	241	EGE 00027				D Y

PS - SWITCH,PRESSURE

STR - STRAINER,PERMANENT

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSJ SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM EGO - GENERATOR,STANDBY-LUBE OIL SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS DYN.	LOADS: OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3EGO*STR1A	LUBE OIL STRAINER	241	EGE 00027										D	Y
3EGO*STR1B	LUBE OIL STRAINER	241	EGE 00027										D	Y
TV - VALVE,TEMPERATURE														
3EGO*TV20A	L O HEAT EXCH TEMP CONT	241	EGE 00025										D	
3EGO*TV20B	LO HEAT EXCH TEMP CONTROL	241	EGE 00025										D	
V - VALVES (NON POWERED)														
3EGO*V006A	ANGLE VALVE	241	EGE 00027										D	Y

REPORT NO. MSSQT1

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EGS - GENERATOR,STANDBY-SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	LOCATION: MTG RRS REF / CODES	LOADS: SEIS / DYN.	LOADS: OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
SWEC EQUIPMENT														
PNL - PANEL														
3EGS*PNLA	EMERG GEN CONT PNL-FREESTANDNG	2404.01	EGE 00024	IEEE 344			N	MF	MD	12.6	5.9	40+	D	Y
3EGS*PNLB	EMERG GEN CONT PNL-FREESTANDNG	2404.01	EGE 00024	IEEE 344			N	MF	MD	12.6	5.9	40+	D	Y
AOV - VALVE,AIR OPERATED														
3EGS*AOV43A	ENG JACKT WTR CLR BY-PASS TEMP	241	EGE 00024										D	Y
3EGS*AOV43B	EMG GEN DIE ENG JAC WTR CLR IN	241	EGE 00024										D	Y
E - EXCHANGER,HEAT														
3EGS*E1A	HEAT EXCHANGER COLT	241	EGE 00024										D	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: JTONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EGS - GENERATOR,STANDBY-SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	LOADS: SEIS / OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3EGS*E1B	HEAT EXCHANGER COLT	241	EGE 00024										D	Y
3EGS*E2A	JACKET WATER HEATER	241	EGE 00024										D	Y
3EGS*E2B	JACKET WATER COOLER	241	EGE 00024										D	Y
3EGS*E4A	GOVERNOR LUBE OIL COOLER	241	EGE 00024										D	Y
3EGS*E4B	GOVERNOR LUBE OIL COOLER	241	EGE 00024										D	Y

EG - ENGINE GENERATOR

3EGS*EG-A	+15G-14U EMER GEN A COLT	2404.01 241	EGE 00024	IEEE 344		N	MF	MD	12.6	5.9	40+		D	
3EGS*EG-B	+15G-15U EMER GEN B COLT	2404.01 241	EGE 00024	IEEE 344		N	MF	MD	12.6	5.9	40+		D	

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EGS - GENERATOR,STANDBY-SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3EGS*EG1AN	EMERG GEN A NEUT CT & LEAD BOX	2404.01 241	EGE	00024	IEEE 344				N	MF	MD	12.6	5.9	40+	D	Y
3EGS*EG1APWR	EMERG GEN A PWR LEAD BOX	2404.01 241	EGE	00024	IEEE 344				N	MF	MD	12.6	5.9	40+	D	Y
3EGS*EG1BN	EMERG GEN B NEUT CT & LEAD BOX	2404.01 241	EGE	00024	IEEE 344				N	MF	MD	12.6	5.9	40+	D	Y
3EGS*EG1BPWR	EMERG GEN B PWR LEAD BOX	2404.01 241	EGE	00024	IEEE 344				N	MF	MD	12.6	5.9	40+	D	Y
H - HEATER																
3EGS*H1A	JACKET WATER HEATER COLT	241	EGE	00024											D	Y
3EGS*H1B	JACKET WATER HEATER COLT	241	EGE	00024											D	Y
3EGS*H2A	GENERATOR SPACE HEATER COLT	241	EGE	00027											D	

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DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EGS - GENERATOR,STANDBY-SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS DYN.	LOADS: OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3EGS*H2B	GENERATOR SPACE HEATER COLT	241	EGE 00027										D	

HOSE - HOSE, ALL TYPES

3EGS*HOSE1A	HOSE	241	EGE										D	Y
3EGS*HOSE1B	HOSE	241	EGE										D	Y
3EGS*HOSE2A	HOSE	241	EGE										D	Y
3EGS*HOSE2B	HOSE	241	EGE										D	Y
3EGS*HOSE3A	HOSE	241	EGE										D	Y
3EGS*HOSE3B	HOSE	241	EGE										D	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EGS - GENERATOR,STANDBY-SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV MTG / RRS REF / CODES	LOADS: SEIS / DYN. / OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS / TEST / TEST FREQ DIR	NAT FREQS: F/B / S/S / VERT	STATUS: SQ / INS
3EGS*HOSE4A	HOSE	241	EGE				D Y
3EGS*HOSE4B	HOSE	241	EGE				D Y
3EGS*HOSE5A	HOSE	241	EGE				D Y
3EGS*HOSE5B	HOSE	241	EGE				D Y
LS - SWITCH,LEVEL							
3EGS*LS34A	EMR GEN DSL FRSH WTR EXPN TK	241	EGE 00041				D Y
3EGS*LS34B	EMR GEN DSL FRSH WTR EXPN TK	241	EGE 00041				D Y
M - MOTOR,ELECTRIC							

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM EGS - GENERATOR,STANDBY-SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG RRS REF CODES	LOADS: SEIS DYN.	OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3EGS*M1A	STANDBY JACKET CLNT HTR COLT	241	EGE 00027										D	
3EGS*M1B	STANDBY JACKET CLNT HTR COLT	241	EGE 00027										D	
3EGS*M2A	BARRING DEVICE MTR COLT	241	EGE 00027										D	
3EGS*M2B	BARRING DEVICE MTR COLT	241	EGE 00027										D	
P - PUMP														
3EGS*P1A	ENGINE DRIVEN PUMP COLT	241	EGE 00024										D	Y
3EGS*P1B	ENGINE DRIVEN PUMP COLT	241	EGE 00024										D	Y
3EGS*P2A	JACKET WATER PUMP COLT	241	EGE 00024										D	Y

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EGS - GENERATOR,STANDBY-SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV MTG	RRS REF / CODES	LOADS: SEIS OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3EGS*P3A	INTERCOOLER WATER PUMP	241	EGE 00024									D	Y
3EGS-P2B	JACKET WATER PUMP	241	EGE 00024									D	Y
PNL - PANEL													
3EGS-PNL1A	EGEN DIST PNL (SKID MTD)	241	EGE 00024									D	Y
3EGS-PNL1B	EGEN DIST PNL (SKID MTD)	241	EGE 00024									D	Y
RO - ORIFICE,RESTRICTION													
3EGS-RO33A	EMR GEN DSL ENG JKT WTR CLR B	241	EGE 00024									D	
3EGS-RO33B	EMR GEN DSL ENG JKT WTR CLR B	241	EGE 00024									D	

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EGS - GENERATOR,STANDBY-SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS DYN.	LOADS: OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3EGS-R038B	ALTERNATOR BRG CLG WTR OUTLET	241	EGE 00024										D	
3EGS-R039A	INTER COOLER WTR PMP DISCH	241	EGE 00024										D	
3EGS-R039B	INTER COOLER WTR PMP DISCH	241	EGE 00025										D	
3EGS-R040A	EMR GN DSL ENG AR CL WT HX BY	241	EGE 00024										D	
3EGS-R040B	EMR GN DSL ENG AR CL WT HX BY	241	EGE 00024										D	

STR - STRAINER,PERMANENT

3EGS*SRTRBOXA	STARTER BOX ASSY COLT	241	EGE 00024										D	Y
3EGS*SRTRBOXB	STARTER BOX ASSY COLT	241	EGE 00024										D	Y

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM EGS - GENERATOR,STANDBY-SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG RRS REF CODES	LOADS: SEIS OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
TCV - VALVE,CONTROL,TEMPERATURE,SELF ACTUATED													
3EGS*TCV44A	ENG AIR CLR WTR HT EXC	241	EGE 00025									D	
3EGS*TCV44B	ENG AIR CLR WTR HT EXC	241	EGE 00025									D	
3EGS-TCV44B	ENG GN DSL ENG ARCL WT HX BY	241	EGE 00024									D	Y
TK - TANK													
3EGS*TK1A	EXPANSION TANK COLT	241	EGE 00041									D	Y
TS - SWITCH,TEMPERATURE													
3EGS-TS28A	JACKET DIS ENG	241	EGE 00027									D	

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM EGS - GENERATOR,STANDBY-SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	LOADS: SEIS / OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3EGS-TS28B	JACKET WTR DISCH FROM ENGINE		EGE 00027										D	
		241												
TT - TRANSMITTER,TEMPERATURE														
3EGS-TT43A	EMG ENG JAC WTR CLR-INLET		EGE 00025										D	Y
		241												
3EGS-TT43B	EMG ENG JAC WTR CLR-INLET		EGE 00025										D	Y
		241												

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EHS - MOTOR CONTROL CENTER-STANDBY-SYSTEM

SWEC EQUIPMENT

MCC - MOTOR CONTROL CENTER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3EHS*MCC1A1	480V MCC1A1 (EMERG)	EMER GEN	EGE	00024	CF	Y	N	.32.15	N	MF	MD		5.6	5.2	10.0	A	Y
	GOULD INC	SC-391,REV.2			NS(B)-069,REV.0B												
		244			IEEE 344												
	GOULD	480V MCC															
3EHS*MCC1A2	480V MCC 1A2 (EMERG)	CONT BLDG	CB	00004	CF	Y	N	.25.15	N	MF	MD		5.6	5.2	10.0	A	Y
	GOULD INC	SC-391,REV.2			NS(B)-017,REV.1B												
		244			IEEE 344												
	GOULD	480V MCC															
3EHS*MCC1A4	480V MCC 1A4 (EMERG)	SAFE AREA	FSB	00036	CF	Y	N	.32.13	N	MF	MD		5.6	5.2	10.0	A	Y
	GOULD INC	SC-391,REV.2			NS(B)-010,REV.0B												
		244			IEEE 344												
	GOULD	480V MCC															
3EHS*MCC1A5	480V MCC 1A5 (EMERG)	CW PP HSE	CSP	00014	CF	Y	N	.40.16	N	MF	MD		5.6	5.2	10.0	A	Y
	GOULD INC	SC-391,REV.2			NS(B)-044,REV.2B												
		244			IEEE 344												
	COULD	480V MCC															
3EHS*MCC1B1	480V MCC1B1 (EMERG)	EMER GEN	EGE	00024	CF	Y	N	.32.15	N	MF	MD		5.6	5.2	10.0	A	Y
	GOULD INC	SC-391,REV.2			NS(B)-069,REV.0B												
		244			IEEE 344												
	GOULD	480V MCC															
3EHS*MCC1B2	480V MCC 1B2 (EMERG)	CONT BLDG	CB	00004	CF	Y	N	.25.15	N	MF	MD		5.6	5.2	10.0	A	Y
	GOULD INC	SC-391,REV.2			NS(B)-017,REV.1B												
		244			IEEE 344												
	GOULD	480V MCC															

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EHS - MOTOR CONTROL CENTER-STANDBY-SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3EHS*MCC1B3	480V MCC 1B3 (EMERG)	SAFE AREA	ESB	00036	CF	Y	N	.32.13	N	MF	MD	5.6	5.2	10.0	A	Y
	GOULD INC	SC-391,REV.2			NS(B)-010,REV.0B											
		244			IEEE 344											
	GOULD	480V MCC														
3EHS*MCC1B4	480VMCC 1B4 (EMERG)	SAFE AREA	ESB	00036	CF	Y	N	.32.13	N	MF	MD	5.6	5.2	10.0	A	Y
	GOULD INC	SC-391,REV.2			NS(B)-010,REV.0B											
		244			IEEE 344											
	GOULD	480V MCC														
3EHS*MCC1B5	480V MCC 1B5 (EMERG)	CW PP HSE	CSP	00014	CF	Y	N	.40.16	N	MF	MD	5.6	5.2	10.0	A	Y
	GOULD INC	SC-391,REV.2			NS(B)-044,REV.2B											
		244			IEEE 344											
	GOULD	480V MCC														
3EHS*MCC3A1	480V MCC 3A1 (EMERG)	AUX BLDG	MRC	00024	CF	Y	N	.27.16	N	MF	MD	5.6	5.2	10.0	A	Y
	GOULD INC	SC-391,REV.2			NS(B)-007,REV.0B											
		244			IEEE 344											
	GOULD	480V MCC														
3EHS*MCC3A2	480V MCC 3A2 (EMERG)	ROD CONT	MRC	00024	CF	Y	N	.25.15							A	Y
	GOULD INC	SC-391,REV 2			NS(B)-017,REV 1B											
		244			IEEE 344											
	GOULD	480V MCC														
3EHS*MCC3B1	480V MCC 3B1 (EMERG)	AUX BLDG	MRC	00024	CF	Y	N	.27.16	N	MF	MD	5.6	5.2	10.0	A	Y
	GOULD INC	SC-391,REV.2			NS(B)-007,REV.0B											
		244			IEEE 344											
	GOULD	480V MCC														
3EHS*MCC3B2	480V MCC 3B2 (EMERG)	ROD CONT	MRC	00024	CF	Y	N	.27.16	N	MF	MD	5.6	5.2	10.0	A	Y
	GOULD INC	SC-391,REV.2			NS(B)-007,REV.0B											
		244			IEEE 344											
	GOULD	480V MCC														

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PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EJS - UNIT SUBSTATION-STANDBY-SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
SWEC EQUIPMENT																	
US - UNIT SUBSTATION																	
3EJS*US-1A	480V EMERG UNIT SUBSTA BUS 32T		CB	00004	CF	Y	N	.25.15	N	MF	MD		NA	NA	NA	A	Y
	GOULD-BROWN BOVERI	33-49988-SS-1			NS(B)-017,REV.1B												
		243			IEEE 344												
	BROWN BOVERI	480V LOAD CENTER															
3EJS*US-1B	480V EMERG UNIT SUBSTA BUS 32U		CB	00004	CF	Y	N	.25.15	N	MF	MD		NA	NA	NA	A	Y
	GOULD-BROWN BOVERI	33-49988-SS-1			NS(B)-017,REV.1B												
		243			IEEE 344												
	BROWN BOVERI	480V LOAD CENTER															
3EJS*US-2A	480V EMERG UNIT SUBSTA BUS 32S		MRC	0024	CF	Y	N	.27.16	N	MF	MD		NA	NA	NA	A	Y
	GOULD-BROWN BOVERI	33-49988-SS-1			NS(B)-007,REV.0B												
		243			IEEE 344												
	BROWN BOVERI	480V LOAD CENTER															
3EJS*US-2B	480V EMERG UNIT SUBSTA BUS 32V		MRC	0024	CF	Y	N	.27.16	N	MF	MD		NA	NA	NA	A	Y
	GOULD-BROWN BOVERI	33-49988-SS-1			NS(B)-007,REV.0B												
		243			IEEE 344												
	BROWN BOVERI	480V LOAD CENTER															
3EJS*US-3A	480V EMERG UNIT SUBSTA BUS 32R		MRC	0024	CF	Y	N	.27.16	N	MF	MD		NA	NA	NA	A	Y
	GOULD-BROWN BOVERI	33-49988-SS-1			NS(B)-007,REV.0B												
		243			IEEE 344												
	BOWWN BOVERI	480V LOAD CENTER															
3EJS*US-3B	480V EMERG UNIT SUBSTA BUS 32W		MRC	0024	CF	Y	N	.27.16	N	MF	MD		NA	NA	NA	A	Y
	GOULD-BROWN BOVERI	33-49988-SS-1			NS(B)-007,REV.0B												
		243			IEEE 344												
	BROWN BOVERI	480V LOAD CENTER															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EJS - UNIT SUBSTATION-STANDBY-SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS / OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3EJS*US-4A	480V EMERG UNIT SUBSTA BUS 32Y		MRC 00024	CF	Y	N .27.16	N	MF	MD	5.5	8.5	NA	A	Y
	GOULD-BROWN BOVERI	33-49988-SS,ADD.1		NS(B)-007,REV.0B										
		243		IEEE 344										
	BROWN BOVERI	480V LOAD CENTER												
3EJS*US-4B	480V EMERG UNIT SUBSTA BUS 32X		MRC 00024	CF	Y	N .27.16	N	MF	MD	5.5	8.5	NA	A	Y
	GOULD BROWN BOVERI	33-49988-SS,ADD.1		NS(B)-007,REV.0B										
		243		IEEE 344										
	BROWN BOVERI	480 LOAD CENTER												
X - TRANSFORMER														
3EJS*X-1A	1000 KVA XFMR		MRC 00004	CF	Y	N .25.15	N	MF	MD	NA	NA	NA	A	Y
	BROWN BOVERI	33-49988-SS-1		NS(B)-017,REV.1B										
		243		IEEE 344										
	BROWN BOVERI	VU-9												
3EJS*X-1B	1000 KVA XFMR		MRC 00004	CF	Y	N .25.15	N	MF	MD	NA	NA	NA	A	Y
	BROWN BOVERI	33-49988-SS-1		NS(B)-017,REV.1B										
		243		IEEE 344										
	BROWN BOVERI	VU-9												
3EJS*X-2A	1000 KVA XFMR		MRC 00024	CF	Y	N .27.16	N	MF	MD	NA	NA	NA	A	
	BROWN BOVERI	33-49988-SS-1		NS(B)-007,REV.0B										
		243		IEEE 344										
	BROWN BOVERI	VU-9												
3EJS*X-2B	1000 KVA XFMR		MRC 00024	CF	Y	N .27.16	N	MF	MD	NA	NA	NA	A	
	BROWN BOVERI	33-49988-SS-1		NS(B)-007,REV.0B										
		243		IEEE 344										
	BROWN BOVERI	VU-9												
3EJS*X-3A	1000 KVA XFMR		MRC 00024	CF	Y	N .27.16	N	MF	MD	NA	NA	NA	A	Y
	BROWN BOVERI	33-49988-SS-1		NS(B)-007,REV.0B										
		243		IEEE 344										
	BROWN BOVERI	VU-9												

REPORT NO. MSSQ71

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM EJS - UNIT SUBSTATION-STANDBY-SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3EJS*X-3B	1000 KVA XFMR		MRC	00024	CF	Y	N	.27.16	N	MF	MD		NA	NA	NA	A	Y
	BROWN BOVERI	33-49988-SS-1			NS(B)-007,REV.0B												
		243			IEEE 344												
	BROWN BOVERI	VU-9															
3EJS*X-4A	1000 KVA XFMR			00024	CF	Y	N	.27.16	N	MF	MD		5.5	8.5	NA	A	
	BROWN BOVERI	33-49988-SS,ADD.1			NS(B)-007,REV.0B												
		243			IEEE 344												
	BROWN BOVERI	VU-9															
3EJS*X-4B	1000 KVA XFMR			00024	CF	Y	N	.27.16	N	MF	MD		5.5	8.5	NA	A	
	BROWN BOVERI	33-49988-SS,ADD.1			NS(B)-007,REV.0B												
		243			IEEE 344												
	BROWN BOVERI	VU-9															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM ENS - SWGR,STANDBY,4160V-SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	SEIS	LOADS: OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	QUAL METH: TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT															
ACB - CIRCUIT BREAKER,AIR															
3ENS*ACB-GNA	4.16KV NEUTRAL GND BREAKER A		FGE 00024	CM	Y	N	.32.15	N	MF	MD	14	6	22	A	Y
	GE.CO.	73LSP-1		NS(B)-069 REV.0B											
	34C	010		IEEE 344											
	G.E.	4160V													
3ENS*ACB-GNB	4.16KV NEUTRAL GND BREAKER B		EGE 00024	CM	Y	N	.32.15	N	MF	MD	14	6	22	A	Y
	GE.CO.	73LSP-1		NS(B)-069 REV.0B											
	34D	010		IEEE 344											
	G.E.	4160V													
BD - BUS DUCT															
3ENS*BD-A	4.16KV BUS DUCT A			CM	Y	N	.25.15	SD	NA	NA		59		A	
	G.E. CO	76SED4		NS(B)-017 REV.1B											
	34C	010		IEEE 344											
	G.E.	4160 V													
3ENS*BD-B	4.16KV BUS DUCT B			CM	Y	N	.25.15	SD	NA	NA		59		A	
	G.E.CO.	76SED4		NS(B)-017 REV.1B											
	34D	010		IEEE 344											
	G.E.	4160V													
3ENS*BD-C	4.16KV BUS DUCT C			CM	Y	N	.25.15	SD	NA	NA		59		A	
	G.E CO.	76SED4		NS(B)-017 REV.1B											
	34A	010		IEEE 344											
	G.E.	4160V													

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM ENS - SWGR,STANDBY,4160V-SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	LOADS REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3ENS*BD-D	4.16KV BUS DUCT D				CM	Y	N	.25.15	SD	NA	NA			59	A	
	G.E.CO.	76SED4			NS(B)-017 REV.1B											
	34B	010			IEEE 344											
	G.E.	4160V														
RES - RESISTOR																
3ENS*RES-GNA	4.16KV NEUTRAL GND RESISTOR A		EGE	00024	CM	Y	N	.32.15	N	MF	MD	14	6	22	A	Y
	GE.CO.	73LSP-1			NS(B)-017 REV.1B											
	34C	010			IEEE 344											
	G.E.	4160V														
3ENS*RES-GNB	4.16KV NEUTRAL GND RESISTOR B		EGE	00024	CM	Y	N	.32.15	N	MF	MD	14	6	22	A	Y
	GE.CO.	73LSP-1			NS(B)-017 REV.1B											
	34D	010			IEEE 344											
	G.E.	4160V														
SWG - SWITCHGEAR																
3ENS*SWG-A	4.16KV EMERGENCY SWGR BUS 34C		CB	00004	CM	Y	N	.25.15	N	MF	MD	6.5	4.8	17.2	A	Y
	GE.CO.	43581-1			NS(B)-069 REV.0B											
	34C	010			IEEE 344											
	G.E.	4160V														
3ENS*SWG-B	4.16KV EMERGENCY SWGR BUS 34D		CB	00004	CM	Y	N	.25.15	N	MF	MD	6.5	4.8	17.2	A	Y
	GE.CO.	43581-1			NS(B)-069 REV.0B											
	34D	010			IEEE 344											
	G.E.	4160V														
TB - TEMPRATURE BISTABLES																
3ENS*TB-A	4.16KV EMERGENCY SWGR A SUP TB		CB	0004	CM	Y	N	.25.15	SD	NA	NA			59	A	Y
	GE.CO.	76SED4			NS(B)-069 REV.0B											
	34C	010			IEEE 344											
	G.E.	4160V														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM ENS - SWGR,STANDBY,4160V-SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	SEIS	LOADS: OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3ENS*TB-B	4.16KV EMERGENCY SWGR B SUP TB		CB	00004	CH	Y	N	.25.15	SD	NA	NA			59		A	Y
	GE.CO.	76SED4			NS(B)-069 REV.0B												
	34D	010			IEEE 344												
	G.E.	4160V															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FPW - FIRE PROTECTION - WATER

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
SNEC EQUIPMENT																
CTV - VALVE,CONTAINMENT,TRIP																
3FPW*CTV48	CONT FIRE PROT WTR ISOL		AB	00022	DM	Y	N	3G	S	NA	NA		33+		A	
	FISHER	9H4-87-01			NA											
	9210	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
3FPW*CTV49	CONT FIRE PROT WTR ISOL		CS	00021	DM	Y	N	3G	S	NA	NA		33+		A	
	FISHER	9H487-02			NA											
	9210	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
SOV - VALVE,SOLENOID																
3FPW*SOV48	CONT FIRE PROT WTR ISOL		AB	00022	EM	Y	N	3G	N	SF	SD		35+		A	
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3FPW*SOV49	CONT FIRE PROT WTR ISOL		CS	00021	EM	Y	N	3G	N	SF	SD		35+		A	
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														

REPORT NO. NSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF / CODES	SEIS DYN.	OTHER REQ'D INPUT (ZPA)	LOADS: ANLYS	TEST FREQ	TEST DIR	QUAL METH: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT															
TK - TANK															
3FWA*TK1	DEMIN WATER STOR TANK		OY	00024	CF	N	Y .34.24	S	SF	MU	NA	NA	NA	A	
	RICHMOND	12179-IE-526			FSAR FIG.3.7B-1&2										
	D74413-14	023			ASME SECT III,CL3										
P - PUMP															
3FWA*P1A	MTR.DRVN.SG AUX.FDPP		ESB	00021	DM	Y	N .32.13	S*	NA	NA	20+	20+	20+	A	Y
	GE.CO.	ME 590			NS(B)-010 REV 0B										
	MSD	041			ASME III,CL3										
	G.E.	HORIZONTAL 8210S													
3FWA*P1B	MTR.DRVN.SG AUX.FDPP		ESB	00021	DM	Y	N .32.13	S*	NA	NA	20+	20+	20+	A	Y
	GE.CO.	ME 590			NS(B)-010 REV 0B										
	MSD	041			ASME III,CL3										
	G.E.	HORIZONTAL 8210S													
3FWA*P2	TURB DRIVEN AUX FD WTR PUMP		ESB	00021	DM	Y	N .32.13	SD	NA	NA		20+		A	
	BINGHAM-WILLA	ME 591			NS(B)-010 REV 0B										
	MSD-D	041			ASME III,CL3										
T - TURBINE															
3FWA*T1	SG AUX FW PUMP TURB		ESB	00024	DM	Y	N .32.13	S	NA	NA		100		A	
		20,030			NS(B)-010 REV 0B										
	TYPE GS	041			API STD-612										

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS DYN.	LOADS: OTHER	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
MOV - VALVE,MOTOR OPERATED																
3FWA*MOV35A	SG AUX FDWTR ISOL		ESB	00021	DM	Y	N	3G	S	NA	NA		33+		A	Y
	WALWORTH	229 REV 1			NA											
	N5247 PSB	161			ASME III,CL2											
	LIMITORQUE OPERATOR	SMB-000-														
3FWA*MOV35B	SG AUX FDWTR ISOL		ESB	00021	DM	Y	N	3G	S	NA	NA		33+		A	Y
	WALWORTH	229 REV 1			NA											
	N5247 PSB	161			ASME III,CL2											
	LIMITORQUE OPERATOR	SMB-000-														
3FWA*MOV35C	SG AUX FDWTR ISOL		ESB	00021	DM	Y	N	3G	S	NA	NA		33+		A	Y
	WALWORTH	229 REV 1			NA											
	N5247 PSB	161			ASME III,CL2											
	LIMITORQUE OPERATOR	SMB-000-														
3FWA*MOV35D	SG AUX FDWTR ISOL		ESB	00021	DM	Y	N	3G	S	NA	NA		33+		A	Y
	WALWORTH	229 REV 1			NA											
	N5247 PSB	161			ASME III,CL2											
	LIMITORQUE OPERATOR	SMB-000-														
AOV - VALVE,AIR OPERATED																
3FWA*AOV23A	SG AUX FDWTR PMP ALT SUCT		ESB	00021	DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	8K025-01			NA											
	9210	185			ASME III,CL 3											
	NAMCO LIMIT SWITCH	EA 170														
3FWA*AOV23B	SG AUX FDWTR PMP ALT SUCT		ESB	00021	DM	Y	N	3G	S	NA	NA		35+		A	Y
	FISHER	8K025-02			NA											
	9210	185			ASME III,CL 3											
	NAMCO LIMIT SWITCH	EA 170														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: HTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3FWA*AOV25	DWST HTR CIRC LINE ISOL		OY	00026	DM	Y	N	3G	S	NA	NA			33+	A	Y
	FISHER	FQP-22-4			NA											
	667NS-ES	185			ASME III,CL 3											
	NAMCO LIMIT SWITCH	EA 170														
3FWA*AOV26	DWST HTR CIRC LINE ISOL		OY	00026	DM	Y	N	3G	S	NA	NA			33+	A	Y
	FISHER	FQP-22-4			NA											
	667NS-ES	185			ASME III,CL 3											
	NAMCO LIMIT SWITCH	EA 170														
3FWA*AOV37	SG AUX FDWTR ALT SUCT		ESB	00021	DM	Y	N	3G	S	NA	NA			33+	A	Y
		8K025-03			NA											
	9210	185			ASME III,CL2											
3FWA*AOV61A	DWST TO P1A&B ISO VLVS		ESF												D	
	*	185			ASME III,CL2											
3FWA*AOV61B	DWST TO P1A&B ISO VLVS		ESF												D	
	*	185			ASME III,CL2											

SOV - VALVE,SOLENOID

3FWA*SOV23A	SG AUX FDWTR PMP ALT SUCT		ESB	00021	DM	Y	N	3G	N	SF	SD			35+	A	
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3FWA*SOV23B	SG AUX FDWTR PMP ALT SUCT		ESB	00021	DM	Y	N	3G	N	SF	SD			35+	A	
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														

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PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWA*SOV25	DWST HTR CIRC LINE ISOL		OY		DM	Y	N	3G	N	SF	SD		*	35+		A	
	FISHER	AQR-67638			NA												
		185			IEEE 323,344,382												
	ASCO SOLENOID	NPK 8320															
3FWA*SOV26	DWST HTR CIRC LINE ISOL		OY		DM	Y	N	3G								A	
	FISHER				NA												
		185			IEEE 323,344,382												
	ASCO SOLENOID	NPK 8320															
RV - VALVE,RELIEF																	
3FWA*RV45	TURB DR PMP RELF		ESB	00027	DM	Y	N	3G	S	SF	SD			33+		A	
		407487-REV.5			NA												
	DV-70H	186			ASME III,CL3												
FI - INDICATOR,FLOW																	
3FWA*FI33B1	AUX FW FLOW		CB			Y	N									C	
		AAJ-107			NS(B)-017 REV 1B												
		245			IEEE-344,322												
3FWA*FI33C1	AUX FW FLOW		CB			Y	N									C	
		AAJ-107			NS(B)-017 REV 1B												
		245			IEEE-344,322												
3FWA*FI51A1	AUX FW FLOW		CB		CM			.40.15	N	MF	MD		NA	NA	NA		
		SQP-99X2087-A															
	INT'L INST 1151VB	245			IEEE 344 & NUREG 0800												

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: HTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3FWA*FI51D1	AUX FW FLOW		CB		CM			.40.15	N	MF	MD	NA	NA	NA		
	INT'L INST 1151VB	SQP-99X2087-A 245			IEEE 344 & NUREG 0800											
FI - INDICATOR,FLOW																
3FWA*FI33B2	AUX FW FLOW		CB		CM	Y	N	.40.15	N	MF	MD	NA	NA	NA	A	
	INT'L INST 1151VB	15880,REV 2 246			NS(B)-017 REV 1B IEEE 323											
3FWA*FI33C2	AUX FW FLOW		CB		CM	Y	N	.40.15	N	MF	MD	NA	NA	NA	A	
	INT'L INST 1151VB	15880,REV 2 246			NS(B)-017 REV 1B IEEE 323											
3FWA*FI51A2	AUX FDWTR TRIP CONTROL		CB		CM	Y	N	.40.15	N	MF	MD	NA	NA	NA	A	
	INT'L INST 1151VB	15880,REV 2 246			NS(B)-017 REV 1B IEEE 323											
3FWA*FI51D2	AUX FW FLOW		CB		CM	Y	N	.40.15	N	MF	MD	NA	NA	NA	A	
	INT'L INST 1151VB	15880,REV 2 246			NS(B)-017 REV 1B IEEE 323											
FY - RELAY,COMPUTING,SELECTING OR BOOSTER																
3FWA*FY33A1	AUX FW FLOW		CB		M	Y	N	.40.15	N	MF	MD	NA	NA	NA	C	
	FOXBORO N-2AI-I2V I/E CONVERTER	QOAAB35 392 N-2AI-I2V			NS(B)-017 REV 1B IEEE 344,323											

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PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWA*FY33A2	AUX FW FLOW FOXBORO N-2AO-V2I E/I CONVERTER	 QOAAB50 392 N-2AO+V2I	CB		 NS(B)-017 REV 1B IEEE 344,323	Y	N	.40.15	N	MF	MD		NA	NA	NA	C	
3FWA*FY33B1	AUX FW FLOW FOXBORO N-2AI-P2V I/E CONVERTER	 QOAAB50 392 N-2AI-I2V	CB		 NS(B)-017 REV 1B IEEE 344,323	Y	N	.40.15	N	MF	MD		NA	NA	NA	C	
3FWA*FY33B2	AUX FW FLOW FOXBORO N-2AO-V2I E/I CONVERTER	 QOAAB50 392 N-2AO+V2I	CB		 NS(B)-017 REV 1B IEEE 344,323	Y	N	.40.15	N	MF	MD		NA	NA	NA	C	
3FWA*FY33C1	AUX FW FLOW FOXBORO N-2AI-P2V I/E CONVERTER	 QOAAB35 392 N-2AI-I2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N	.40.15	N	MF	MD		NA	NA	NA	C	
3FWA*FY33C2	AUX FW FLOW FOXBORO N-2AO-V2I E/I CONVERTER	 QOAAB50 392 N-2AO+V2I	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N	.40.15	N	MF	MD		NA	NA	NA	C	
3FWA*FY33D1	AUX FW FLOW FOXBORO N-2AI-P2V I/E CONVERTER	 QOAAB35 392 N-2AI-I2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N	.40.15	N	MF	MD		NA	NA	NA	C	
3FWA*FY33D2	AUX FW FLOW FOXBORO N-2AI-P2V E/I CONVERTER	 QOAAB50 392 N-2AO+V2I	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N	.40.15	N	MF	MD		NA	NA	NA	C	

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	QUAL METH: TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWA*FY51A1	AUX FW FLOW FOXBORO N-2A1-P2V I/E CONVERTER	QOAAB35 392 N-2AI-I2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N	.40.15	N	HF	MD	NA	NA	NA	C	
3FWA*FY51A2	AUX FW FLOW FOXBORO N-2AO-V2I E/I CONVERTER	QOAAB50 392 N-2AO+V2I	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N	.40.15	N	HF	MD	NA	NA	NA	C	
3FWA*FY51B1	AUX FW FLOW FOXBORO N-2AI-P2V I/E CONVERTER	QOAAB35 392 N-2AI-I2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N	.40.15	N	HF	MD	NA	NA	NA	C	
3FWA*FY51B2	AUX FW FLOW FOXBORO N-2AO-V2I E/I CONVERTER	QOAAB50 392 N-2AO+V2I	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N	.40.15	N	HF	MD	NA	NA	NA	C	
3FWA*FY51C1	AUX FW FLOW FOXBORO N-2AO-P2V I/E CONVERTER	QOAAB35 392 N-2AI-I2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N	.40.15	N	HF	MD	NA	NA	NA	C	
3FWA*FY51C2	AUX FW FLOW FOXBORO N-2AO-V2I E/I CONVERTER	QOAAB50 392 N-2AO+V2I	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N	.40.15	N	HF	MD	NA	NA	NA	C	
3FWA*FY51D1	AUX FW FLOW FOXBORO N-2AI-I2V R/E CONVERTER	QOAAB35 392 N-2AI-I2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N	.40.15	N	HF	MD	NA	NA	NA	D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWA*FY51D2	AUX FW FLOW FOXBORO N-2AO-V2I E/I CONVERTER	 QOAAB50 392 N-2AO+V2I	CB		RM NS(B)-017 REV 13 IEEE 344,323	Y	N	.40.15	N	MF	MD		NA	NA	NA	C	
HIC - CONTROLLER,INDICATING,HAND																	
3FWA*HIC31A1	AUX FW CONTROL FOXBORO N-255HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010-REV 0B IEEE 344,323	Y	N	.40.15	N	MF	MD		NA	NA	NA	A	
3FWA*HIC31A2	AUX FW CONTROL FOXBORO N-255HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010-REV 0B IEEE 344,323	Y	N	.40.15	N	MF	MD		NA	NA	NA	D	
3FWA*HIC31B1	AUX FW CONTROL FOXBORO N-255HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010-REV 0B IEEE 344,323	Y	N	.40.15	N	MF	MD		NA	NA	NA	D	
3FWA*HIC31B2	AUX FW CONTROL FOXBORO N-255HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010-REV 0B IEEE 344,323	Y	N	.40.15	N	MF	MD		NA	NA	NA	D	
3FWA*HIC31C1	AUX FW CONTROL FOXBORO N-225HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010 REV 0B IEEE 344,323	Y	N		N	MF	MD		NA	NA	NA	A	
3FWA*HIC31C2	AUX FW CONTROL FOXBORO N-225HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010 REV 0B IEEE 344,323	Y	N		N	MF	MD		NA	NA	NA	D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS DYN.	LOADS: OTHER	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3FWA*HIC31D1	AUX FW CONTROL FOXBORO N-225HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010 REV 0B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	D	
3FWA*HIC31D2	AUX FW CONTROL FOXBORO N-225HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010 REV 0B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	D	
3FWA*HIC32A1	AUX FW CONTROL FOXBORO N-225HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010 REV 0B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	D	
3FWA*HIC32A2	AUX FW CONTROL FOXBORO N-225HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010 REV 0B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	D	
3FWA*HIC32B1	AUX FW CONTROL FOXBORO N-255HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010 REV 0B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	D	
3FWA*HIC32B2	AUX FW CONTROL FOXBORO N-255HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010 REV 0B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	D	
3FWA*HIC32C1	AUX FW CONTROL FOXBORO N-255HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010 REV 0B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWA*HIC32C2	AUX FW CONTROL FOXBORO N-255HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010 REV 0B IEEE 344,323	Y	N		N	MF	MD		NA	NA	NA	D	
3FWA*HIC32C1	AUX FW CONTROL FOXBORO N-255HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010 REV 0B IEEE 344,323	Y	N		N	MF	MD		NA	NA	NA	D	
3FWA*HIC32D2	AUX FW CONTROL FOXBORO N-255HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010-REV 0B IEEE 344,323	Y	N		N	MF	MD		NA	NA	NA	D	
3FWA*HIC36A1	AUX FW CONTROL FOXBORO N-255HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010-REV 0B IEEE 344,323	Y	N		N	MF	MD		NA	NA	NA	D	
3FWA*HIC36A2	AUX FW CONTROL FOXBORO N-255HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010-REV 0B IEEE 344,323	Y	N		N	MF	MD		NA	NA	NA	D	
3FWA*HIC36B1	AUX FW CONTROL FOXBORO N-225HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010-REV 0B IEEE 344,323	Y	N		N	MF	MD		NA	NA	NA	D	
3FWA*HIC36B2	AUX FW CONTROL FOXBORO N-225HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010-REV 0B IEEE 344,323	Y	N		N	MF	MD		NA	NA	NA	D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ INS
3FWA*HIC36C1	AUX FW CONTROL FOXBORO N-225HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010-REV 0B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	D
3FWA*HIC36C2	AUX FW CONTROL FOXBORO N-255HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010,REV 0B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A
3FWA*HIC36D1	AUX FW CONTROL FOXBORO N-255HM-V MANUAL DISPL STATION	 QOAAB67 392 N-255HM-V	ESB		RM NS(B)-010,REV 0B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A
3FWA*HIC36D2	AUX FW CONTROL FOXBORO N-2AP+ALM-AR MANUAL DISPL STATION	 QOAAB33 392 N-255HM-V	CB		RM NS(B)-017 REV 0B IEEE 344	Y	N		N	MF	MD	NA	NA	NA	C
HS - SWITCH,HAND															
3FWA*HS31A1	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017,REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C
3FWA*HS31A2	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017,REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C
3FWA*HS31A3	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWA*HS31A4	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD		NA	NA	NA	C	
3FWA*HS31B1	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD		NA	NA	NA	C	
3FWA*HS31B2	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD		NA	NA	NA	C	
3FWA*HS31B3	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD		NA	NA	NA	C	
3FWA*HS31B4	AUX FW CONTROL FOXBORO SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD		NA	NA	NA	C	
3FWA*HS31C1	AUX FW CONTROL FOXBORO SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD		NA	NA	NA	C	
3FWA*HS31C2	AUX FW CONTROL FOXBORO SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD		NA	NA	NA	C	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWA*HS31C3	AUX FW CONTROL FOXBORO SIGNAL BISTABLES	QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,322	Y		N	N	MF	MD	NA	NA	NA	C	
3FWA*HS31C4	AUX FW CONTROL FOXBORO SIGNAL BISTABLES	QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y		N	N	MF	MD	NA	NA	NA	C	
3FWA*HS31D1	AUX FW CONTROL FOXBORO SIGNAL BISTABLES	QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y		N	N	MF	MD	NA	NA	NA	C	
3FWA*HS31D2	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y		N	N	MF	MD	NA	NA	NA	C	
3FWA*HS31D3	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y		N	N	MF	MD	NA	NA	NA	C	
3FWA*HS31D4	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y		N	N	MF	MD	NA	NA	NA	C	
3FWA*HS32A1	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y		N	N	MF	MD	NA	NA	NA	C	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWA*HS32A2	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
3FWA*HS32A3	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
3FWA*HS32A4	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
3FWA*HS32B1	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
3FWA*HS32B2	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
3FWA*HS32B3	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	D	
3FWA*HS32B4	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ INS
3FWA*HS32C1	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C
3FWA*HS32C2	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C
3FWA*HS32C3	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C
3FWA*HS32C4	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C
3FWA*HS32D1	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C
3FWA*HS32D2	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C
3FWA*HS32D3	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWA*HS32D4	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
3FWA*HS36A1	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
3FWA*HS36A2	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
3FWA*HS36A3	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
3FWA*HS36A4	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
3FWA*HS36B1	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
3FWA*HS36B2	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ INS
3FWA*HS36B3	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C
3FWA*HS36B4	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C
3FWA*HS36C1	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C
3FWA*HS36C2	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C
3FWA*HS36C3	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C
3FWA*HS36C4	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C
3FWA*HS36D1	AUX FW CONTROL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER / DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWA*HS36D2	AUX FW CONTROL		CB		RM	Y	N		N	MF	MD		NA	NA	NA	C	
	FOXBORO	QOAAB33			NS(B)-017 REV 1B												
	N-2AP+ALM-AR	392			IEEE 344,323												
	SIGNAL BISTABLES	N-2AP+ALM-AR															
3FWA*HS36D3	AUX FW CONTROL		CB		RM	Y	N		N	MF	MD		NA	NA	NA	C	
	FOXBORO	QOAAB33			NS(B)-017 REV 1B												
	N-2AP+ALM-AR	392			IEEE 344,323												
	SIGNAL BISTABLES	N-2AP+ALM-AR															
3FWA*HS36D4	AUX FW CONTROL		CB		RM	Y	N		N	MF	MD		NA	NA	NA	C	
	FOXBORO	QOAAB33			NS(B)-017 REV 1B												
	N-2AP+ALM-AR	392			IEEE 344,323												
	SIGNAL BISTABLES	N-2AP+ALM-AR															
HY - MANUALLY INITIATED CONVERTER																	
3FWA*HY31A1	AUX FW CONTROL		CB		RM	Y	N		N	MF	MD		NA	NA	NA	A	
	FOXBORO	QOAAA05			NS(B)-017 REV 1B												
	N-2AX+DIO	392			IEEE 344,323												
	DUSTRUBUTION MODEL	N-2AX+DIO															
3FWA*HY31A2	AUX FW CONTROL		CB		RM	Y	N		N	MF	MD		NA	NA	NA	A	
	FOXBORO	QOAAA05			NS(B)-017 REV 1B												
	N-2AP+ALM-AR	392			IEEE 344,323												
	DUSTRUBUTION MODEL	N-2AX+DIO															
3FWA*HY31A3	AUX FW CONTROL		CB		RM	Y	N		N	MF	MD		NA	NA	NA	A	
	FOXBORO	QOAAB18			NS(B)-017 REV 1B												
	N-2AX+DSR	392			IEEE 344,323												
	RELAY LOGIC CARD	N-2AX+DSR															
3FWA*HY31A4	AUX FW CONTROL		CB		RM	Y	N		N	MF	MD		NA	NA	NA	A	
	FOXBORO	QOAAB15			NS(B)-017 REV 1B												
	N-2AI-C2L	392			IEEE 344,323												
	CONTACT INPT ISOLATR	N-2AI-C2L															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ INS
3FWA*HY31A7	AUX FW CONTROL FOXBORO N-2AI-I2V I/E CONVERTER	 QOAAB35 392 N-2AI-I2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C
3FWA*HY31B1	AUX FW CONTROL FOXBORO N-2AX+DIO DUSTRUBUTION MODEL	 QOAAB05 392 N-2AX+DIO	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N								C
3FWA*HY31B2	AUX FW CONTROL FOXBORO N-2AX+D10 DUSTRUBUTION MODEL	 QOAAB05 392 N-2AX+DIO	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N								A
3FWA*HY31B3	AUX FW CONTROL FOXBORO N-2AX+DSR RELAY LOGIC CARD	 QOAAB18 392 N-2AX+DSR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A
3FWA*HY31B4	AUX FW CONTROL FOXBORO N-2AI-C2L CONTACT INPT ISOLATR	 QOAAB15 392 N-2AI-C2L	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A
3FWA*HY31B7	AUX FW CONTROL FOXBORO N-2AI-I2V I/E CONVERTER	 QOAAB35 392 N-2AI-I2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C
3FWA*HY31C1	AUX FW CONTROL FOXBORO DUSTRUBUTION MODEL	 QOAAB35 392 N-2AX+DIO	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	HTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWA*HY31C2	AUX FW CONTROL FOXBORO N-2AX+DIO DUSTRUBUTION MODEL	 QOAAA05 392 N-2AX+DIO	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A	
3FWA*HY31C3	AUX FW CONTROL FOXBORO N-2AX+DIO RELAY LOGIC CARD	 QOAAB18 392 N-2AX+DSR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A	
3FWA*HY31C4	AUX FW CONTROL FOXBORO N-2AI-C2L CONTACT INPT ISOLATR	 QOAAB15 392 N-2AI-C2L	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A	
3FWA*HY31C7	AUX FW CONTROL FOXBORO N-2AI-I2V I/E CONVERTER	 QOAAB35 392 N-2AI-I2V	CB		RM NS(B)-017 REV 1B IEEE 344,322	Y	N		N	MF	MD	NA	NA	NA	C	
3FWA*HY31D1	AUX FW CONTROL FOXBORO N-2AX+DIO DUSTRUBUTION MODEL	 QOAAA05 392 N-2AX+DIO	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A	
3FWA*HY31D2	AUX FW CONTROL FOXBORO N-2AX+DIO DUSTRUBUTION MODEL	 IEEE 344,323 392 N-2AX+DIO	CB		RM NS(B)-017 REV 1B IEEE 344	Y	N								A	
3FWA*HY31D3	AUX FW CONTROL FOXBORO N-2AX+DSR RELAY LOGIC CARD	 QOAAB18 392 N-2AX+DSR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3FWA*HY31D4	AUX FW CONTROL FOXBORO N-2AI+C2L CONTACT INPT ISOLATR	 QOAAB15 392 N-2AI-C2L	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A	
3FWA*HY31D7	AUX FW CONTROL FOXBORO N-2AI-I2V I/E CONVERTER	 QOAAB35 392 N-2AI-I2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
3FWA*HY32A1	AUX FW CONTROL FOXBORO N-2AX+DIO DUSTRUBUTION MODEL	 QOAAA05 392 N-2AX+DIO	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A	
3FWA*HY32A2	AUX FW CONTROL FOXBORO N-2AX+DIO DUSTRUBUTION MODEL	 QOAAA05 392 N-2AX+DIO	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A	
3FWA*HY32A3	AUX FW CONTROL FOXBORO N-2AX+DSR RELAY LOGIC CARD	 QOAAB18 392 N-2AX+DSR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A	
3FWA*HY32A4	AUX FW CONTROL FOXBORO N-2AI-C2L CONTACT INPT ISOLATR	 QOAAB15 392 N-2AI-C2L	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A	
3FWA*HY32A5	AUX FW CONTROL FOXBORO N-2AO-V2I E/I CONVERTER	 QOAAB50 392 N-2AO+V2I	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ INS
3FWA*HY32A7	AUX FW CONTROL FOXBORO N-2AI-I2V I/E CONVERTER	 QOAAB35 392 N-2AI-I2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C
3FWA*HY32B1	AUX FW CONTROL FOXBORO N-2AX+DIO DUSTRUBUTION MODEL	 QOAAA05 392 N-2AX+DIO	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A
3FWA*HY32B2	AUX FW CONTROL FOXBORO N-2AX+DSR DUSTRUBUTION MODEL	 QOAAA05 392 N-2AX+DIO	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A
3FWA*HY32B3	AUX FW CONTROL FOXBORO N-2AX+DSR RELAY LOGIC CARD	 QOAAB18 392 N-2AX+DSR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A
3FWA*HY32B4	AUX FW CONTROL FOXBORO N-2AI-C2L CONTACT INPT ISOLATR	 QOAAB15 392 N-2AI-C2L	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A
3FWA*HY32B5	AUX FW CONTROL FOXBORO N-2AO-V2I E/I CONVERTER	 QOAAB50 392 N-2AO+V2I	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C
3FWA*HY32B7	AUX FW CONTROL FOXBORO N-2AI-I2V I/E CONVERTER	 QOAAB35 392 N-2AI-I2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS DYN.	LOADS: OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3FWA*HY32C1	AUX FW CONTROL FOXBORO N-2AX+DIO DUSTRUBUTION MODEL	 QOAAA05 392 N-2AX+DIO	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N	N	MF	MD	NA	NA	NA	C	
3FWA*HY32C2	AUX FW CONTROL FOXBORO N-2AX+DIO DUSTRUBUTION MODEL	 QOAAA05 392 N-2AX+DIO	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N	N	MF	MD	NA	NA	NA	C	
3FWA*HY32C3	AUX FW CONTROL FOXBORO N-2AX+DSR RELAY LOGIC CARD	 QOAAB18 392 N-2AX+DSR	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N	N	MF	MD	NA	NA	NA	D	
3FWA*HY32C4	AUX FW CONTROL FOXBORO N-2AI-C2L CONTACT INPT ISOLATR	 QOAAB15 392 N-2AI-C2L	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N	N	MF	MD	NA	NA	NA	A	
3FWA*HY32C5	AUX FW CONTROL FOXBORO N-2AO-V2I E/I CONVERTER	 QOAAB50 392 N-2AO+V2I	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N	N	MF	MD	NA	NA	NA	C	
3FWA*HY32C7	AUX FW CONTROL FOXBORO N-2AI-I2V I/E CONVERTER	 QOAAB35 392 N-2AI-I2V	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N	N	MF	MD	NA	NA	NA	C	
3FWA*HY32D1	AUX FW CONTROL FOXBORO N-2AX+DIO DUSTRUBUTION MODEL	 QOAAA05 392 N-2AX+DIO	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N	N	MF	MD	NA	NA	NA	C	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWA*HY32D2	AUX FW CONTROL FOXBORO N-2AX+D10 DUSTRUBUTION MODEL	 QOAAA05 392 N-2AX+DIO	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
3FWA*HY32D3	AUX FW CONTROL FOXBORO N-2AX+DSR RELAY LOGIC CARD	 QOAAB18 392 N-2AX+DSR	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	D	
3FWA*HY32D4	AUX FW CONTROL FOXBORO N-2AI-C2L CONTACT INPT ISOLATR	 QOAAB15 392 N-2AI-C2L	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A	
3FWA*HY32D5	AUX FW CONTROL N-2AO-V2I	 QOAAB50 392	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	D	
3FWA*HY32D7	AUX FW CONTROL FOXBORO N-2AI-I2V I/E CONVERTER	 QOAAB35 392 N-2AI-I2V	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
3FWA*HY36A1	AUX FW CONTROL FOXBORO N-2AX+D10 DUSTRUBUTION MODEL	 QOAAA05 392 N-2AX+DIO	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
3FWA*HY36A2	AUX FW CONTROL FOXBORO N-2AX+D10 DUSTRUBUTION MODEL	 QOAAA05 392 N-2AX+DIO	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ INS
3FWA*HY36A3	AUX FW CONTROL FOXBORO N-2AX+D5R RELAY LOGIC CARD	 QOAAB18 392 N-2AX+D5R	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	D
3FWA*HY36A4	AUX FW CONTROL FOXBORO N-2AX-C2L CONTACT INPT ISOLATR	 QOAAB15 392 N-2AI-C2L	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A
3FWA*HY36A5	AUX FW CONTROL FOXBORO N-2AO-V2I E/I CONVERTER	 QOAAB50 392 N-2AO+V2I	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C
3FWA*HY36A7	AUX FW CONTROL FOXBORO N-2AI-I2V I/E CONVERTER	 QOAAB35 392 N-2AI-I2V	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C
3FWA*HY36B1	AUX FW CONTROL FOXBORO N-2AX+D10 DUSTRUBUTION MODEL	 QOAAA05 392 N-2AX+DIO	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C
3FWA*HY36B2	AUX FW CONTROL FOXBORO N-2AX+D10 DUSTRUBUTION MODEL	 QOAAA05 392 N-2AX+DIO	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C
3FWA*HY36B3	AUX FW CONTROL FOXBORO N-2AX+D5R RELAY LOGIC CARD	 QOAAB18 392 N-2AX+D5R	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	D

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3FWA*HY36B4	AUX FW CONTROL FOXBORO N-2AI-C2L CONTACT INPT ISOLATR	 QOAAB15 392 N-2AI-C2L	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y		N	N	MF	MD	NA	NA	NA	A	
3FWA*HY36B5	AUX FW CONTROL FOXBORO N-2AO-V2I E/I CONVERTER	 QOAAB50 392 N-2AO+V2I	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y		N	N	MF	MD	NA	NA	NA	C	
3FWA*HY36B7	AUX FW CONTROL FOXBORO N-2AI-I2V I/E CONVERTER	 QOAAB35 392 N-2AI-I2V	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y		N	N	MF	MD	NA	NA	NA	C	
3FWA*HY36C1	AUX FW CONTROL FOXBORO N-2AX+DIO DUSTRUBUTION MODEL	 QOAAA05 392 N-2AX+DIO	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y		N	N	MF	MD	NA	NA	NA	C	
3FWA*HY36C2	AUX FW CONTROL FOXBORO N-2AX+DIO DUSTRUBUTION MODEL	 QOAAA05 392 N-2AX+DIO	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y		N	N	MF	MD	NA	NA	NA	C	
3FWA*HY36C3	AUX FW CONTROL FOXBORO N-2AX+DSR RELAY LOGIC CARD	 QOAAB18 392 N-2AX+DSR	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y		N	N	MF	MD	NA	NA	NA	D	
3FWA*HY36C4	AUX FW CONTROL FOXBORO N-2AI-C2L CONTACT INPT ISOLATR	 QOAAB15 392 N-2AI-C2L	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y		N	N	MF	MD	NA	NA	NA	A	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

NT NAME MILLSTONE UNIT 3
LITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3FWA*HY36C5	AUX FW CONTROL FOXBORO N-2AO-V2I E/I CONVERTER	 QOAAB50 392 N-2AO+V2I	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
3FWA*HY36C7	AUX FW CONTROL FOXBORO N-2AI-I2V I/E CONVERTER	 QOAAB35 392 N-2AI-I2V	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
3FWA*HY36D1	AUX FW CONTROL FOXBORO N-2AX+DIO DUSTRUBUTION MODEL	 QOAAA05 392 N-2AX+DIO	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
3FWA*HY36D2	AUX FW CONTROL FOXBORO N-2AX+DIO DUSTRUBUTION MODEL	 QOAAA05 392 N-2AX+DIO	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
3FWA*HY36D3	AUX FW CONTROL FOXBORO N-2AX+DSR RELAY LOGIC CARD	 QOAAB18 392 N-2AX+DSR	CB		RM NS(B)-017-REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	D	
3FWA*HY36D4	AUX FW CONTROL FOXBORO N-2AI-C2L CONTACT INPT ISOLATR	 QOAAB15 392 N-2AI-C2L	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A	
3FWA*HY36D5	AUX FW CONTROL FOXBORO N-2AO-V2I E/I CONVERTER	 QOAAB50 392 N-2AO+V2I	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	

REPORT NO. NSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWA*HY36D7	AUX FW CONTROL FOXBORO N-2AI-I2V I/E CONVERTER	QOAAB35 392 N-2AI-I2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
LI - INDICATOR,LEVEL																
3FWA*LI20A1	DEMIN WTR STOR TK LVL	QOAAB35 392	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	D	
3FWA*LI20A2	DEMIN WTR STOR TK LVL	392	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N								D	
3FWA*LI20B1	DEMIN WTR STOR TK LVL	392	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N								D	
3FWA*LI20B2	DEMIN WTR STOR TK LVL	392	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N								D	
LR - RECORDER,LEVEL																
3FWA*LR20	DEMIN WTR STOR TK LVL FOXBORO N-226S-16 ELECTRONIC RECORDERS	QOAAA11 392 N-226S-16	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N								C	
LS - SWITCH,LEVEL																

REPORT NO. MSSQT1

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS / OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWA*LS20B1	DEMIN WTR STOR TK LVL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y N		N	MF	MD		NA	NA	NA	C	
3FWA*LS20B2	DEMIN WTR STOR TK LVL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y N		N	MF	MD		NA	NA	NA	C	
3FWA*LS20B3	DEMIN WTR STOR TK LVL FOXBORO N-2AP+ALM-AR SIGNAL BISTABLES	 QOAAB33 392 N-2AP+ALM-AR	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y N		N	MF	MD		NA	NA	NA	C	

LY - RELAY,LEVEL,COMPUTING,SELECTING OR BOOSTER

3FWA*LY20A1	DEMIN WTR STOR TK LVL FOXBORO N-2AI-I2V I/E CONVERTER	 QOAAB35 392 N-2AI-I2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y N		N	MF	MD		NA	NA	NA	C	
3FWA*LY20A2	DEMIN WTR STOR TK LVL FOXBORO N-2AO-V2I E/I CONVERTER	 QOAAB50 392 N-2AO+V2I	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y N		N	MF	MD		NA	NA	NA	C	
3FWA*LY20B1	DEMIN WTR STOR TK LVL FOXBORO N-2AI-I2V I/E CONVERTER	 QOAAB35 392 N-2AI-I2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y N		N	MF	MD		NA	NA	NA	C	
3FWA*LY20B2	DEMIN WTR STOR TK LVL FOXBORO N-2AO-V2I E/I CONVERTER	 QOAAB50 392 N-2AO+V2I	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y N		N	MF	MD		NA	NA	NA	C	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	LOADS: SEIS / OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
PS - SWITCH,PRESSURE															
3FWA*PS52A	AUX FDPMP SUCT PRESS		ESB 00004	RM	Y	N	.23.12	N	SF	SD	40+	40+	40+	A	Y
	AUTOMATIC SWITCH CO	AQR-101083,R.O		NS(B)-010 REV 0B											
	SB21AKR/T6E20A32BRX	626		IEEE 323-1974&IEEE 344-1975											
	ASCO PRESSURE SWITCH	SB21AKR/TE20A32BRX													
3FWA*PS52B	AUX FDPMP SUCT PRESS		ESB 00004	RM	Y	N	.20.12	N	SF	SD	40+	40+	40+	A	Y
	AUTOMATIC SWITCH CO	AQR-101083,R.O		NS(B)-010 REV 0B											
	SB21AKR/TE20A32BRX	626		IEEE 323-1974&IEEE 344-1975											
	ASCO PRESSURE SWITCH	SB21AKR/TE20A32BRX													
3FWA*PS52C	AUX FDPMP SUCT PRESS		ESB 00004	RM	Y	N	.20.12	N	SF	SD	40+	40+	40+	A	Y
	AUTOMATIC SWITCH CO	AQR-101083,R.O		NS(B)-010 REV 0B											
	SB21AKR/TE20A32BRX	626		IEEE 323-1974&IEEE 344-1975											
	ASCO PRESSURE SWITCH	SB21AKR/TE20A32BRX													
AOV - VALVE,AIR OPERATED															
3FWA*AOV62A	GATE VALVE-AO		ESF	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FA-5632		NA											
	*	651		ASME III,CL3											
3FWA*AOV62B	GATE VALVE-AO		ESF											D	Y
	*	651		ASME III,CL2											
HV - VALVE,HAND															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ INS
3FWA*HV31A	SG AUX FDWTR CONT		ESB	00026	DM	Y	N	3G	S	NA	NA		33+		A
	TARGET ROCK CORP	81AB-005			NA										
	81AB-005	654			ASME III,CL2										
	MODLTNG SOLENOID VLV	81AB-005													
3FWA*HV31B	AUX FW CONTROL		ESB		DM	Y	N	3G	S	NA	NA		33+		A
	TARGET ROCK CORP	81AB-005			NA										
	81AB-005	654			ASME III,CL2										
	MODLTNG SOLENOID VLV	81AB-005													
3FWA*HV31C	AUX FW CONTROL		ESB		DM	Y	N	3G	S	NA	NA		33+		A
	TARGET ROCK CORP	81AB-005			NA										
	81AB-005	654			ASME III,CL2										
	MODLTNG SOLENOID VLV	81AB-005													
3FWA*HV31D	AUX FW CONTROL		ESB	00026	DM	Y	N	3G	S	NA	NA		33+		A
	TARGET ROCK CORP	81AB-005			NA										
	81AB-005	654			ASME III,CL2										
	MODLTNG SOLENOID VLV	81AB-005													
3FWA*HV32A	AUX FW CONTROL		ESB	00021	DM	Y	N	3G	S	NA	NA		33+		A
	TARGET ROCK CORP	81AB-005			NA										
	81AB-005	654			ASME III,CL2										
	MODLTNG SOLENOID VLV	81AB-005													
3FWA*HV32B	AUX FW CONTROL		ESB	00021	DM	Y	N	3G	S	NA	NA		33+		A
	TARGET ROCK CORP	81AB-005			NA										
	81AB-005	654			ASME III,CL2										
	MODLTNG SOLENOID VLV	81AB-005													
3FWA*HV32C	AUX FW CONTROL		ESB	00021	DM	Y	N	3G	S	NA	NA		33+		A
	TARGET ROCK CORP	81AB-005			NA										
	81AB-005	654			ASME III,CL2										
	MODLTNG SOLENOID VLV	81AB-005													

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWA*HV32D	AUX FW CONTROL		ESB 00021	DM	Y	N	3G	S	NA	NA		33+		A	
	TARGET ROCK CORP	81AB-005		NA											
	81AB-005	654		ASME III,CL2											
	MODLTNG SOLENOID VLV	81AB-005													
3FWA*HV36A	AUX FW CONTROL		ESB 00038	DM	Y	N	3G	S	NA	NA		33+		A	
	TARGET ROCK CORP	81AB-005		NA											
	81AB-005	654		ASME III,CL2											
	MODLTNG SOLENOID VLV	81AB-005													
3FWA*HV36B	AUX FW CONTROL		ESB 00022	DM	Y	N	3G	S	NA	NA		33+		A	
	TARGET ROCK CORP	81AB-005		NA											
	81AB-005	654		ASME III,CL2											
	MODLTNG SOLENOID VLV	81AB-005													
3FWA*HV36C	AUX FW CONTROL		ESB 00022	DM	Y	N	3G	S	NA	NA		33+		A	
	TARGET ROCK CORP	81AB-005		NA											
	81AB-005	654		ASME III,CL2											
	MODLTNG SOLENOID VLV	81AB-005													
3FWA*HV36D	AUX FW CONTROL		ESB	DM	Y	N	3G	S	NA	NA		33+		A	
	TARGET ROCK CORP	81AB-005		NA											
	81AB-005	654		ASME III,CL2											
	MODLTNG SOLENOID VLV	81AB-005													
HY - MANUALLY INITIATED CONVERTER															
3FWA*HY31A6	AUX FW CONTROL		ESB 00021	EM	Y	N	3G	S	NA	NA		33+		A	Y
	TARGET ROCK CORP	3040		NA											
	203114	654		ASME III,CL2											
	ELCTRNC CNTRL MODULE	81AB CONTROLLER													
3FWA*HY31B6	AUX FW CONTROL		ESB 00021	EM	Y	N	3G	S	NA	NA		33+		A	Y
	TARGET ROCK CORP	3040		NA											
	203114	654		ASME III,CL2											
	ELCTRNC CNTRL MODULE	81AB CONTROLLER													

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	LOADS: ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWA*HY31C6	AUX FW CONTROL		ESB	00021	EM	Y	N	3G	S	NA	NA			33+		A	Y
	TARGET ROCK CORP	3040			NA												
	203114	654			ASME III,CL2												
	ELCTRNC CNTRL MODULE	81AB CONTROLLER															
3FWA*HY31D6	AUX FW CONTROL		ESB	00021	EM	Y	N	3G	S	NA	NA			33+		A	Y
	TARGET ROCK CORP	3040			NA												
	203114	654			ASME III,CL2												
	ELCTRNC CNTRL MODULE	81AB CONTROLLER															
3FWA*HY32A6	AUX FW CONTROL		ESB	00021	EM	Y	N	3G	S	NA	NA			33+		A	Y
	TARGET ROCK CORP	3040			NA												
	203114	654			ASME III,CL2												
	ELCTRNC CNTRL MODULE	81AB CONTROLLER															
3FWA*HY32B6	AUX FW CONTROL		ESB	00021	EM	Y	N	3G	S	NA	NA			33+		A	Y
	TARGET ROCK CORP	3040			NA												
	203114	654			ASME III,CL2												
	ELCTRNC CNTRL MODULE	81AB CONTROLLER															
3FWA*HY32C6	AUX FW CONTROL		ESB	00021	EM	Y	N	3G	S	NA	NA			33+		A	Y
	TARGET ROCK CORP	3040			NA												
	203114	654			ASME III,CL2												
	ELCTRNC CNTRL MODULE	81AB CONTROLLER															
3FWA*HY32D6	AUX FW CONTROL		ESB	00021	EM	Y	N	3G	S	NA	NA			33+		A	Y
	TARGET ROCK CORP	3040			NA												
	203114	654			ASME III,CL2												
	ELCTRNC CNTRL MODULE	81AB CONTROLLER															
3FWA*HY36A6	CONTROLLER FOR 3FWA*HV36A		ESB	00036	EM	Y	N	3G	S	NA	NA			33+		A	Y
	TARGET ROCK CORP	3040			NA												
	203114	654			ASME III,CL2												
	ELCTRNC CNTRL MODULE	81AB CONTROLLER															

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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWAxHY36B6	AUX FW CONTROL TARGET ROCK CORP 203114 ELCTRNC CNTRL MODULE	3040 654 81AB CONTROLLER	ESB	00036	EM NA ASME III,CL2	Y	N	3G	S	NA	NA			33+		A	Y
3FWAxHY36C6	AUX FW CONTROL TARGET ROCK CORP 203114 ELCTRNC CNTRL MODULE	3040 654 81AB CONTROLLER	ESB	00036	EM NA ASME III,CL2	Y	N	3G	S	NA	NA			33+		A	Y
3FWAxHY36D6	AUX FW CONTROL TARGET ROCK CORP 203114 ELCTRNC CNTRL MODULE	3040 654 81AB CONTROLLER	ESB	00036	EM NA ASME III,CL2	Y	N	G3	S	NA	NA			33+		A	Y
FT - TRANSMITTER,FLOW																	
3FWAxFT33A	AUX FW FLOW ROSEMOUNT 1153DD DIFF PRSSR TRANSMITR	D8300040 662 1153DD5PC	CS	00024	RM NS(B)-017 REV 1B IEEE-323,344	Y	N	.40.22	N	MF	MD	38	38	60	A	Y
3FWAxFT33B	AUX FW FLOW ROSEMOUNT 1153DD DIFF PRSSR TRANSMITR	D8300040 662 1153DD5PC	CS	00003	RM NS(B)-017 REV 1B IEEE-323,344	Y	N	.33.20	N	MF	MD	38	38	60	A	Y
3FWAxFT33C	AUX FW FLOW ROSEMOUNT 1153DD DIFF PRSSR TRANSMITR	D8300040 662 1153DD5PC	CS	00003	RM NS(B)-017 REV 1B IEEE-323,344	Y	N	.33.20	N	MF	MD	38	38	60	A	Y
3FWAxFT33D	SG AUX FDWTR ROSEMOUNT 1153DD DIFF PRSSR TRANSMITR	D8300040 662 1153DD5PC	CS	00024	RM NS(B)-017 REV 1B IEEE-323,344	Y	N	.40.22	N	MF	MD	38	38	60	A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWA - FEEDWATER-AUXILIARY FEEDWATER

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	LOADS: REQ'D INPUT (MPA)	ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWA*FT51A	AUX FW FLOW ROSEMOUNT 1153DD DIFF PRSSR TRANSMITR	D8300040 662 1153DD5PC	CS	00024	RM NS(B)-017 REV 1B IEEE-323,344	Y	N	.40.22	N	MF	MD		38	38	60	A	Y
3FWA*FT51B	AUX FW FLOW ROSEMOUNT 1153DD DIFF PRSSR TRANSMITR	D8300040 662 1153DD5PC	CS	00003	RM NS(B)-017 REV 1B IEEE-323,344	Y	N	.33.20	N	MF	MD		38	38	60	A	Y
3FWA*FT51C	AUX FW FLOW ROSEMOUNT 1153DD DIFF PRSSR TRANSMITR	D8300040 662 1153DD5PC	CS	00003	RM NS(B)-017 REV 1B IEEE-323,344	Y	N	.33.20	N	MF	MD		38	38	60	A	Y
3FWA*FT51D	AUX FW FLOW ROSEMOUNT 1153DD DIFF PRSSR TRANSMITR	D8300040 662 1153DD5PC	CS	00024	RM NS(B)-017 REV 1B IEEE-323,344	Y	N	.40.22	N	MF	MD		38	38	60	A	Y
LT - TRANSMITTER,LEVEL																	
3FWA*LT20A	DEMIN WTR STOR TK LVL ROSEMOUNT 1153DB DIFF PRSSR TRANSMITR	108025 662 1153DB5PC	ESB	00004	RM NS(B)-010 REV B IEEE-323,344	Y	N	.20.12	N	MF	MD		50	47	50	A	Y
3FWA*LT20B	DEMIN WTR STOR TK LVL ROSEMOUNT 1153DB DIFF PRSSR TRANSMITR	108025 662 1153DB5PC	ESB	00004	RM NS(B)-010 REV B IEEE-323,344	Y	N	.20.12	N	MF	MD		50	47	50	A	Y

REPORT NO. MSSQT1 — PROJECT EQUIPMENT SYSTEM — REPORT DATE 10/11/84

SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT

PLANT NAME MILLSTONE UNIT 3 — MASTER LIST OF SAFETY RELATED EQUIPMENT

UTILITY NUSCO — BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

ENGINEER: STONE & WEBSTER

DOCKET NO. 50-423 — NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWL - FEEDWATER-PUMP & DRIVER OIL SYSTEMS

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	SEIS / DYN.	OTHER REQ'D / INPUT (ZPA)	LOADS: ANLYS	QUAL METH: TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT														
E - EXCHANGER,HEAT														
3FWL*E2A	VENDOR		ESB 00024	CF	Y	N .32.13	S	NA	NA		100		D	
		20,030		NS(B)-010,REV 0B										
	MSD	041		ASME III,CL2										
3FWL*E2B	VENDOR		ESB 00024	CF	Y	N .32.13							D	
				NS(B)-010,REV 0B										
	MSD	041												
3FWL*E3	VENDOR		ESB 00024		Y	N .32.13							D	
				NS(B)-010,REV 0B										
	MSD-D	041												
FLT - FILTER														
3FWL*FLT2	VENDOR		ESB 00024	EM	Y	N .32.13							D	
				NS(B)-010,REV 0B										
	MSD-D	041												
P - PUMP														
3FWL*P4	MAIN LUBE OIL PUMP		ESB 00024	CF	Y	N .32.13							D	Y
				NS(B)-010,REV 0B										
	MSD-D	041		ASME III,CL3										

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWL - FEEDWATER-PUMP & DRIVER OIL SYSTEMS

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS DYN.	LOADS: OTHER	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3FWL*P6A	MAIN LUBE OIL PUMP		ESB	00024	CF	Y	N	.32.13							D	Y
					NS(B)-010,REV 0B											
	MSD	041			ASME III,CL3											
3FWL*P6B	MAIN LUBE OIL PUMP		ESB	00024	CF	Y	N	.32.13							D	Y
					NS(B)-010,REV 0B											
	MSD	041			ASME III,CL3											
PS - SWITCH,PRESSURE																
3FWL*PS107B	AUX FD WTR P2L.O. SUP PRESS		ESB	00021	EM	Y	N	.32.13							D	Y
					NS(B)-010,REV 0B											
	MSD-D	041			IEEE 344											
3FWL*PS114A1	AUX FD WTR P1 L.O. SUPLY PRESS		ESB	00246	EM	Y	N	.32.13							D	Y
					NS(B)-010,REV 0B											
	MSD	041			IEEE 344											
3FWL*PS114B1	AUX FD WTR P1 L.O. SUPLY PRESS		ESB	00246	EM	Y	N	.32.13							D	Y
					NS(B)-010 REV 0B											
	MSD	041			IEEE 344											
RV - VALVE,RELIEF																
3FWL*RV110	AUX FD WTR P2 L.O. PP DISH RLF		ESB		DM	Y	N	.32.13							D	
					NS(B)-010 REV 0B											
	MSD-D	041														

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UTILITY NUSCO

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NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWL - FEEDWATER-PUMP & DRIVER OIL SYSTEMS

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	HTG / RRS REF / CODES	LOADS: SEIS / DYN.	OTHER / INPUT (ZPA)	REQ'D	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWL*RV117A	AUX FD WTR P1 L.O. PP DISH RLF		ESB		DM	Y	N	.32.13							D	
					NS(B)-010 REV 0B											
	MSD	041														
3FWL*RV117B	AUX FD WTR P1 L.O. PP DISH RLF		ESB		DM	Y	N	.32.13							D	
					NS(B)-010 REV 0B											
	MSD	041														
SOV - VALVE,SOLENOID																
3FWL*SOV104	TURB TRIP & THR VLV LUBE OIL		ESB	00021	DM	Y	N	.32.13							D	Y
					NS(B)-010 REV 0B											
	MSD-D	041														

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PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWS - FEEDWATER - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF / CODES	LOADS: SEIS DYN.	OTHER	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT																
SOV - VALVE,SOLENOID																
3FWS*SOV41A1	SG FW STEP VLV	43378-1	MSV		EM NA IEEE-344	Y	N	2.8G	N	MF	MD		33+		A	
3FWS*SOV41A2	SG FW STEP VLV	43378-1	MSV		EM NA IEEE-344	Y	N	2.8G	N	MF	MD		33+		A	
3FWS*SOV41B1	SG FW STOP VLV	43378-1	MSV		EM NA IEEE-344	Y	N	2.8G	N	MF	MD		33+		A	
3FWS*SOV41B2	SG FW STOP VLV	43378-1	MSV		EM NA IEEE-344	Y	N	2.8G	N	MF	MD		33+		A	
3FWS*SOV41C1	SG FW STOP VLV	43378-1	MSV		EM NA IEEE-344	Y	N	2.8G	N	MF	MD		33+		A	
3FWS*SOV41C2	SG FW STEP VLV	43378-1	MSV		EM NA IEEE-344	Y	N	2.8G	N	MF	MD		33+		A	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWS - FEEDWATER - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWS*SOV41D1	SG FW STOP VLV	43378-1	MSV		EM NA IEEE-344	Y	N	2.8G	N	MF	MD			33+		A	
3FWS*SOV41D2	SG FW STOP VLV	43378-1	MSV		EM NA IEEE-344	Y	N	2.8G	N	MF	MD			33+		A	
LI - INDICATOR,LEVEL																	
3FWS*LI503A	STM GEN LVL (WIDE RANGE)	LATER	CB	00004	EM											D	
MOV - VALVE,MOTOR OPERATED																	
3FWS*MOV35A	SGFW CONTROL VLV ISOL WALWORTH N5247PS LIMITORQUE OPERATOR	228 REV 1 161 SMB-3	MSV	00041	DM NA ASME III,CL2	Y	N	3G	S	NA	NA			33+		A	Y
3FWS*MOV35B	SGFW CONTROL VLV ISOL WALWORTH N5247PS LIMITORQUE OPERATOR	228 REV 1 161	MSV	00041	DM NA ASME III,CL2	Y	N	3G	S	NA	NA			33+		A	Y
3FWS*MOV35C	SGFW CONTROL VLV ISOL WALWORTH N5247PS LIMITORQUE OPERATOR	228 REV 1 161 SM	MSV	00041	DM NA ASME III,CL2	Y	N	3G	S	NA	NA			33+		A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWS - FEEDWATER - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3FWS*MOV35D	SGFW CONTROL VLV ISOL		MSV 00041	DM	Y	N	3G	S	NA	NA		33+		A	Y
	WALWORTH	228 REV 1		NA											
	N5247PS	161		ASME III,CL2											
	LIMITORQUE OPERATOR														
LV - VALVE,LEVEL															
3FWS*LV550	SGFW CONTROL VLV BYPASS		MSV 00049	DM	Y	N	3G	S	NA	NA		33+		A	
	FISHER	FQP-22-9/10A		NA											
	667NS-ET	185		ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180													
3FWS*LV560	SGFW CONTROL VLV BYPASS		MSV 00049	DM	Y	N	3G	S	NA	NA		33+		A	
	FISHER	FQP-22-9/10A		NA											
	667NS-ET	185		ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180													
3FWS*LV570	SGFW CONTROL VLV BYPASS		MSV 00049	DM	Y	N	3G	S	NA	NA		33+		A	
	FISHER	FQP-22-9/10A		NA											
	667NS-ET	185		ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180													
3FWS*LV580	SGFW CONTROL VLV BYPASS		MSV 00049	DM	Y	N	3G	S	NA	NA		33+		A	
	FISHER	FQP-22-9/10A		NA											
	667NS-ET	185		ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180													
SOV - VALVE,SOLENOID															
3FWS*SOV550	SGFW CONTROL VLV BYPASS		MSV 00050	DM	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368		NA											
		185		IEEE,323,344,382											
	ASCO SOLENOID	NPK 8320													

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FHS - FEEDWATER - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWS*SOV560	SGFW CONTROL VLV BYPASS		MSV	00050	DM	Y	N	3G	N	SF	SD			35+		A	Y
	FISHER	AOR-67368			NA												
		185			IEEE,323,344,382												
	ASCO SOLENOID	NPK 8320															
3FWS*SOV570	SGFW CONTROL VLV BYPASS		MSV	00050	DM	Y	N	3G	N	SF	SD		*	35+		A	Y
	FISHER	AOR-67638			NA												
		185			IEEE,323,344,382												
	ASCO SOLENOID	NPK 8320															
3FWS*SOV580	SGFW CONTROL VLV BYPASS		MSV	00050	DM	Y	N	3G	N	SF	SD		*	35+		A	Y
	FISHER	AOR-67638			NA												
		185			IEEE,323,344,382												
	ASCO SOLENOID	NPK 8320															

LI - INDICATOR,LEVEL

3FWS*LI504A	STM GEN LVL (WIDE RANGE)		CB	00004	CM	Y	N	.40.15	N	MF	MD		NA	NA	NA	A	
		15880,REV 2			NS(B)-017 REV 1B												
	W TYPE 252,4-20 MA	246			IEEE 323												
3FWS*LI519A	STM GEN LVL CONT.		CB	00004	CM	Y	N	.40.15	N	MF	MD		NA	NA	NA	A	
		15880,REV 2			NS(B)-017 REV 1B												
	W TYPE 252,4-20 MA	246			IEEE 323												
3FWS*LI529A	STM GEN LVL CONTROL		CB	00004	CM	Y	N	.40.15	N	MF	MD		NA	NA	NA	A	
		15880,RE. 2			NS(B)-017 REV 1B												
	W TYPE 252,4-20 MA	246			IEEE 323												

HS - SWITCH,HAND

REPORT NO. MSSQT1

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWS - FEEDWATER - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3FWS*HS32A3	AUX FW CONTROL	QOAAB50 392	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	D	
3FWS*HS32B3	AUX FW CONTROL	392	CB		RM NS(B)-017 REV 1B IEEE-322	Y	N								D	
CTV - VALVE,CONTAINMENT,TRIP																
3FWS*CTV41A	SG FW STOP VLV ANCHOR/DARLING W8020961,REV B SKINNER/ASCO	SO E9450-1 476	MSV	00044	DM NA ASME III,CL2	Y	N	2.8G	S	NA	NA		33+		A	Y
3FWS*CTV41B	SG FW STOP VLV ANCHOR/DARLING W8020961 REV B SKINNER/ASCO	SO E9450-1 DM 476	MSV	00044	NA ASME III,CL2	Y	N	2.8G							A	Y
3FWS*CTV41C	SG FW STOP VLV ANCHOR/DARLING W8020961 REV B SKINNER/ASCO	SO E9450-1 476	MSV	00044	DM NA ASME III,CL2	Y	N	2.8G	S	NA	NA		33+		A	Y
3FWS*CTV41D	SG FW STOP VLV ANCHOR/DARLING W8020961 REV B SKINNER/ASCO	SO E9450-1 476	MSV	00044	DM NA ASME III,CL2	Y	N	2.8G	S	NA	NA		33+		A	Y
SOV - VALVE,SOLENOID																

REPORT NO. MSSQT1

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UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWS - FEEDWATER - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	ANLYS	QUAL METH: TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWS*SOV41A3	SG FW STOP VLV	43378-1 / 476	MSV		EM / NA / IEEE-344	Y	N	2.8	N	MF	MD		33+		A	
3FWS*SOV41A4	SG FW STOP VLV	43378-1 / 476	MSV		EM / NA / IEEE-344	Y	N	2.8G	N	MF	MD		33+		A	
3FWS*SOV41B4	SG FW STOP VLV	43378-1 / 476	MSV		EM / NA / IEEE-344	Y	N	2.8G	N	MF	MD		33+		A	
3FWS*SOV41C3	SG FW STOP VLV	43378-1 / 476	MSV		EM / NA / IEEE-344	Y	N	2.8G	N	MF	MD		33+		A	
3FWS*SOV41C4	SG FW STOP VLV	43378-1 / 476	MSV		EM / NA / IEEE-344	Y	N	2.8G	N	MF	MD		33+		A	
3FWS*SOV41D3	SG FW STOP VLV	43378-1 / 476	MSV		EM / NA / IEEE-344	Y	N	2.8G	N	MF	MD		33+		A	
3FWS*SOV41D4	SG FW STOP VLV	43378-1 / 476	MSV		EM / NA / IEEE-344	Y	N	2.8G	N	MF	MD		33+		A	

FT - TRANSMITTER,FLOW

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWS - FEEDWATER - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	SEIS DYN.	OTHER	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWS-FT510	STM GEN LVL CONTROL ROSEMOUNT 1153DB DIFF PRSSR TRANSMITR	108025 662 1153DB6PC	TB	00043	RM NS(B)-011 REV B IEEE-323,344	Y	N	.30.20	N	MF	MD		50	47	50	A	Y
3FWS-FT511	STM GEN LVL CONTROL ROSEMOUNT 1153DB DIFF PRSSR TRANSMITR	108025 662 1153DB6PC	TB	00043	RM NS(B)-011 REV B IEEE-323,344	Y	N	.30.20	N	MF	MD		50	47	50	A	Y
3FWS-FT520	STM GEN LVL CONTROL ROSEMOUNT 1153DB DIFF PRSSR TRANSMITR	108025 662 1153DB6PC	TB	00043	RM NS(B)-011 REV B IEEE-323,344	Y	N	.30.20	N	MF	MD		50	47	50	A	Y
3FWS-FT521	STM GEN LVL CONTROL ROSEMOUNT 1153DB DIFF PRSSR TRANSMITR	108025 662 1153DB6PC	TB	00043	RM NS(B)-011 REV B IEEE-323,344	Y	N	.30.20	N	MF	MD		50	47	50	A	Y
3FWS-FT530	STM GEN LVL CONTROL ROSEMOUNT 1153DB DIFF PRSSR TRANSMITR	108025 662 1153DB6PC	TB	00043	RM NS(B)-011 REV B IEEE-323,344	Y	N	.30.20	N	MF	MD		50	47	50	A	Y
3FWS-FT531	STM GEN LVL CONTROL ROSEMOUNT 1153DB DIFF PRESSURE TRNSMT	108025 662 1153DB6PC	TB	00043	RM NS(B)-011 REV B IEEE-323,344	Y	N	.30.20	N	MF	MD		50	47	50	A	Y
3FWS-FT540	STM GEN LVL CONTROL ROSEMOUNT 1153DB DIFF PRSSR TRANSMITR	108025 662 1153DB6PC	TB	00043	RM NS(B)-011 REV B IEEE-323,344	Y	N	.30.20	N	MF	MD		50	47	50	A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWS - FEEDWATER - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	TEST FREQ	TEST DIR	F/B	S/S	VERT	STATUS SQ	STATUS INS
3FWS-FT541	STM GEN LVL CONTROL		TB	00043	RM	Y	N	.30.20	N	MF	MD	50	47	50	A	Y
	ROSEMOUNT	108025			NS(B)-011 REV B											
	1153DB	662			IEEE-323,344											
	DIFF PRESSURE TRNSMT	1153DB6PC														
LT - TRANSMITTER,LEVEL																
3FWS*LT551	STEAM GEN LVL		CS	00024	RM	Y	N	.40.22	N	MF	MD	38	38	60	A	Y
	ROSEMOUNT	D8300040			NS(B)-017 REV 1B											
	1153DD	662			IEEE-323,344											
	DIFF PRSSR TRANSMITR	1153DD4PC														
3FWS*LT552	STEAM GEN LVL		CS	00024	RM	Y	N	.40.22	N	MF	MD	38	38	60	A	Y
	ROSEMOUNT	D8300040			NS(B)-017 REV 1B											
	1153DD	662			IEEE-323,344											
	DIFF PRSSR TRANSMITR	1153DD4PC														
3FWS*LT553	STEAM GEN LVL		CS	00024	RM	Y	N	.40.22	N	MF	MD	38	38	60	A	Y
	ROSEMOUNT	D8300040			NS(B)-017 REV 1B											
	1153DD	662			IEEE-323,344											
	DIFF PRSSR TRANSMITR	1153DD4PC														
3FWS*LT554	STEAM GEN LVL		CS	00024	RM	Y	N	.40.22	N	MF	MD	38	38	60	A	Y
	ROSEMOUNT	D8300040			NS(B)-017 REV 1B											
	1153DD	662			IEEE-323,344											
	DIFF PRSSR TRANSMITR	1153DD4PC														
NSSS EQUIPMENT																
FCV - VALVE,CONTROL,FLOW,SELF ACTUATED																
3FWS*FCV510	STM GEN LVL CONTROL		MSV	00041	DH										D	Y
	WESTINGHOUSE NSSS															
		001														
	NAMCO	EA-170														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWS - FEEDWATER - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS / DYN.	LOADS: OTHER REQ'D / INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3FWS*FCV520	STM GEN LVL CONTROL WESTINGHOUSE NSSS NAMCO	001 EA-170	MSV 00041	DM									D	Y
3FWS*FCV530	STM GEN LVL CONTROL WESTINGHOUSE NSSS NAMCO	001 EA-170	MSV 00041	DM									D	Y
3FWS*FCV540	STM GEN LVL CONTROL WESTINGHOUSE NSSS NAMCO	001 EA-170	MSV 00041	DM									D	Y
FE - FLOW ELEMENT														
3FWS*FE510	STM GEN LVL CONTROL	001	TB 00051	DM									D	
3FWS*FE530	STM GEN LVL CONTROL	001	TB 00051	DM									D	
3FWS*FE540	STM GEN LVL CONTROL	001	TB 00051	DM									D	
LI - INDICATOR,LEVEL														

REPORT NO. HSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWS - FEEDWATER - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODED	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	LOADS: ANLYS	TEST	TEST FREQ	TEST DIR	GUAL METH: F/B	S/S	NAT FREQS: VERT	STATUS: SQ	INS
3FWS*LI501	STM GEN LVL (WIDE RANGE)	001	CB	00048	EM											D	
3FWS*LI501A	STM GEN LVL (WIDE RANGE)	001	CB	00004	EM											D	
3FWS*LI502	STM GEN LVL (WIDE RANGE)	001	CB	00048	EM											D	
3FWS*LI502A	STM GEN LVL (WIDE RANGE) WESTINGHOUSE *	15880,REV 2 001	CB	00004	CH NS(B)017 REV1B IEEE 323	Y	N	.40.15	N	MF	MD	NA	NA	NA		A	
3FWS*LI503	STM GEN LVL (WIDE RANGE)	001	CB	00048	EM											D	
3FWS*LI504	STM GEN LVL (WIDE RANGE)	001	CB	00048	EM											D	
3FWS*LI517	STM GEN LVL PROT SET IV	001	CB	00048	EM											D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWS - FEEDWATER - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3FWS*LI518	STM GEN LVL PROT SET III	001	CB	00048	EM										D	
3FWS*LI519	STM GEN LVL CONTROL	001	CB	00048	EM										D	
3FWS*LI527	STM GEN LVL PROT SET IV	001	CB	00048	EM										D	
3FWS*LI528	STM GEN LVL PROT SET III	001	CB	00048	EM										D	
3FWS*LI529	STM GEN LVL CONTROL	001	CB	00048	EM										D	
3FWS*LI537	STM GEN LVL PROT SET IV	001	CB	00048	EM										D	
3FWS*LI537A	STM GEN LVL PROT SET IV	001	CB	00004	EM										D	

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PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM FWS - FEEDWATER - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWS*LI538	STM GEN LVL PROT SET III	001	CB	00048	EM										D	
3FWS*LI539	STM GEN LVL CONTROL	001	CB	00048	EM										D	
3FWS*LI547	STM GEN LVL PROT SET IV	001	CB	00048	EM										D	
3FWS*LI548	STM GEN LVL PROT SET III	001	CB	00048	EM										D	
3FWS*LI548A	STM GEN LVL PROT SET III	001	CB	00004	EM										D	
3FWS*LI549	STM GEN LVL CONTROL	001	CB	00048	EM										D	

LT - TRANSMITTER,LEVEL

3FWS*LT501	STM GEN LVL (WIDE RANGE)	W-001 001	CS	00024	EM	Y	N	2.1	S	NA	NA	*	33+		A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWS - FEEDWATER - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3FWS*LT502	STM GEN LVL (WIDE RANGE)	W-001 001	CS	00024	EM	Y	N	2.1	S	NA	NA	*	33+		A	Y
3FWS*LT503	STM GEN LVL (WIDE RANGE)	W-001 001	CS	00024	EM	Y	N	2.1	S	NA	NA	*	33+		A	Y
3FWS*LT504	STM GEN LVL (WIDE RANGE)	W-001 001	CS	00024	EM	Y	N	2.1	S	NA	NA	*	33+		A	Y
3FWS*LT517	STM GEN LVL PROT SET IV	001	CS	00024	EM										D	Y
3FWS*LT518	STM GEN LVL PROT SET III	001	CS	00024	EM										D	Y
3FWS*LT519	STM GEN LVL CONTROL	001	CS	00024	EM										D	Y
3FWS*LT527	STM GEN LVL PROT SET IV	001	CS	00024	EM										D	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWS - FEEDWATER - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS DYN.	OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWS*LT528	STM GEN LVL PROT SET III	001	CS	00024	EM									D	Y
3FWS*LT529	STM GEN LVL CONTROL	001	CS	00024	EM									D	Y
3FWS*LT537	STM GEN LVL PROT SET IV	001	CS	00024	EM									D	Y
3FWS*LT538	STM GEN LVL PROT SET III	001	CS	00024	EM									D	Y
3FWS*LT539	STM GEN LVL CONT	001	CS	00024	EM									D	Y
3FWS*LT547	STM GEN LVL PROT SET IV	001	CS	00024	EM									D	Y
3FWS*LT548	STM GEN LVL PROT SET III	001	CS	00024	EM									D	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM FWS - FEEDWATER - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS DYN.	OTHER	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWS*LT589	STM GEN LVL CONTROL	001	CS	00024	EM											D	Y

SOV - VALVE,SOLENOID

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS DYN.	OTHER	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3FWS*SOV510	STM GEN LVL CONTROL WESTINGHOUSE ASCO	W-001 001	MSV	00044	EM IEEE-323,344	Y	N	2.1	S	NA	NA		*	33+			Y
3FWS*SOV520	STM GEN LVL CONTROL WESTINGHOUSE ASCO	W-001 001	MSV	00044	EM IEEE-323,344	Y	N	2.1	S	NA	NA		*	33+			Y
3FWS*SOV530	STM GEN LVL CONTROL WESTINGHOUSE ASCO	W-001 001	MSV	00044	EM IEEE-323,344	Y	N	2.1	S	NA	NA		*	33+			Y
3FWS*SOV540	STM GEN LVL CONTROL WESTINGHOUSE ASCO	W-001 001	MSV	00044	EM IEEE-323,344	Y	N	2.1	S	NA	NA		*	33+			Y

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PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM GSN - GAS-NITROGEN - SYSTEM (NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER	REQ'D INPUT (ZPA)	LOADS: DYN.	ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT																		
CTV - VALVE,CONTAINMENT,TRIP																		
3GSN*CTV105	N2 CONT ISOL		CS	00021	DM	Y	N	3G		S	NA	NA		33+			A	Y
	FISHER	FQP-22-2			NA													
	667NS-ES	185			ASME III,CL2													
	NAMCO LIMIT SWITCH	EA 180																
CV - VALVE,CONTAINMENT ISOLATION, (WESTINGHOUSE)																		
3GSN*CV8033	PRZ RLF TK N2 SPLY ISOL		AB	00004	DM	Y	N	3G		S	NA	NA		33+			A	Y
	FISHER	FQP-22-2			NA													
	667NS-ES	185			ASME III,CL2													
	NAMCO LIMIT SWITCH	EA 180																
SOV - VALVE,SOLENOID																		
3GSN*SOV105	N2 CONT ISOL		CS	00005	EM	Y	N	3G		N	SF	SD		35+			A	Y
	FISHER	AQR-67368			NA													
		185			IEEE,323,344,382													
	ASCO SOLENOID	NPK 8320																
SV - VALVE;SOLENOID,(WESTINGHOUSE)																		
3GSN*SV8033	PRZ RLF TK N2 SPLY ISOL		AB	00004	EM	Y	N	3G		N	SF	SD		35+			A	Y
	FISHER	AQR-67368			NA													
		185			IEEE,323,344,382													
	ASCO SOLENOID	NPK 8320																

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM GWS - GASEOUS WASTE(RADIOACTIVE)-SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS / OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SHEC EQUIPMENT																
AOD - DAMPER,AIR OPERATED																
3GWS*AOD78A	GAS WASTE TO UNIT 1 STACK ISL AMERICAN WARMING AWV-7402 NAMCO LIMIT SWITCH	 80271-301 594 EA740	AB		CW NS(B)-007,REV.0B IEEE-323,344,382	Y	N	.56.20	N	SF	SD	35+	29	29	A	
3GWS*AOD78B	GAS WASTE TO UNIT 1 STACK ISL AMERICAN WARMING AWV-7402 NAMCO LIMIT SWITCH	 80271-301 594 EA740	AB		CW NS(B)-007,REV.0B IEEE-323,344,382	Y	N	.56.20	N	SF	SD	35+	29	29	A	
SOV - VALVE,SOLENOID																
3GWS*SOV78A	GAS WASTE TO UNIT 1 STACK ISL AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR67638 594 NPK8320E	AB	00090	DM NS(B)-007,REV.0B IEEE-323,344,382,627	Y	N	.56.20	N	SF	SD		35+		A	
3GWS*SOV78B	GAS WASTE TO UNIT 1 STACK ISL AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR67638 594 NPK8320E	AB	00090	DM NS(B)-007,REV.0B IEEE-323,344,382,627	Y	N	.56.20	N	SF	SD		35+		A	

REPORT NO. MSSQT1

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HCS - HYDROGEN RECOMBINER SYSTEM (POST DBA)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS / OTHER / DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT															
AI - INDICATOR,ANALYZER															
3HCS*AI2A1	H2 ANALYZER ROCKWELL INTERNATION DELPHI	075 N/A	CB		2179-NS(T)-077 ASME III,CL2		1							D	
3HCS*AI2A2	H2 ANALYZER ROCKWELL INTERNATION DELPHI	075 N/A	HRB		2179-NS(T)-077 ASME III,CL2		1							D	
3HCS*AI2A3	H2 ANALYZER	075	HRB		2179-NS(T)-077 ASME III,CL2		1							D	
3HCS*AI2B1	H2 ANALYZER ROCKWELL INTERNATION DELPHI	075 N/A	HRB		12179-NS(T)-077 ASME III,CL2									D	
3HCS*AI2B2	H2 ANALYZER ROCKWELL INTERNATION DELPHI	075 N/A	HRB		12179-NS(T)-077 ASME III,CL2									D	
3HCS*AI2B3	H2 ANALYZER	075	CB		12179-NS(T)-077 ASME III,CL2									D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HCS - HYDROGEN RECOMBINER SYSTEM (POST DBA)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS / DYN.	LOADS: OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
AS - SWITCH,ANALYZER															
3HCS*AS2A	H2 ANALYZER		HRB											D	
	ROCKWELL INTERNATION				12179-NS(T)-077										
		075			ASME III,CL2										
	DELPHI	N/A													
3HCS*AS2B	H2 ANALYZER		HRB		EM									D	
	WESTINGHOUSE	*			12179-NS(T)-077										
		075			ASME										
	DELPHI	N/A													
FE - FLOW ELEMENT															
3HCS*FE1A	RADIANT HTR FLOW & TEMP IN		HRB											D	
	ROCKWELL INTERNATION				12179-NS(T)-077										
		075			ASME III,CL2										
3HCS*FE1B	RADIANT HTR FLOW & TEMP IN		HRB											D	
	ROCKWELL INTERNATION				12179-NS(T)-077										
		075			ASME III,CL2										
FI - INDICATOR,FLOW															
3HCS*FI1A	RADIANT HTR FLOW & TEMP IN		HRB											D	
	ROCKWELL INTERNATION				12179-NS(T)-077										
		075			ASME III,CL2										

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HCS - HYDROGEN RECOMBINER SYSTEM (POST DBA)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HCS*FI1B	RADIANT HTR FLOW & TEMP IN ROCKWELL INTERNATION	075	HRB		12179-NS(T)-077 ASME III,CL2										D	
3HCS*FI2A	H2 ANALYZER ROCKWELL INTERNATION DELPHI	075 N/A	HRB		12179-NS(T)-077 ASME III,CL2										D	
3HCS*FI2B	H2 ANALYZER ROCKWELL INTERNATION DELPHI	075 N/A	HRB		12179-NS(T)-077 ASME III,CL2										D	
3HCS*FI3A	0% H2 CALIB GAS ROCKWELL INTERNATION DELPHI	075 N/A	HRB		12179-NS(T)-077 ASME III,CL2										D	
3HCS*FI3B	0% H2 CALIB GAS	075	HRB		12179-NS(T)-077 ASME III,CL2										D	
FS - SWITCH,FLOW																
3HCS*FS1A	RADIANT HTR FLOW & TEMP IN ROCKWELL INTERNATION	075	HRB		12179-NS(T)-077 ASME III,CL2										D	
3HCS*FS1B	RADIANT HTR FLOW & TEMP IN ROCKWELL INTERNATION	075	HRB		12179-NS(T)-077 ASME III,CL2										D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HCS - HYDROGEN RECOMBINER SYSTEM (POST DBA)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	LOADS: SEIS DYN.	OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	NAT FREQS: TEST FREQ	F/B DIR	S/S	VERT	STATUS: SQ	INS
FT - TRANSMITTER,FLOW														
3HCS*FT1A	RADIANT HTR FLOW & TEMP IN ROCKWELL INTERNATION	075	HRB	12179-NS(T)-077 ASME III,CL2									D	
3HCS*FT1B	RADIANT HTR FLOW & TEMP IN ROCKWELL INTERNATION	075	HRB	12179-NS(T)-077 ASME III,CL2									D	
PI - INDICATOR,PRESSURE														
3HCS*PI1A	RADIANT HTR FLOW & TEMP IN ROCKWELL INTERNATION	075	HRB	12179-NS(T)-077 ASME III,CL2									D	
3HCS*PI1B	RADIANT HTR FLOW & TEMP IN ROCKWELL INTERNATION	075	HRB	12179-NS(T)-077 ASME III,CL2									D	
3HCS*PI2A	AIR BLAST HX PRESS OUT ROCKWELL INTERNATION	075	HRB	12179-NS(T)-077 ASME III,CL2									D	
3HCS*PI2B	AIR BLAST HX PRESS OUT ROCKWELL INTERNATION	075	HRB	12179-NS(T)-077 ASME III,CL2									D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HCS - HYDROGEN RECOMBINER SYSTEM (POST DBA)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	LOADS: SEIS / DYN.	OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS / TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ INS
PS - SWITCH,PRESSURE												
3HCS*PS1A	RADIANT HTR FLOW & TEMP IN		HRB									D
	ROCKWELL INTERNATION			12179-NS(T)-077								
		075		ASME III,CL2								
	DELPHI	N/A										
3HCS*PS1B	RADIANT HTR FLOW & TEMP IN		HRB									D
	ROCKWELL INTERNATION			12179-NS(T)-077								
		075		ASME III,CL2								
	DELPHI	N/A										
3HCS*PS2A	H2 ANALYZER		HRB									D
	ROCKWELL INTERNATION			12179-NS(T)-077								
		075		ASME III,CL2								
	DELPHI	N/A										
3HCS*PS2B	H2 ANALYZER		HRB									D
	ROCKWELL INTERNATION			12179-NS(T)-077								
		075		ASME III,CL2								
	DELPHI	N/A										
PT - TRANSMITTER,PRESSURE												
3HCS*PT1A	RADIANT HTR FLOW & TEMP IN		HRB									D
	ROCKWELL INTERNATION			12179-NS(T)-077								
		075		ASME III,CL2								
3HCS*PT1B	RADIANT HTR FLOW & TEMP IN		HRB									D
	ROCKWELL INTERNATION			12179-NS(T)-077								
		075		ASME III,CL2								

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HCS - HYDROGEN RECOMBINER SYSTEM (POST DBA)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS / DYN.	LOADS: OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HCS*PT2A	AIR BLAST HX PRESS OUT		HRB										D	
	ROCKWELL INTERNATION			12179-NS(T)-077										
		075		ASME III,CL2										
	DELPHI	N/A												
3HCS*PT2B	AIR BLAST HX PRESS OUT		HRB										D	
	ROCKWELL INTERNATION			12179-NS(T)-077										
		075		ASME III,CL2										
	DELPHI	N/A												
RBNR - RECOMBINER														
3HCS*RBNR	HYDR RECOMB TRICK L HTR		HRB 00024										D	Y
				12179-NS(T)-077										
		075		ASME III,CL2										
3HCS*RBNR1A	HYDROGEN RECOMBINER UNIT		HRB 00024										D	Y
	ROCKWELL INTERNATION			12179-NS(T)-077										
		075		ASME III,CL2										
	THERMAL RECOMBINER	N/A												
3HCS*RBNR1B	HYDROGEN RECOMBINER UNIT		HRB 00024										D	Y
	ROCKWELL INTERNATION			12179-NS(T)-077										
		075		ASME III,CL2										
	THERMAL RECOMBINER	N/A												
SOV - VALVE,SOLENOID														
3HCS*SOV10A	4% H2 CALIB GAS		HRB										D	
	ROCKWELL INTERNATION			12179-NS(T)-077										
		075		ASME III,CL2										
	DELPHI	N/A												

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HCS - HYDROGEN RECOMBINER SYSTEM (POST DBA)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG RRS REF CODES	LOADS: SEIS DYN.	OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HCS*SOV10B	4% H2 CALIB GAS		HRB										D	
	ROCKWELL INTERNATION			12179-NS(T)-077										
		075		ASME III,CL2										
	DELPHI	N/A												
3HCS*SOV11A	0% H2 CALIB GAS		HRB										D	
	ROCKWELL INTERNATION			12179-NS(T)-077										
		075		ASME III,CL2										
	DELPHI	N/A												
3HCS*SOV11B	0% H2 CALIB GAS		HRB										D	
	ROCKWELL INTERNATION			12179-NS(T)-077										
		075		ASME III,CL2										
	DELPHI	N/A												
3HCS*SOV6A	BLOWER OUTLET		HRB										D	
	ROCKWELL INTERNATION			12179-NS(T)-077										
		075		ASME III,CL2										
	DELPHI	N/A												
3HCS*SOV6B	BLOWER OUTLET		HRB										D	
	ROCKWELL INTERNATION			12179-NS(T)-077										
		075		ASME III,CL2										
	DELPHI	N/A												
3HCS*SOV7A	DIVERT VALVE		HRB										D	
	ROCKWELL INTERNATION			12179-NS(T)-077										
		075		ASME III,CL2										
	DELPHI	N/A												
3HCS*SOV7B	DIVERT VALVE		HRB										D	
	ROCKWELL INTERNATION			12179-NS(T)-077										
		075		ASME III,CL2										
	DELPHI	N/A												

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HCS - HYDROGEN RECOMBINER SYSTEM (POST DBA)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	LOADS: SEIS / DYN.	OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ INS
3HCS*SOV8A	H2 MON		HRB										D
	ROCKWELL INTERNATION			12179-NS(T)-077									
		075		ASME III,CL2									
	DELPHI	NA											
3HCS*SOV8B	H2 MON		HRB										D
	ROCKWELL INTERNATION			12179-NS(T)-077									
		075		ASME III,CL2									
	DELPHI	N/A											
3HCS*SOV9A	0.5% H2 CALIB GAS		HRB										D
	ROCKWELL INTERNATION			12179-NS(T)-077									
		075		ASME III,CL2									
	DELPHI	N/A											
3HCS*SOV9B	0.5% H2 CALIB GAS		HRB										D
	ROCKWELL INTERNATION			12179-NS(T)-077									
		075		ASME III,CL2									
	DELPHI	N/A											
TE - TEMPERATURE ELEMENT, PRIMARY													
3HCS*TE1A	RADIANT HTR FLOW & TEMP IN		HRB										D
	ROCKWELL INTERNATION			12179-NS(T)-077									
		075		ASME III,CL2									
3HCS*TE1B	RADIANT HTR FLOW & TEMP IN		HRB										D
	ROCKWELL INTERNATION			12179-NS(T)-077									
		075		ASME III,CL2									
3HCS*TE3A	RADIANT HTR INNER TEMP		HRB										D
	ROCKWELL INTERNATION			12179-NS(T)-077									
		075		ASME III,CL2									

REPORT NO. MSSQ71

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HCS - HYDROGEN RECOMBINER SYSTEM (POST DBA)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS DYN.	LOADS: OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HCS*TE3B	RADIANT HTR INNER TEMP ROCKWELL INTERNATION	075	HRB	12179-NS(T)-077 ASME III,CL2									D	
3HCS*TE4A1	RADIANT HTR TEMP OUT ROCKWELL INTERNATION	075	HRB	12179-NS(T)-077 ASME III,CL2									D	
3HCS*TE4A2	RADIANT HTR TEMP OUT ROCKWELL INTERNATION	075	HRB	12179-NS(T)-077 ASME III,CL2									D	
3HCS*TE4B1	RADIANT HTR TEMP OUT ROCKWELL INTERNATION	075	HRB	12179-NS(T)-077 ASME III,CL2									D	
3HCS*TE4B2	RADIANT HTR TEMP OUT ROCKWELL INTERNATION	075	HRB	12179-NS(T)-077 ASME III,CL2									D	
3HCS*TE5A1	REACTION CHAMBER TEMP ROCKWELL INTERNATION	075	HRB	12179-NS(T)-077 ASME III,CL2									D	
3HCS*TE5A2	REACTION CHAMBER TEMP ROCKWELL INTERNATION	075	HRB	12179-NS(T)-077 ASME III,CL2									D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HCS - HYDROGEN RECOMBINER SYSTEM (POST DBA)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	LOADS: SEIS / OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS / TEST / TEST FREQ DIR	NAT FREQS: F/B / S/S / VERT	STATUS: SQ / INS
3HCS*TE5B1	REACTION CHAMBER TEMP ROCKWELL INTERNATION	075	HRB	12179-NS(T)-077 ASME III,CL2					D
3HCS*TE5B2	REACTION CHAMBER TEMP ROCKWELL INTERNATION	075	HRB	12179-NS(T)-077 ASME III,CL2					D
3HCS*TE6A	REACTION CHAMBER TEMP OUT ROCKWELL INTERNATION	075	HRB	12179-NS(T)-077 ASME III,CL2					D
3HCS*TE6B	REACTION CHAMBER TEMP OUT ROCKWELL INTERNATION	075	HRB	12179-NS(T)-077 ASME III,CL2					D
3HCS*TE7A	H2 RECOMB TEMP OUT ROCKWELL INTERNATION	075	HRB	12179-NS(T)-077 ASME III,CL2					D
3HCS*TE7B	H2 RECOMB TEMP OUT ROCKWELL INTENATION	075	HRB	12179-NS(T)-077 ASME III,CL2					D

TIS - SWITCH,INDICATING,TEMPERATURE

3HCS*TIS6A	REACTION CHAMBER TEMP OUT ROCKWELL INTERNATION	075	HRB	12179-NS(T)-077 ASME III,CL2					D

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HCS - HYDROGEN RECOMBINER SYSTEM (POST DBA)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF / CODES	LOADS: SEIS / DYN.	OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HCS*TIS6B	REACTION CHAMBER TEMP OUT ROCKWELL INTERNATION	075	HRB		12179-NS(T)-077 ASME III,CL2									D	
3HCS*TIS7A	H2 RECOMB TEMP OUT ROCKWELL INTERNATION	075	HRB		12179-NS(T)-077 ASME III,CL2									D	
3HCS*TIS7B	H2 RECOMB TEMP OUT ROCKWELL INTERNATION	075	HRB		12179-NS(T)-077 ASME III,CL2									D	

TS - SWITCH,TEMPERATURE

3HCS*TS1A	RADIANT HTR FLOW & TEMP IN	075	HRB		12179-NS(T)-077 ASME III,CL2									D	
3HCS*TS1B	RADIANT HTR FLOW & TEMP IN ROCKWELL INTERNATION	075	HRB		12179-NS(T)-077 ASME III,CL2									D	
3HCS*TS3A	RADIANT HTR INNER TEMP ROCKWELL INTERNATION	075	HRB		12179-NS(T)-077 ASME III,CL2									D	
3HCS*TS3B	RADIANT HTR INNER TEMP ROCKWELL INTERNATION	075	HRB		12179-NS(T)-077 ASME III,CL2									D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 1 11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HCS - HYDROGEN RECOMBINER SYSTEM (POST DBA)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
AR - RECORDER,ANALYZER																
3HCS*AR2A	H2 ANALYZER FOXBORO ELECTRONIC RECORDERS	392 N-226S-16	CB		12179-NS(T)-077 ASME III,CL2										D	
AY - ANALYSER CONVERTER																
3HCS*AY2A2	H2 ANALYZER FOXBORO N-2AI-I2V I/E CONVERTER	QOAAB35 392 N-2AI-I2V	HRB	RM	NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
3HCS*AY2B2	H2 ANALYZER FOXBORO N-2AI-I2V I/E CONVERTER	QOAAB35 392 N-2AI-I2V	CB	RM	NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HTS - HEAT TRACING - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT																
X - TRANSFORMER																
3HTS*XF1A	HT TRACING XFMR PWR CONV PRODUCT	WYLE 45999-1 608	FB	00024	CW NS(B)-074,REV1B IEEE 344	Y	N	.22.15	N	MF	MD	18	22	18	A	
3HTS*XF1B	HT TRACING XFMR PWR CONV PRODUCT	WYLE 45999-1 608	FB	00024	CW NS(B)-074,REV1B IEEE 344	Y	N	.22.15	N	MF	MD	18	22	18	A	
3HTS*XF1C	HT TRACING AFMR PWR CONV PRODUCT	WYLE 45999-1 608	FB	00024	CW NS(B)-074,REV1B IEEE 344	Y	N	.22.15	N	MF	MD	18	22	18	A	
3HTS*XF2A	HT TRACING XFMR PWR CONV PRODUCT	WYLE 45999-1 608	FB	00024	CW NS(B)-074,REV1B IEEE 344	Y	N	.22.15	N	MF	MD	18	22	18	A	
3HTS*XF2B	HT RACI.G XFMR PWR CONV PRODUCT	WYLE 45999-1 608	FB	00024	CW NS(B)-074,REV1B IEEE 344	Y	N	.22.15	N	MF	MD	18	22	18	A	
3HTS*XF2C	HT TRACING XFMR PWR CONV PRODUCT	WYLE 45999-1 608	FB	00024	CW NS(B)-074,REV1B IEEE 344	Y	N	.22.15	N	MF	MD	18	22	18	A	

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PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HTS - HEAT TRACING - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
XA - TRANSFORMER AUXILIARIES																
3HTS*XA3A	HT TRACING XFMR PWR CONVRSN PRODUCTS	WYLE 45999-1 608	HRB 00038		CW NS(T)-077,REV 0B IEEE 344	Y	N	.23.13	N	MF	MD	18	22	18	A	
	PWR CONVRSN PRODUCTS	30KVA														
3HTS*XA3B	HT TRACING XFMR PWR CONVRSN PRODUCTS	WYLE 45999-1 608	HRB 00038		CW NS(T)-077,REV0B IEEE 344	Y	N	.23.13	N	MF	MD	18	22	18	A	
	PWR CONVRSN PRODUCTS	30KVA														
3HTS*XA3C	HT TRACING XFMR PWR CONVRSN PRODUCTS	WYLE 45999-1 608	HRB 00038		CW NS(T)-077,REV0B IEEE 344	Y	N	.23.13	N	MF	MD	18	22	18	A	
	PWR CONVRSN PRODUCTS	30KVA														
3HTS*XA4A	HT TRACING XFMR PWR CONVRSN PRODUCTS	WYLE 45999-1 608			NA NA IEEE 344	Y	N	NA	N	MF	MD	18	22	18	A	
	PWR CONVRSN PRODUCTS	30KVA														
3HTS*XA4B	HT TRACING XFMR PWR CONVRSN PRODUCTS	WYLE 45999-1 608			NA NA IEEE 344	Y	N	NA	N	MF	MD	18	22	18	A	
	PWR CONVRSN PRODUCTS	30KVA														
3HTS*XA4C	HT TRACING XFMR PWR CONVRSN PRODUCTS	WYLE 45999-1 608			NA NA IEEE 344	Y	N	NA	N	MF	MD	18	22	18	A	
	PWR CONVRSN PRODUCTS	30KVA														

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	HTG	RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT																		
DMP - DAMPER																		
3HVC*DMP122	DAMPER						Y	N		S	NA	NA		33+	NA	NA		Y
	NVC-42	90267-1				AMCA-500-75												
3HVC*DMP123	DAMPER						Y	N		S	NA	NA		33+	NA	NA		Y
	NVC-42	90267-1				AMCA-500-75												
3HVC*DMP128	DAMPER						Y	N		S	NA	NA		33+	NA	NA		Y
	NVC-42	90267-1				AMCA-500-75												
FLT - FILTER																		
3HVC*FLT1A	CONTROL ROOM AIR FILTER		CB	00064	CF		Y	N	.50.15	S	NA	NA		10.6	25+	25+	A	Y
	CVI	B253-9907-1				NS(B)-017 REV 1B												
		065				IEEE 344												
	FILTER	N/A																
3HVC*FLT1B	CONTROL ROOM AIR FILTER		CB	00064	CF		Y	N	.50.15	S	NA	NA		10.6	25+	25+	A	Y
	CVI	B253-9907-1				NS(B)-017 REV 1B												
		065				IEEE 344												
	FILTER	N/A																
FN - FAN																		

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS DYN.	LOADS: OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVC*FN3A	3. SNGR RM. EXH FAN		CB	00004	HM	Y	N .30.15	S	NA	NA		33+	33+	33+	A	Y
	BUFFALO FORGE	82325005-45			NS(B)-017-REV.1B											
	A1.5	140			AMCA STD/IEEE 323,344/NUREG-0588											
	WESTINGHOUSE	1.5 H.P.														
3HVC*FN3B	W. SNGR RM. EXH FAN		CB	00004	HM	Y	N .30.15	S	NA	NA		33+	33+	33+	A	Y
	BUFFALO FORGE	82325005-45			NS(B)-017-REV.1B											
	A1.5	140			AMCA STD/IEEE 323,344/NUREG-0588											
	WESTINGHOUSE	1.5 H.P.														
FN - FAN																
3HVC*FN1A	CNTL RM.EMER.AIR SUP.FN		CB	00064	RM	Y	N .50.15	Y	NA	NA		20+	20+	20+	A	Y
	BUFFALO FORGE	82325472-500			NS(B)-017-REV.1B											
	5E BLOWER	141			AMCA STD/IEEE 323,324/NUREG-0588											
	WESTINGHOUSE	7.5 H.P.														
3HVC*FN1B	CNTL RM.EMER.AIR SUP. FN		CB	00064	RM	Y	N .50.15	Y	NA	NA		20+	20+	20+	A	Y
	BUFFALO FORGE	82325472-500			NS(B)-017-REV.1B											
	5E BLOWER	141			AMCA STD/IEEE 323,324/NUREG-0588											
	WESTINGHOUSE	7.5 H.P.														
3HVC*FN2A	CHLR EQPT RM SPLY VENT. FAN		CB	00064	RM	Y	N .50.15	Y	NA	NA		20+	20+	20+	A	Y
	BUFFALO FORGE	82325472-500			NS(B)-017-REV.1B											
	300 BL	141			AMCA STD/IEEE 323,324/NUREG-0588											
	WESTINGHOUSE	1.5 H.P.														
3HVC*FN2B	*CH EQPT RM SPLY FAN		CB	0064	RM	Y	N .50.15	Y	NA	NA		20+	20+	20+	A	Y
	BUFFALO FORGE	82325472-500			NS(B)-017-REV.1B											
	300 BL	141			AMCA STD/IEEE 323,324/NUREG-0588											
	WESTINGHOUSE	1.5 H.P.														
3HVC*FN7A	CH EQUIP ROOM EXH. FAN		CB	00064	RM	Y	N .50.15	Y	NA	NA		20+	20+	20+	A	Y
	BUFFALO FORGE	82325472-500			NS(B)-017-REV.1B											
	300 BL	141			AMCA STD/IEEE 323,324/NUREG-0588.											
	WESTINGHOUSE	1 H.P.														

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVC*FN7B	CH EQUIP ROOM EXH. FAN		CB	00064	RM	Y	N	.50.15	Y	NA	NA		20+	20+	20+	A	Y
	BUFFALO FORGE	82325472-500			NS(B)-017-REV.1B												
	300 BL	141			AMCA STD/IEEE 323,324/NUREG-0588												
	WESTINGHOUSE	1 H.P.															
3HVC*FN9A	BAT RM 1 VENT EXH. FAN		CB	00004	RM	Y	N	.25.15	Y	NA	NA		20+	20+	20+	A	Y
	BUFFALO FORGE	82325472-500			NS(B)-017-REV.1B												
	21MW	141			AMCA STD/IEEE 323,324/NUREG-0588												
	WESTINGHOUSE	0.5 H.P.															
3HVC*FN9B	BAT RM 2 VENT EXH. FAN		CB	00004	RM	Y	N	.25.15	Y	NA	NA		20+	20+	20+	A	Y
	BUFFALO FORGE	82325472-500			NS(B)-017-REV.1B												
	245BL	141			AMCA STD/IEEE 323,324/NUREG-0588												
	WESTINGHOUSE	0.5 H.P.															
3HVC*FN9C	BAT RM 3 VENT EXH. FAN		CB	00004	RM	Y	N	.25.15	Y	NA	NA		20+	20+	20+	A	Y
	BUFFALO FORGE	82325472-500			NS(B)-017-REV.1B												
	21MW	141			AMCA STD/IEEE 323,324/NUREG-0588												
	WESTINGHOUSE	0.5 H.P.															
3HVC*FN9D	BAT RM 4 VENT EXH. FAN		CB	00004	RM	Y	N	.25.15	Y	NA	NA		20+	20+	20+	A	Y
	BUFFALO FORGE	82325472-500			NS(B)-017-REV.1B												
	245BL	141			AMCA STD/IEEE 323,324/NUREG-0588												
	WESTINGHOUSE	0.5 H.P.															
3HVC*FN9E	BAT RM 5 VENT EXH. FAN		CB	00004	RM	Y	N	.25.15	Y	NA	NA		20+	20+	20+	A	Y
	BUFFALO FORGE	82325472-500			NS(B)-017-REV.1B												
		141			AMCA STD/IEEE 323,324/NUREG-0588												
	WESTINGHOUSE	0.5 H.P.															

AOV - VALVE,AIR OPERATED

3HVC*AOV20	CONT RM VENT OUT ISOL VLV		CB	00064	DM	Y	N	3G	S	NA	NA		33 +			A	Y
	HENRY PRATT	D-0054-2			NA												
	NRS	339			ASME III,CL3												
	BETTIS																

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SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS DYN.	LOADS: OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVC*AOV21	CONT RM VENT OUT ISOL VLV		CB	00064	DM	Y	N	3G	S	NA	NA	33 +		A	Y
	HENRY PRATT	D-0054-2			NA										
	NRS	339			ASME III,CL3										
	BETTIS														
3HVC*AOV22	CONT RM VENT OUT ISOL VLV		CB	00064	DM	Y	N	3G	S	NA	NA	33+		A	Y
	HENRY PRATT	D-0054-1			NA										
	NRS	339			ASME III,CL3										
	BETTIS														
3HVC*AOV23	CONT RM VENT OUT ISOL VLV		CB	00064	DM	Y	N	3G	S	NA	NA	33+		A	Y
	HENRY PRATT	D-0054-1			NA										
	NRS	339			ASME III,CL3										
	BETTIS														
3HVC*AOV25	CONT RM VENT INL ISOL VLV		CB	00064	DM	Y	N	3G	S	NA	NA	33+		A	Y
	HENRY PRATT	D-0054-1			NA										
	NRS	339			ASME III,CL3										
	BETTIS														
3HVC*AOV26	CONT RM VENT INL ISOL VLV		CB	00064	DM	Y	N	3G	S	NA	NA	33+		A	Y
	HENRY PRATT	D-0054-1			NA										
	NRS	339			ASME III,CL3										
	BETTIS														

TC - CONTROLLER,TEMPERATURE

3HVC*TC166A	CONT RM TEMP CONT		CB		RM	Y	N		N	MF	MD	NA	NA	NA	D
	FOXBORO	Q0AAB42			NS(B)-017 REV 1B										
	N-2AC-A5	392			IEEE-322										
	PID CONTROLLER	N-2AC-A5													
3HVC*TC166B	CONT RM TEMP CONT		CB		RM	Y	N		N	MF	MD	NA	NA	NA	D
	FOXBORO	Q0AAB42			NS(B)-017 REV 1B										
	N-2AC-A5	392			IEEE 344,323										
	PID CONTROLLER	N-2AC-A5													

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG / RRS REF / CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3HVC*TC175A	INSTR RK RM TEMP CNTRL		CB		RM	Y	N		N	MF	MD	NA	NA	NA	C	
	FOXBORO	QOAAA05			NS(B)-017 REV 1B											
	N-2AX-+DIO	392			IEEE 344,323											
	P CONTROLLER	N-2AC-A2														
3HVC*TC175B	INSTR RK RM TEMP CNTRL		CB		RM	Y	N								C	
	FOXBORO	*			NS(B)-017 REV 1B											
	N-2AX+DIO	392			IEEE 344,323											
	P CONTROLLER	N-2AC-A2														
3HVC*TC209A	SWGR RMS TEMP CNTRL		CB		RM	Y	N		N	MF	MD	NA	NA	NA	D	
	FOXBORO	QOAAB42			NS(B)-017 REV 1B											
	N-2AC-A5	392			IEEE 344,323											
	PID CONTROLLER	N-2AC-A5														
3HVC*TC209B	SWGR RMS TEMP CNTRL		CB		RM	Y	N								D	
	FOXBORO				NS(B)-017 REV 1B											
	N-2AC-A5	392			IEEE 344,323											
	PID CONTROLLER	N-2AC-A5														

TIC - CONTROLLER,INDICATING,TEMPERATURE

3HVC*TIC166A	CONT RM TEMP CONT		CB		PM	Y	N	.40.15							D	
	FOXBORO	FOXBORO DC391			NS(B)-017 REV 1B											
	N-250HM&M2NH-F	392			IEEE 323											
	ELEC DISPLAY STATION	N-250HM+M2NH-F														
3HVC*TIC166B	CONT RM TEMP CONT		CB		PM	Y	N	.40.15							D	
	FOXBORO	FOXBORO DC391			NS(B)-017 REV 1B											
	N-250HM&M2NH-F	392			IEEE 323											
	ELEC DISPLAY STATION	N-250HM+M2NH-F														
3HVC*TIC175A	INSTR RK RM TEMP CNTRL		CB		PM	Y	N	.40.15							D	
	FOXBORO	FOXBORO DC391			NS(B)-017 REV 1B											
	N-250HM&M2NH-F	392			IEEE 323											
	ELEC DISPLAY STATION	N-250HM+M2NH-F														

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	TEST FREQ	TEST DIR	F/B	S/S	VERT	STATUS SQ	INS
3HVC*TIC175B	INSTR RK RM TEMP CNTRL		CB		PM	Y	N	.40.15							D	
	FOXBORO	FOXBORO DC391			NS(B)-017 REV 1B											
	N-250HM&M2NH-F	392			IEEE 323											
	ELEC DISPLAY STATION	N-250HM+M2NH-F														
3HVC*TIC209A	SWGR RMS TEMP CNTRL		CB		RM	Y	N	N	N	MF	MD	NA	NA	NA	A	
	FOXBORO	QOAAB67			NS(B)-017 REV 1B											
	N-250HM+M2NH-F	392			IEEE 344,323											
	ELEC DISPL STATIONS	N-250HM+M2NH-F														
3HVC*TIC209B	SWGR RMS TEMP CNTRL		CB		RM	Y	N	N	N	MF	MD	NA	NA	NA	A	
	FOXBORO	QOAAB67			NS(B)-017 REV 1B											
	N-250HM+M2NH-F	392			IEEE 344,323											
	ELEC DISPL STATIONS	N-250HM+M2NH-F														
TS - SWITCH,TEMPERATURE																
3HVC*TS209A1	SWGR RMS TEMP CNTRL		CB		RM	Y	N	N	N	MF	MD	NA	NA	NA	C	
	FOXBORO	QOAAB33			NS(B)-017 REV 1B											
	N-2AP+ALM-AR	392			IEEE 344,323											
	SIGNAL BISTABLES	N-2AP+ALM-AR														
3HVC*TS209A2	SWGR RMS TEMP CNTRL		CB		RM	Y	N	N	N	MF	MD	NA	NA	NA	C	
	FOXBORO	QOAAB33			NS(B)-017 REV 1B											
	N-2AP+ALM-AR	392			IEEE 344,323											
	SIGNAL BISTABLES	N-2AP+ALM-AR														
3HVC*TS209B1	SWGR ROOMS TEMP CNTL		CB		RM	Y	N	N	N	MF	MD	NA	NA	NA	C	
	FOXBORO	QOAAB33			NS(B)-017 REV 1B											
	N-2AP+ALM-AR	392			IEEE 344,323											
	SIGNAL BISTABLES	N-2AP+ALM-AR														
3HVC*TS209B2	SWGR RMS TEMP CNTRL		CB		RM	Y	N	N	N	MF	MD	NA	NA	NA	C	
	FOXBORO	QOAAB33			NS(B)-017 REV 1B											
	N-2AP+ALM-AR	392			IEEE 344,323											
	SIGNAL BISTABLES	N-2AP+ALM-AR														

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DOCKET NO. 50-423

SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

TY - RELAY,COMPUTING,SELECTING OR BOOSTER,TEMPERATURE

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG / RRS REF / CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3HVC*TY166A1	CONT RM TEMP CONT FOXBORO N-2AI-P2V R/E CONVERTER	 QOAAB29 392 N-2AI-P2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A	
3HVC*TY166A2	CONT RM TEMP CONT FOXBORO N-2AO+V2I E/I CONVERTER	 QOAAB50 392 N-2AO+V2I	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
3HVC*TY166B1	CONT RM TEMP CONT FOXBORO N-2AI-P2V R/E CONVERTER	 QOAAB29 392 N-2AI-P2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A	
3HVC*TY166B2	CONT RM TEMP CONT FOXBORO N-2AO-V2I E/I CONVERTER	 QOAAB50 392 N-2AO+V2I	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	
3HVC*TY175A1	INSTR RK RM TEMP CNTRL FOXBORO N-2AT-P2V R/E CONVERTER	 QOAAB29 392 N-2AI-P2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	A	
3HVC*TY175A2	INSTR RK RM TEMP CNTRL FOXBORO N-2AP+SUM SUMMER	 QOAAB47 392 N-2AP+SUM	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N								C	
3HVC*TY175A3	INSTR RK RM TEMP CNTRL FOXBORO N-2AO-V2I E/I CONVERTER	 QOAAB50 392 N-2AO+V2I	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD	NA	NA	NA	C	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS DYN.	LOADS: OTHER REQ INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVC*TY175B1	INSTR RK RM TEMP CNTRL FOXBORO N-2AI-P2V R/E CONVERTER	 Q0AAB29 392 N-2AI-P2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N	N	HF	MD	NA	NA	NA	A	
3HVC*TY175B3	INSTR RK RM TEMP CNTRL FOXBORO N-2AO-V2I E/I CONVERTER	 Q0AAB50 392 N-2AO+V2I	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N	N	HF	MD	NA	NA	NA	C	
3HVC*TY176A	INSTR RK RM TEMP CNTRL FOXBORO N-2AI-P2V R/E CONVERTER	 Q0AAB29 392 N-2AI-P2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N	N	HF	MD	NA	NA	NA	A	
3HVC*TY176B	INSTR RK RM TEMP CNTRL FOXBORO N-2AI-P2V R/E CONVERTER	 Q0AAB29 392 N-2AI-P2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N	N	HF	MD	NA	NA	NA	A	
3HVC*TY209A1	SWGR RMS TEMP CNTRL FOXBORO N-2AI-P2V R/E CONVERTER	 Q0AAB29 392 N-2AI-P2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N	N	HF	MD	NA	NA	NA	A	
3HVC*TY209A2	SWGR RMS TEMP CNTRL FOXBORO N-2AO-V2I E/I CONVERTER	 Q0AAB50 392 N-2AO+V2I	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N	N	HF	MD	NA	NA	NA	C	
3HVC*TY209A3	SWGR RMS TEMP CNTRL FOXBORO N-2AO-V2I E/I CONVERTER	 Q0AAB50 392 N-2AO+V2I	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N	N	HF	MD	NA	NA	NA	C	

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EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS DYN.	OTHER REQ'D INPUT (ZPA)	LOADS	QUAL METH: ANLYS	TEST	TEST FREQ	DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVC*TY209A4	SWGR RMS TEMP CNTRL FOXBORO N-2AP-SLM SIGNAL LIMITER	 QOAAB50 392 N-2AP-SLM	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD		NA	NA	NA	D	
3HVC*TY209B1	SWGR RMS TEMP CNTRL FOXBORO N-2AI-P2V R/E CONVERTER	 QOAAB29 392 N-2AI-P2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD		NA	NA	NA	A	
3HVC*TY209B2	SWGR RMS TEMP CNTRL FOXBORO N-2AO+V2I E/I CONVERTER	 QOAAB50 392 N-2AO+V2I	CB		RM ,323 IEEE 344,323	I	E	EE 344	N	MF	MD		NA	NA	NA	C	
3HVC*TY209B3	SWGR RMS TEMP CNTRL FOXBORO N-2AO-V2I E/I CONVERTER	 QOAAB50 392 N-2AO+V2I	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD		NA	NA	NA	C	
3HVC*TY209B4	SWGR RMS TEMP CNTRL FOXBORO N-2AP-SLM SIGNAL LIMITER	 QOAAB50 392 N-2AP-SLM	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N		N	MF	MD		NA	NA	NA	D	

DMP - DAMPER

3HVC*DMPF6	FIRE DAMPER 	 44453-1/0801 565	CB	00064	DM 12179-NS(B)-017 IEEE-344	Y	N	.50.15	N	MF	MD		NA	NA	NA	A	Y

DMPF - DAMPER,FIRE

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3HVC*DMPF1	FIRE DAMPER	44453-1/0801 565	CB	00064	RM 12179-NS(B)-017 IEEE-344	Y	N	.50.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF10	FIRE DAMPER	44453-1/0801 565	CB	00064	DM 12179-NS(B)-017 IEEE-344	Y	N	.50.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF11	FIRE DAMPER	44453-1/0801 565	CB	00047	DM 12179-NS(B)-017 IEEE-344	Y	N	.50.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF12	FIRE DAMPER	44453-1/0801 565	CB	00047	DM 12179-NS(B)-017 IEEE-344	Y	N	.50.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF13	FIRE DAMPER	44453-1/0801 565	CB	00047	DM 12179-NS(B)-017 IEEE-344	Y	N	.50.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF14	FIRE DAMPER	44453-1/0801 565	CB	00047	DM 12179-NS(B)-017 IEEE-344	Y	N	.50.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF15	FIRE DAMPER	44453-1/0801 565	CB	00047	DM 12179-NS(B)-017 IEEE-344	Y	N	.50.15	N	MF	MD	NA	NA	NA	A	Y

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SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVC*DMPF16	FIRE DAMPER	44453-1/0801 565	CB	00047	DM 12179-NS(B)-017 IEEE-344	Y	N	.50.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF17	FIRE DAMPER	44453-1/0801 565	CB	00047	DM 12179-NS(B)-017 IEEE-344	Y	N	.50.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF18	FIRE DAMPER	44453-1/0801 565	CB	00047	DM 12179-NS(B)-017 IEEE-344	Y	N	.50.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF19	FIRE DAMPER	44453-1/0801 565	CB	00047	DM 12179-NS(B)-017 IEEE-344	Y	N	.50.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF2	FIRE DAMPER	44453-1/0801 565	CB	00064	RM 12179-NS(B)-017 IEEE-344	Y	N	.50.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF20	FIRE DAMPER	44453-1/0801 565	CB	00047	DM 12179-NS(B)-017 IEEE-344	Y	N	.50.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF21	FIRE DAMPER	44453-1/0801 565	CB	00047	DM 12179-NS(B)-017 IEEE-344	Y	N	.50.15	N	MF	MD	NA	NA	NA	A	Y

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SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVC*DMPF24	FIRE DAMPER	44453-1/0801 565	CB	00004	DM 12179-NS(B)-017 IEEE-344	Y	N	.25.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF25	FIRE DAMPER	44453-1/0801 565	CB	00004	DM 12179-NS(B)-017 IEEE-344	Y	N	.25.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF26	FIRE DAMPER	44453-1/0801 565	CB	00004	DM 12179-NS(B)-017 IEEE-344	Y	N	.30.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF27	FIRE DAMPER	44453-1/0801 565	CB	00004	DM 12179-NS(B)-017 IEEE-344	Y	N	.30.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF28	FIRE DAMPER	44453-1/0801 565	CB	00004	DM 12179-NS(B)-017 IEEE-344	Y	N	.30.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF29	FIRE DAMPER	44453-1/0801 565	CB	00004	DM 12179-NS(B)-017 IEEE-344	Y	N	.30.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF30	FIRE DAMPER	44453-1/0801 565	CB	00004	DM 12179-NS(B)-017 IEEE-344	Y	N	.25.15	N	MF	MD	NA	NA	NA	A	Y

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UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVC*DMPF31	FIRE DAMPER	44453-1/0801 565	CB	00004	DM 12179-NS(B)-017 IEEE-344	Y	N	.30.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF33	FIRE DAMPER	44453-1/0801 565	CB	00004	DM 12179-NS(B)-017 IEEE-344	Y	N	.25.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF34	FIRE DAMPER	44453-1/0801 565	CB	00004	DM 12179-NS(B)-017 IEEE-344	Y	N	.25.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF35	FIRE DAMPER	44453-1/0801 565	CB	00004	DM 12179-NS(B)-017 IEEE-344	Y	N	.25.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF36	FIRE DAMPER	44453-1/0801 565	CB	00004	DM 12179-NS(B)-017 IEEE-344	Y	N	.25.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF37	FIRE DAMPER	44453-1/0801 565	CB	00004	DM 12179-NS(B)-017 IEEE-344	Y	N	.25.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF38	FIRE DAMPER	44453-1/0801 565	CB	00004	DM 12179-NS(B)-017 IEEE-344	Y	N	.25.15	N	MF	MD	NA	NA	NA	A	Y

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SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ	QUAL METH: DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVC*DMPF39	FIRE DAMPER	44453-1/0801 565	CB		DM 12179-NS(B)-017 IEEE-344	Y	N	.25.15	N	MF	MD		NA	NA	NA	A	Y
3HVC*DMPF4	FIRE DAMPER	44453-1/0801 565	CB	00064	RM 12179-NS(B)-017 IEEE-344	Y	N	.50.15	N	MF	MD		NA	NA	NA	A	Y
3HVC*DMPF42	FIRE DAMPER	44453-1/0801 565	CB	00004	DM 12179-NS(B)-017 IEEE-344	Y	N	.25.15	N	MF	MD		NA	NA	NA	A	Y
3HVC*DMPF43	FIRE DAMPER	44453-1/0801 565	CB	00004	DM 12179-NS(B)-017 IEEE-344	Y	N	.25.15	N	MF	MD		NA	NA	NA	A	Y
3HVC*DMPF50	FIRE DAMPER	44453-1/0801 565	CB	00024	DM 12179-NS(B)-017 IEEE-344	Y	N	.30.15	N	MF	MD		NA	NA	NA	A	Y
3HVC*DMPF51	FIRE DAMPER	44453-1/0801 565	CB	00024	DM 12179-NS(B)-017 IEEE-344	Y	N	.30.15	N	MF	MD		NA	NA	NA	A	Y
3HVC*DMPF52	FIRE DAMPER	44453-1/0801 565	CB	00024	DM 12179-NS(B)-017 IEEE-344	Y	N	.30.15	N	MF	MD		NA	NA	NA	A	Y

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3HVC*DMPF53	FIRE DAMPER	44453-1/0801 565	CB	00024	DM 12179-NS(B)-017 IEEE-344	Y	N	.30.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF54	FIRE DAMPER	44453-1/0801 565	CB	00024	DM 12179-NS(B)-017 IEEE-344	Y	N	.30.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF7	FIRE DAMPER	44453-1/0801 565	CB	00064	DM 12179-NS(B)-017 IEEE-344	Y	N	.50.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF8	FIRE DAMPER	44453-1/0801 565	CB	00004	DM 12179-NS(B)-017 IEEE-344	Y	N	.50.15	N	MF	MD	NA	NA	NA	A	Y
3HVC*DMPF9	FIRE DAMPER	44453-1/0801 565	CB	00064	DM 12179-NS(B)-017 IEEE-344	Y	N	.50.15	N	MF	MD	NA	NA	NA	A	Y
FLT - FILTER																
3HVC*FLT2	FILTER 2H28	NESE-718 565	CB	00004	DM 12179-NS(B)-017 ASME III,ASTM A500	Y	N	.25.15	N	SF	MD	14.9	11.5	40.0	A	Y
3HVC*FLT3	FILTER 2H28	NESE-718 565	CB	00004	DM 12179-NS(B)-017 ASME III	Y	N	.32.13	N	SF	MD	14.9	11.5	40.0	A	Y

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3HVC*FLT4A	FILTER		CB	00064	DM	Y	N	.50.15	N	SF	HD	14.9	11.5	40.0	A	
		NESE-718			12179-NS(B)-017											
	2H28	565			ASME III,ASTM A500											
DMP - DAMPER																
3HVC*DMPB11	BACKDRAFT DAMPER		CB	00004	HM	Y	N	.25.15	S	NA	NA	33+	NA	NA	A	Y
		90267-1			NS(B)-017											
	2230	583			AMCA-500-75											
3HVC*DMPB13A	BACKDRAFT DAMPER		CB	00004	HM	Y	N	.30.15	S	NA	NA	33+	NA	NA	A	Y
		90267-1			NS(B)-017											
	2230	583			AMCA-500-75											
3HVC*DMPB13B	BACKDRAFT DAMPER		CB	00004	HM	Y	N	.30.15	S	NA	NA	33+	NA	NA	A	Y
		90267-1			NS(B)-017											
	2230	583			AMCA-500-75											
3HVC*DMPB15A	BACKDRAFT DAMPER		CB	00064	HM	Y	N	.60.17	S	NA	NA	33+	NA	NA	A	Y
		90267-1			NS(B)-017											
	2230	583			AMCA-500-75											
3HVC*DMPB15B	BACKDRAFT DAMPER		CB	00064	HM	Y	N	.60.17	S	NA	NA	33+	NA	NA	A	Y
		90267-1			NS(B)-017											
	2230	583			AMCA-500-75											
3HVC*DMPB17A	BACKDRAFT DAMPER		CB	00064	HM	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
		90267-1			NS(B)-017											
	2230	583			AMCA-500-75											

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3HVC*DMPB17B	BACKDRAFT DAMPER		CB	00064	HM	Y	N	.60.17	S	NA	NA	33+	NA	NA	A	Y
	2230	90267-1 583			NS(B)-017 AMCA-500-75											
3HVC*DMPB20A	BACKDRAFT DAMPER		CB	00064	HM	Y	N	.60.17	S	NA	NA	33+	NA	NA	A	Y
	2230	90267-1 583			NS(B)-017 AMCA-500-75											
3HVC*DMPB20B	BACKDRAFT DAMPER		CB	00064	HM	Y	N	.60.17	S	NA	NA	33+	NA	NA	A	Y
	2230	90267-1 583			NS(B)-017 AMCA-500-75											
3HVC*DMPB22B	BACKDRAFT DAMPER		CB	00064	HM	Y	N	.30.15	S	NA	NA	33+	NA	NA	A	Y
	2230	90267-1 583			NS(B)-017 AMCA-500-75											
3HVC*DMPB4A	BACKDRAFT DAMPER		CB	00064	HM	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
	2230	90267-1 583			NS(B)-017 AMCA-500-75											
3HVC*DMPB4B	BACKDRAFT DAMPER		CB	00064	HM	Y	N	.60.17	S	NA	NA	33+	NA	NA	A	Y
	2230	90267-1 583			NS(B)-017 AMCA-500-75											
3HVC*DMPB5A	BACKDRAFT DAMPER		CB	00064	HM	Y	N	.60.17	S	NA	NA	33+	NA	NA	A	Y
	2230	90267-1 583			NS(B)-017 AMCA-500-75											

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVC*DMPB5B	BACKDRAFT DAMPER 2230	90267-1 583	CB	00064	HM AMCA-500-75	Y	N		S	NA	NA	33+	NA	NA	A	Y
3HVC*DMPB6B	BACKDRAFT DAMPER 2230	90267-1 583	CB	00064	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
3HVC*DMPB7	BACKDRAFT DAMPER 2230	90267-1 583	CB	00004	HM NS(B)-017 AMCA-500-75	Y	N	.25.15	S	NA	NA	33+	NA	NA	A	Y
3HVC*DMPB8A	BACKDRAFT DAMPER 2230	90267-1 583	CB	00004	HM NS(B)-017 AMCA-500-75	Y	N	.25.15	S	NA	NA	33+	NA	NA	A	Y
3HVC*DMP1	DAMPER NVC-42	90267-303 583	CB	00047	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
3HVC*DMP101	DAMPER NVC-42	90267-303 583	CB	00047	HM NS(B)-017 AMCA-500-75	Y	N	.40.15	S	NA	NA	33+	NA	NA	A	Y
3HVC*DMP104	DAMPER NVC-42	90267-303 583	CB	00047	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	LOADS: ANLYS	QUAL METH: TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVC*DMP105	DAMPER		CB	00047	HM	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP11	DAMPER		CB	00047	HM	Y	N	.60.17	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP119	DAMPER		CB	00047	HM	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP12	DAMPER		CB	00047	HM	Y	N	.60.17	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP120	DAMPER		CB	00047	HM	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP121	DAMPER		CB	00047	HM	Y	N	.40.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP129	DAMPER		CB	00047	HM	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVC*DMP13	DAMPER		CB	00064	HM	Y	N	.60.17	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP14	DAMPER		CB	00064	HM	Y	N	.60.17	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP15	DAMPER		CB	00064	HM	Y	N	.60.17	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP16	DAMPER		CB	00064	HM	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP17	DAMPER		CB	00064	HM	Y	N	.60.17	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP18	DAMPER		CB	00064	HM	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP19	DAMPER		CB	00064	HM	Y	N	.60.17	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVC*DMP2	DAMPER		CB	00047	HM	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP20	DAMPER		CB	00064	HM	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP21	DAMPER		CB	00064	HM	Y	N	.60.17	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP22	DAMPER		CB	00064	HM	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP23	DAMPER		CB	00064	HM	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP24	DAMPER		CB	00064	HM	Y	N	.60.17	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP25	DAMPER		CB	00064	HM	Y	N	.60.17	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVC*DMP26	DAMPER NVC-42	90267-303 583	CB	00064	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
3HVC*DMP27	DAMPER NVC-42	90267-303 583	CB	00064	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
3HVC*DMP28	DAMPER NVC-42	90267-303 583	CB	00064	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
3HVC*DMP3	DAMPER NVC-42	90267-303 583	CB	00047	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
3HVC*DMP33	DAMPER NVC-42	90267-303 583	CB	00064	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
3HVC*DMP34	DAMPER NVC-42	90267-303 583	CB	00064	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
3HVC*DMP35	DAMPER NVC-42	90267-303 583	CB	00064	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVC*DMP36	DAMPER		CB	00047	HM	Y	N	.50.15	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-017												
	NVC-42	583			AMCA-500-75												
3HVC*DMP37	DAMPER		CB	00047	HM	Y	N	.50.15	S	NA	NA		33+	NA	NA	A	
		90267-303			NS(B)-017												
	NVC-42	583			AMCA-500-75												
3HVC*DMP4	DAMPER		CB	00047	HM	Y	N	.50.15	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-017												
	NVC-42	583			AMCA-500-75												
3HVC*DMP40	DAMPER		CB	00004	HM	Y	N	.30.15	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-017												
	NVC-42	583			AMCA-500-75												
3HVC*DMP42	DAMPER		CB	00004	HM	Y	N	.25.15	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-017												
	NVC-42	583			AMCA-500-75												
3HVC*DMP43	DAMPER		CB	00004	HM	Y	N	.25.15	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-017												
	NVC-42	583			AMCA-500-75												
3HVC*DMP44	DAMPER		CB	00004	HM	Y	N	.25.15	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-017												
	NVC-42	583			AMCA-500-75												

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVC*DMP45	DAMPER		CB	00004	HM	Y	N	.30.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP46	DAMPER		CB	00004	HM	Y	N	.30.15	S	NA	NA	33+	NA	NA	B	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP47	DAMPER		CB	00004	HM	Y	N	.30.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP48	DAMPER		CB	00004	HM	Y	N	.25.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP49	DAMPER		CB	00004	HM	Y	N	.25.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP50	DAMPER		CB	00004	HM	Y	N	.30.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP51	DAMPER		CB	00004	HM	Y	N	.30.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVC*DMP52	DAMPER		CB	00004	HM	Y	N	.30.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP53	DAMPER		CB	00004	HM	Y	N	.30.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP54	DAMPER		CB	00004	HM	Y	N	.30.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP55	DAMPER		CB	00004	HM	Y	N	.30.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP56	DAMPER		CB	00004	HM	Y	N	.25.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP57	DAMPER		CB	00004	HM	Y	N	.30.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP59	DAMPER		CB	00064	HM	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											

REPORT NO. MSSQT1

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SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVC*DMP6A	BACKDRAFT DAMPER 2230	90267-1 583	CB	00064	HM NS(B)-017 AMCA-500-75	Y	N		S	NA	NA	33+	NA	NA	A	
3HVC*DMP60	DAMPER NVC-42	90267-303 583	CB	00064	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
3HVC*DMP62	DAMPER NVC-42	90267-303 583	CB	00047	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
3HVC*DMP63	DAMPER NVC-42	90267-303 583	CB	00047	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
3HVC*DMP64	DAMPER NVC-42	90267-303 583	CB	00047	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
3HVC*DMP68	DAMPER NVC-42	90267-303 583	CB	00047	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
3HVC*DMP72	DAMPER NVC-42	90267-303 583	CB	00047	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVC*DMP73	DAMPER		CB	00047	HM	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP77	DAMPER		CB	00047	HM	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP78	DAMPER		CB	00047	HM	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP8	DAMPER		CB	00047	HM	Y	N		S	NA	NA	33+	NA	NA	A	Y
		90267-303														
	NVC-42	583			AMCA-500-75											
3HVC*DMP82	DAMPER		CB	00047	HM	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP83	DAMPER		CB	00047	HM	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP86	DAMPER		CB	00047	HM	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											

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EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVC*DMP87	DAMPER NVC-42	90267-303 583	CB	00047	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
3HVC*DMP88	DAMPER NVC-42	90267-303 583	CB	00047	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
3HVC*DMP89	DAMPER NVC-42	90267-303 583	CB	00047	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
3HVC*DMP90	DAMPER NVC-42	90267-303 583	CB	00047	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
3HVC*DMP91	DAMPER NVC-42	90267-303 583	CB	00047	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
3HVC*DMP92	DAMPER NVC-42	90267-303 583	CB	00047	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
3HVC*DMP94	DAMPER NVC-42	90267-303 583	CB	00047	HM NS(B)-017 AMCA-500-75	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y

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SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	LOADS: ANLYS	QUAL METH: TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVC*DMP96	DAMPER		CB	00047	HM	Y	N	.40.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											
3HVC*DMP98	DAMPER		CB	00047	HM	Y	N	.50.15	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-017											
	NVC-42	583			AMCA-500-75											

AOD - DAMPER,AIR OPERATED

3HVC*AOD119A	EMER VENT RECIRC		CB	00064	CW	Y	N	.60.17	N	SF	SD	35+	29	29	A	Y
	AMERICAN WARMING	80271-301			NS(B)-017,REV1B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVC*AOD119B	EMER VENT RECIRC		CB	00064	CW	Y	N	.60.17	N	SF	SD	35+	29	29	A	Y
	AMERICAN WARMING	80271-301			NS(B)-017 REV 1B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVC*AOD179A	CMPTR RM TEMP CNTRL		CB	00057	CW	Y	N	.50.15	N	SF	SD	35+	29	29	A	Y
	AWV INC	80271-301			NS(B)-017 REV 1B											
	AWV-7402	594			IEEE-323,344,382											
3HVC*AOD179B	CMPTR RM TEMP CNTRL		CB	00057	CW	Y	N	.50.15	N	SF	SD	35+	29	29	A	Y
	AWV INC	80271-301			NS(B)-017 REV 1B											
	AWV-7402	594			IEEE-323,344,382											
3HVC*AOD179C	CMPTR RM TEMP CNTRL		CB	00057	CW	Y	N	.50.15	N	SF	SD	35+	29	29	A	Y
	AWV INC	80271-301			NS(B)-017 REV 1B											
	AWV-7402	594			IEEE-323,344,382											

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UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVC*AOD27A	CONT BLDG VENT IN		CB	00064	CW	Y	N	.60.17	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-017,REV1B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVC*AOD27B	CONT BLDG VENT IN		CB	00064	CW	Y	N	.60.17	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-017,REV1B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
MOD - DAMPER,MOTOR OPERATED																
3HVC*MOD33A	CONT BLDG EMER VENT INL.		CB	00064	CW	Y	N	.50.15	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-017 REV 1B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVC*MOD33B	CONT BLDG EMER VENT INL.		CB	00064	CW	Y	N	.50.15	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-017 REV 1B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
SOV - VALVE,SOLENOID																
3HVC*SOV119A	EMER VENT RECIRC		CB	00066	DM	Y	N	.60.17	N	SF	SD	*	35+		A	Y
	AMERICAN WARMING	AQR-67638			NS(B)-017 REV 1B											
	NPK8320A182E	594			IEEE-323,344,382,627											
	ASCO SOLENOID	NPK8320E														
3HVC*SOV119B	EMER VENT RECIRC		CB	00066	DM	Y	N	.60.17	N	SF	SD	*	35+		A	Y
	AMERICAN WARMING	AQR-67638			NS(B)-017 REV 1B											
	NPK8320A182E	594			IEEE-323,344,382,627											
	ASCO SOLENOID	NPK8320E														

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVC*SOV27A	CONT BLDG VENT IN AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR-67638 594 NPK8320E	CB	00085	DM NS(B)-017 REV 1B IEEE-323,344,382,627	Y	N	.60.17	N	SF	SD	*	35+		A	Y
3HVC*SOV27B	CONT BLDG VENT IN AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR-67638 594 NPK8320E	CB	00085	DM NS(B)-017 REV 1B IEEE-323,344,382,627	Y	N	.60.17	N	SF	SD	*	35+		A	Y

SOV - VALVE,SOLENOID

3HVC*SOV20	CONT RM VENT OUT ISOL VLV	 AQR-67368 609	CB		EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD		35+		A	Y
3HVC*SOV21	CONT RM VENT OUT ISOL VLV	 AQR-67638 609	CB	00064	EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD	*	35+		A	Y
3HVC*SOV22	CONT RM VENT OUT ISOL VLV	 AQR-67638 609	CB	00082	EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD	*	35+		A	Y
3HVC*SOV23	CONT RM VENT OUT ISOL VLV	 AQR-67638 609	CB	00064	EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD	*	35+		A	Y
3HVC*SOV25	CONT RM VENT INL ISOL VLV	 AQR-67638 609	CB	00082	EM NA IEEE,323,344,382	Y	N	3G	N	SF	SD	*	35+		A	Y

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PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

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SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS / DYN.	OTHER REQ'D / INPUT (ZPA)	LOADS: ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVC*SOV26	CONT RM VENT INL ISOL VLV	AQR-67638 / 609	CB	00064	EM / NA / IEEE-323,344,382	Y	N	3G	N	SF	SD	*	35+		A	Y
AAA - RESERVED																
3HVC*RIY16A	REMOTE MICROPROCESSOR / KAMAN SCIENCES / KEM-S(450953-004) / KAMAN	K-84-50/16683-8 / 624 / KDB (SPECIAL)	CB		CW / NS(B)-017,REV 1B / IEEE 323,344	Y	N	.60.17	N	MF	MD	24.0	24.0	28.0	B	Y
RE - RADIOACTIVITY ELEMENT, PRIMARY																
3HVC*RE16A	CONT BLDG RAD / KAMAN SCIENCES / P/N 451003-002 / KAMAN	K-84-50/K-84-1 / 624 / KDB (SP)	CB	00064	DM / NS(B)-017,REV 1B / IEEE-323,344	Y	N	.60.17	S	NA	NA	33+	33+	33+	A	Y
3HVC*RE16B	CONT BLDG RAD / KAMAN SCIENCES / P/N 451003-002 / KAMAN	K-84-50/K-84-1 / 624 / KDB (SP)	CB	00064	DM / NS(B)-017,REV 1B / IEEE-323,344	Y	N	.60.17	S	NA	NA	33+	33+	33+	A	Y
RIY - RADIATION INDICATING RELAY																
3HVC*RIY16B	REMOTE MICROPROCESSOR / KAMAN SCIENCES / KEM-S(450953-004) / KAMAN	K-84-50/16683-8 / 624 / KDB (SPECIAL)	CB		CW / NS(B)-017,REV 1B / IEEE 323,344	Y	N	.60.17	N	MF	MD	24.0	24.0	28.0	B	Y
PS - SWITCH,PRESSURE																

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SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

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3HVC*PS74A	AIR STOR TK OUT	*	CB		RM NS(B)-017 REV 1B	Y	N	.60.17							D	Y
	SB11AKR/TN10A32BRX	626			IEEE 323-1974&IEEE 344-1975											
	PRESSURE SWITCH	SB11AKR/TNA32BRX														
3HVC*PS74B	AIR STOR TK OUT		CB		RM NS(B)-017 REV 1B	Y	N	.60.17							D	Y
	SB11AKR/TN10A32BRX	626			IEEE 323-1974&IEEE 344-1975											
	PRESSURE SWITCH	SB11AKR/TNA32BRX														
ACU - AIR CONDITIONING UNIT																
3HVC*ACU1A	AC UNIT-CNTRL RM SUPPLY		CB	00064	F NS(B)-017 REV.1B	Y	N	.50.15	SD	NA	NA	31.8	18.9	30.9	A	Y
	BAHNSON	A-392-81			ASME III,CL3											
	C.P.22C-CW	648														
	WESTINGHOUSE	30 H.P.														
3HVC*ACU1B	AC UNIT-CNTRL RM SUPPLY		CB	00064	F NS(B)-017 REV.1B	Y	N	.50.15	SD	NA	NA	31.8	18.9	30.9	A	Y
	BAHNSON	A-392-81			ASME III,CL3											
	C.P.22C-CW	648														
	WESTINGHOUSE	30 H.P.														
3HVC*ACU2A	AC UNIT-INST. RACK & COMP. RM		CB	00064	F NS(B)-017 REV.1B	Y	N	.50.15	SD	NA	NA	31.8	18.9	30.9	A	Y
	BAHNSON	A-392-81			ASME III,CL3											
	C.P.32C-CW	648														
	WESTINGHOUSE	50 H.P.														
3HVC*ACU2B	AC UNIT-INST. RACK & COMP. RM		CB	00064	F NS(B)-017 REV.1B	Y	N	.50.15	SD	NA	NA	31.8	18.9	30.9	A	Y
	BAHNSON	A-392-81			ASME III,CL3											
	C.P.32C-CW	648														
	WESTINGHOUSE	50 H.P.														
3HVC*ACU3A	AC UNIT- E. SWGR RM		CB	00004	F NS(B)-017 REV.1B	Y	N	.25.15	SD	NA	NA	31.8	18.9	30.9	A	Y
	BAHNSON	A-392-81			ASME III,CL3											
	C.P.10C-CW	648														
	WESTINGHOUSE	15 H.P.														

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3HVC*ACU3B	AC UNIT- W. SWGR RM		CB	00004	F	Y	N	.25.15	SD	NA	NA	31.8	18.9	30.9	A	Y
	BAHNSON	A-392-81			NS(B)-017 REV.1B											
	C.P.10C-CW	648			ASME III,CL3											
	WESTINGHOUSE	15 H.P.														
3HVC*ACU4A	AC UNIT E SWGR RM		CB	00004	F	Y	N	.25.15	SD	NA	NA	31.8	18.9	30.9	A	Y
	BAHNSON	A-392-81			NS(B)-017 REV.1B											
	C.P.21C-CW	648			ASME III,CL3											
	WESTINGHOUSE	25 H.P.														
3HVC*ACU4B	AC UNIT W. SWGR RM		CB	00004	F	Y	N	.25.15	SD	NA	NA	31.8	18.9	30.9	A	Y
	BAHNSON	A-392-81			NS(B)-017 REV.1B											
	C.P.21C-CW	648			ASME III,CL3											
	WESTINGHOUSE	25 H.P.														
SOV - VALVE,SOLENOID																
3HVC*SOV74A	AIR STOR TK OUT		CB	00064	DM	Y	N	3G	S	NA	NA		33+		A	Y
	TARGET ROCK CORP	3040			NA											
	81V-005	654			ASME III,CL3											
	IN-LINE SOLENOID VLV	81V-015														
3HVC*SOV74B	AIR STOR TK OUT PRESS		CB	00064	DM	Y	N	3G	S	NA	NA		33+		A	Y
	TARGET ROCK CORP	3040			NA											
	81V-005	654			ASME III,CL3											
	IN-LINE SOLENOID VLV	81V-015														
DMP - DAMPER																
3HVC*DMPB18A	BACKDRAFT DAMPER		CB	00064	CW	Y	N	.60.17	S	NA	NA	77.1	70.3	168.0	A	Y
		DD-5771-3S			NS(B)-017											
	2230	668			NA											

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SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVC*DMPB18B	BACKDRAFT DAMPER	DD-5771-3S	CB	00064	CM / NS(B)-017	Y	N	.50.15	S		NA	NA	77.1	70.3	168.0	A	Y
	2230	668			NA												
3HVC*DMPB23	BACKDRAFT DAMPER	DD-5771-3S	CB	00064	HM / NS(B)-017,REV.1B	Y	N	.60.17	S		NA	NA	77.1	70.3	168.0	A	Y
		668			NA												
DMPT - DAMPER, TORNADO PROTECTION																	
3HVC*DMPT5A	TORNADO DAMPER	DO-5771-IS,REV.0	CB	00064	HM / NS(B)-017,REV.1B	Y	N	.60.17	S		NA	NA	51.3	92.5	78.3	A	Y
	QN-0665	668			NA												
3HVC*DMPT5B	TORNADO DAMPER	DO-5771-IS,REV.0	CB	00064	HM / NS(B)-017,REV.1B	Y	N	.60.17	S		NA	NA	51.3	92.5	78.3	A	Y
	QN-0665	668			NA												
3HVC*DMPT6A	TORNADO DAMPER	DO-5771-IS,REV.0	CB	00064	HM / NS(B)-017,REV.1B	Y	N	.60.17	S		NA	NA	51.3	92.5	78.3	A	Y
	QN-0665	668			NA												
3HVC*DMPT6B	TORNADO DAMPER	DO-5771-IS,REV.0	CB	00064	NS(B)-017,REV.1B	Y	N	.60.17	S		NA	NA	51.3	92.5	78.3	A	Y
	QN-0665	668			NA												
3HVC*DMPT7A	TORNADO DAMPER	DO-5771-IS,REV.0	CB	00064	HM / NS(B)-017,REV.1B	Y	N	.60.17	S		NA	NA	51.3	92.5	78.3	A	Y
	QN-0665	668			NA												

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVC*DMPT7B	TORNADO DAMPER	DO-5771-IS,REV.0	CB	00064	HM / NS(B)-017,REV.1B	Y	N	.60.17	S	NA	NA		51.3	92.5	78.3	A	Y
	QN-0665	668			NA												
3HVC*DMPT8A	TORNADO DAMPER	DO-5771-IS,REV.0	CB	00064	HM / NS(B)-017,REV.1B	Y	N	.60.17	S	NA	NA		51.3	92.5	78.3	A	Y
	QN-0665	668			NA												
3HVC*DMPT8B	TORNADO DAMPER	DO-5771-IS,REV.0	CB	00064	NS(B)-017,REV.1B	Y	N	.60.17	S	NA	NA		51.3	92.5	78.3	A	Y
	QN-0665	668			NA												
3HVC*DMPT9A	TORNADO DAMPER	DO-5771-IS,REV.0	CB	00064	HM / NS(B)-017,REV.1B	Y	N	.60.17	S	NA	NA		51.3	92.5	78.3	A	Y
	QN-0665	668			NA												
3HVC*DMPT9B	TORNADO DAMPER	DO-5771-IS,REV.0	CB	00064	HM / NS(B)-017,REV.1B	Y	N	.60.17	S	NA	NA		51.3	92.5	78.3	A	Y
	QN-0665	668			NA												

TE - TEMPERATURE ELEMENT, PRIMARY

3HVC*TE166A	CONT RM TEMP CONT		CB		DM	Y	N	.60.17	N	MF	MD			33+		A	Y
	WEED INSTRUMENT CO	3035-00125-14			NS(B)-017,REV 1B												
	0313-00125-006	683			IEEE 323,344												
	WEED RTD	611															
3HVC*TE166B	CONT RM TEMP CONT		CB		CN	Y	N	.60.17	N	MF	MD			33+		A	Y
	WEED INSTRUMENT CO	3035-00125-14			NS(B)-017,REV 1B												
	0313-00125-006	683			IEEE 323,344												
	WEED RTD	611															

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MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	HTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVC*TE175A	INSTR RK RM TEMP CNTRL		CB	00047	CW	Y	N	.50.15	N	MF	MD		33+			A	Y
	WEED INSTRUMENT CO	3035-00125-14			NS(B)-017,REV 1B												
	0313-00125-006	683			IEEE 323,344												
	WEED RTD	611															
3HVC*TE175B	INSTR RK RM TEMP CNTRL		CB	00047	CW	Y	N	.50.15	N	MF	MD		33+			A	Y
	WEED INSTRUMENT CO	3035-00125-14			NS(B)-017,REV 1B												
	0313-00125-006	683			IEEE 323,344												
	WEED RTD	611															
3HVC*TE176A	INSTR RK RM TEMP CNTRL		CB	00047	CW	Y	N	.50.15	N	MF	MD		33+			A	Y
	WEED INSTRUMENT CO	3035-00125-14			NS(B)-017,REV 1B												
	0313-00125-006	683			IEEE 323,344												
	WEED RTD	611															
3HVC*TE176B	INSTR RK RM TEMP CNTRL		CB	00047	CW	Y	N	.50.15	N	MF	MD		33+			A	Y
	WEED INSTRUMENT CO	3035-00125-14			NS(B)-017,REV 1B												
	0313-00125-006	683			IEEE 323,344												
	WEED RTD	611															
3HVC*TE209A	SWGR RMS TEMP SNTRL		CB	00008	CW	Y	N	.30.15	N	MF	MD		33+			A	Y
	WEED INSTRUMENT CO	3035-00125-14			NS(B)-017,REV 1B												
	0313-00125-020	683			IEEE 323,344												
	WEED RTD	611															
3HVC*TE209B	SWGR RMS TEMP CNTRL		CB	00008	CW	Y	N	.30.15	N	MF	MD		33+			A	Y
	WEED INSTRUMENT CO	3035-00125-14			NS(B)-01,REV 1B												
	0313-00125-020	683			IEEE 323,344												
	WEED RTD	611															

FS - SWITCH,FLOW

3HVC*FS116A	CHILLER EQUIP SPACE SPLY		CB		EM	Y	N	.75G	NA	SF	MD		33+			A	Y
	FLUID COMPONENTS	708126 REV.3			NA												
	FR72-4	686			IEEE-344,1975												
	FLOW SWITCH	FR72-4															

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVC - AIR COND. - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVC*FS116B	CHILLER EQUIP SPLY FLOW FLUID COMPONENTS FR72-4 FLOW SWITCH	708126 REV.3 686 FR72-4	CB		EM NA REG.189 AND IEEE-344,1975	Y	N	.75G	NA	SF	MD		33+		A	Y
3HVC*FS31A	3HVC*ACU-1A EXH FLOW FLUID COMPONENTS FR72-4R FLOW SWITCH	708126 REV.3 686 FR72-4R	CB		EM NA REG.189 AND IEEE-344,1975	Y	N	.75G	NA	SF	MD		33+		A	Y
3HVC*FS31B	3HVC*ACU-1B EXH FLOW FLUID COMPONENTS FR72-4R FLOW SWITCH	708126 REV.3 686 FR72-4R	CB		EM NA REG.189 AND IEEE-344,1975	Y	N	.75G	NA	SF	MD		33+		A	Y
3HVC*FS38A	CONT BLDG EMER VENT FLOW FLUID COMPONENTS FR72-4 FLOW SWITCH	708126 REV.3 686 FR72-4	CB		EM NA REG.189 AND IEEE-344,1975	Y	N	.75G	NA	SF	MD		33+		A	
3HVC*FS38B	CONT BLDG VENT FLOW FLUID COMPONENTS FR72-4 FLOW SWITCH	708126 REV.3 686 FR72-4	CB		EM NA REG.189 AND IEEE-344,1975	Y	N	.75G	NA	SF	MD		33+		A	
3HVC*FS53A	3HVC-ACU2A EXH FLOW FLUID COMPONENTS FR72-4 FLOW SWITCH	708126 REV.3 686 FR72-4R	CB		EM NA REG.189 AND IEEE-344,1975	Y	N	.75G	NA	SF	MD		33+		A	Y
3HVC*FS53B	3HVC-ACU2B EXH FLOW FLUID COMPONENTS FR72-4 FLOW SWITCH	708126 REV.3 686 FR72-4R	CB		EM NA IEEE-344,1975	Y	N	.75G	NA	SF	MD		33+		A	Y

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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVG - GLYCOL HEATING - SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	HTG RRS REF CODES	SEIS DYN.	OTHER LOADS	REQ'D INPUT (ZPA)	ANLYS	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
SWEC EQUIPMENT																
PS - SWITCH,PRESSURE																
3HVG*PS68A	HOT WTR PREHTG PRESS ASCO SB11AKR/TF10A32BRX PRESSURE SWITCH	SPLY AQR-101083,R.O. 626 SB11AKR/TF10A32BRX	AB	00043	RM NS(B)-007-REV 0B IEEE 323-1974&IEEE 344-1975	Y	N	.41.18							A	Y
3HVG*PS68B	HOT WTR PREHTG PRESS ASCO SB11AKR/TF10A32BRX PRESSURE SWITCH	SPLY AQR-101083,R.O 626 SB11AKR/TF10A32BRX	AB	00043	RM NS(B)-007-REV 0B IEEE 323-1974&IEEE 344-1975	Y	N	.41.18	N	SF	SD	40+	40+	40+	A	Y
3HVG*PS69A	HOT WTR PREHTG PRESS ASCO SB11AKR/TF10A32BRX PRESSURE SWITCH	RTRN AQR-101083,R.O 626 SB11AKR/TF10A32BRX	AB	00043	RM NS(B)-007-REV 0B IEEE 323-1974&IEEE 344-1975	Y	N	.41.18	N	SF	SD	40+	40+	40+	A	Y
3HVG*PS69B	HOT WTR PREHTG PRESS ASCO SB11AKR/TF10A32BRX PRESSURE SWITCH	SPLY AQR-101083,R.O 626 SB11AKR/TF10A32BRX	AB	00043	RM NS(B)-007-REV 0B IEEE 323-1974&IEEE 344-1975	Y	N	.41.18	N	SF	SD	40+	40+	40+	A	Y

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVH - HOT WATER HEATING - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	HTG RRS REF CODES	SEIS DYN.	OTHER	REQ'D INPUT (ZPA)	LOADS: ANLYS	TEST	QUAL METH: TEST FREQ	DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SNEC EQUIPMENT																	
PS - SWITCH,PRESSURE																	
3HVH*PS137A	HOT WTR HTG PRESS SPLY ASCO SB11AKR/TF10A32BRX PRESSURE SWITCH	 AQR-101083,R.O 626 SB11AKR/TF10A32BRX	AB	00043	RM NS(B)-007-REV 0B IEEE 323-1974&IEEE 344-1975	Y	N	.41.18	N	SF	SD	40+	40+	40+	A	Y
3HVH*PS137B	HOT WTR HTG PRESS SPLY ASCO SB11AKR/TF10A32BRX PRESSURE SWITCH	 AQR-101083,R.O 626 SB11AKR/TF10A32BRX	AB	00043	RM NS(B)-007-REV 0B IEEE 323-1974&IEEE 344-1975	Y	N	.41.18	N	SF	SD	40+	40+	40+	A	Y
3HVH*PS138A	HOT WTR HTG PRESS RTN ASCO SB11AKR/TF10A32BRX PRESSURE SWITCH	 AQR-101083,R.O 626 SB11AKR/TF10A32BRX	AB	00043	RM NS(B)-007-REV 0B IEEE 323-1974&IEEE 344-1975	Y	N	.41.18	N	SF	SD	40+	40+	40+	A	Y
3HVH*PS138B	HOT WTR HTG PRESS RTN ASCO SB11AKR/TF10A32BRX PRESSURE SWITCH	 AQR-101083,R.O 626 SB11AKR/TF10A32BRX	AB	00043	RM NS(B)-007-REV 0B IEEE 323-1974&IEE344-1975	Y	N	.41.18	N	SF	SD	40+	40+	40+	A	Y

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVK - CHILLED WATER - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG / RRS REF / CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
SWEC EQUIPMENT																
TK - TANK																
3HVKxTK1A	CONT BLD CHWTR EXPAN TANK P X ENG 473-7	12179-IA-79 022	CB	00064	HM S(B)-017-REV.0B ASME SECT III,CL3	Y	N	.5.15N	S	SF	SD	25+	25+	25+	A	
3HVKxTK1B	CONT BLD CHWTR EXPAN TANK P X ENG 473-7	12179-IA-79 022	CB	00064	HH S(B)-017-REV.1B ASME SECT III,CL3	Y	N	.5.15N	S	SF	SD	25+	25+	25+	A	
P - PUMP																
3HVKxP1A	CONT BLDG CHILLED WTR.P GOULD PUMPS 3196	ME-260 042	CB	00064	NS(B)-017 REV 1B ASME III,CL2	Y	N	.50.15	S	N	N		33.07		A	Y
	WESTINGHOUSE	20 H.P.														
3HVKxP1B	CONT BLDG CHILLED WTR.P GOULD PUMPS 3196MT	ME-260 042	CB	00064	NS(B)-017 REV 1B ASME III,CL2	Y	N	.50.15	S	N	N		33.07		A	Y
	WESTINGHOUSE	20 H.P.														
CHL - CHILLER,LIQUID																
3HVKxCHL1A	CNTRL.BLDG.WATER CHILLER CARRIER 17FA12	A540-83 061	CB	00064	EM NS(B)-017 REV.1 ASME III,CL2	Y	N	.50.15	N	HF	MD	14	20	10.75	A	I
	WESTINGHOUSE	N/A														

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PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HVK - CHILLED WATER - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3HVKwCHL1B	CNTRL.BLDG.WATER CHILLER CARRIER 17FA12 WESTINGHOUSE	 A540-83 061 N/A	CB	00064	EM NS(B)-017 REV.1 ASME III,CL2	Y	N	.50.15	N	MF	MD	14	20	10.75	A	I
H - HEATER																
3HVKwH1A	EL. HEATER 19FA4	A540-83 061	CB	00064	EM NS(B)-017 REV.1 ASME III,CL2	Y	N	.50.15	N	MF	MD	14	20	10.75	A	Y
3HVKwH1B	EL. HEATER 19FA4	A540-83 061	CB	00064	EM NS(B)-017 REV.1 ASME III,CL2	Y	N	.50.15	N	MF	MD	14	20	10.75	A	Y
P - PUMP																
3HVKwP3A	O.L. PUMP 19FA4	A540-83 061	CB	00064	EM NS(B)-017 REV.1 ASME III,CL2	Y	N	.50.15	N	MF	MD	14	20	10.75	A	Y
3HVKwP3B	O.L. PUMP CARRIER 19FA4	A540-83 061 SB-1-40	CB	00064	EM NS(B)-017 REV.1 ASME III,CL2	Y	N	.50.15	N	MF	MD	14	20	10.75	A	Y
3HVKwP4A	PUMPOUT UNIT 19EA46	A540-83 061	CB	00064	EM NS(B)-017 REV.1 ASME III,CL2	Y	N	.50.15	N	MF	MD	14	20	10.75	A	

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PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVK - CHILLED WATER - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVK*P4B	PUMPOUT UNIT		CB	00064	EM	Y	N	.50.15	N	MF	MD	14	20	10.75	A	
		A540-83			NS(B)-017 REV.1											
	19EA46	061			ASME III,CL2											
PDI - INDICATOR,PRESSURE DIFFERENTIAL																
3HVK*PDI55A	CHILLER LUBE OIL		CB		EM	Y	N	.50.15	N	MF	MD	14	20	10.75	A	
		A540-83			NS(B)-017 REV.1											
	19FA4	061			ASME III,CL2											
3HVK*PDI55B	CHILLER LUBE OIL PRESS		CB		EM	Y	N	.50.15	N	MF	MD	14	20	10.75	A	
		A540-83			NS(B)-017 REV.1											
	19FA4	061			ASME III,CL2											
PDS - SWITCH,PRESSURE DIFFERENTIAL																
3HVK*PDS54A	CHILLER LUBE OIL PRESS		CB		EM	Y	N	.50.15	N	MF	MD	14	20	10.75	A	Y
		A540-83			NS(B)-017 REV.1											
	19FA4	061			ASME III,CL2											
3HVK*PDS54B	CHILLER LUBE OIL PRESS		CB		EM	Y	N	.50.15	N	MF	MD	14	20	10.75	A	Y
		A540-83			NS(B)-017 REV.1											
	19FA4	061			ASME III,CL2											
PI - INDICATOR,PRESSURE																
3HVK*PI53A	CHILLER CONDENSER		CB		EM	Y	N	.50.15	N	MF	MD	14	20	10.75	A	Y
		A540-83			NS(B)-017 REV.1											
	17FA12	061			ASME III,CL2											

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HVK - CHILLED WATER - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVK*PI53B	CHILLER CONDENSER PRESS	A540-83	CB		EM NS(B)-017 REV.1	Y	N	.50.15	N	MF	MD	14	20	10.75	A	Y
	17FA12	061			ASME III,CL2											
PS - SWITCH,PRESSURE																
3HVK*PS52A	CHILLER CONDENSER PRESS	A540-83	CB		EM NS(B)-017 REV.1	Y	N	.50.15	N	MF	MD	14	20	10.75	A	Y
	17FA12	061			ASME III,CL2											
3HVK*PS52B	CHILLER CONDENSER PRESS	A540-83	CB		EM NS(B)-017 REV.1	Y	N	.50.15	N	MF	MD	14	20	10.75	A	Y
	17FA12	061			ASME III,CL2											
3HVK*PS62A	CHLR PUMP OUT UNIT	A540-83	CB		EM NS(B)-017 REV.1	Y	N	.50.15	N	MF	MD	14	20	10.75	A	
	19EA46	061			ASME III,CL2											
3HVK*PS62B	CHLR PUMP OUT UNIT PRESS	A540-83	CB		EM NS(B)-017 REV.1	Y	N	.50.15	N	MF	MD	14	20	10.75	A	
	19EA46	061			ASME III,CL2											
TE - TEMPERATURE ELEMENT, PRIMARY																
3HVK*TE56A	CHILLER COMP MTR BRG TEMP	A540-83	CB		EM NS(B)-017 REV.1	Y	N	.50.15	N	MF	MD	14	20	10.75	A	
	19FA4	061			ASME III,CL2											

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HVK - CHILLED WATER - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVK*TE56B	CHILLER COMP MTR BRG TEMP	A540-83	CB		EM / NS(B)-017 REV.1	Y	N	.50.15	N	MF	MD	14	20	10.75	A	
	19FA4	061			ASME III,CL2											
3HVK*TE57A	CHLR COMP BRG TEMP	A540-83	CB		EM / NS(B)-017 REV.1	Y	N	.50.15	N	MF	MD	14	20	10.75	A	
	19FA4	061			ASME III,CL2											
3HVK*TE57B	CHLR COMP BRG TEMP	A540-83	CB		EM / NS(B)-017 REV.1	Y	N	.50.15	N	MF	MD	14	20	10.75	A	
	19FA4	061			ASME III,CL2											
3HVK*TE63A	CHLR REFRIGERANT TEMP	A540-83	CB		EM / NS(B)-017 REV.1	Y	N	.50.15	N	MF	MD	14	20	10.75	A	
	17FA15	061			ASME III,CL2											
3HVK*TE63B	CHLR REFRIGERANT TEMP	A540-83	CB		EM / NS(B)-017 REV.1	Y	N	.50.15	N	MF	MD	14	20	10.75	A	
	17FA15	061			ASME III,CL2											
TS - SWITCH,TEMPERATURE																
3HVK*TS56A	CHILLER COMP MTR BRG TEMP	A540-83	CB		EM / NS(B)-017 REV.1	Y	N	.50.15	N	MF	MD	14	20	10.75	A	
	19FA4	061			ASME III,CL2											
3HVK*TS56B	CHILLER COMP MTR BRG TEMP	A540-83	CB		EM / NS(B)-017 REV.1	Y	N	.50.15	N	MF	MD	14	20	10.75	A	
	19FA4	061			ASME III,CL2											

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HVK - CHILLED WATER - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS / DYN.	OTHER	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVK*TS57A	CHLR COMP BRG TEMP	A540-83	CB		EM	Y	N	.50.15	N	MF	MD		14	20	10.75	A	
	19FA4	061			NS(B)-017 REV.1 ASME III,CL2												
3HVK*TS57B	CHLR COMP BRG TEMP	A540-83	CB		EM	Y	N	.50.15	N	MF	MD		14	20	10.75	A	
	19FA4	061			NS(B)-017 REV.1 ASME III,CL2												
3HVK*TS61A	CHILLED WTR TEMP	A540-83	CB		EM	Y	N	.50.15	N	MF	MD		14	20	10.75	A	
	17FA-15	061			NS(B)-017 REV.1 ASME III,CL2												
3HVK*TS61B	CHILLED WTR TEMP	A540-83	CB		EM	Y	N	.50.15	N	MF	MD		14	20	10.75	A	
	17FA-15	061			NS(B)-017 REV.1 ASME III,CL2												
3HVK*TS63A	CHLR REFRIGERANT TEMP	A540-83	CB		EM	Y	N	.50.15	N	MF	MD		14	20	10.75	A	
	17FA15	061			NS(B)-017 REV.1 ASME III,CL2												
3HVK*TS63B	CHLR REFRIGERANT TEMP	A540-83	CB		EM	Y	N	.50.15	N	MF	MD		14	20	10.75	A	
	17FA15	061			NS(B)-017 REV.1 ASME III,CL2												

ZS - SWITCH,POSITION

3HVK*ZS58A	CHLR IMPEL DISPLACEMENT	A540-83	CB		EM	Y	N	.50.15	N	MF	MD		14	20	10.75	A	
	19FA4	061			NS(B)-017 REV.1 ASME III,CL2												

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVK - CHILLED WATER - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVK*ZS58B	CHLR IMPEL DISPLACEMENT	A540-83	CB		EM	Y	N	.50.15	N	MF	MD	14	20	10.75	A	
	19FA4	061			NS(B)-017 REV.1 ASME III,CL2											
3HVK*ZS59A	GUIDE VANE POSITION	A540-83	CB		EM	Y	N	.50.15	N	MF	MD	14	20	10.75	A	
	19FA4	061			NS(B)-017 REV.1 ASME III,CL2											
3HVK*ZS59B	GUIDE VANE POSITION	A540-83	CB		EM	Y	N	.50.15	N	MF	MD	14	20	10.75	A	
	19FA4	061			NS(B)-017 REV.1 ASME III,CL2											
PNL - PANEL																
3HVK*PNLCHL1A	WALL MTD CHILLER CONTROL PNL A		CB	00064	CW	Y	N	.50.15	S	NA	NA	25+	25+	25+	A	Y
	SYSTEMS CONTROL	16825-82N,REV 0			NS(B)-017 REV 1B											
	3HVK*PNLCHL1A	246			IEEE 344											
3HVK*PNLCHL1B	WALL MTD CHILLER CONTROL PNL B		CB	00064	CW	Y	N	.50.15	S	NA	NA	25+	25+	25+	A	Y
	SYSTEMS CONTROL	ACTON 15880,REV1			NS(B)-017 REV 1B											
	3HVK*PNLCHL1B	246			IEEE 323,IEEE 344											
FIS - SWITCH,INDICATING,FLOW																
3HVK*FIS30A	CHILL WATER SPLY		CB	00064	RM	Y	N	.50.15	N	MF	MD			42	A	Y
	ITT BARTON	R3-580A-9			NS(B)-017 REV 1B											
	199/581A-1	377			IEEE-323,344											
	ITT BARTON	199/581A-1														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVK - CHILLED WATER - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVK*FIS30B	CHILL WATER SPLY FLOW		CB	00064	RM	Y	N	.50.15	N	MF	MD			42	A	Y
	ITT BARTON	R3-580A-9			NS(B)-017 REV 1B											
	199/581A-1	377			IEEE-323,344											
	ITT BARTON	199/581A-1														
PDIS - SWITCH,INDICATING,PRESSURE DIFFERENTIAL																
3HVK*PDIS60A	CHLR WTR FLOW		CB		RM	Y	N	.50.15	N	MF	MD			42	A	Y
	ITT BARTON	R3-580A-9			NS(B)-017 REV 1B											
	199/581A-1	377			IEEE-323,344											
	ITT BARTON	199/581A-1														
3HVK*PDIS60B	CHLR WTR FLOW		CB	00064	RM	Y	N	.50.15	N	MF	MD			42	A	Y
	ITT BARTON	R3-580A-9			NS(B)-017 REV 1B											
	199/581A-1	377			IEEE-323,344											
	ITT BARTON	199/581A-1														
PC - CONTROLLER,PRESSURE																
3HVK*PC32A	CHILL WTR SPLY & RTN		CB		RM	Y	N		N	MF	MD	NA	NA	NA	C	
	FOXBORO	QOAAA05			NS(B)-017 REV 1B											
	N-2AC+A2	392			IEEE 344,323											
	P CONTROLLER	N-2AC-A2														
3HVK*PC32B	CHILL WTR SPLY & RTN		CB		RM	Y	N		N	MF	MD	NA	NA	NA	C	
	FOXBORO	QOAAA05			NS(B)-017 REV 1B											
	N-2AC+A2	392			IEEE 344,323											
	P CONTROLLER	N-2AC-A2														
PDIC - CONTROLLER,INDICATING,PRESSURE DIFFERENTIAL																
3HVK*PDIC32A	CHILL WTR SPLY & RTN		CB		RM	Y	N		N	MF	MD	NA	NA	NA	A	
	FOXBORO	QOAAB67			NS(B)-017 REV 1B											
	N-250HM+M2NH-F	392			IEEE 344,323											
	ELEC DISPL STATIONS	N-250HM+M2NH-F														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVK - CHILLED WATER - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVKwPDIC32B	CHILL WTR SPLY & RTN		CB		RM	Y	N		N	MF	MD		NA	NA	NA	C	
	FOXBORO	QOAAB67			NS(B)-017 REV 1B												
	N-250HM+M2NH-F	392			IEEE 344,323												
	ELEC DISPL STATIONS	N-250HM+M2NH-F															
PDY - PRESSURE DIFFERENTIAL RELAY																	
3HVKwPDY32A1	CHILL WTR SPLY & RTN		CB		RM	Y	N									D	
	FOXBORO	IEEE 344,323			NS(B)-017 REV 1B												
	N-2AI-I2V	392			IEEE-344,322												
	I/E CONVERTER	N-2AI-I2V															
3HVKwPDY32A2	CHILL WTR SPLY & RTN		CB		RM	Y	N		N	MF	MD		NA	NA	NA	C	
	FOXBORO	QOAAB50			NS(B)-017 REV 1B												
	N-2AO-V2I	392			IEEE 344,323												
	E/I CONVERTER	N-2AO+V2I															
3HVKwPDY32B1	CHILL WTR SPLY & RTN		CB		RM	Y	N		N	MF	MD		NA	NA	NA	D	
	FOXBORO	QOAAB35			NS(B)-017 REV 1B												
	N-2AI-I2V	392			IEEE 344,323												
	I/E CONVERTER	N-2AI-I2V															
3HVKwPDY32B2	CHILL WTR DIFF PRESS	CONT	CB		RM	Y	N		N	MF	MD		NA	NA	NA	C	
	FOXBORO	QOAAB50			NS(B)-017 REV 1B												
	N-2AO-V2I	392			IEEE 344,323												
	E/I CONVERTER	N-2AO+V2I															
TS - SWITCH,TEMPERATURE																	
3HVKwTS21A	CHILL WTR SUPPLY		CB		RM	Y	N		N	MF	MD		NA	NA	NA	C	
	FOXBORO	QOAAB33			NS(B)-017 REV 1B												
	N-2AP+ALM-AR	392			IEEE 344,323												
	SIGNAL BISTABLES	N-2AP+ALM-AR															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVK - CHILLED WATER - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVK*TS21B	CHILL WTR SUPPLY		CB		RM	Y	N		N	MF	MD	NA	NA	NA	C	
	FOXBORO	QOAAB33			NS(B)-017 REV 1B											
	N-2AP+ALM-AR	392			IEEE 344,323											
	SIGNAL BISTABLES	N-2AP+ALM-AR														
TY - RELAY,COMPUTING,SELECTING OR BOOSTER,TEMPERATURE																
3HVK*TY21A	CHILL WTR SUPPLY		CB		RM	Y	N		N	MF	MD	NA	NA	NA	A	
	FOXBORO	QOAAB29			NS(B)-017 REV 1B											
	N-2AI-P2V	392			IEEE 344,323											
	R/E CONVERTER	N-2AI-P2V														
3HVK*TY21B	CHILL WTR SUPPLY TEMP CONT		CB		RM	Y	N		N	MF	MD	NA	NA	NA	A	
	FOXBORO	QOAAB29			NS(B)-017 REV 1B											
	N-2AI-P2V	392			IEEE 344,323											
	R/E CONVERTER	N-2AI-P2V														
PDV - PRESSURE DIFFERENTIAL VALVE																
3HVK*PDV32A	CHILL WTR SPLY & RTN		CB	00064	DM	Y	N	3G	S	NA	NA		33+		A	Y
	TARGET ROCK CORP	3624			NA											
	81AB-002	654			ASME III,CL3											
	MODLTNG SOLENOID VLV	81AB-002														
3HVK*PDV32B	CHILL WTR SPLY & RTN		CB	00064	DM	Y	N	3G	S	NA	NA		33+		A	Y
	TARGET ROCK CORP	3624			NA											
	81AB-002	654			ASME III,CL3											
	MODLTNG SOLENOID VLV	81AB-002														
PDY - PRESSURE DIFFERENTIAL RELAY																
3HVK*PDY32A	CHILL WTR DIFF PRESS CONT		CB		DM	Y	N	3G	S	NA	NA		33+		A	Y
	TARGET ROCK CORP	3040			NA											
	203114	654			ASME III,CL3											
	ELECTRONIC CONTR MDL	81AB CONTROLLER														

REPORT NO. HSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVK - CHILLED WATER - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVK*PDY32B	CHILL WTR DIFF PRESS CONT TARGET ROCK CORP 203114 ELECTRONIC CONTR MDL	 3040 654 81AB CONTROLLER	CB		DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	Y
TV - VALVE,TEMPERATURE																
3HVK*TV39A	3HVC-ACU2 CHILL WTR COIL TARGET ROCK CORP 81AB-004 MODLTNG SOLENOID VLV	 3624 654 81AB-004	CB	00064	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	Y
3HVK*TV39B	3HVC-ACU2 CHILL WTR COIL TARGET ROCK CORP 81AB-004 MODLTNG SOLENOID VLV	 3624 654 81AB-004	CB	00064	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	Y
3HVK*TV41A	3HVC-ACU1 CHILL WTR COIL TARGET ROCK CORP 81AB-004 MODLTNG SOLENOID VLV	 3624 654 81AB-004	CB	00064	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	
3HVK*TV41B	3HVC-ACU1 CHILL WTR COIL TARGET ROCK CORP 81AB-004 MODLTNG SOLENOID VLV	 3624 654 81AB-004	CB	00064	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	
3HVK*TV68A	SUPPLY ISOLATION TEMP TARGET ROCK CORP 81AB-001 IN-LINE SOLENOID VLV	 3624 654 81AB-001	CB	00064	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	
3HVK*TV68B	SUPPLY ISOLATION TEMP TARGET ROCK CORP 81AB-001 IN-LINE SOLENOID VLV	 3624 654 81AB-001	CB	00064	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	

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PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVK - CHILLED WATER - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ INS
3HVK*TV69A	SUPPLY ISOLATION TEMP TARGET ROCK CORP 81AB-001 IN-LINE SOLENOID VLV	 3624 654 81AB-001	CB	00064	DM NA ASME III,CL3	Y	N	3G	S	NA	NA			33+	A
3HVK*TV69B	SUPPLY ISOLATION TEMP TARGET ROCK CORP 81AB-001 IN-LINE SOLENOID VLV	 3624 654 81AB-001	CB	00064	DM NA ASME III,CL3	Y	N	3G	S	NA	NA			33+	A
3HVK*TV70A	SUPPLY ISOLATION TEMP TARGET ROCK CORP 81AB-001 IN-LINE SOLENOID VLV	 3624 654 81AB-001	CB	00064	DM NA ASME III,CL3	Y	N	3G	S	NA	NA			33+	A
3HVK*TV70B	SUPPLY ISOLATION TEMP TARGET ROCK CORP 81AB-001 IN-LINE SOLENOID VLV	 3624 654 81AB-001	CB	00064	DM NA ASME III,CL3	Y	N	3G	S	NA	NA			33+	A
3HVK*TV71A	SUPPLY ISOLATION TEMP TARGET ROCK CORP 81AB-001 IN-LINE SOLENOID VLV	 3624 654 81AB-001	CB	00064	DM NA ASME III,CL3	Y	N	3G	S	NA	NA			33+	A
3HVK*TV71B	SUPPLY ISOLATION TEMP TARGET ROCK CORP 81AB-001 IN-LINE SOLENOID VLV	 3624 654 81AB-001	CB	00064	DM NA ASME III,CL3	Y	N	3G	S	NA	NA			33+	A
3HVK*TV72A	RETURN ISOLATION TEMP TARGET ROCK CORP 81AB-001 IN-LINE SOLENOID VLV	 3624 654 81AB-001	CB	00064	DM NA ASME III,CL3	Y	N	3G	S	NA	NA			33+	A

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PROJECT EQUIPMENT SYSTEM
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DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVK - CHILLED WATER - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVK*TV72B	RETURN ISOLATION TEMP TARGET ROCK CORP 81AB-001 IN-LINE SOLENOID VLV	3624 654 81AB-001	CB	00064	DM NA ASME III,CL3	Y	N	3G	S	NA	NA			33+		A	
3HVK*TV73A	RETURN ISOLATION TEMP TARGET ROCK CORP 81AB-001 IN-LINE SOLENOID VLV	3624 654 81AB-001	CB	00064	DM NA ASME III,CL3	Y	N	3G	S	NA	NA			33+		A	
3HVK*TV73B	RETURN ISOLATION TEMP TARGET ROCK CORP 81AB-001 IN-LINE SOLENOID VLV	3624 654 81AB-001	CB	00064	DM NA ASME III,CL3	Y	N	3G	S	NA	NA			33+		A	
3HVK*TV74A	RETURN ISOLATION TEMP TARGET ROCK CORP 81AB-001 IN-LINE SOLENOID VLV	3624 654 81AB-001	CB	00064	DM NA ASME III,CL3	Y	N	3G	S	NA	NA			33+		A	
3HVK*TV74B	RETURN ISOLATION TEMP TARGET ROCK CORP 81AB-001 IN-LINE SOLENOID VLV	3624 654 81AB-001	CB	00064	DM NA ASME III,CL3	Y	N	3G	S	NA	NA			33+		A	
3HVK*TV75A	RETURN ISOLATION TEMP TARGET ROCK CORP 81AB-001 IN-LINE SOLENOID VLV	3624 654 81AB-001	CB	00066	DM NA ASME III,CL3	Y	N	3G	S	NA	NA			33+		A	
3HVK*TV75B	RETURN ISOLATION TEMP TARGET ROCK CORP 81AB-001 IN-LINE SOLENOID VLV	3624 654 81AB-001	CB	00066	DM NA ASME III,CL3	Y	N	3G	S	NA	NA			33+		A	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVK - CHILLED WATER - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVK*TV76A	ACU#4 CHILL WTR TEMP CNTRL TARGET ROCK CORP 81AB-004 MODLTNG SOLENOID VLV	 3624 654 81AB-004	CB	00066	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	
3HVK*TV76B	ACU#4 CHILL WTR TEMP CNTRL TARGET ROCK CORP 81AB-004 MODLTNG SOLENOID VLV	 3624 654 81AB-004	CB	00066	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	
3HVK*TV77A	ACU#3 CHILL WTR TEMP CNTRL TARGET ROCK CORP 81AB-004 MODLTNG SOLENOID VLV	 3040 654 81AB-003	CB	00066	DM NA 3624	Y	N	3G	S	NA	NA		33+		A	
3HVK*TV77B	ACU#3 CHILL WTR TEMP CNTRL TARGET ROCK CORP 81AB-004 MODLTNG SOLENOID VLV	 3040 654 81AB-003	CB	00066	DM NA 3624	Y	N	3G	S	NA	NA		33+		A	

TY - RELAY,COMPUTING,SELECTING OR BOOSTER,TEMPERATURE

3HVK*TY39A	3HVC-ACU2 CHILL WTR COIL TARGET ROCK CORP 203114 ELECTRONIC CONTR MDL	 3040 654 81AB CONTROLLER	CB		EM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	Y
3HVK*TY39B	3HVC-ACU2 CHILL WTR TEMP CONT TARGET ROCK CORP 61AB ELECTRONIC CONTR MDL	 3040 654 81AB CONTROLLER	CB		EM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	Y
3HVK*TY41A	3HVC-ACU1 CHILL WTR COIL TARGET ROCK CORP 61AB ELECTRONIC CONTR MDL	 3040 654 81AB CONTROLLER	CB		EM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVK - CHILLED WATER - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / MRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVK*TY41B	3HVC-ACU1 CHILL WTR TEMP CONT		CB		EM	Y	N	3G	S	NA	NA			33+		A	Y
	TARGET ROCK CORP	3040			NA												
	61AB	654			ASME III,CL3												
	ELECTRONIC CONTR MDL	81AB CONTROLLER															
3HVK*TY76A	ACU#4 CHILL WTR TEMP CNTRL		CB	00004	EM	Y	N	3G	S	NA	NA			33+		A	Y
	TARGET ROCK CORP	3040			NA												
	61AB	654			ASME III,CL3												
	ELECTRONIC CONTR MDL	81AB CONTROLLER															
3HVK*TY76B	ACU#4 CHILL WTR TEMP CNTRL		CB		EM	Y	N	3G	S	NA	NA			33+		A	Y
	TARGET ROCK CORP	3040			NA												
	61AB	654			ASME III,CL3												
	ELECTRONIC CONTR MDL	81AB CONTROLLER															
3HVK*TY77A	ACU#3 CHILL WTR TEMP CNTRL		CB	00004	EM	Y	N	3G	S	NA	NA			33+		A	Y
	TARGET ROCK CORP	3040			NA												
	61AB	654			ASME III,CL3												
	ELECTRONIC CONTR MDL	81AB CONTROLLER															
3HVK*TY77B	ACU#3 CHILL WTR TEMP CNTRL		CB		EM	Y	N	3G	S	NA	NA			33+		A	Y
	TARGET ROCK CORP	3040			NA												
	61AB	654			ASME III,CL3												
	ELECTRONIC CONTR MDL	81AB CONTROLLER															

PDT - TRANSMITTER,PRESSURE DIFFERENTIAL

3HVK*PDT32A	CHILL WTR SPLY & RTN		CB	00075	RM	Y	N	.54.16	N	MF	MD	50	47	50	A	Y
	ROSEMOUNT	108025			NS(B)-017 REV 1B												
	1153DB	662			IEEE-323,344												
	DIFF PRSSR TRANSMITR	1153DB6PC															
3HVK*PDT32B	CHILL WTR SPLY & RTN		CB		RM	Y	N	.27.16	N	MF	MD	50	47	50	A	Y
	ROSEMOUNT	108025			NS(B)-007 REV 1B												
	1153DB	662			IEEE-323,344												
	DIFF PRSSR TRANSMITR	1153DB6PC															

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVK - CHILLED WATER - CONTROL BLDG OR AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
TE - TEMPERATURE ELEMENT, PRIMARY																
3HVK*TE21A	CHILL WTR SUPPLY		CB	00064	DM	Y	N	3.0	N	MF	MD		33+		A	Y
	WEED INSTRUMENT CO	3035-00125-14			NA											
	0313-00125-020	683			IEEE 323,344											
	WEED RTD	612														
3HVK*TE21B	CHILL WTR SUPPLY		CB	00064	DM	Y	N	3.0	N	MF	MD		33+		A	Y
	WEED INSTRUMENT CO	3035-00125-14			NA											
	0313-00125-020	683			IEEE 323,344											
	WEED RTD	612														

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVP - VENTILATION - DIESEL GEN BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SNEC EQUIPMENT																	
FN - FAN																	
3HVP*FN1A	SUPPLY FAN-EMER.GEN.BLDG		EGE	00044	HM	Y	N	.55.15	S	NA	NA		33+	33+	33+	A	Y
	BUFFALO FORGE	82325005-45			NS(B)-069-REV.0B												
	48B9	140			AMCA STD/IEEE 323,344/NUREG-0588												
	WESTINGHOUSE	40 H.P.															
3HVP*FN1B	SUPPLY FAN.EMER.GEN.BLDG		EGE	00044	HM	Y	N	.55.15	S	NA	NA		33+	33+	33+	A	Y
	BUFFALO FORGE	82325005-45			NS(B)-069-REV 0B												
	48B9	140			AMCA STD/IEEE,323,344/NUREG-0588												
	WESTINGHOUSE	40 H.P.															
3HVP*FN1C	EXH FAN-EMER.GEN.BLDG		EGE	00044	HM	Y	N	.55.15	S	NA	NA		33+	33+	33+	A	Y
	BUFFALO FORGE	82325005-45			NS(B)-069-REV 0B												
	48B9	140			AMCA STD/IEEE,323,344/NUREG-0588												
	WESTINGHOUSE	40 H.P.															
3HVP*FN1D	EXH FAN-EMER.GEN.BLDG		EGE	00044	HM	Y	N	.55.15	S	NA	NA		33+	33+	33+	A	Y
	BUFFALO FORGE	82325005-45			NS(B)-069-REV 0B												
	48B9	140			AMCA STD/IEEE,323,344/NUREG-0588												
	WESTINGHOUSE	40 H.P.															
TC - CONTROLLER,TEMPERATURE																	
3HVP*TC29A	DIESEL ENCL TEMP		CB	00048	RM	Y	N	.40.15	N	MF	MD		NA	NA	NA	C	
	FOXBORO	QOAAA05			NS(B)-017 REV 1B												
	N-2AC+A2	392			IEEE-344,322												
	P CONTROLLER	N-2AC-A2															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVP - VENTILATION - DIESEL GEN BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVP*TC29B	DIESEL ENCL TEMP FOXBORO N-2AC+A2 P CONTROLLER	 QOAAA05 392 N-2AC-A2	CB	00048	RM NS(B)-017 REV 1B IEEE 344,323	Y	N	.40.15	N	MF	MD	NA	NA	NA	C	
TIC - CONTROLLER,INDICATING,TEMPERATURE																
3HVP*TIC29A	DIESEL ENCL FOXBORO N-250HM&M2NH-F ELEC DISPL STATIONS	 FOXBORO DC391 392 N-250HM+M2NH-F	CB	00048	PM NS(B)-017 REV 1B IEEE 323,IEEE 344	Y	N	.40.15							D	
3HVP*TIC29B	D G ENC TEMP CONT FOXBORO N-250HM&M2NH-F ELEC DISPL STATIONS	 FOXBORO DC391 392 N-250HM+M2NH-F	CB	00048	PM NS(B)-017 REV 1B IEEE 323,IEEE 344	Y	N	.40.15							D	
TY - RELAY,COMPUTING,SELECTING OR BOOSTER,TEMPERATURE																
3HVP*TY29A1	DIESEL ENCL FOXBORO N-2AI-P2V R/E CONVERTER	 QOAAA05 392 N-2AI-P2V	CB	00048	RM NS(B)-017 REV 1B IEEE 344,323	Y	N	.40.15	N	MF	MD	NA	NA	NA	A	
3HVP*TY29A2	DIESEL ENCL FOXBORO N-2AO-V2I E/I CONVERTER	 QOAAA05 392 N-2AO+V2I	CB	00048	RM NS(B)-017 REV 1B IEEE 344,323	Y	N	.40.15	N	MF	MD	NA	NA	NA	C	
3HVP*TY29A3	DIESEL ENCL FOXBORO N-2AP-SLM SIGNAL LIMITER	 QOAAA05 392 N-2AP-SLM	CB	00048	RM NS(B)-017 REV 1B IEEE 344,323	Y	N	.40.15	N	MF	MD	NA	NA	NA	D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVP - VENTILATION - DIESEL GEN BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ INS
3HVP*TY29A4	DIESEL ENCL TEMP		CB	00048	RM	Y	N	.40.15	N	MF	MD	NA	NA	NA	D
	FOXBORO	QOAAB18			NS(B)-017 REV 1B										
	N-2AX+DSR	392			IEEE 344,323										
	LOGIC RELAY CARD	N-2AX+DSR													
3HVP*TY29A5	DIESEL ENCL TEMP		CB	00048	RM	Y	N	.40.15	N	MF	MD	NA	NA	NA	D
	FOXBORO	QOAAB15			NS(B)-017 REV 1B										
	N-2AI-C2L	392			IEEE 344,323										
	INPUT ISOLATOR	N-2AI-C2L													
3HVP*TY29A6	DIESEL ENCL TEMP		CB	00048	RM	Y	N	.40.15	N	MF	MD	NA	NA	NA	D
	FOXBORO	QOAAB50			NS(B)-017 REV 1B										
	N-2AO-V2I	392			IEEE 344,323										
	E/I CONVERTER	N-2AO+V2I													
3HVP*TY29B1	DIESEL ENCL		CB	00048	RM	Y	N	.40.15	N	MF	MD	NA	NA	NA	A
	FOXBORO	QOAAB29			NS(B)-017 REV 1B										
	N-2AI-P2V	392			IEEE 344,323										
	R/E CONVERTER	N-2AI-P2V													
3HVP*TY29B2	DIESEL ENCL		CB	00048	RM	Y	N	.40.15	N	MF	MD	NA	NA	NA	C
	FOXBORO	QOAAB50			NS(B)-017 REV 1B										
	N-2AO-V2I	392			IEEE 344,323										
	E/I CONVERTER	N-2AO+V2I													
3HVP*TY29B3	DIESEL ENCL		CB	00048	RM	Y	N	.40.15	N	MF	MD	NA	NA	NA	D
	FOXBORO	QOAAB50			NS(B)-017 REV 1B										
	N-2AP-SLM	392			IEEE 344,323										
	SIGNAL LIMITER	N-2AP-SLM													
3HVP*TY29B4	DIESEL ENCL TEMP		CB		RM	Y	N	.40.15	N	MF	MD	NA	NA	NA	D
	FOXBORO	QOAAB18			NS(B)-017 REV 1B										
	N-2AX+DSR	392			IEEE 344,323										
	LOGIC RELAY CARD	N-2AX+DSR													

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVP - VENTILATION - DIESEL GEN BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVP*TY29B5	DIESEL ENCL TEMP FOXBORO N-2AI-C2L INPUT ISOLATOR	 QOAAB15 392 N-2AI-C2L	CB	00048	RM NS(B)-017 REV 1B IEEE 344,323	Y	N	.40.15	N	MF	MD		NA	NA	NA	D	
3HVP*TY29B6	DIESEL ENCL TEMP FOXBORO N-2AO-V2I E/I CONVERTER	 QOAAB50 392 N-2AO+V2I	CB	00048	RM NS(B)-017 REV 1B IEEE 344,323	Y	N	.40.15	N	MF	MD		NA	NA	NA	D	
MOD - DAMPER,MOTOR OPERATED																	
3HVP*MOD20A	DIESEL ENCL VENT OUTL AMERICAN WARMING AWV-7402 NAMCO LIMIT SWITCH	 80271-301 594 EA740	EGE	00049	CW 12179-NS(B)-069 IEEE,344,323,382	Y	N	.55.15	N	SF	SD		35+	29	29	A	
3HVP*MOD20B	DIESEL ENCL VENT OUTL AMERICAN WARMING AWV-7402 NAMCO LIMIT SWITCH	 80271-301 594 EA740	EGE	00049	CW 12179-NS(B)-069 IEEE,344,323,382	Y	N	.55.15	N	SF	SD		35+	29	29	A	
3HVP*MOD20C	DIESEL ENCL VENT OUTL AMERICAN WARMING AWV-7402 NAMCO LIMIT SWITCH	 80271-301 594 EA740	EGE	00049	CW 12179-NS(B)-069 IEEE,344,323,382	Y	N	.55.15	N	SF	SD		35+	29	29	A	
3HVP*MOD20D	DIESEL ENCL VENT OUTL AMERICAN WARMING AWV-7402 NAMCO LIMIT SWITCH	 80271-301 594 EA740	EGE	00049	CW 12179-NS(B)-069 IEEE 344,323,382	Y	N	.55.15	N	SF	SD		35+	29	29	A	
3HVP*MOD23A	DIESEL ENCL VENT INL AMERICAN WARMING AWV-7402 NAMCO LIMIT SWITCH	 80271-301 594 EA740	EGE	00043	CW 12179-NS(B)-069 IEEE 344,323,382	Y	N	.55.15	N	SF	SD		35+	29	29	A	

REPORT NO. HSSQT1

PROJECT EQUIPMENT SYSTEM
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HVP - VENTILATION - DIESEL GEN BLDG

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG / RRS REF / CODES	SEIS / OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	QUAL METH TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3HVP*MOD23B	DIESEL ENCL VENT INL		EGE	00043	CH	Y	N .55.15	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			12179-NS(B)-069										
	AWV-7402	594			IEEE 344,323,382										
	NAMCO LIMIT SWITCH	EA740													
3HVP*MOD26A	DIESEL ENCL VENT RECIRC		EGE	00038	CH	Y	N .55.15	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			12179-NS(B)-069										
	AWV-7402	594			IEEE 344,323,382										
	NAMCO LIMIT SWITCH	EA740													
3HVP*MOD26B	DIESEL ENCL VENT RECIRC		EGE	00038	CH	Y	N .55.15	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			12179-NS(B)-069										
	AWV-7402	594			IEEE 344,323,382										
	NAMCO LIMIT SWITCH	EA740													
TS - SWITCH,TEMPERATURE															
3HVP*TS32A	D G ENC FAN & DAMPER	CONT	CB	00025	CH	Y	N .55.15	N	SF	SD	35+	35+	35+	A	Y
	ASCO	AQR-020184 R.O			NS(B)-069 REV 0B										
	SB11AKR/QF10A4R	626			IEEE 323-1974&IEEE 344-1975										
	TEMP SWITCH	SB11AKR/QF10A4R													
3HVP*TS32B	D G ENC FAN & DAMPER	CONTROL	EGE		CH	Y	N .55.15	M	SF	SD	35+	35+	35+	A	Y
	ASCO	AQR-020184 R.O			NS(B)-069 REV 0B										
	SB11AKR/QF10A4R	626			IEEE 323-1974&IEEE 344-1975										
	TEMP SWITCH	SB11AKR/QF10A4R													
DMPT - DAMPER, TORNADO PROTECTION															
3HVP*DMPT1A	TORNADO DAMPER		EGE	00041	HM	Y	N .75.18	S	NA	NA	51.3	92.5	78.3	A	Y
		DO-5771-IS,REV.0			NS(B)-069,REV.0B										
	QN-0665	668			NA										

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVP - VENTILATION - DIESEL GEN BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVP*DMPT1B	TORNADO DAMPER	DO-5771-IS,REV.0	EGE	00041	NS(B)-069,REV.0B	Y	N	.75.18	S	NA	NA	51.3	92.5	78.3	A	Y
	QN-0665	668			NA											
3HVP*DMPT1C	TORNADO DAMPER	DO-5771-IS,REV.0	EGE	00041	NS(B)-069,REV.0B	Y	N	.75.18	S	NA	NA	51.3	92.5	78.3	A	Y
	QN-0665	668			NA											
3HVP*DMPT1D	TORNADO DAMPER	DO-5771-IS,REV.0	EGE	00041	NS(B)-069,REV.0B	Y	N	.75.18	S	NA	NA	51.3	92.5	78.3	A	Y
	QN-0665	669			NA											
3HVP*DMPT2A	TORNADO DAMPER	DO-5771-IS,REV.0	EGE	00048	CW NS(B)-069,REV.0B	Y	N	.75.18	S	NA	NA	51.3	92.5	78.3	A	Y
	QN-0665	668			NA											
3HVP*DMPT2B	TORNADO DAMPER	DO-5771-IS,REV.0	EGE	00048	CW NS(B)-069,REV.0B	Y	N	.75.18	S	NA	NA	51.3	92.5	78.3	A	Y
	QN-0665	668			NA											
3HVP*DMPT2C	TORNADO DAMPER	DO-5771-IS,REV.0	EGE	00048	CW NS(B)-069,REV.0B	Y	N	.75.18	S	NA	NA	51.3	92.5	78.3	A	Y
	QN-0665	668			NA											
3HVP*DMPT2D	TORNADO DAMPER	DO-5771-IS,REV.0	EGE	00048	NS(B)-069,REV.0B	Y	N	.75.18	S	NA	NA	51.3	92.5	78.3	A	Y
	QN-0665	668			NA											

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVP - VENTILATION - DIESEL GEN BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVP*DMPT5A	TORNADO DAMPER	DO-5771-IS,REV.0	EGE	00051	CW NS(B)-069,REV.0B	Y	N	.75.18	S	NA	NA		51.3	92.5	78.3	A	Y
	QN-0665	668			NA												
3HVP*DMPT5B	TORNADO DAMPER	DO-5771-IS,REV.0	EGE	00051	CW NS'B)-069,REV.0B	Y	N	.75.18	S	NA	NA		51.3	92.5	78.3	A	Y
	QN-0665	668			NA												
3HVP*DMPT5C	TORNADO DAMPER	DO-5771-IS,REV.0	EGE	00051	CW NS(B)-069,REV.0B	Y	N	.75.18	S	NA	NA		51.3	92.5	78.3	A	Y
	QN-0665	668			NA												
3HVP*DMPT5D	TORNADO DAMPER	DO-5771-IS,REV.0	EGE	00051	CW NS(B)-017-REV.0B	Y	N	.60.17	S	NA	NA		51.3	92.5	78.3	A	Y
	QN-0665	668			NA												
3HVP*DMPT6A	TORNADO DAMPER	DO-5771-IS,REV.0	EGE	00051	CW NS(B)-017,REV.0B	Y	N	.60.17	S	NA	NA		51.3	92.5	78.3	A	Y
	QN-0665	668			NA												
3HVP*DMPT6B	TORNADO DAMPER	DO-5771-IS,REV.0	EGE	00051	NS(B)-017,REV.0B	Y	N	.60.17	S	NA	NA		51.3	92.5	78.3	A	Y
	QN-0665	668			NA												
3HVP*DMPT6C	TORNADO DAMPER	DO-5771-IS,REV.0	EGE	00051	NS(B)-017,REV.0B	Y	N	.60.17	S	NA	NA		51.3	92.5	78.3	A	Y
	QN-0665	668			NA												

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVP - VENTILATION - DIESEL GEN BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG / RRS REF / CODES	LOCATION: ELEV	LOCATION: MTG	LOADS: SEIS DYN.	LOADS: OTHER	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVP*DMPT6D	TORNADO DAMPER		EGE 00051			Y	N	.60.17	S	NA	NA	51.3	92.5	78.3	A	Y
		DO-5771-IS,REV.0	NS(B)-017,REV.0B													
	QN-0665	668	NA													

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
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REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HVQ - VENTILATION - ENGINEERED SAFETY FEATURES BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER / DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT																
DMP - DAMPER																
3HVQ*DMPB1A	BACKDRAFT DAMPER	90267-1	ESF	00036	HM	Y	N		S	NA	NA	33+	NA	NA	A	Y
	2230				AMCA-500-75											
3HVQ*DMPB1B	BACKDRAFT DAMPER	90267-1	ESF	00036	HM	Y	N		S	NA	NA	33+	NA	NA	A	Y
	2230				AMCA-500-75											
3HVQ*DMPB2A	BACKDRAFT DAMPER	90267-1	ESF	00036	HM	Y	N		S	NA	NA	33+	NA	NA	A	Y
	2230				AMCA-500-75											
3HVQ*DMPB2B	BACKDRAFT DAMPER	90267-1	ESF	00036	HM	Y	N		S	NA	NA	33+	NA	NA	A	Y
	2230				AMCA-500-75											
3HVQ*DMP23	VOLUME DAMPER	90267-1	ESF	00021		Y	N		S	NA	NA	33+	NA	NA		Y
	NVC-42				AMCA-500-75											
DMPF - DAMPER,FIRE																

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVQ - VENTILATION - ENGINEERED SAFETY FEATURES BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVQ*DMPF25	FIRE DAMPER	44453-1/0801	ESF	00036	DM / 12179-NS(B)-010 / IEEE-344	Y	N	.32.13	N	MF	MD		NA	NA	NA	A	Y

FN - FAN

3HVQ*FN5A	ESF EMER. VENTIL. SPLY FAN BUFFALO-FORGE 33B9 WESTINGHOUSE	82325005-45 140 20 H.P.	ESB	00036	RM / NS(B)-010-REV.0B / AMCA STD/IEEE,323,344/NUREG-0588	Y	N	.32.13	S	NA	NA		33+	33+	33+	A	Y
3HVQ*FN5B	ESF EMER. VENTIL. SPLY FAN BUFFALO FORGE 33B9 WESTINGHOUSE	82325005-45 140 20 H.P.	ESB	00036	RM / NS(B)-010-REV.0B / AMCA STD/IEEE 323,344/NUREG-0588	Y	N	.32.13	S	NA	NA		33+	33+	33+	A	Y
3HVQ*FN6A	ESF EMER. VENTIL. EXH. FAN BUFFALO FORGE 33B7 WESTINGHOUSE	82325005-45 140 15 H.P.	ESB	00036	RM / NS(B)-010-REV.0B / AMCA STD/IEEE/323,344/NUREG-0588	Y	N	.40.14	S	NA	NA		33+	33+	33+	A	Y
3HVQ*FN6B	ESF EMER. VENTIL. EXH. FAN BUFFALO FORGE 33B7 WESTINGHOUSE	82325005-45 140 15 H.P.	ESB	00036	RM / NS(B)-010-REV.0B / AMCA STD/IEEE 323,344/NUREG-0588	Y	N	.40.14	S	NA	NA		33+	33+	33+	A	Y

ACUS - AIR CONDITIONING UNIT, SELF CONTAINED

3HVQ*ACUS1A	ESF SELF CNTD A/C UNIT CVI B275-1100-1 WESTINGHOUSE	B275-9917 144 MOTORS	ESB	00036	CF / 12179-NS(B)-010 / ASME III,VIII,IX, IEEE 323,344	Y	N	.32.13	D	NA	NA		31.0	21.6	31.0	A	I

REPORT NO. HSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HVQ - VENTILATION - ENGINEERED SAFETY FEATURES BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVQ*ACUS1B	ESF SELF CNTD A/C UNIT		ESB	00036	CF	Y	N	.32.13	D	NA	NA		31.0	21.6	31.0	A	I
	CVI	B275-9917			12179-NS(B)-010												
	B275-1100-1	144			ASME III,VIII,IX, IEEE 323,344												
	WESTINGHOUSE	MOTORS															
3HVQ*ACUS2A	ESF SELF CNTD A/C UNIT		ESB	00036	CF	Y	N	.32.13	D	NA	NA		31.0	21.6	31.0	A	I
	CVI	B275-9917			12179-NS(B)-010												
	B275-1100-1	144			ASME III,VIII,IX, IEEE 323,344												
	WESTINGHOUSE	MOTORS															
3HVQ*ACUS2B	ESF SELF CNTD A/C UNIT		ESB	00036	CF	Y	N	.32.13	D	NA	NA		31.0	21.6	31.0	A	I
		B275-9917			12179-NS(B)-010												
	B275-1100-1	144			ASME III,VIII,IX, IEEE 323,344												
TC - CONTROLLER,TEMPERATURE																	
3HVQ*TC26A	AUX FW PP AREA VENT INL & EXH		CB		RH	Y	N		N	MF	MD		NA	NA	NA	C	
	FOXBORO	QOAAA05			NS(B)-017 REV 1B												
	N-2AC-A2	392			IEEE 344,323												
	P CONTROLLER	N-2AC-A2															
3HVQ*TC26B	AUX FW PP AREA VENT INL & EXH		CB		RH	Y	N									C	
	FOXBORO	QOAA05			NS(B)-017 REV 1B												
	N-2AC-A2	392			IEEE 344,323												
	P CONTROLLER	N-2AC-A2															
TIC - CONTROLLER,INDICATING,TEMPERATURE																	
3HVQ*TIC26A	AUX FW PP AREA VENT INL & EXH		ESB		RH	Y	N									A	
	FOXBORO	QOAB67			NS(B)-017 REV 1B												
	N-250HM+M2NH-F	392			IEEE 344,323												
	ELEC DISPL STATIONS	N-250HM+M2NH-F															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HVQ - VENTILATION - ENGINEERED SAFETY FEATURES BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS DYN.	LOADS: OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ INS
3HVQ*TIC26B	AUX FW PP AREA VENT INL & EXH		ESB		RM	Y	N							A
	FOXBORO	QOAB67			NS(B)-017 REV 1B									
	N-250HM+M2NH-F	392			IEEE 344,323									
	ELEC DISPL STATIONS	N-250HM+M2NH-F												

TS - SWITCH,TEMPERATURE

3HVQ*TS26A1	AUX FW PP AREA VENT INL & EXH		CB		RM	Y	N							A
	FOXBORO	QOAB33			NS(B)-017 REV 1B									
	N-2AP+ALM-AR	392			IEEE 344,323									
	SIGNAL BISTABLES	N-2AP+ALM-AR												
3HVQ*TS26A2	AUX FW PP AREA VENT INL & EXH		CB		RM	Y	N							A
	FOXBORO	QOAB33			NS(B)-017 REV 1B									
	N-2AP+ALM-AR	392			IEEE 344,323									
	SIGNAL BISTABLES	N-2AP+ALM-AR												
3HVQ*TS26B1	AUX FW PP AREA VENT INL & EXH		CB		RM	Y	N							A
	FOXBORO	QOAB33			NS(B)-017 REV 1B									
	N-2AP+ALM-AR	392			IEEE 344,323									
	SIGNAL BISTABLES	N-2AP+ALM-AR												
3HVQ*TS26B2	AUX FW PP AREA VENT INL & EXH		CB		RM	Y	N							A
	FOXBORO	QOAB33			NS(B)-017 REV 1B									
	N-2AP+ALM-AR	392			IEEE 344,323									
	SIGNAL BISTABLES	N-2AP+ALM-AR												

TY - RELAY,COMPUTING,SELECTING OR BOOSTER,TEMPERATURE

3HVQ*TY26A1	AUX FW PP AREA VENT INL & EXH		CB		RM	Y	N							A
	FOXBORO	QOAB29			NS(B)-017 REV 1B									
	N-2AI-P2V	392			IEEE 344,323									
	R/E CONVERTER	N-2AI-P2V												

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVQ - VENTILATION - ENGINEERED SAFETY FEATURES BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVQ*TY26A2	AUX FW PP AREA VENT INL & EXH FOXBORO N-2AO-V2I E/I CONVERTER	 QOAB50 392 N-2AO+V2I	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N								C	
3HVQ*TY26B1	AUX FW PP AREA VENT INL & EXH FOXBORO N-2AI-P2V R/E CONVERTER	 QOAB29 392 N-2AI-P2V	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N								A	
3HVQ*TY26B2	AUX FW PP AREA VENT INL & EXH FOXBORO N-2AO-V2I E/I CONVERTER	 QOAB50 392 N-2AO+V2I	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N								A	
DMPF - DAMPER,FIRE																
3HVQ*DMPF1	FIRE DAMPER	44453-1/0801 565	ESB	00036	DM 12179-NS(B)-010 IEEE-344	Y	N	.32.13	N	MF	MD	NA	NA	NA	A	Y
3HVQ*DMPF10	FIRE DAMPER	44453-1/0801 565	ESB	00036	DM 12179-NS(B)-010 IEEE-344	Y	N	.32.13	N	MF	MD	NA	NA	NA	A	Y
3HVQ*DMPF11	FIRE DAMPER	44453-1/0801 565	ESB	00036	DM 12179-NS(B)-010 IEEE-344	Y	N	.32.13	N	MF	MD	NA	NA	NA	A	Y
3HVQ*DMPF12	FIRE DAMPER	44453-1/0801 565	ESB	00036	DM 12179-NS(B)-010 IEEE-344	Y	N	.40.14	N	MF	MD	NA	NA	NA	A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVQ - VENTILATION - ENGINEERED SAFETY FEATURES BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVQ*DMPF13	FIRE DAMPER	44453-1/0801 565	ESB	00036	DM 12179-NS(B)-010 IEEE-344	Y	N	.40.14	N	MF	MD		NA	NA	NA	A	Y
3HVQ*DMPF14	FIRE DAMPER	44453-1/0801 565	ESB	00036	DM 12179-NS(B)-010 IEEE-344	Y	N	.40.14	N	MF	MD		NA	NA	NA	A	Y
3HVQ*DMPF15	FIRE DAMPER	44453-1/0801 565	ESB	00036	DM 12179-NS(B)-010 IEEE-344	Y	N	.40.14	N	MF	MD		NA	NA	NA	A	Y
3HVQ*DMPF16	FIRE DAMPER	44453-1/0801 565	ESB	00036	DM 12179-NS(B)-010 IEEE-344	Y	N	.40.14	N	MF	MD		NA	NA	NA	A	Y
3HVQ*DMPF17	FIRE DAMPER	44453-1/0801 565	ESB	00036	DM 12179-NS(B)-010 IEEE-344	Y	N	.40.14	N	MF	MD		NA	NA	NA	A	Y
3HVQ*DMPF18	FIRE DAMPER	44453-1/0801 565	ESB	00036	DM 12179-NS(B)-010 IEEE-344	Y	N	.40.14	N	MF	MD		NA	NA	NA	A	Y
3HVQ*DMPF19	FIRE DAMPER	44453-1/0801 565	ESB	00036	DM 12179-NS(B)-010 IEEE-344	Y	N	.40.14	N	MF	MD		NA	NA	NA	A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVQ - VENTILATION - ENGINEERED SAFETY FEATURES BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVQ*DMPF2	FIRE DAMPER	44453-1/0801 565	ESB	00036	DM 12179-NS(B)-010 IEEE-344	Y	N	.40.14	N	MF	MD		NA	NA	NA	A	Y
3HVQ*DMPF26	FIRE DAMPER	44453-1/0801 565	ESB	00036	DM 12179-NS(B)-010 IEEE-344	Y	N	.32.13	N	MF	MD		NA	NA	NA	A	Y
3HVQ*DMPF3	FIRE DAMPER	44453-1/0801 565	ESB	00036	DM 12179-NS(B)-010 IEEE-344	Y	N	.40.14	N	MF	MD		NA	NA	NA	A	Y
3HVQ*DMPF4	FIRE DAMPER	44453-1/0801 565	ESB	00036	DM 11279-NS(B)-010 IEEE-344	Y	N	.32.13	N	MF	MD		NA	NA	NA	A	Y
3HVQ*DMPF5	FIRE DAMPER	44453-1/0801 565	ESB	00036	DM 11279-NS(B)-010 IEEE-344	Y	N	.32.13	N	MF	MD		NA	NA	NA	A	Y
3HVQ*DMPF6	FIRE DAMPER	44453-1/0801 565	ESB	00036	DM 12179-NS(B)-010 IEEE-344	Y	N	.40.14	N	MF	MD		NA	NA	NA	A	Y
3HVQ*DMPF7	FIRE DAMPER	44453-1/0801 565	ESB	00036	DM 12179-NS(B)-010 IEEE-344	Y	N	.40.14	N	MF	MD		NA	NA	NA	A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVQ - VENTILATION - ENGINEERED SAFETY FEATURES BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVQ*DMPF8	FIRE DAMPER	44453-1/0801 565	ESB	00036	DM 12179-NS(B)-010 IEEE-344	Y	N	.32.13	N	MF	MD	NA	NA	NA	A	Y
3HVQ*DMPF9	FIRE DAMPER	44453-1/0801 565	ESB	00036	DM 12179-NS(B)-010 IEEE-344	Y	N	.32.13	N	MF	MD	NA	NA	NA	A	Y
DMP - DAMPER																
3HVQ*DMP1	MANUAL VOL. DAMPER / NVC-42	90267-303 583	ESB	00036	HM NS(B)-010 AMCA-500-75	Y	N	.40.14	S	NA	NA	33+	NA	NA	A	Y
3HVQ*DMP10	MANUAL VOL. DAMPER / NVC-42	90267-303 583	ESB	00021	HM NS(B)-010 AMCA-500-75	Y	N	.23.12	S	NA	NA	33+	NA	NA	A	Y
3HVQ*DMP11	MANUAL VOL. DAMPER / NVC-42	90267-303 583	ESB	00021	HM NS(B)-010 AMCA-500-75	Y	N	.32.13	S	NA	NA	33+	NA	NA	A	Y
3HVQ*DMP12	MANUAL VOL. DAMPER / NVC-42	90267-303 583	ESB	00021	HM NS(B)-010 AMCA-500-75	Y	N	.32.13	S	NA	NA	33+	NA	NA	A	Y
3HVQ*DMP13	MANUAL VOL. DAMPER / NVC-42	90267-303 583	ESB	00021	HM NS(B)-010 AMCA-500-75	Y	N	.23.12	S	NA	NA	33+	NA	NA	A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HVQ - VENTILATION - ENGINEERED SAFETY FEATURES BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVQ*DMP14	MANUAL VOL. DAMPER		ESB	00021	HM	Y	N	.32.13	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-010												
	NVC-42	583			AMCA-500-75												
3HVQ*DMP15	MANUAL VOL. DAMPER		ESB	00004	HM	Y	N	.23.12	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-010												
	NVC-42	583			AMCA-500-75												
3HVQ*DMP16	MANUAL VOL. DAMPER		ESB	00004	HM	Y	N	.20.12	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-010												
	NVC-42	583			AMCA-500-75												
3HVQ*DMP18	MANUAL VOL. DAMPER		ESB	00036	HM	Y	N	.40.14	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-010												
	NVC-42	583			AMCA-500-75												
3HVQ*DMP19	MANUAL VOL. DAMPER		ESB	00021	HM	Y	N	.32.13	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-010												
	NVC-42	583			AMCA-500-75												
3HVQ*DMP2	MANUAL VOL. DAMPER		ESB	00036	HM	Y	N	.40.14	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-010												
	NVC-42	583			AMCA-500-75												
3HVQ*DMP20	MANUAL VOL. DAMPER		ESB	00021	HM	Y	N	.32.13	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-010												
	NVC-42	583			AMCA-500-75												

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVQ - VENTILATION - ENGINEERED SAFETY FEATURES BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	LOADS: ANLYS	QUAL METH: TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVQ*DMP22	MANUAL VOL. DAMPER NVC-42	90267-303 583	ESB	00036	HM NS(B)-010 AMCA-500-75	Y	N	.32.13	S	NA	NA	33+	NA	NA	A	Y
3HVQ*DMP24	MANUAL VOL. DAMPER NVC-42	90267-303 583	ESB	00004	HM NS(B)-010 AMCA-500-75	Y	N	.23.12	S	NA	NA	33+	NA	NA	A	Y
3HVQ*DMP25	MANUAL VOL. DAMPER NVC-42	90267-303 583	ESB	00004	HM NS(B)-010 AMCA-500-75	Y	N	.20.12	S	NA	NA	33+	NA	NA	A	Y
3HVQ*DMP26	MANUAL VOL. DAMPER NVC-42	90267-303 583	ESB	00036	HM NS(B)-010 AMCA-500-75	Y	N	.32.13	S	NA	NA	33+	NA	NA	A	Y
3HVQ*DMP27	MANUAL VOL. DAMPER NVC-42	90267-303 583	ESB	00021	HM NS(B)-010 AMCA-500-75	Y	N	.23.12	S	NA	NA	33+	NA	NA	A	Y
3HVQ*DMP28	MANUAL VOL. DAMPER NVC-42	90267-303 583	ESB	00036	HM NS(B)-010 ACMA-500-75	Y	N	.32.13	S	NA	NA	33+	NA	NA	A	Y
3HVQ*DMP29	MANUAL VOL. DAMPER NVC-42	90267-303 583	ESB	00036	HM NS(B)-010 ACMA-500-75	Y	N	.32.13	S	NA	NA	33+	NA	NA	A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVQ - VENTILATION - ENGINEERED SAFETY FEATURES BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RPS REF CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVQ*DMP3	MANUAL VOL. DAMPER NVC-42	90267-303 583	ESB	00036	HM NS(B)-010 AMCA-500-75	Y	N	.32.13	S	NA	NA	33+	NA	NA	A	Y
3HVQ*DMP30	MANUAL VOL. DAMPER NVC-42	90267-303 583	ESB	00036	HM NS(B)-010 AMCA-500-75	Y	N	.32.13	S	NA	NA	33+	NA	NA	A	Y
3HVQ*DMP31	MANUAL VOL. DAMPER NVC-42	90267-303 583	ESB	00036	HM NS(B)-010 AMCA-500-75	Y	N	.32.13	S	NA	NA	33+	NA	NA	A	Y
3HVQ*DMP32	MANUAL VOL. DAMPER NVC-	90267-303 583	ESB	00036	HM NS(B)-010 AMCA-500-75	Y	N	.40.14	S	NA	NA	33+	NA	NA	A	Y
3HVQ*DMP33	MANUAL VOL. DAMPER NVC-42	90267-303 583	ESB	00036	HM NS(B)-010 AMCA-500-75	Y	N	.32.13	S	NA	NA	33+	NA	NA	A	Y
3HVQ*DMP34	MANUAL VOL. DAMPER NVC-42	90267-303 583	ESB	00036	HM NS(B)-010 AMCA-500-75	Y	N	.32.13	S	NA	NA	33+	NA	NA	A	Y
3HVQ*DMP35	MANUAL VOL. DAMPER NVC-42	90267-303 583	ESB	00036	HM NS(B)-010 AMCA-500-75	Y	N	.32.13	S	NA	NA	33+	NA	NA	A	Y

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVQ - VENTILATION - ENGINEERED SAFETY FEATURES BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVQ*DMP36	MANUAL VOL. DAMPER		ESB	00036	HM	Y	N	.32.13	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-010											
	NVC-42	583			AMCA-500-75											
3HVQ*DMP4	MANUAL VOL. DAMPER		ESB	00021	HM	Y	N	.32.13	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-010											
	NVC-42	583			AMCA-500-75											
3HVQ*DMP5	MANUAL VOL. DAMPER			00021	HM	Y	N	.32.13	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-010											
	NVC-42	583			AMCA-500-75											
3HVQ*DMP6	MANUAL VOL. DAMPER		ESB	00036	HM	Y	N	.32.13	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-010											
	NVC-42	583			AMCA-500-75											
3HVQ*DMP7	MANUAL VOL. DAMPER		ESB	00036	HM	Y	N	.32.13	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-010											
	NVC-42	583			AMCA-500-75											
3HVQ*DMP8	MANUAL VOL. DAMPER		ESB	00036	HM	Y	N	.40.14	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-010											
	NVC-42	583			AMCA-500-75											
3HVQ*DMP9	MANUAL VOL. DAMPER		ESB	00036	HM	Y	N	.40.14	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-010											
	NVC-42	583			AMCA-500-75											

AOD - DAMPER,AIR OPERATED

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVQ - VENTILATION - ENGINEERED SAFETY FEATURES BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER / DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVQ*AOD40A	SI & QSS AND RES HX AREAS EXH		ESB	00036	CW	Y	N	.40.14	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-010 REV 0B											
	AWV-7402	594			IEEE-323,344-382											
	NAMCO LIMIT SWITCH	EA740														
3HVQ*AOD40B	SI & QSS AND RES HX AREAS EXHC		ESB	00036	CW	Y	N	.40.14	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-010 REV 0B											
	AWV-7402	594			IEEE-323,344-382											
	NAMCO LIMIT SWITCH	EA740														
3HVQ*AOD40C	SI & QSS AND RES HX AREAS EXH		ESB	00036	CW	Y	N	.40.14	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-010 REV 0B											
	AWV-7402	594			IEEE-323,344-382											
	NAMCO LIMIT SWITCH	EA740														
3HVQ*AOD40D	SI & QSS AND RES HX AREAS EXH		ESB	00036	CW	Y	N	.40.14	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-010 REV 0B											
	AWV-7402	594			IEEE-323,344-382											
	NAMCO LIMIT SWITCH	EA740														
3HVQ*AOD41A	SI & QSS AND RES HX AREA SPLY		ESB	00036	CW	Y	N	.32.13	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-010 REV 0B											
	AWV-7402	594			IEEE-323,344-382											
	NAMCO LIMIT SWITCH	EA740														
3HVQ*AOD41B	SI & QSS AND RES HX AREA SPLY		ESB	00036	CW	Y	N	.32.13	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-010 REV 0B											
	AWV-7402	594			IEEE-323,344-382											
	NAMCO LIMIT SWITCH	EA740														
3HVQ*AOD41C	SI & QSS AND RES HX AREA SPLY		ESB	00036	CW	Y	N	.32.13	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-010 REV 0B											
	AWV-7402	594			IEEE-323,344-382											
	NAMCO LIMIT SWITCH	EA740														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVQ - VENTILATION - ENGINEERED SAFETY FEATURES BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	SEIS	LOADS: OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVQ*AOD41D	SI & QSS AND RES HX AREA SPLY		ESB	00036	CW	Y	N	.32.13	N		SF	SD	35+	29	29		A
	AMERICAN WARMING	80271-301			NS(B)-010 REV 0B												
	AWV-7402	594			IEEE-323,344-382												
	NAMCO LIMIT SWITCH	EA740															
3HVQ*AOD42A	CONT RECIRC PPS & CLRS AREA EX		ESB	00036	CW	Y	N	.40.14	N		SF	SD	35+	29	29		A
	AMERICAN WARMING	80271-301			NS(B)-010 REV 0B												
	AWV-7402	594			IEEE-323,344-382												
	NAMCO LIMIT SWITCH	EA740															
3HVQ*AOD42B	CONT RECIRC PPS & CLRS AREA EX		ESB	00036	CW	Y	N	.40.14	N		SF	SD	35+	29	29		A
	AMERICAN WARMING	80271-301			NS(B)-010 REV 0B												
	AWV-7402	594			IEEE-323,344-382												
	NAMCO LIMIT SWITCH	EA740															
3HVQ*AOD42C	CONT RECIRC PPS & CLRS AREA EX		ESB	00036	CW	Y	N	.40.14	N		SF	SD	35+	29	29		A
	AMERICAN WARMING	80271-301			NS(B)-010 REV 0B												
	AWV-7402	594			IEEE-323,344-382												
	NAMCO LIMIT SWITCH	EA740															
3HVQ*AOD42D	CONT RECIRC PPS & CLRS AREA EX		ESB	00036	CW	Y	N	.40.14	N		SF	SD	35+	29	29		A
	AMERICAN WARMING	80271-301			NS(B)-010 REV 0B												
	AWV-7402	594			IEEE-323,344-382												
	NAMCO LIMIT SWITCH	EA740															
3HVQ*AOD43A	CONT RECIRC PPS&CLRS AREA SPLY		ESB	00036	CW	Y	N	.40.14	N		SF	SD	35+	29	29		A
	AMERICAN WARMING	80271-301			NS(B)-010 REV 0B												
	AWV-7402	594			IEEE-323,344-382												
	NAMCO LIMIT SWITCH	EA740															
3HVQ*AOD43B	CONT RECIRC PPS&CLRS AREA SPLY		ESB	00036	CW	Y	N	.32.13	N		SF	SD	35+	29	29		A
	AMERICAN WARMING	80271-301			NS(B)-010 REV 0B												
	AWV-7402	594			IEEE-323,344-382												
	NAMCO LIMIT SWITCH	EA740															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HVQ - VENTILATION - ENGINEERED SAFETY FEATURES BLDG

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG / RRS REF / CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3HVQ*AOD43C	CONT RECIRC PPS&CLRS AMERICAN WARMING AWV-7402 NAMCO LIMIT SWITCH	AREA SPLY 80271-301 594 EA740	ESB	00036	CW NS(B)-010 REV 0B IEEE-323,344-382	Y	N	.32.13	N	SF	SD		35+	29	29	A	
3HVQ*AOD43D	CONT RECIRC PPS&CLRS AMERICAN WARMING AWV-7402 NAMCO LIMIT SWITCH	AREA SPLY 80271-301 594 EA740	ESB	00036	CW NS(B)-010 REV 0B IEEE-323,344-382	Y	N	.32.13	N	SF	SD		35+	29	29	A	
MOD - DAMPER,MOTOR OPERATED																	
3HVQ*MOD26A1	AUX FW PP AREA VENT INL & EXH AMERICAN WARMING AWV-7402 NAMCO LIMIT SWITCH	80271-301 594 EA740	ESB	00038	CW NS(B)-010 REV 0B IEEE-323,344,382	Y	N	.40.14	N	SF	SD		35+	29	29	A	
3HVQ*MOD26A2	AUX FW PP AREA VENT INL & EXH AMERICAN WARMING AWV-7402 NAMCO LIMIT SWITCH	80271-301 594 EA740	ESB		CW NS(B)-010 REV 0B IEEE-323,344,382	Y	N	.40.14	N	SF	SD		35+	29	29	A	
3HVQ*MOD26B1	AUX FW PP AREA VENT INL & EXH AMERICAN WARMING AWV-7402 NAMCO LIMIT SWITCH	80271-301 594 EA740	ESB	00047	CW NS(B)-010 REV 0B IEEE-323,344,382	Y	N	.40.14	N	SF	SD		35+	29	29	A	
3HVQ*MOD26B2	AUX FW PP AREA VENT INL & EXH AMERICAN WARMING AWV-7402 NAMCO LIMIT SWITCH	80271-301 594 EA740	ESB	00047	CW NS(B)-010 REV 0B IEEE-323,344,382	Y	N	.40.14	N	SF	SD		35+	29	29	A	
3HVQ*MOD26C1	AUX FW PP AREA VENT INL & EXH AMERICAN WARMING AWV-7402 NAMCO LIMIT SWITCH	80271-301 594 EA740	ESB	00043	CW NS(B)-010 REV 0B IEEE-323,344,382	Y	N	.40.14	N	SF	SD		35+	29	29	A	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVQ - VENTILATION - ENGINEERED SAFETY FEATURES BLDG

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	TEST	TEST FREQ	DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3HVQ*MOD26C2	AUX FW PP AREA VENT INL & EXH		ESB	00043	CW	Y	N	.40.14	N	SF	SD		35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-010 REV 0B												
	AMV-7402	594			IEEE-323,344,382												
	NANCO LIMIT SWITCH	EA740															
SOV - VALVE,SOLENOID																	
3HVQ*SOV40A	SI & QSS AND RES HX AREAS EXH		ESB	00051	DM	Y	N	.40.14	N	SF	SD		*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-010 REV 0B												
	NPK8320A182E	594			IEEE-323,344,382,627												
	ASCO SOLENOID	NPK8320E															
3HVQ*SOV40B	SI & QSS AND RES HX AREAS EXH		ESB	00051	DM	Y	N	.40.14	N	SF	SD		*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-010 REV 0B												
	NPK8320A182E	594			IEEE-323,344,382,627												
	ASCO SOLENOID	NPK8320E															
3HVQ*SOV40C	SI & QSS AND RES HX AREAS EXH		ESB	00051	DM	Y	N	.40.14	N	SF	SD		*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-010 REV 0B												
	NPK8320A182E	594			IEEE-323,344,382,627												
	ASCO SOLENOID	NPK8320E															
3HVQ*SOV40D	SI & QSS AND RES HX AREAS EXH		ESB	00051	DM	Y	N	.40.14	N	SF	SD		*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-010 REV 0B												
	NPK8320A182E	594			IEEE-323,344,382,627												
	ASCO SOLENOID	NPK8320E															
3HVQ*SOV41A	SI & QSS AND RES HX AREA SPLY		ESB	00036	DM	Y	N	.32.13	N	SF	SD		*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-010 REV 0B												
	NPK8320A182E	594			IEEE-323,344,382,627												
	ASCO SOLENOID	NPK8320E															
3HVQ*SOV41B	SI & QSS AND RES HX AREA SPLY		ESB	00036	DM	Y	N	.32.13	N	SF	SD		*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-010 REV 0B												
	NPK8320A182E	594			IEEE-323,344,382,627												
	ASCO SOLENOID	NPK 8320E															

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REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HVQ - VENTILATION - ENGINEERED SAFETY FEATURES BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVQ*SOV41C	SI & QSS AND RES HX AREA SPLY AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR-67638 594 NPK8320E	ESB	00036	DM NS(B)-010 REV 0B IEEE-323,344,382,627	Y	N	.32.13	N	SF	SD	*	35+			A	
3HVQ*SOV41D	SI & QSS AND RES HX AREA SPLY AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR-67638 594 NPK8320E	ESB	00036	DM NS(B)-010 REV 0B IEEE-323,344,382,627	Y	N	.32.13	N	SF	SD	*	35+			A	
3HVQ*SOV42A	CONT RECIRC PPS & CLRS AREA EX AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR-67638 594 NPK8320E	ESB	00050	DM NS(B)-010 REV 0B IEEE-323,344,382,627	Y	N	.40.14	N	SF	SD	*	35+			A	
3HVQ*SOV42B	CONT RECIRC PPS & CLRS AREA EX AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR-67638 594 NPK 8320E	ESB	00049	DM NS(B)-010 REV 0B IEEE-323,344,382,627	Y	N	.40.14	N	SF	SD	*	35+			A	
3HVQ*SOV42C	CONT RECIRC PPS & CLRS AREA EX AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR-67638 594 NPK8320E	ESB	00049	DM NS(B)-010 REV 0B IEEE-323,344,382,627	Y	N	.40.14	N	SF	SD	*	35+			A	
3HVQ*SOV42D	CONT RECIRC PPS & CLRS AREA EX AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR-67638 594 NPK8320E	ESB	00050	DM NS(B)-010 REV 0B IEEE-323,344,382,627	Y	N	.40.14	N	SF	SD	*	35+			A	
3HVQ*SOV43A	CONT RECIRC PPS&CLRS AREA SPLY AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR-67638 594 NPK8320E	ESB	00036	DM NS(B)-010 REV 0B IEEE-323,344,382,627	Y	N	.32.13	N	SF	SD	*	35+			A	

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UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVQ - VENTILATION - ENGINEERED SAFETY FEATURES BLDG

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	QUAL METH TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3HVQ*SOV43B	CONT RECIRC PPS&CLRS AMERICAN WARMING NPK8320A182E ASCO SOLENOID	AREA SPLY AQR-67638 594 NPK8320E	ESB 00036		DM NS(B)-010 REV 0B IEEE-323,344,382,627	Y	N	.32.13	N	SF	SD	*	35+		A	
3HVQ*SOV43C	CONT RECIRC PPS&CLRS AMERICAN WARMING NPK8320A182E ASCO SOLENOID	AREA SPLY AQR-67638 594 NPK 8320E	ESB 00036		DM NS(B)-010 REV 0B IEEE-323,344,382,627	Y	N	.32.13	N	SF	SD	*	35+		A	
3HVQ*SOV43D	CONT RECIRC PPS&CLRS AMERICAN WARMING NPK8320A182E ASCO SOLENOID	AREA SPLY AQR-67638 594 NPK8320E	ESB 00036		DM NS(B)-010 REV 0B IEEE-323,344,382,627	Y	N	.32.13	N	SF	SD	*	35+		A	
DMP - DAMPER																
3HVQ*DMP17	MANUAL VOL. DAMPER	DD-5771-2S,REV.A 668	ESB 00021		NS(B)-010,REV.0B NA	Y	N	.40.14	S	NA	NA	66.9	35.3	158.0	A	Y
TE - TEMPERATURE ELEMENT, PRIMARY																
3HVQ*TE26A	AUX FH PP AREA VENT WEED INSTRUMENT CO 0358-00125-007 WEED RTD	INL & EXH 3035-00125-14 683 611	ESB 00038		DM NS(B)-010,REV 0B IEEE 323,344	Y	N	.40.14	N	MF	MD		33+		A	Y
3HVQ*TE26B	AUX FH PP AREA VENT WEED INSTRUMENT CO 0358-00125-007 WEED RTD	INL & EXH 3035-00125-14 683 611	ESB 00038		DM NS(B)-010,REV 0B IEEE 323,344	Y	N	.40.14	N	MF	MD		33+		A	Y
FS - SWITCH,FLOW																

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SYSTEM HVQ - VENTILATION - ENGINEERED SAFETY FEATURES BLDG

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3HVQ*FS53A	ESF BLDG SUPPLY FAN DISCH		ESB		EM	Y	N	.75G	NA	SF	MD		33+			A	Y
	FLUID COMPONENTS	708126 REV.3			NA												
	FR72-4R	686			REG.189 AND IEEE-344,1975												
	FLOW SWITCH	FR72-4															
3HVQ*FS53B	ESF BLDG SUPPLY FAN DISCH		ESB		EM	Y	N	.75G	NA	SF	MD		33+			A	Y
	FLUID COMPONENTS	708126 REV.3			NA												
	FR72-4R	686			REG.189 AND IEEE-344,1975												
	FLOW SWITCH	FR72-4															

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UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV HTG / RRS REF / CODES	LOADS: SEIS / OTHER DYN. / REQ'D INPUT (ZPA)	ANLYS	QUAL METH: TEST / TEST FREQ / TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT											
DMPF - DAMPER,FIRE											
3HVR*DMPF27	FIRE DAMPER	44453-1/0801	DM / 12179-NS(B)-007 / IEEE-344	Y / N / .41.18	N	MF / MD	NA	NA	NA	A	Y
3HVR*DMPF60	FIRE DAMPER	44453-1/0801	DM / 12179-NS(B)-010 / IEEE-344	Y / N / .40.14	N	MF / MD	NA	NA	NA	A	Y
3HVR*DMPF61	FIRE DAMPER	44453-1/0801	DM / 12179-NS(B)-010 / IEEE-344	Y / N / .40.14	N	MF / MD	NA	NA	NA	A	Y
3HVR*DMPF62	FIRE DAMPER	44453-1/0801	DM / 12179-NS(B)-010 / IEEE-344	Y / N / .40.14	N	MF / MD	NA	NA	NA	A	Y
3HVR*DMPF64	FIRE DAMPER	44453-1/0801	DM / 12179-NS(B)-010 / IEEE-344	Y / N / .32.13	N	MF / MD	NA	NA	NA	A	Y
FLT - FILTER											

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SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: CQ	INS
3HVR*FLT1A	AUX BLD FILTER		AB	00066	CF	Y	N	.41.18	S	NA	NA	22+	22+	22+	A	Y
	CVI	HC-1188 & ADD 2			NS(B)-007 REV 0B											
		065			IEEE 344											
	FILTER	N/A														
3HVR*FLT1B	AUX BLDG AIR FILTER UNIT		AB	00066	CF	Y	N	.41.18	S	NA	NA	22+	22+	22+	A	Y
	CVI	HC-1188 & ADD 2			NS(B)-007 REV 0B											
		065			IEEE 344											
	FILTER	N/A														
3HVR*FLT2A	FILTER		AB	00079	CF	Y	N	.41.18	S	NA	NA	22+	22+	22+	A	Y
	CVI	HC-1188 & ADD 2			NS(B)-007 REV 0B											
		065			IEEE 344											
	FILTER															
3HVR*FLT2B	FUEL BLDG FILTER ASSY		AB	00066	CF	Y	N	.41.18	S	NA	NA	22+	22+	22+	A	Y
	CVI	HC-1188 & ADD 2			NS(B)-007 REV 0B											
		065			IEEE 344											
	FILTER	N/A														
3HVR*FLT3A	SLCRS FILTER UNIT		AB	00066	CF	Y	N	.41.18	S	NA	NA	22+	22+	22+	A	Y
		HC-1188 & ADD 2			NS(B)-007 REV.0B											
		065			IEEE 344											
3HVR*FLT3B	SLCRS FILTER UNIT		AB	00066	CF	Y	N	.41.18	S	NA	NA	22+	22+	22+	A	Y
	CVI	HC-1188 & ADD 2			NS(B)-007 REV 0B											
		065			IEEE 344											
	FILTER															

PDIS - SWITCH,INDICATING,PRESSURE DIFFERENTIAL

3HVR-PDIS162B	PRE FLT HVU1A & B		AB		F	Y	N								C	Y
					NS(B)-007 REV 0B											
		065			IEEE-344,323											

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NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: HTG RRS REF CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
TS - SWITCH,TEMPERATURE																
3HVR-TS175A3	AUX BLDG FLT HTR A19-AAC-9	16528-1,REV 2 065	AB		EM NS(B)-007 REV 0B IEEE 323,344	Y	N	.41.18	N	MF	MD	NA	NA	NA	C	
3HVR-TS175A4	AUX BLDG FLT HTR A19-AAC-9	16528-1,REV 2 065	AB		EM NS(B)-007 REV 0B IEEE 323,344	Y	N	.41.18	N	MF	MD	NA	NA	NA	C	
3HVR-TS175B3	AUX BLDG FLT HTR A19-AAC-9	16528-1,REV 2 065	AB		EM NS(B)-007 REV 0B IEEE 323,344	Y	N	.41.18	N	MF	MD	NA	NA	NA	C	
3HVR-TS175B4	AUX BLDG FLT HTR A19-AAC-9	16528-1,REV 2 065	AB		EM NS(B)-007 REV 0B IEEE 323,344	Y	N	.41.18	N	MF	MD	NA	NA	NA	C	
FN - FAN																
3HVR*FN10A	FUEL BLDG EXH FAN WESTINGHOUSE (2) 29B7 BUFFALO FORGE	82325005-45 140	AB		CW NS(B)-007-REV.0B AMCA STD/IEEE 323,344/NUREG-0588	Y	N	.51.19	S	NA	NA	33+	33+	33+	A	Y
3HVR*FN10B	FUEL BLDG EXH FAN WESTINGHOUSE (2) 29B7 BUFFALO FORGE	82325005-45 140	AB		CW NS(B)-007-REV.0B AMCA STD/IEEE 323,344/NUREG-0588	Y	N	.44.18	S	NA	NA	33+	33+	33+	A	Y

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EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVR*FN13A	CHG.PP.CUBICLES EXH FAN BUFFALO FORGE 29B7 WESTINGHOUSE	82325005-45 140 60 H.P.	AB	00066	HM NS(B)-007-REV.0B AMCA STD/IEEE 323,344/NUREG-0588	Y	N	.41.18	S		NA	NA	33+	33+	33+	A	Y
3HVR*FN13B	CHG.PP.CUBICLES EXH.FAN BUFFALO FORGE 29B7 WESTINGHOUSE	82325005-45 140 60 H.P.	AB	00066	HM NS(B)-007-REV.0B AMCA STD/IEEE 323,344/NUREG-0558	Y	N	.41.18	S		NA	NA	33+	33+	33+	A	Y
3HVR*FN14A	CHG.CLG.PP.SPLY FN BUFFALO FORGE 29B5 WESTINGHOUSE	82325005-45 140 40 H.P.	AB	00074	CF NS(B)-007-REV.0B AMCA STD/IEEE 323,344/NUREG-0558	Y	N	.41.18	S		NA	NA	33+	33+	33+	A	Y
3HVR*FN14B	CHG/COMP CLG PP SPLY FN BUFFALO FORGE 29B5 WESTINGHOUSE	82325005-45 140 40 H.P.	AB	00066	CF NS(B)-007-REV.0B AMCA STD/IEEE 323,344/NUREG-0558	Y	N	.41.18	S		NA	NA	33+	33+	33+	A	Y
3HVR*FN6A	AUX BLDG FILTER EXH FAN BUFFALO FORGE 29B7 WESTINGHOUSE	82325005-45 140 75 H.P.	AB	00066	CW NS(B)-007-REV.0B AMCA STD/IEEE 323,344/NUREG-0588	Y	N	.51.19	S		NA	NA	33+	33+	33+	A	Y
3HVR*FN6B	AUX BLDG FILTER EXH FAN BUFFALO FORGE 29B7 WESTINGHOUSE	82325005-45 140 75 H.P.	AB	00066	CW NS(B)-007-REV.0B AMCA STD/IEEE 323,344/NUREG-0588	Y	N	.44.18	S		NA	NA	33+	33+	33+	A	Y

FN - FAN

3HVR*FN12A	S.L.C.R.S. EXHAUST FAN BUFFALO FORGE 730 L-21 WESTINGHOUSE	82325472-500 141 75 H.P.	AB	00078	RM NS(B)-007-REV.0B AMCA STD/IEEE 323,324/NUREG-0588	Y	N	.47.19	Y		NA	NA	20+	20+	20+	A	Y

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3HVR*FN12B	S.L.C.R.S. EXHAUST FAN BUFFALO FORGE 730 L-21 WESTINGHOUSE	 82325472-500 141 75 H.P.	AB	00066	RM NS(B)-007-REV.0B AMCA STD/IEEE 323,324/NUREG-0588	Y	N	.47.19	Y	NA	NA		20+	20+	20+	A	Y
DMPF - DAMPER,FIRE																	
3HVR*DMPF1	FIRE DAMPER	44453-1/0801 565	AB	00043	DM 12179-NS(B)-007 IEEE-344	Y	N	.32.18	N	MF	MD		NA	NA	NA	A	Y
3HVR*DMPF10	FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.41.18	N	MF	MD		NA	NA	NA	A	Y
3HVR*DMPF11	FIRE DAMPER	44453-1/0801 565	AB	00079	DM 12179-NS(B)-007 IEEE-344	Y	N	.56.20	N	MF	MD		NA	NA	NA	A	Y
3HVR*DMPF12	FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.56.20	N	MF	MD		NA	NA	NA	A	Y
3HVR*DMPF13	FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.56.20	N	MF	MD		NA	NA	NA	A	Y
3HVR*DMPF14	FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.56.20	N	MF	MD		NA	NA	NA	A	Y

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NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVR*DMPF15	FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.56.20	N	MF	MD		NA	NA	NA	A	Y
3HVR*DMPF16	FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.56.20	N	MF	MD		NA	NA	NA	A	Y
3HVR*DMPF17	FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.41.18	N	MF	MD		NA	NA	NA	A	Y
3HVR*DMPF18	FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.41.18	N	MF	MD		NA	NA	NA	A	Y
3HVR*DMPF19	FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.56.20	N	MF	MD		NA	NA	NA	A	Y
3HVR*DMPF2	FIRE DAMPER	44453-1/0801 565	AB	00043	DM 12179-NS(B)-007 IEEE-344	Y	N	.32.18	N	MF	MD		NA	NA	NA	A	Y
3HVR*DMPF20	FIRE DAMPER	44453-1/0801 565	AB	00079	DM 12179-NS(B)-007 IEEE-344	Y	N	.56.20	N	MF	MD		NA	NA	NA	A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVR*DMPF21	FIRE DAMPER	44453-1/0801 565	FB	00079	DM 12179-NS(B)-007 IEEE-344	Y	N	.56.20	N	MF	MD	NA	NA	NA	A	Y
3HVR*DMPF22	FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.56.20	N	MF	MD	NA	NA	NA	A	Y
3HVR*DMPF23	FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.56.20	N	MF	MD	NA	NA	NA	A	Y
3HVR*DMPF24	FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.56.20	N	MF	MD	NA	NA	NA	A	Y
3HVR*DMPF25	FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.56.20	N	MF	MD	NA	NA	NA	A	Y
3HVR*DMPF26	2-3 HR. FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.56.20	N	MF	MD	NA	NA	NA	A	Y
3HVR*DMPF28	2-3 HR. FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.56.20	N	MF	MD	NA	NA	NA	A	Y

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SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CCDES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVR*DMPF3	FIRE DAMPER	44453-1/0801 565	AB	00043	DM 12179-NS(B)-007 IEEE-344	Y	N	.32.18	N	MF	MD	NA	NA	NA	A	Y
3HVR*DMPF30	2-3 HR. FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.56.20	N	MF	MD	NA	NA	NA	A	Y
3HVR*DMPF31	2-3 HR. FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.56.20	N	MF	MD	NA	NA	NA	A	Y
3HVR*DMPF32	2-3 HR. FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.56.20	N	MF	MD	NA	NA	NA	A	Y
3HVR*DMPF4	FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.41.18	N	MF	MD	NA	NA	NA	A	Y
3HVR*DMPF42	FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.41.18	N	MF	MD	NA	NA	NA	A	Y
3HVR*DMPF44	2-3 HR. FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.56.20	N	MF	MD	NA	NA	NA	A	Y

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3HVR*DMPF5	FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.41.18	N	MF	MD	NA	NA	NA	A	Y
3HVR*DMPF50	FIRE DAMPER	44453-1/0801 565	AB	00066	DM 12179-NS(B)-007 IEEE-344	Y	N	.56.20	N	MF	MD	NA	NA	NA	A	Y
3HVR*DMPF51	FIRE DAMPER	44453-1/0801 565	FB	00024	DM 12179-NS(B)-007 IEEE-344	Y	N	.56.20	N	MF	MD	NA	NA	NA	A	Y
3HVR*DMPF6	FIRE DAMPER	44453-1/0801 565	AB	00024	DM 12179-NS(B)-007 IEEE-344	Y	N	.27.16	N	MF	MD	NA	NA	NA	A	Y
3HVR*DMPF7	FIRE DAMPER	44453-1/0801 565	AB	00024	DM 12179-NS(B)-007 IEEE-344	Y	N	.32.18	N	MF	MD	NA	NA	NA	A	Y
3HVR*DMPF8	FIRE DAMPER	44453-1/0801 565	PB	00024	DM 12179-NS(B)-007 IEEE-344	Y	N	.32.18	N	MF	MD	NA	NA	NA	A	Y
3HVR*DMPF9	FIRE DAMPER	44453-1/0801 565	AB	00079	DM 12179-NS(B)-007 IEEE-344	Y	N	.50.20	N	MF	MD	NA	NA	NA	A	Y

FLT - FILTER

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SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVR*FLT4A	PREFILTER NEVCO 10H68	 NESE-718 565	AB	00066	DM 12179-NS(B)-007 ASME III,ASTM A500	Y	N	.41.18	N	SF	MD		14.9	11.5	40.0	A	Y
3HVR*FLT4B	PREFILTER NEVCO 10H68	 NESE-718 565	AB	00066	DM 12179-NS(B)-007 ASME III,ASTM A500	Y	N	.41.18	N	SF	MD		14.9	11.5	40.0	A	Y
DMP - DAMPER																	
3HVR*DMPB7A	DAMPER	 90267-1 583	FB	00024	HM AMCA-500-75				S	NA	NA		33+	NA	NA	A	Y
3HVR*DMPB7B	DAMPER	 90267-1 583	FB	00024	HM AMCA-500-75				S	NA	NA		33+	NA	NA	A	Y
3HVR*DMP1	DAMPER NVC-42	 90267-303 583	AB	00066	HM NS(B)-007 AMCA-500-75	Y	N	.41.18	S	NA	NA		33+	NA	NA	A	Y
3HVR*DMP10	DAMPER NVC-42	 90267-303 583	AB	00043	HM NS(B)-007 AMCA-500-75	Y	N	.41.18	S	NA	NA		33+	NA	NA	A	Y
3HVR*DMP11	DAMPER NVC-42	 90267-303 583	AB	00043	HM NS(B)-007 AMCA-500-75	Y	N	.41.18	S	NA	NA		33+	NA	NA	A	Y

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3HVR*DMP12	DAMPER		AB	00043	HM	Y	N	.32.18	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-007											
	NVC-42	583			AMCA-500-75											
3HVR*DMP13	DAMPER		AB	00066	HM	Y	N	.41.18	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-007											
	NVC-42	583			AMCA-500-75											
3HVR*DMP14	DAMPER		AB	00066	HM	Y	N	.41.18	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-007											
	NVC-42	583			AMCA-500-75											
3HVR*DMP15	DAMPER		AB	00066	HM	Y	N	.56.20	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-007											
	NVC-42	583			AMCA-500-75											
3HVR*DMP16	DAMPER		AB	00066	HM	Y	N	.41.18	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-007											
	NVC-42	583			AMCA-500-75											
3HVR*DMP17	DAMPER		AB	00066	HM	Y	N		S	NA	NA	33+	NA	NA	A	Y
		90267-303														
	NVC-42	583			AMCA-500-75											
3HVR*DMP20	DAMPER		AB	00079	HM	Y	N	.41.18	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-007											
	NVC-42	583			AMCA-500-75											

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SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	HTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVR*DMP21	DAMPER		AB	00066	HM	Y	N	.56.20	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-007											
	NVC-42	583			AMCA-500-75											
3HVR*DMP22	DAMPER		AB	00066	HM	Y	N	.56.20	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-007											
	NVC-42	583			AMCA-500-75											
3HVR*DMP24	DAMPER		AB	00066	HM	Y	N	.56.20	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-007											
	NVC-42	583			AMCA-500-75											
3HVR*DMP27	DAMPER		AB	00066	HM	Y	N	.56.20	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-007											
	NVC-42	583			AMCA-500-75											
3HVR*DMP30	DAMPER		AB	00066	HM	Y	N	.41.18	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-007											
	NVC-42	583			AMCA-500-75											
3HVR*DMP32	DAMPER		AB	00066	HM	Y	N	.56.20	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-007											
	NVC-42	583			AMCA-500-75											
3HVR*DMP33	DAMPER		AB	00024	HM	Y	N	.27.16	S	NA	NA	33+	NA	NA	A	Y
		90267-303			NS(B)-007											
	NVC-42	583			AMCA-500-75											

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3HVR*DMP34	DAMPER NVC-42	90267-303 583	AB	00024	HM NS(B)-007 AMCA-500-75	Y	N	.27.16	S	NA	NA		33+	NA	NA	A	Y
3HVR*DMP35	DAMPER NVC-42	90267-303 583	AB	00043	HM NS(B)-007 AMCA-500-75	Y	N	.41.18	S	NA	NA		33+	NA	NA	A	Y
3HVR*DMP36	DAMPER NVC-42	90267-303 583	AB	00043	HM NS(B)-007 AMCA-500-75	Y	N	.41.18	S	NA	NA		33+	NA	NA	A	Y
3HVR*DMP37	DAMPER NVC-42	90267-303 583	AB	00043	HM NS(B)-007 AMCA-500-75	Y	N	.41.18	S	NA	NA		33+	NA	NA	A	Y
3HVR*DMP38	DAMPER NVC-42	90267-303 583	AB	00043	HM NS(B)-007 AMCA-500-75	Y	N	.41.18	S	NA	NA		33+	NA	NA	A	Y
3HVR*DMP39	DAMPER NVC-42	90267-303 583	AB	00043	HM NS(B)-007 AMCA-500-75	Y	N	.41.18	S	NA	NA		33+	NA	NA	A	Y
3HVR*DMP4	DAMPER NVC-42	90267-303 583	AB	00066	HM NS(B)-007 AMCA-500-75	Y	N	.56.20	S	NA	NA		33+	NA	NA	A	Y

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3HVR*DMP40	DAMPER		AB	00043	HM	Y	N	.41.18	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-007												
	NVC-42	583			AMCA-500-75												
3HVR*DMP41	DAMPER		AB	00043	HM	Y	N	.41.18	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-007												
	NVC-42	583			AMCA-500-75												
3HVR*DMP43	DAMPER		AB	00066	HM	Y	N	.41.18	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-007												
	NVC-42	583			AMCA-500-75												
3HVR*DMP44	DAMPER		AB	00043	HM	Y	N	.32.18	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-007												
	NVC-42	583			AMCA-500-75												
3HVR*DMP45	DAMPER		AB	00043	HM	Y	N	.32.18	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-007												
	NVC-42	583			AMCA-500-75												
3HVR*DMP46	DAMPER		AB	00043	HM	Y	N	.41.18	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-007												
	NVC-42	583			AMCA-500-75												
3HVR*DMP47	DAMPER		AB	00043	HM	Y	N	.41.18	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-007												
	NVC-42	583			AMCA-500-75												

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3HVR*DMP48	DAMPER	90267-303	AB	00066	HM / NS(B)-007	Y	N	.41.18	S	NA	NA	33+	NA	NA	A	Y
	NVC-42	583			AMCA-500-75											
3HVR*DMP49	DAMPER	90267-303	AB	00066	HM / NS(B)-007	Y	N	.56.20	S	NA	NA	33+	NA	NA	A	Y
	NVC-42	583			AMCA-500-75											
3HVR*DMP5	DAMPER	90267-303	AB	00066	HM / NS(B)-007	Y	N	.56.20	S	NA	NA	33+	NA	NA	A	Y
	NVC-42	583			AMCA-500-75											
3HVR*DMP50	DAMPER	90267-303	AB	00043	HM / NS(B)-007	Y	N	.32.18	S	NA	NA	33+	NA	NA	A	Y
	NVC-42	583			AMCA-500-75											
3HVR*DMP51	DAMPER	90267-303	AB	00043	HM / NS(B)-007	Y	N	.32.18	S	NA	NA	33+	NA	NA	A	Y
	NVC-42	583			AMCA-500-75											
3HVR*DMP52	DAMPER	90267-303	AB	00043	HM / NS(B)-007	Y	N	.32.18	S	NA	NA	33+	NA	NA	A	Y
	NVC-42	583			AMCA-500-75											
3HVR*DMP6	DAMPER	90267-303	AB	00043	HM / NS(B)-007	Y	N	.32.18	S	NA	NA	33+	NA	NA	A	Y
	NVC-42	583			AMCA-500-75											

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NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	LOADS ANLYS	QUAL METH TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3HVR*DMP7	DAMPER		AB	00043	HM	Y	N	.32.18	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-007												
	NVC-42	583			AMCA-500-75												
3HVR*DMP8	DAMPER		AB	00043	HM	Y	N	.32.18	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-007												
	NVC-42	583			AMCA-500-75												
3HVR*DMP9	DAMPER		AB	00043	HM	Y	N	.32.18	S	NA	NA		33+	NA	NA	A	Y
		90267-303			NS(B)-007												
	NVC-42	583			AMCA-500-75												

AOD - DAMPER,AIR OPERATED

3HVR*AOD174A	CNTMNT PRG HTG&VT UNIT INL DM		AB		CW	Y	N	.56.20	N	SF	SD		35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B												
	AHV-7402	594			IEEE-323,344,382												
	NAMCO LIMIT SWITCH	EA740															
3HVR*AOD174B	CNTMNT PRG HTG&VT UNIT INL DM		AB		CW	Y	N	.56.20	N	SF	SD		35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B												
	AHV-7402	594			IEEE-323,344,382												
	NAMCO LIMIT SWITCH	EA740															
3HVR*AOD198A	MCC, ROD CONT & CBL VLT EXH		AB		CW	Y	N	.56.20	N	SF	SD		35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B												
	AHV-7402	594			IEEE-323,344,382												
	NAMCO LIMIT SWITCH	EA740															
3HVR*AOD198B	MCC, ROD CONT & CBL VLT EXH		AB		CW	Y	N	.56.20	N	SF	SD		35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B												
	AHV-7402	594			IEEE-323,344,382												
	NAMCO LIMIT SWITCH	EA740															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVR*AOD199A	MCC, ROD CONT & CBL VLT EXH		AB		CW	Y	N	.56.20	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*AOD199B	MCC, ROD CONT & CBL VLT EXH		AB		CW	Y	N	.56.20	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*AOD20A	AUX BLDG FLT IN DMPR		AB	00066	CW	Y	N	.56.20	N	SF	SD	35+	29	29	A	Y
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*AOD20B	AUX BLDG FLT IN DMPR		AB	00066	CW	Y	N	.56.20	N	SF	SD	35+	29	29	A	Y
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*AOD29A	CNTMNT VENT TO AUX BLDG FLT		AB	00066	CW	Y	N	.56.20	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*AOD29B	CNTMNT VENT TO AUX BLDG FLT		AB	00066	CW	Y	N	.56.20	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*AOD32A	CNTMNT VENT NORM OUTL		AB		CW	Y	N	.56.20	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	HTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3HVR*AOD32B	CNTMNT VENT NORM OUTL		AB		CW	Y	N	.56.20	N	SF	SD		35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B												
	AWV-7402	594			IEEE-323,344,382												
	NAMCO LIMIT SWITCH	EA740															
3HVR*AOD33A	AUX BLD HTG&VNT UNIT	INL DMPR	AB	00066	CW	Y	N	.56.20	N	SF	SD		35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B												
	AWV-7402	594			IEEE-323,344,382												
	NAMCO LIMIT SWITCH	EA740															
3HVR*AOD33B	AUX BLD HTG&VNT UNIT	INL DMPR	AB	00066	CW	Y	N	.56.20	N	SF	SD		35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B												
	AWV-7402	594			IEEE-323,344,382												
	NAMCO LIMIT SWITCH	EA740															
3HVR*AOD35A	AUX BLD HTG&VNT UNIT	INL DMPR	AB	00066	CW	Y	N	.56.20	N	SF	SD		35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B												
	AWV-7402	594			IEEE-323,344,382												
	NAMCO LIMIT SWITCH	EA740															
3HVR*AOD35B	AUX BLD HTG&VNT UNIT	INL DMPR	AB	00066	CW	Y	N	.56.20	N	SF	SD		35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B												
	AWV-7402	594			IEEE-323,344,382												
	NAMCO LIMIT SWITCH	EA740															
3HVR*AOD39A	AUX BLD EXH FN TO ATM	ISL DMP	AB	00066	CW	Y	N	.56.20	N	SF	SD		35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B												
	AWV-7402	594			IEEE-323,344,382												
	NAMCO LIMIT SWITCH	EA740															
3HVR*AOD39B	AUX BLD EXH FN TO ATM	ISL DMP	AB	00066	CW	Y	N	.56.20	N	SF	SD		35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B												
	AWV-7402	594			IEEE-323,344,382												
	NAMCO LIMIT SWITCH	EA740															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVR*AOD40A	AUX BLD EXH FN TO ATM ISL DMP		AB	00066	CW	Y	N	.56.20	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*AOD40B	AUX BLD EXH FN TO ATM ISL DMP		AB	00066	CW	Y	N	.56.20	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*AOD42A	AUX BLDG EXH FAN DISH TO FLT		AB	00066	CW	Y	N	.41.18	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*AOD42B	AUX BLDG EXH FAN DISH TO FLT		AB	00066	CW	Y	N	.41.18	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*AOD43A	AUX BLDG EXH FAN DISH TO FLT		AB	00066	CW	Y	N	.56.20	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*AOD43B	AUX BLDG EXH FAN DISH TO FLT		AB	00066	CW	Y	N	.56.20	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*AOD44A	CHG PMP CUB NORM OUTL DMPR		AB	00066	CW	Y	N	.56.20	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	TEST FREQ	TEST DIR	F/B	S/S	VERT	STATUS SQ	INS
3HVR*AOD44B	CHG PMP CUB NORH OUTL DMPR		AB	00066	CW	Y	N	.56.20	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*AOD46A	CHG PMP CUB TO AUX BLDG FLT		AB		CW	Y	N	.41.18	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*AOD46B	CHG PMP CUB TO AUX BLDG FLT		AB		CW	Y	N	.41.18	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*AOD55A	CNTMT PRG HTG&VNT UNT INL DMP		AB	00066	CW	Y	N	.41.18	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*AOD55B	CNTMT PRG HTG&VNT UNT INL DMP		AB	00066	CW	Y	N	.41.18	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*AOD65A	WST BLDG TO AUX BLDG FLT		AB	00066	CW	Y	N	.56.20	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*AOD65B	WST BLDG TO AUX BLDG FLT		AB	00066	CW	Y	N	.56.20	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														

REPORT NO. HSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVR*AOD66A	WST DSPSL BLDG VENT TO ATM		AB	00066	CW	Y	N	.56.20	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*AOD66B	WST DSPSL BLDG VENT TO ATM		AB	00066	CW	Y	N	.56.20	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*AOD80A	FUEL BLDG FLT INL DMPR		AB	00066	CW	Y	N	.56.20	N	SF	SD	35+	29	29	A	Y
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*AOD80B	FUEL BLDG FLT INL DMPR		AB	00066	CW	Y	N	.56.20	N	SF	SD	35+	29	29	A	Y
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*AOD81A	FUEL BLDG FLT BYPASS DMPR		AB		CW	Y	N	.56.20	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	[illegible]			IEEE-323,344,382											
	NAMCO LIMIT [illegible]NIT															
3HVR*AOD81B	FUEL BLDG FLT b[illegible]		AB		CW	Y	N	.56.20	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	[illegible] 1			NS(B)-007 REV 0B											
	AWV-7402				IEEE-323,344,382											
	NAMCO LIMIT SWITCH															
3HVR*AOD85	PP TUN AREA EXH FAN DISCH DMP		AB	00066	CW	Y	N	.41.18	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	LOADS	ANLYS	QUAL METH TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3HVR*AOD86	PIPE TUN AREA EXH FAN INL DMP		AB	00066	CW	Y	N	.56.20	N		SF	SD		35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B													
	AWV-7402	594			IEEE-323,344,382													
	NAMCO LIMIT SWITCH	EA740																
3HVR*AOD95A	SUPP LK SYS FLT INL DMPR		AB	00066	CW	Y	N	.56.20	N		SF	SD		35+	29	29	A	Y
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B													
	AWV-7402	594			IEEE-323,344,382													
	NAMCO LIMIT SWITCH	EA740																
3HVR*AOD95B	SUPP LK SYS FLT INL DMPR		AB	00066	CW	Y	N	.56.20	N		SF	SD		35+	29	29	A	Y
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B													
	AWV-7402	594			IEEE-323,344,382													
	NAMCO LIMIT SWITCH	EA740																

MOD - DAMPER,MOTOR OPERATED

3HVR*MOD28A	AUX BLDG FLT EXH FN DISC DMPR		AB	00086	CW	Y	N	.56.20	N		SF	SD		35+	29	29	A	Y
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B													
	AWV-7402	594			IEEE-323,344,382													
	NAMCO LIMIT SWITCH	EA740																
3HVR*MOD28B	AUX BLDG FLT EXH FN DISC DMPR		AB	00073	CW	Y	N	.56.20	N		SF	SD		35+	29	29	A	Y
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B													
	AWV-7402	594			IEEE-323,344,382													
	NAMCO LIMIT SWITCH	EA740																
3HVR*MOD45B1	CHG PMP CUB TEMP CONT		AB		CW	Y	N	.56.20	N		SF	SD		35+	29	29	A	Y
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B													
	AWV-7402	594			IEEE-323,344,382													
	NAMCO LIMIT SWITCH	EA740																
3HVR*MOD45B2	CHG PMP CUB TEMP CONT		AB		CW	Y	N	.56.20	N		SF	SD		35+	29	29	A	Y
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B													
	AWV-7402	594			IEEE-323,344,382													
	NAMCO LIMIT SWITCH	EA740																

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PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3HVR*MOD45C1	CHG PMP CUB TEMP CONT		AB		CW	Y	N	.56.20	N	SF	SD	35+	29	29	A	Y
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*MOD45C2	CHG PMP CUB TEMP CONT		AB		CW	Y	N	.5[illegible].20	[illegible]	SF	SD	35+	29	29	A	Y
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*MOD49A	CHG PMP CUB OUTL DMPR		AB	00066	CW	Y	N	.41.18	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-[illegible]			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*MOD49B	CHG PMP CUB OUTL DMPR		AB	00066	CW	Y	N	.41.18	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*MOD49C1	CHG PMP CUB OUTL DMPR		AB	00066	CW	Y	N	.41.18	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*MOD49C2	CHG PMP CUB OUTL DMPR		AB	00066	CW	Y	N	.41.18	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVR*MOD50A	CHG PMP CUB INL DMPR		AB	00066	CW	Y	N	.41.18	N	SF	SD	35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B											
	AWV-7402	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVR*MOD50B	CHG PMP CUB INL DMPR		AB	00066	CH	Y	N	.41.18	N	SF	SD		35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B												
	AHV-7402	594			IEEE-323,344,382												
	NAMCO LIMIT SWITCH	EA740															
3HVR*MOD50C1	CHG PMP CUB INL DMPR		AB	00066	CH	Y	N	.41.18	N	SF	SD		35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B												
	AHV-7402	594			IEEE-323,344,382												
	NAMCO LIMIT SWITCH	EA740															
3HVR*MOD50C2	CHG PMP CUB INL DMPR		AB	00066	CH	Y	N	.41.18	N	SF	SD		35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-007 REV 0B												
	AHV-7402	594			IEEE-323,344,382												
	NAMCO LIMIT SWITCH	EA740															
3HVR*MOD72A	FUEL BLDG FLT EXH FAN OUT		AB	00066	CH	Y	N	.55.15	N	SF	SD		35+	29	29	A	Y
	AMERICAN WARMING	80271-301			12179-NS(B)-069												
	AHV-7402	594			IEEE 344,323,382												
	NAMCO LIMIT SWITCH	EA740															
3HVR*MOD72B	FUEL BLDG FLT EXH FAN OUT		AB	00066	CH	Y	N	.55.15	N	SF	SD		35+	29	29	A	Y
	AMERICAN WARMING	80271-301			12179-NS(B)-007												
	AHV-7402	594			IEEE 344,323,382												
	NAMCO LIMIT SWITCH	EA740															

SOV - VALVE,SOLENOID

3HVR*SOV174A	CNTMNT PRG HTG&VT UNIT INL DM		AB	00066	DM	Y	N	.56.20	N	SF	SD		*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B												
	NPK8320A182E	594			IEEE-323,344,382,627												
	ASCO SOLENOID	NPK8320E															
3HVR*SOV174B	CNTMNT PRG HTG&VT UNIT INL DM		AB	00066	DM	Y	N	.56.20	N	SF	SD		*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B												
	NPK8320A182E	594			IEEE-323,344,382,627												
	ASCO SOLENOID	NPK8320E															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	SEIS DYN.	OTHER	REQ'D INPUT (ZPA)	ANLYS	TEST FREQ	TEST DIR	F/B	S/S	VERT	STATUS SQ	INS
3HVR*SOV198A	MCC, ROD CONT & CBL VLT EXH		AB		DM	Y	N	.56.20	N	SF	SD	*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B											
	NPK8320A182E	594			IEEE-323,344,382,627											
	ASCO SOLENOID	NPK8320E														
3HVR*SOV198B	MCC, ROD CONT & CBL VLT EXH		AB		DM	Y	N	.56.20	N	SF	SD	*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B											
	NPK8320A182E	594			IEEE-323,344,382,627											
	ASCO SOLENOID	NPK8320E														
3HVR*SOV199A	MCC, ROD CONT & CBL VLT EXH		AB		DM	Y	N	.56.20	N	SF	SD	*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B											
	NPK8320A182E	594			IEEE-323,344,382,627											
	ASCO SOLENOID	NPK8320E														
3HVR*SOV199B	MCC, ROD CONT & CBL VLT EXH		AB		DM	Y	N	.56.20	N	SF	SD	*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B											
	NPK8320A182E	594			IEEE-323,344,382,627											
	ASCO SOLENOID	NPK8320E														
3HVR*SOV20A	AUX BLDG FLT IN DMPR		AB	00084	DM	Y	N	.56.20	N	SF	SD	*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B											
	NPK8320A182E	594			IEEE-323,344,382,627											
	ASCO SOLENOID	NPK8320E														
3HVR*SOV20B	AUX BLDG FLT IN DMPR		AB	00070	DM	Y	N	.56.20	N	SF	SD	*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B											
	NPK8320A182E	594			IEEE-323,344,382,627											
	ASCO SOLENOID	NPK8320E														
3HVR*SOV29A	CNTMNT VENT TO AUX BLDG FLT		AB	00082	DM	Y	N	.56.20	N	SF	SD	*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B											
	NPK8320A182E	594			IEEE-323,344,382,627											
	ASCO SOLENOID	NPK8320E														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS / DYN.	OTHER	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVR*SOV29B	CNTMNT VENT TO AUX BLDG FLT		AB	00082	DM	Y	N	.56.20	N	SF	SD	*	35+			A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B												
	NPK8320A182E	594			IEEE-323,344,382,627												
	ASCO SOLENOID	NPK8320E															
3HVR*SOV32A	CNTNMT VENT NORM OUTLET		AB	00084	DM	Y	N	.56.20	N	SF	SD	*	35+			A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B												
	NPK8320A182E	594			IEEE-323,344,382,627												
	ASCO SOLENOID	NPK8320E															
3HVR*SOV32B	CNTNMT VENT NORM OUTLET		AB	00085	DM	Y	N	.56.20	N	SF	SD	*	35+			A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B												
	NPK8320A182E	594			IEEE-323,344,382,627												
	ASCO SOLENOID	NPK8320E															
3HVR*SOV33A	AUX BLDG HTG&VENT UNIT INL DM		AB	00089	DM	Y	N	.56.20	N	SF	SD	*	35+			A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B												
	NPK8320A182E	594			IEEE-323,344,382,627												
	ASCO SOLENOID	NPK8320E															
3HVR*SOV33B	AUX BLDG HTG&VENT UNIT INL DM		AB	00089	DM	Y	N	.56.20	N	SF	SD	*	35+			A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B												
	NPK8320A182E	594			IEEE-323,344,382,627												
	ASCO SOLENOID	NPK8320E															
3HVR*SOV35A	AUX BLDG HTG & VENT UNIT OUT		AB	00090	DM	Y	N	.56.20	N	SF	SD	*	35+			A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B												
	NPK8320A182E	594			IEEE-323,344,382,627												
	ASCO SOLENOID	NPK8320E															
3HVR*SOV35B	AUX BLDG HTG & VENT UNIT OUT		AB	00 0	DM	Y	N	.56.20	N	SF	SD	*	35+			A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B												
	NPK8320A182E	594			IEEE-323,344,382,627												
	ASCO SOLENOID	NPK8320E															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFFTY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3HVR*SOV39A	AUX BLD EXH FN TO ATM ISL DMP AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR-67638 594 NPK8320E	AB	00088	DM NS(B)-007 REV 0B IEEE-323,344,382,627	Y	N	.56.20	N	SF	SD	*	35+		A	
3HVR*SOV39B	AUX BLD EXH FN TO ATM ISL DMP AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR-67638 594 NPK8320E	AB	00089	DM NS(B)-007 REV 0B IEEE-323,344,382,627	Y	N	.56.20	N	SF	SD	*	35+		A	
3HVR*SOV40A	AUX BLD EXH FN TO ATM ISL DMP AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR-67638 594 NPK8320E	AB	00082	DM NS(B)-007 REV 0B IEEE-323,344,382,627	Y	N	.56.20	N	SF	SD	*	35+		A	
3HVR*SOV40B	AUX BLD EXH FN TO ATM ISL DMP AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR-67638 594 NPK8320E	AB	00081	DM NS(B)-007 REV 0B IEEE-323,344,382,627	Y	N	.56.20	N	SF	SD	*	35+		A	
3HVR*SOV42A	AUX BLDG EXH FAN DSH TO FLTR AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR-67638 594 NPK8320E	AB	00066	DM NS(B)-007 REV 0B IEEE-323,344,382,627	Y	N	.41.18	N	SF	SD	*	35+		A	
3HVR*SOV42B	AUX BLDG EXH FAN DSH TO FLTR AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR-67638 594 NPK8320E	AB	00066	DM NS(B)-007 REV 0B IEEE-323,344,382,627	Y	N	.41.18	N	SF	SD	*	35+		A	
3HVR*SOV43A	AUX BLDG EXH FAN DSH TO FLTR AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR-67638 594 NPK8320E	AB	00087	DM NS(B)-007 REV 0B IEEE-323,344,382,627	Y	N	.56.20	N	SF	SD	*	35+		A	

REPORT NO. NSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS DYN.	OTHER REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3HVR*SOV43B	AUX BLDG EXH FAN DSH TO FLTR		AB	00087	DM	Y	N .56.20	N	SF	SD	*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B										
	NPK8320A182E	594			IEEE-323,344,382,627										
	ASCO SOLENOID	NPK8320E													
3HVR*SOV44A	CHG PMP CUB NORM OUTL DMPR		AB	00074	DM	Y	N .56.20	N	SF	SD	*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B										
	NPK8320A182E	594			IEEE-323,344,382,627										
	ASCO SOLENOID	NPK8320E													
3HVR*SOV44B	CHG PMP CUB NORM OUTL DMPR		AB	00075	DM	Y	N .56.20	N	SF	SD	*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B										
	NPK8320A182E	594			IEEE-323,344,382,627										
	ASCO SOLENOID	NPK8320E													
3HVR*SOV46A	CHG PMP CUB TO AUX BLDG FLT		AB	00066	DM	Y	N .41.18	N	SF	SD	*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B										
	NPK8320A182E	594			IEEE-323,344,382,627										
	ASCO SOLENOID	NPK8320E													
3HVR*SOV46B	CHG PMP CUB TO AUX BLDG FLT		AB	00066	DM	Y	N .41.18	N	SF	SD	*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B										
	NPK8320A182E	594			IEEE-323,344,382,627										
	ASCO SOLENOID	NPK8320E													
3HVR*SOV55A	CNTMNT PRG HTG&VNT UNT INL DM		AB	00066	DM	Y	N .41.18	N	SF	SD	*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B										
	NPK8320A182E	594			IEEE-323,344,382,627										
	ASCO SOLENOID	NPK8320E													
3HVR*SOV55B	CNTMNT PRG HTG&VNT UNT INL DM		AB	00066	DM	Y	N .41.18	N	SF	SD	*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B										
	NPK8320A182E	594			IEEE-323,344,382,627										
	ASCO SOLENOID	NPK8320E													

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVR*SOV65A	HST BLDG TO AUX BLDG FLTR AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR-67638 594 NPK8320E	AB	00087	DM NS(B)-007 REV 0B IEEE-323,344,382,627	Y	N	.56.20	N	SF	SD	*	35+		A	
3HVR*SOV65B	HST BLDG TO AUX BLDG FLTR AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR-67638 594 NPK8320E	AB	00087	DM NS(B)-007 REV 0B IEEE-323,344,382,627	Y	N	.56.20	N	SF	SD	*	35+		A	
3HVR*SOV66A	HST DSPSL BLDG VENT TO ATM AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR-67638 594 NPK8320E	AB	00087	DM NS(B)-070 REV 0B IEEE-323,344,382,627	Y	N	.56.20	N	SF	SD	*	35+		A	Y
3HVR*SOV66B	HST DSPSL BLDG VENT TO ATM AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR-67638 594 NPK8320E	AB	00088	DM NS(B)-070 REV 0B IEEE-323,344,382,627	Y	N	.56.20	N	SF	SD	*	35+		A	
3HVR*SOV80A	FUEL BLDG FLT INL DMPR AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR-67638 594 NPK8320E	AB	00085	DM NS(B)-007 REV 0B IEEE-323,344,382,627	Y	N	.56.20	N	SF	SD	*	35+		A	
3HVR*SOV80B	FUEL BLDG FLT INL DMPR NPK8320A182E	 AQR-67638 594	AB	00080	DM NS(B)-007 REV 0B IEEE-323,344,382,627	Y	N	.56.20	N	SF	SD	*	35+		A	
3HVR*SOV81A	FUEL BLDG FLTR BYP DMPR AMERICAN WARMING NPK8320A182E ASCO SOLENOID	 AQR-67638 594 NPK8320E	AB	00090	DM NS(B)-007 REV 0B IEEE-323,344,382,627	Y	N	.56.20	N	SF	SD	*	35+		A	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RFS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	TEST FREQ	TEST DIR	F/B	S/S	VERT	STATUS: SQ	INS
3HVR*SOV81B	FUEL BLDG FLTR BYP DMPR		AB	00090	DM	Y	N	.56.20	N	SF	SD	*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B											
	NPK8320A182E	594			IEEE-323,344,382,627											
	ASCO SOLENOID	NPK8320E														
3HVR*SOV85	PIPE TUNNEL INLET DAMPER		AB	00066	DM	Y	N	.41.18	N	SF	SD	*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B											
	NPK8320A182E	594			IEEE-323,344,382,627											
	ASCO SOLENOID	NPK8320E														
3HVR*SOV86	PIPE TUN AREA EXH FAN INL DMP		AB	00090	DM	Y	N	.56.20	N	SF	SD	*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B											
	NPK8320A182E	594			IEEE-323,344,382,627											
	ASCO SOLENOID	NPK8320E														
3HVR*SOV95A	SUPP LEAK SYS FLTR INL DMPR		AB	00084	DM	Y	N	.56.20	N	SF	SD	*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B											
	NPK8320A184E	594			IEEE-323,344,382,627											
	ASCO SOLENOID	NPK8320E														
3HVR*SOV95B	SUPP LEAK SYS FLTR INL DMPR		AB	00080	DM	Y	N	.56.20	N	SF	SD	*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-007 REV 0B											
	NPK8320A184E	594			IEEE-323,344,382,627											
	ASCO SOLENOID	NPK8320E														
FE - FLOW ELEMENT																
3HVR*FE10A	HI RANGE RAD MON		AB		CM	Y	N	.41.18	N	MF	MD	14.5	14.0	14.0	A	
		16435			NS(B)-007 REV 0B											
	KMG-HRH	624			IEEE-323,344											
RE - RADIOACTIVITY ELEMENT, PRIMARY																

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVR*RE10A	VENTILATION VENT GAS		AB	00066	CF	Y	N	.41.18							28.0	B	Y
	KAMAN SCIENCES	K-84-50/16435			NS(B)-007 REV 0B												
	KMG-HRH(450761-012)	624			IEEE-323,344												
	KAMAN	KMG-HR															
3HVR*RE10B	VENTILATION VENT PART		AB	00066	CF	Y	N	.41.18					NA			B	Y
	KAMAN SCIENCES	K-84-50/16683			NS(B)-007 REV 0B												
	KMG-HRN(450758-010)	624			IEEE-323,344												
	KAMAN	KMG-HR															
3HVR*RE19A	SLCRS PARTICULATE		AB	00066	CF	Y	N	.41.18							28.0	B	Y
	KAMAN SCIENCES	K-84-50/16435			NS(B)-007 REV 0B												
	KMG-HRH(450761-012)	624			IEEE-323,344												
	KAMAN	KMG-HR															
3HVR*RE19A1	SLCRS PARTICULATE/GAS		AB	00088	CM	Y	N	.41.18	N		MF	MD	14.5	14.0	14.0	A	
	KSC	16435			NS(B)-007 REV 0B												
	KMG-HRH	624			IEEE-323,344												
3HVR*RE19A2	HI RANGE RAD MON		AB	00066	CM	Y	N	.41.18	N		MF	MD	14.5	14.0	14.0	A	
		16435			NS(B)-007 REV 0B												
	KMG-HRH	624			IEEE-323,344												
3HVR*RE19A3	PRIMARY RADIOACTIVITY ELEMENT		AB	00066	CM	Y	N	.41.18	N		MF	MD	14.5	14.0	14.0	A	
		16435			NS(B)-007 REV 0B												
	KMG-HRH	624			IEEE-323,344												
3HVR*RE19A4	HI RANGE RAD MON		AB	00066	CM	Y	N	.41.18	N		MF	MD	14.5	14.0	14.0	A	
		16435			NS(B)-007 REV 0B												
	KMG-HRH	624			IEEE-323,344												

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UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

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SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS / DYN.	OTHER REQ'D / INPUT (ZPA)	LOADS: ANLYS	QUAL METH: TEST	TEST FREQ	DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVR*RE19B	SLCRS GAS KAMAN SCIENCES KMG-HRH(450758-010) KAMAN	K-84-50/16683 624 KMG-HR	AB	00066	CF NS(B)-007 REV 0B IEEE-323,344	Y	N .41.18					NA			B	Y
RIY - RADIATION INDICATING RELAY																
3HVR*RIY10A	MICROPROCESSOR KAMAN SCIENCES KEM-P(4501615-006) KAMAN	K-84-50/16435-A 624	AB		CW NS(B)-007,REV 0B IEEE 323,344	Y	N .56.20	N	MF	MD		19.3	25.0	19.3	A	Y
3HVR*RIY10B	MICROPROCESSOR KAMAN SCIENCES KEM-P(450616-005) KAMAN	K-84-50/16435-A 624			CW NS(B)-007,REV 0B IEEE 323,344	Y	N .56.20	N	MF	MD		19.3	25.0	19.3	A	Y
3HVR*RIY19A	MICROPROCESSOR KAMAN SCIENCES KEM-P(450615-006)	K-84-50/16435-A 624	AB		CW NS(B)-007,REV 0B IEEE 323,344	Y	N .56.20	N	MF	MD		19.3	25.0	19.3	A	Y
3HVR*RIY19B	MICROPROCESSOR KAMAN SCIENCES KEM-P(450616-005) KAMAN	K-84-50/16435-A 624			CW NS(B)-007,REV 0B IEEE 323,344	Y	N .56.20	N	MF	MD		19.3	25.0	19.3	A	Y
PS - SWITCH,PRESSURE																
3HVR*PS182A	AUX BLDG DUCT LO PRESS TRIP AUTOMATIC SWITCH CO SB31AKR/TA31A12R ASCO PRESSURE SWITCH	626 SB21AKR/TE20A32BRX	AB	00066	RM NS(B)-007-REV 0B IEEE 323-1974&IEEE344-1975	Y	N .56.20								D	Y

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SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HVR*PS182B	AUX BLDG DUCT LO PRESS TRIP		AB	00066	RM	Y	N	.41.18	S	NA	NA	33+	NA	NA	D	Y
	AUTOMATIC SWITCH CO	90267-1			NS(B)-007-REV 0B											
	SB31AKR/TA31A12R	626			IEEE 323-1974&IEEE 344-1975											
	ASCO PRESSURE SWITCH	SB21AKR/TE20A32BRX														
TS - SWITCH,TEMPERATURE																
3HVR*TS183A	MCC AREA TEMP CONT		AB	00066	CW	Y	N	.32.18	N	SF	SD	35+	35+	35+	A	Y
	ASCO	AQR-020184 R.O			NS(B)-007 REV 0B											
	SC11AR/QF10A4R	626			IEEE 323-1974&IEEE 344-1975											
	TEMP SWITCH	SC11AR/QF10A4R														
3HVR*TS183B	MCC AREA TEMP CONT		AB	00066	CW	Y	N	.32.18	N	SF	SD	35+	35+	35+	A	Y
	ASCO	AQR-020184 R.O			NS(B)-007 REV 0B											
	SC11AR/QF10A4R	626			IEEE 323-1974&IEEE 344-1975											
	TEMP SWITCH	SC11AR/QF10A4R														
ACU - AIR CONDITIONING UNIT																
3HVR*ACU1A	ACU-MCC/ROD CONT/VLT/TNL		AB	00066	F	Y	N	.41.18	SD	NA	NA	31.8	18.9	30.9	A	Y
	BAHNSON	A-392-81			NS(B)-007 REV.0B											
	C.P.26C-CW	648			ASME III,CL3											
	WESTINGHOUSE	50 H.P.														
3HVR*ACU1B	ACU-MCC/ROD CONT/VLT/TNL		AB	00066	F	Y	N	.41.18	SD	NA	NA	31.8	18.9	30.9	A	Y
	BAHNSON	A-392-81			NS(B)-007 REV.0B											
	C.P.26C-CW	648			ASME III,CL3											
	WESTINGHOUSE	50 H.P.														
DMP - DAMPER																
3HVR*DMP53	DAMPER		AB	00024	CF	Y	N	.56.20	S	NA	NA	66.9	35.3	158.0	A	Y
		DD-5771-2S,REV.A			NS(B)-007,REV.0B											
		668			NA											

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SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVR*DMP54	DAMPER	DD-5771-2S,REV.A 668	AB	00066	CW NS(B)-007,REV.0B NA	Y	N	.56.20	S	NA	NA		66.9	35.3	158.0	A	Y
3HVR*DMP60	VOLUME DAMPER	DD-5771-2S,REV.A 668	HR	00024	CW NS(B)-007,REV.0B NA	Y	N	.56.20	S	NA	NA		66.9	35.3	158.0	A	Y
3HVR*DMP70	DAMPER	DD-5771-2S,REV.A 668	FB	00052	NS(B)-074,REV.1B NA	Y	N	.48.18	S	NA	NA		66.9	35.3	158.0	A	Y
3HVR*DMP71	DAMPER	DD-5771-2S,REV.A 668	FB	00024	NS(B)-074,REV.1B NA	Y	N	.48.18	S	NA	NA		66.9	35.3	158.0	A	Y
3HVR*DMP72	DAMPER	DD-5771-2S,REV.A 668	FB	00052	NS(B)-074,REV.1B NA	Y	N	.48.18	S	NA	NA		66.9	35.3	158.0	A	Y
3HVR*DMP73	DAMPER	DD-5771-2S,REV.A 668	FB	00024	NS(B)-074,REV.1B NA	Y	N	.48.18	S	NA	NA		66.9	35.3	158.0	A	Y
3HVR*DMP74	DAMPER	DD-5771-2S,REV.A 668	FB	00024	NS(B)-074,REV.1B NA	Y	N	.48.18	S	NA	NA		66.9	35.3	158.0	A	Y

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EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVR*DMP75	VOLUME DAMPER	DD-5771-2S,REV.A 668	FB	00024	CW NS(B)-074,REV.1B NA	Y	N	.48.18	S	NA	NA	66.9	35.3	158.0	A	Y
3HVR*DMP80	DAMPER	DD-5771-2S,REV.A 668	ESB	00043	NS(B)-010,REV.0B NA	Y	N	.40.14	S	NA	NA	66.9	35.3	158.0	A	Y
TE - TEMPERATURE ELEMENT, PRIMARY																
3HVR*TE45A	CHG PMP CBCL TEMP CONT WEED INSTRUMENT CO 0358-00125-021 WEED RTD	3035-00125-14 683 611	AB	00066	DM NS(B)-007,REV 0B IEEE 323,344	Y	N	.56.20	N	MF	MD		33+		A	Y
3HVR*TE45B	CHG PMP CUB TEMP CONT WEED INSTRUMENT CO 0358-00125-021 WEED RTD	3035-00125-14 683 611	AB	00066	DM NS(B)-007,REV 0B IEEE 323,344	Y	N	.56.20	N	MF	MD		33+		A	Y
FS - SWITCH,FLOW																
3HVR*FS202A	ACU 1A&B FLOW FLUID COMPONENTS FR72-4R FLOW SWITCH	708126 REV.3 686 FR72-4R	AB	00066	EM NA REG.189 AND IEEE-344,1975	Y	N	.75G	NA	SF	MD		33+		A	
3HVR*FS202B	ACU 1A&B FLOW FLUID COMPONENTS FR72-4R FLOW SWITCH	708126 REV.3 686 FR72-4R	AB	00066	EM REG.189 AND IEEE-344,1975	Y	N	.75G	NA	SF	MD		33+		A	

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EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG / RRS REF / CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3HVR*FS27A	AUX BLDG FLT EXH FAN DISCH FLUID COMPONENTS FR72-4R FLOW SWITCH	708126 REV.3 686 FR72-4R	AB	00067	EM NA REG.189 AND IEEE-344,1975	Y	N	.75G	NA	SF	MD		33+		A	
3HVR*FS27B	AUX BLDG FLT EXH FAN DISCH FLUID COMPONENTS FR72-4R FLOW SWITCH	708126 REV.3 686 FR72-4R	AB	00067	EM NA REG.189 AND IEEE-344,1975	Y	N	.75G	NA	SF	MD		33+		A	
3HVR*FS52A	FN 14A & B LOW FLOW SENSING FLUID COMPONENTS FR72-4R FLOW SWITCH	708126 REV.3 686 FR72-4R	AB	00067	EM NA REG.189 AND IEEE-344,1975	Y	N	.75G	NA	SF	MD		33+		A	
3HVR*FS52B	FN 14A & B LOW FLOW SENSING FLUID COMPONENTS FR72-4R FLOW SWITCH	708126 REV.3 686 FR72-4R	AB	00067	EM NA REG.189 AND IEEE-344,1975	Y	N	.75G	NA	SF	MD		33+		A	
3HVR*FS73A	FUEL BLDG FLT EXH FAN OUT FLUID COMPONENTS FR72-4R FLOW SWITCH	708126 REV.3 686 FR72-4R	AB	00067	EM NA REG.189 AND IEEE-344,1975	Y	N	.75G	NA	SF	MD		33+		A	
3HVR*FS73B	FUEL BLDG FLT EXH FAN OUT FLUID COMPONENTS FR72-4R FLOW SWITCH	708126 REV.3 686 FR72-4R	AB	00067	EM NA REG.189 AND IEEE-344,1975	Y	N	.75G	NA	SF	MD		33+		A	
3HVR*FS88A	SUPP LK FLT EXH FAN OUT FLUID COMPONENTS FR72-4R FLOW SWITCH	708126 REV.3 686 FR72-4R	AB	00066	EM NA REG.189 AND IEEE-344,1975	Y	N	.75G	NA	SF	MD		33+		A	

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SYSTEM HVR - VENTILATION - REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	LOADS: ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVR*FS88B	SUPP LK FLT EXH FAN OUT		AB	00067	EM	Y	N	.75G	NA	SF	MD			33+		A	
	FLUID COMPONENTS	708126 REV.3			NA												
	FR72-4R	686			REG.189 AND IEEE-344,1975												
	FLOW SWITCH	FR72-4R															
3HVR*FS98A	CHG PMP CUB EXH		AB	00067	EM	Y	N	.75G	NA	SF	MD			33+		A	
	FLUID COMPONENTS	708126 REV.3			NA												
	FR72-4R	686			REG 198 AND IEEE-344,1975												
	FLOW SWITCH	FR72-4R															
3HVR*FS98B	CHG PMP CUB EXH		AB	00067	EM	Y	N	.75G	NA	SF	MD			33+		A	
	FLUID COMPONENTS	708126 REV.3			NA												
	FR72-4R	686			REG.198 AND IEEE-344,1975												
	FLOW SWITCH	FR72-4R															

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SYSTEM HVS - HTG,VENTILATING,AIR COND. - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
CWEC EQUIPMENT																	
PNL - PANEL																	
3HVS*PNLVP1	MAIN VENT AND AIR COND PANEL		CB	00047	CF	Y	N	.40.15	S	NA	NA		25+	25+	25+	A	Y
	SYSTEMS CONTROL	15829,REV 0			NS(B)-017 REV 1B												
	3HVS*PNLVP1	246			IEEE 344												

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SYSTEM HVU - VENTILATION - CONTAINMENT STRUCTURE

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT																	
CTV - VALVE,CONTAINMENT,TRIP																	
3HVU*CTV32A	CTMT PURGE INL & OUT		AB	00070	DM	Y	N	3G	S	NA	NA			33+		A	
	HENRY PRATT	D-0054-3			NA												
	NRIA	339			ASME III,CL2												
	BETTIS																
3HVU*CTV32B	SLC INLET		AB	00070	DM	Y	N	3G	S	NA	NA			33+		A	
	HENRY PRATT	D-0054-3			NA												
	NRIA	339			ASME III,CL2												
	BETTIS																
3HVU*CTV33A	CTMT PURGE INL & OUT		CS	00070	DM	Y	N	3G	S	NA	NA			33+		A	
	HENRY PRATT	D-0054-3			NA												
	NRIA	339			ASME III,CL2												
	BETTIS																
3HVU*CTV33B	CTMT PURGE INL & OUT		CS	00070	DM	Y	N	3G	S	NA	NA			33+		A	
	HENRY PRATT	D-0054-3			NA												
	NRIA	339			ASME III,CL2												
	BETTIS																
SOV - VALVE,SOLENOID																	
3HVU*SOV32A	CTMT PURGE INL & OUT		AB		EM	Y	N	3G	N	SF	SD		*	35+		A	
		AQR-67638			NA												
		339			IEEE-323,344,382												

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SYSTEM HVU - VENTILATION - CONTAINMENT STRUCTURE

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER / DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVU*SOV32B	SLC INLET	AQR-67638 339	AB		EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD	*	35+		A	
3HVU*SOV33A	SLC INLET CTMT PURGE	INL&OUT AQR-67638 339	CS		EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD	*	35+		A	
3HVU*SOV33B	SLC INLET CTMT PURGE	INL&OUT AQR-67638 339	CS		EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD	*	35+		A	

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SYSTEM HVV - VENTILATION - MAIN STM VALVE BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG / RRS REF / CODES	ELEV	MTG	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	LOADS: ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT																	
FN - FAN																	
3HVV*FN1C	MSVB EXHAUST FANS BUFFALO FORGE 25A9 WESTINGHOUSE	 82325005-45 140 5 H.P.	MSV NS(B)-070-REV.0B AMCA STD/IEEE 323,344/NUREG-0558	00086	RM	Y	N	.50.16	S	NA	NA		33+	33+	33+	A	Y
3HVV*FN1D	MSVB EXHAUST FANS BUFFALO FORGE 25A9 WESTINGHOUSE	 82325005-45 140 5 H.P.	MSV NS(B)-070-REV.0B AMCA STD/IEEE 323,344/NUREG-0558	00086	RM	Y	N	.50.16	S	NA	NA		33+	33+	33+	A	Y
AOD - DAMPER,AIR OPERATED																	
3HVV*AOD50A	MAIN STEAM VLV BLDG INLET AMERICAN WARMING AWV-7402 NAMCO LIMIT SWITCH	 80271-301 594 EA740	MSV NS(B)-070 REV 0B IEEE-323,344,382	00092	CW	Y	N	.48.16	N	SF	SD		35+	29	29	A	
3HVV*AOD50B	MAIN STEAM VLV BLDG INLET AMERICAN WARMING AWV-7402 NAMCO LIMIT SWITCH	 80271-301 594 EA740	MSV NS(B)-070 REV 0B IEEE-323,344,382		CW	Y	N	.48.16	N	SF	SD		35+	29	29	A	
MOD - DAMPER,MOTOR OPERATED																	
3HVV*MOD50C	MSV BLDG OUTLET AMERICAN WARMING NPK8320A182E NAMCO LIMIT SWITCH	 80271-301 594 EA740	MSV NS(B)-070 REV 0B IEEE-323,344,382	00086	CW	Y	N	.48.16	N	SF	SD		35+	29	29	D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HVV - VENTILATION - MAIN STM VALVE BLDG

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3HVV*MOD50D	MSV BLDG OUTLET		MSV	00086	CW	Y	N	.48.16	N	SF	SD	35+	29	29	D	
	AMERICAN WARMING	80271-301			NS(B)-070 REV 0B											
	NPK8320A182E	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVV*MOD51A	MSV BLDG INLET		MSV		CW	Y	N	.25.13							D	
	AMERICAN WARMING				NS(B)-070 REV 0B											
	NPK8320A182E	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVV*MOD51B	MSV BLDG INLET		MSV		CW	Y	N	.25.13							D	
	AMERICAN WARMING				NS(B)-070 REV 0B											
	NPK8320A182E	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVV*MOD51C	MSV BLDG INLET		MSV	00027	CW	Y	N	.18.12							D	
	AMERICAN WARMING				NS(B)-070 REV 0B											
	NPK8320A182E	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
3HVV*MOD51D	MSV BLDG INLET		MSV	00024	CW	Y	N	.18.12							D	
	AMERICAN WARMING				NS(B)-070 REV 0B											
	NPK8320A182E	594			IEEE-323,344,382											
	NAMCO LIMIT SWITCH	EA740														
SOV - VALVE,SOLENOID																
3HVV*SOV50A	MAIN STEAM VLV BLDG INLET		MSV		DM	Y	N	.48.16	N	SF	SD	*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-070 REV 0B											
	NPK8320A182E	594			IEEE-323,344,382,627											
	ASCO SOLENOID	NPK8320E														
3HVV*SOV50B	MAIN STEAM VLV BLDG INLET		MSV		DM	Y	N	.48.16	N	SF	SD	*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-070 REV 0B											
	NPK8320A182E	594			IEEE-323,344,382,627											
	ASCO SOLENOID	NPK 8320E														

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PROJECT EQUIPMENT SYSTEM
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVV - VENTILATION - MAIN STM VALVE BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RMS REF CODES	LOADS: SEIS DYN.	LOADS: OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
TS - SWITCH,TEMPERATURE															
3HVV*TS53A	MSV BLDG INLET		MSV		CW	Y	N	.48.16	N	SF	SD	35+	35+	35+	A	Y
	ASCO	AQR-020184 R.O			NS(B)-070 REV 0B											
	SB11AKR/QF10A4R	626			IEEE 323-1974&IEEE 344-1975											
	TEMP SWITCH	SB11AKR/QF10A4R														
3HVV*TS53B	MSV BLDG INLET		MSV		CW	Y	N	.48.16	N	SF	SD	35+	35+	35+	A	Y
	ASCO	AQR-020184 R.O			NS(B)-070 REV 0B											
	SB11AKR/QF10A4R	626			IEEE 323-1974&IEEE 344-1975											
	TEMP SWITCH	SB11AKR/QF10A4R														

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PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVY - VENTILATION - YARD STRUCTURES

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	LOADS ANLYS	QUAL METH TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
SHEC EQUIPMENT																	
FN - FAN																	
3HVY*FN2A	C.S.W.P.EXHAUST FAN BUFFALO FORGE 33B7 WESTINGHOUSE	 82325005-45 140 15 H.P.	CSP	00032	CW NS(B)-044-REV.2B AMCA STD/IEEE 323,344/NUREG-0558	Y	N	.49.16	S	NA	NA		33+	33+	33+	A	Y
3HVY*FN2B	C.S.W.P.EXHAUST FAN BUFFALO FORGE 33B7 WESTINGHOUSE	 82325005-45 140 15 H.P.	CSP	00032	CW NS(B)-044-REV.2B AMCA STD/IEEE 323,344/NUREG-0558	Y	N	.49.16	S	NA	NA		33+	33+	33+	A	Y
SIL - SILENCER (INLET OR EXHAUST)																	
3HVY*SIL4A	SOUND ATTENUATOR IAC 3S-36X48	 A-392-81 142	CSP	00039	F NS(B)-044-REV 2B TECH.REQUIRENTS-EXHIBIT II,DTD 10/15/75	Y		.49.16	SD	NA	NA		31.8	18.9	30.9	D	Y
3HVY*SIL4B	SOUND ATTENUATOR IAC 3S-36X48	 142	CSP	00039	 NS(B)-044-REV 2B TECH.REQUIRENTS-EXHIBIT II,DTD 10/15/75	Y		.49.16								D	Y
3HVY*SIL5A	SOUND ATTENUATOR IAC 5L-48X48	 142	CSP	00039	 NS(B)-044-REV 2B TECH.REQUIRENTS-EXHIBIT II,DTD 10/15/75	Y		.49.16								D	Y

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UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HVY - VENTILATION - YARD STRUCTURES

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	SEIS DYN.	OTHER	REQ'D INPUT (ZPA)	LOADS: ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3HVY*SIL5B	SOUND ATTENUATOR		CSP	00039		Y		.49.16								D	Y
	IAC				NS(3)-044-REV 2B												
	5L-48X48	142			TECH.REQUIRENTS-EXHIBIT II,DTD 10/15/75												
DMP - DAMPER																	
3HVY*DMPB1A	BACKDRAFT DAMPER		CSP		HM	Y	N	.49.16	S	NA	NA		33+	NA	NA	A	Y
		90267-1			NS(B)-044												
	2230	583			AMCA-500-75												
3HVY*DMPB1B	BACKDRAFT DAMPER		CSP		HM	Y	N	.49.16	S	NA	NA		33+	NA	NA	A	Y
		90267-1			NS(B)-044												
	2230	583			AMCA-500-75												
AOD - DAMPER,AIR OPERATED																	
3HVY*AOD23A	SERVICE WTR PMPHOUSE	INL DMPR	CSP	00028	CW	Y	N	.48.16	N	SF	SD		35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-044 REV 2B												
	AWV-7402	594			IEEE-323,344,382												
	NAMCO LIMIT SWITCH	EA740															
3HVY*AOD23B	SERVICE WTR PMPHOUSE	INL DMPR	CSP	00028	CW	Y	N	.49.16	N	SF	SD		35+	29	29	A	
	AMERICAN WARMING	80271-301			NS(B)-044 REV 2B												
	AWV-7402	594			IEEE-323,344,382												
	NAMCO LIMIT SWITCH	EA740															
SOV - VALVE,SOLENOID																	
3HVY*SOV23A	SERVICE WTR PMPHOUSE	INL DMPR	CSP	00028	DM	Y	N	.49.16	N	SF	SD		*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-044 REV 2B												
	NPK8320A102E	594			IEEE-323,344,382,627												
	ASCO SOLENOID	NPK8320															

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PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVY - VENTILATION - YARD STRUCTURES

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	HTG RRS REF CODES	SEIS DYN.	OTHER LOADS	REQ'D INPUT (ZPA)	ANLYS	QUAL METH TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3HVY*SOV23B	SERVICE WTR PMPHOUSE	INL DMPR	CSP	00028	DM	Y	N	.49.16	N	SF	SD	*	35+		A	
	AMERICAN WARMING	AQR-67638			NS(B)-044 REV 2B											
	NPK8320A182E	594			IEEE-323,344,382,627											
	ASCO SOLENOID	NPK8320														
TS - SWITCH,TEMPERATURE																
3HVY*TS60A	* FN2A TEMP CONT		CSP		CM	Y	N	.49.16	N	SF	SD	35+	35+	35+	A	Y
	ASCO	AQR-020184 R.O			NS(B)-044 REV 2B											
	SA11AKR/QD10A4R	626			IEEE 323-1974&IEEE 344-1975											
	TEMP SWITCH	SA11AKR/QD10A4R														
3HVY*TS60B	SRVC WTR PMP HS TEMP		CSP	00015	CM	Y	N	.49.16	N	SF	SD	35+	35+	35+	A	Y
	ASCO	AQR-020184 R.O			NS(B)-044 REV 2B											
	SA11AKR/QD10A4R	626			IEEE 323-1974&IEEE 344-1975											
	TEMP SWITCH	SA11AKR/QD10A4R														

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PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HVZ - HTG,VENTILATING,AIR COND CONDENSING WATER - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS / DYN.	OTHER	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT																	
DMPF - DAMPER,FIRE																	
3HVZ*DMPF1	FIRE DAMPER	44453-1/0801			DM / 12179-NS(T)-077 / IEEE-344	Y	N	.23.13	N	MF	MD		NA	NA	NA	A	Y
3HVZ*DMPF2	FIRE DAMPER	44453-1/0801			DM / 12179-NS(T)-077 / IEEE-344	Y	N	.30.13	N	MF	MD		NA	NA	NA	A	Y
3HVZ*DMPF3	FIRE DAMPER	44453-1/0801			DM / 12179-NS(T)-077 / IEEE-344	Y	N	.23.13	N	MF	MD		NA	NA	NA	A	Y
MOD - DAMPER,MOTOR OPERATED																	
3HVZ*MOD20A	H2 RBNR AIR INTAKE / AMERICAN WARMING / AWV-7402 / NAMCO LIMIT SWITCH	AQR-67638 / 594 / EA740	HRB	35+	CW / NS(T)-077 REV 0B / IEEE-323,344,382	Y	N	.30.13								D	
3HVZ*MOD20B	H2 RBNR AIR INTAKE / AMERICAN WARMING / AWV-7402 / NAMCO LIMIT SWITCH	594 / EA740	HRB		CW / NS(T)-077 REV 0B / IEEE-323,344,382	Y	N	.30.13								D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM HVZ - HTG,VENTILATING,AIR COND CONDENSING WATER - SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	SEIS DYN.	OTHER	REQ'D INPUT (ZPA)	LOADS	ANLYS	QUAL METH TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3HVZ*MOD21A	H2 RBNR VENT AMERICAN WARMING AWV-7402 NAMCO LIMIT SWITCH	 594 EA740	HRB		CW NS(T)-077 REV 0B IEEE-323,344,382		Y	N	.30.13								D	
3HVZ*MOD21B	H2 RBNR VENT AMERICAN WARMING AWV-7402 NAMCO LIMIT SWITCH	 594 EA740	HRB		CW NS(T)-07 REV 0B IEEE-323,344,382		Y	N	.30.13								D	
RE - RADIOACTIVITY ELEMENT, PRIMARY																		
3HVZ*RE09A	RECOMBINER CUB A EXHAUST KAMAN SCIENCES 451003-003 KAMAN	 K-84-50/K-84-1 624 KDB	HRB	00037	CW NS(T)-077 REV 0B IEEE 323,IEEE 344		Y	N	.23.13	S	NA	NA		33+	33+	33+	A	Y
3HVZ*RE09B	RECOMBINER CUB A EXHAUST KAMAN SCIENCES 451003-003 KAMAN	 K-84-50/K-84-1 624 KDB	HRB	00037	CW NS(T)-077 REV 0B IEEE 323,IEEE 344		Y	N	.23.13	S	NA	NA		33+	33+	33+	A	Y
RIY - RADIATION INDICATING RELAY																		
3HVZ*RIY09A	REMOTE MICROPROCESSOR KAMAN SCIENCES KEM-S(45095-008) KAMAN	 K-84-50/16683-8 624	HRB	00024	CW NS(T)-077 REV 0B IEEE 323,IEEE 344		Y	N	.23.13	N	MF	MD		24.0	24.0	28.0	D	Y
3HVZ*RIY09B	REMOTE MICROPROCESSOR KAMAN SCIENCES KEM-S(45095-008) KAMAN	 K-84-50/16683-8 624	HRB	00024	CW NS(T)-077 REV 0B IEEE 323,IEEE 344		Y	N	.23.13	N	MF	MD		24.0	24.0	28.0	D	Y

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REPOPT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM IAS - INSTRUMENT AIR SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
SHEC EQUIPMENT																
PV - VALVE,PRESSURE																
3IAS*PV15	CNTMNT INSTR AIR SPLY FISHER 667NS-ES NAMCO LIMIT SWITCH	 FQP-22-2 185 EA 180	AB	00004	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
SOV - VALVE,SOLENOID																
3IAS*SOV15	CNTMNT INSTR AIR SPLY FISHER ASCO SOLENOID	 AQR-67368 185 NPK 8320	AB	00005	EM NA IEEE,323,344,382	Y	N	3G	N	SF	SD		35+		A	Y
MOV - VALVE,MOTOR OPERATED																
3IAS*MOV72	CNTMNT INST AIR ISO VALVE YARWAY CORPORATION 5515B-F316M LIMITORQUE OPERATOR	 1030-3 655	CS	00018	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM LAC - LIGHTING,AC-CONTROL ROOM (MAIN)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SHEC EQUIPMENT																
XL - TRANSFORMER LIGHTING																
3LAC*EXL1O	LIGHTING TRANSFORMER		CB	00004	CF	Y	N	.25.15	N	MF	MD	18	22	18	A	Y
	PWR CONVRSN PROD INC	WYLE 45999-1			NS(B)-017,REV1B											
		608			IEEE 344											
	PWR CONVRSN PROD INC	10KVA														
3LAC*EXL2P	LIGHTING TRANSFORMER		CB	00004	CF	Y	N	.25.15	N	MF	MD	18	22	18	A	Y
	POWER CONV PROD INC	WYLE 45999-1			NS(B)-017,REV1B											
		608			IEEE 344											
	POWER CON PROD INC	10KVA														
3LAC*EXL3O	LIGHTING TRANSFORMER		CB	00004	CF	Y	N	.25.15	N	MF	MD	18	22	18	A	Y
	PWR CONVRSN PROD INC	WYLE 45999-1			NS(B)-017,REV1B											
		608			IEEE 344											
	PWR CONVRSN PROD INC	7.5 KVA														
3LAC*EXL4P	LIGHTING TRANSFORMER		CB	00004	CF	Y	N	.25.15	N	MF	MD	18	22	18	A	Y
	POWER CONV PROD INC	WYLE 45999-1			NS(B)-017,REV1B											
		608			IEEE 344											
	POWER CON PROD INC	10KVA														

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM LAD - LIGHTING,AC-DIESEL GENERATOR ROOM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	LOADS: SEIS / OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SNEC EQUIPMENT														
XL - TRANSFORMER LIGHTING														
3LAD*EXL1O	LIGHTING TRANSFORMER PWR CONVRSN PROD INC	WYLE 45999-1 608	EGE 00051	CF NS(B)-069,REV0B IEEE 344	Y	N	.55.15	N	MF	MD	18	22	18	A Y
	PWR CONVRSN PROD INC 5 KVA													
3LAD*EXL2P	DG LIGHTING TRANSFORMER PWR CONVRSN PROD INC	WYLE 45999-1 608	EGE 00051	CF NS(B)-069,REV0B IEEE 344	Y	N	.55.15	N	MF	MD	18	22	18	A Y
	PWR CONVRSN PROD INC 5KVA													

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM LAK - LIGHTING,AC-MISC BLDGS

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	LOADS: OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	DIR	NAT FREQS: F.B	S/S	VERT	STATUS: SQ	INS
SNEC EQUIPMENT																	
XL - TRANSFORMER LIGHTING																	
3LAK*EXL10	LIGHTING TRANSFORMER PWR CONVRSN PROD INC PWR CONVRSN PROD INC	WYLE 45999-1 608 5KVA	ESB	00004	CF NS(B)-010,REV0B IEEE 344	Y	N	.20.12	N	MF	MD	18	22	18	A	Y
3LAK*EXL2P	ESF BLDG LIGHTING XFMR PWR CONVRSN PROD INC PWR CONVRSN PROD INC	WYLE 45999-1 608 5KVA	MRC	-0034	CF NS(B)-010,REV0B IEEE 344	Y	N	.20.12	N	MF	MD	18	22	18	A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT I

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM LAP - LIGHTING,AC-PRIMARY AUXILIARY BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	LOADS: ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3LAP*EXL10	LIGHTING TRANSFORMER PWR CONVRSN PROD INC PWR CONVRSN PROD INC	WYLE 45999-1 608 10 KVA	AB	00024	CW NS(B)-007,REV0B IEEE 344	Y	N	.27.16	N	MF	MD		18	22	18	A	Y
3LAP*EXL2P	LIGHTING TRANSFORMER POWER CONV PROD INC POWER CON PROD INC	WYLE 45999-1 608 10 KVA	MRC	00024	CW NS(B)-007,REV0B IEEE 344	Y	N	.27.16	N	MF	MD		18	22	18	A	Y
3LAR*EXL2P	LIGHTING TRANSFORMER POWER CONV PROD INC POWER CON PROD INC	WYLE 45999-1 608 10 KVA	AB	00024	CW NS(B)-007,REV0B IEEE 344	Y	N	.27.16	N	MF	MD		18	22	18	A	Y
3VBA*XRC-1	+UAC1 REG XFMR PNL-VB1 ELGAR CORP PLC-253-1-1 ELGAR	80255 622 PLC 253-1-1	CB	00004	CW NS(B)-017,REV1B IEEE-323,344	Y	N	.25.15	S	NA	NA		40+	40+	40+	A	Y
3VBA*XRC-2	+UAC3 REG XFMR PNL-VB2 ELGAR CORP PLC-253-1-1 ELGAR	80255 622 PLC-253-1-1	CB	00004	CW NS(B)-017,REV1B IEEE-323,344	Y	N	.25.15	S	NA	NA		40+	40+	40+	A	Y

SWEC EQUIPMENT

X - TRANSFORMER

XL - TRANSFORMER LIGHTING

XL - TRANSFORMER LIGHTING

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM LAP - LIGHTING,AC-PRIMARY AUXILIARY BLDG

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS DYN.	OTHER REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3VBA*XRC-3	+UAC2 REG XFMR PNL-VB3		CB	00004	CW	Y	N	.25.15	S	NA	NA	40+	40+	40+	A	Y
	ELGAR CORP	80255			NS(B)-017,REV1B											
	PLC-253-1-1	622			IEEE-323,344											
	ELGAR	PLC 253-1-1														
3VBA*XRC-4	+UAC4 REG XFMR PNL-VB4		CB	00004	CW	Y	N	.25.15	S	NA	NA	40+	40+	40+	A	Y
	ELGAR CORP	80255			NS(B)-017,REV1B											
	PLC-253-1-1	622			IEEE-323,344											
	ELGAR	PLC 253-1-1														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM LAR - LIGHTING,AC-REACTOR BLDG

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS / DYN.	OTHER REQ'D / INPUT (ZPA)	LOADS: ANLYS	TEST	QUAL METH: TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SNEC EQUIPMENT																
X - TRANSFORMER																
3LAR*EXL10	LIGHTING TRANSFORMER POWER CONV PROD INC POWER CON PROD INC	WYLE 45999-1 608 10KVA	AB	00024	CW NS(B)-007,REV0B IEEE 344	Y	N .27.16	N	MF	MD	18	22	18	A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM LAT - LIGHTING,AC-TURBINE AREA

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER / DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SNEC EQUIPMENT																	
X - TRANSFORMER																	
3LAT*EXL10	LIGHTING TRANSFORMER		CB	00004	CF	Y	N	.25.15	N	MF	MD		18	22	18	A	Y
	POWER CONV PROD INC	WYLE 45999-1			NS(B)-017,REV1B												
		608			IEEE 344												
	POWER CON PROD INC	10KVA															
XL - TRANSFORMER LIGHTING																	
3LAT*EXL2P	LIGHTING TRANSFORMER		CB	00004	CF	Y	N	.25.15	N	MF	MD		18	22	18	A	Y
	POWER CONV PROD INC	WYLE 45999-1			NS(B)-017,REV1B												
		608			IEEE 344												
	POWER CON PROD INC	10KVA															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM LAW - LIGHTING,AC-SCREENWELL AND PUMPHOUSE

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
SWEC EQUIPMENT																
XL - TRANSFORMER LIGHTING																
3LAW*EXL1O	LIGHTING TRANSFORMER PWR CONVRSN PROD INC	WYLE 45999-1 608 PWR CONVRSN PROD INC 5 KVA		00014	CW NS(B)-044,REV2B IEEE 344	Y	N	.40.16	N	MF	MD	18	22	18	A	Y
3LAW*EXL2P	LIGHTING TRANSFORMER PWR CONVRSN PROD INC	WYLE 45999-1 608 PWR CONVRSN PROD INC 5 KVA	CSP	00014	CW NS(B)-044,REV2B IEEE 344	Y	N	.40.16	N	MF	MD	18	22	18	A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY MUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM LHS - LEAKAGE MONITORING SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG	RRS REF / CODES	SEIS	OTHER	LOADS: DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT																			
TI - INDICATOR,TEMPERATURE																			
3LHS*TI21A	CNTMNT TEMP		CB		CM	Y	N		.40.15	N		MF	MD		NA	NA	NA	C	
	INT'L INST 1151VB	SQP-99X2087-A 245			NS(B)-017 REV 1B IEEE 344 & NUREG 0800														
3LHS*TI21B	CNTMNT TEMP		CB		CM	Y	N		.40.15	N		MF	MD		NA	NA	NA	C	
	INT'L INST 1151VB	SQP-99X2087-A 245			NS(B)-017 REV 1B IEEE 344 & NUREG 0800														
TR - RECORDER,TEMPERATURE																			
3LHS*TR21	CNTMNT TEMP		CB		RM	Y	N											A	
	FOXBORO	QOAA23			NS(B)-017 REV 1B														
	N-226S-16	392			IEEE 344,323														
	ELECTRONIC RECORDERS	N-226S-16																	
TY - RELAY,COMPUTING,SELECTING OR BOOSTER,TEMPERATURE																			
3LHS*TY21	CNTMNT TEMP		CB		RM	Y	N			N		MF	MD		NA	NA	NA	D	
	FOXBORO	QOAAB18			NS(B)-017 REV 1B														
	N-2AX+DIO	392			IEEE-344,322														
	DISTRIBUTION MODULE	N-2AX+DIO																	
3LHS*TY21A	CNTMNT TEMP		CB		RM	Y	N											A	
	FOXBORO	QOAB29			NS(B)-017 REV 1B														
	N-2AI-P2V	392			IEEE 344,323														
	R/E CONVERTER	N-2AI-P2V																	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM LMS - LEAKAGE MONITORING SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRG REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3LMS*TY21B	CNTMNT TEMP FOXBORO N-2AI-P2V R/E CONVERTER	 QOAB29 392 N-2AI-P2V	CB		RM NS(B)-017 REV 1B IEEE-344	Y	N								A	
MOV - VALVE,MOTOR OPERATED																
3LMS*MOV40A	GLOBE VALVE YARWAY CORPORATION 5515B-F316M LIMITORQUE OPERATOR	 1030-3 655 SMB-00-5	AB	00004	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3LMS*MOV40B	GLOBE VALVE YARWAY CORPORATION 5515B-F316M LIMITORQUE OPERATOR	 1030-3 655 SMB-00-5	AB	00004	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3LMS*MOV40C	GLOBE VALVE YARWAY CORPORATION 5515B-F316M LIMITORQUE OPERATOR	 1030-3 655 SMB-00-5	AB	00004	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3LMS*MOV40D	GLOBE VALVE YARWAY CORPORATION 5515B-F316M LIMITORQUE OPERATOR	 1030-3 655 SMB-00-5	AB	00004	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
PT - TRANSMITTER,PRESSURE																
3LMS*PT24A	CNTMNT PRESS ROSEMOUNT 1153AB ABSLTE PRSR TRANSMTR	 108025 662 1153AB7PC	AB	00024	RM NS(B)-007 REV 1B IEEE-323,344	Y	N	.18.12	N	MF	MD	50	47	50	A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM LMS - LEAKAGE MONITORING SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3LMS*PT24B	CNTMNT PRESS ROSEMOUNT 1153AB ABSLTE PRSR TRANSMTR	 108025 662 1153AB7PC	AB	00004	RM NS(B)-007 REV 1B IEEE-323,344	Y	N	.18.12	N	MF	MD		50	47	50	A	Y
3LMS*PT934	CNTMNT PRESS ROSEMOUNT 1153AB ABSLTE PRSR TRANSMTR	 108025 662 1153AB6PC	AB	00004	RM NS(B)-007 REV 1B IEEE-323,344	Y	N	.18.12	N	MF	MD		50	47	50	A	Y
3LMS*PT935	CNTMNT PRESS ROSEMOUNT 1153AB ABSLTE PRSR TRANSMTR	 108025 662 1153AB6PC	AB	00004	RM NS(B)-007 REV 1B IEEE-323,344	Y	N	.18.12	N	MF	MD		50	47	50	A	Y
3LMS*PT936	CNTMNT PRESS ROSEMOUNT 1153AB ABSLTE PRSR TRANSMTR	 108025 662 1153AB6PC	AB	00004	RM NS(B)-007 REV B IEEE-323,344	Y	N	.18.12	N	MF	MD		50	47	50	A	Y
3LMS*PT937	CNTMNT PRESS ROSEMOUNT 1153AB ABSLTE PRSR TRANSMTR	 108025 662 1153AB6PC	AB	00004	RM NS(B)-007 REV B IEEE-323,344	Y	N	.18.12	N	MF	MD		50	47	50	A	Y

TE - TEMPERATURE ELEMENT, PRIMARY

3LMS*TE21A	CNTMNT TEMP WEED INSTRUMENT CO 0313-00125-006 WEED RTD	 3035-00125-14 683 611	CS	00150	DM NS(B)-025,REV 1B IEEE 323,344	Y	N	.80.30	N	MF	MD			33+		A	Y
3LMS*TE21B	CNTMNT TEMP WEED INSTRUMENT CO 0313-00125-006 WEED RTD	 3035-00125-14 683 611	CS	00140	DM NS(B)-025,REV 1B IEEE 323,344	Y	N	.80.30	N	MF	MD			33+		A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM LWC - LIQUID WASTE - CONDENSATE DEMIN. SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS / DYN.	OTHER REQ'D / INPUT (ZPA)	LOADS: ANLYS	TEST	QUAL METH: TEST FREQ	DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SNEC EQUIPMENT																
FQI - INDICATOR,QUANTITY,FLOW																
3SSP*CTV7	CNTMNT ISO OF SSP TARGET ROCK CORP 81V-010 IN-LINE SOLENOID VLV	3040 LATER 81V-004	CS	00026	DM NA ASME III,CL2	Y	N	3G	S	NA	NA	33+			A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM MSS - MAIN STEAM SYSTEM (FOSSIL AND NUCLEAR)

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
SWEC EQUIPMENT																	
MOV - VALVE,MOTOR OPERATED																	
3MSS*MOV17A	GLOBE STOP CHECK VALVE WALWORTH N5320 PSB LIMITORQUE OPERATOR	231 REV 1 161 SMB-00-	ESB	00021	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+			A	Y
3MSS*MOV17B	GLOBE STOP CHECK VALVE WALWORTH N5320 PSB LIMITORQUE OPERATOR	231 REV 1 161 SMB-00-	ESB	00021	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+			A	Y
3MSS*MOV17D	GLOBE STOP CHECK VALVE WALWORTH N5320 PSB LIMITORQUE OPERATOR	231 REV 1 161	ESB	00021	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+			A	Y
3MSS*MOV18A	GATE VALVE WALWORTH N5247 PS LIMITORQUE OPERATOR	230 REV 1 161 SMB-0	MSV	00071	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+			A	Y
3MSS*MOV18B	GATE VALVE WALWORTH N5247 PS LIMITORQUE OPERATOR	230 REV 1 161 SMB-01	MSV	00071	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+			A	Y
3MSS*MOV16C	GLOBE STOP CHECK VALVE WALWORTH N5247 PS LIMITORQUE OPERATOR	230 REV 1 161 SMB-0	MSV	00071	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+			A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM MSS - MAIN STEAM SYSTEM (FOSSIL AND NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	LOADS: ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3MSS*MOV18D	GATE VALVE		MSV	00069	DM	Y	N	3G	S	NA	NA			33+		A	Y
	WALWORTH	230 REV 1			NA												
	N5247 PS	161			ASME III,CL2												
	LIMITORQUE OPERATOR	SMB-															
CTV - VALVE,CONTAINMENT,TRIP																	
3MSS*CTV27A	MN STH ISOL TRIP VLV		MSV	00066	DM	Y	N	3G	S	NA	NA			33+		A	
		0382-146%.B110			NA												
	DAS 630B	177			ASME III,CL2												
3MSS*CTV27B	MN STH ISOL TRIP VLV		MSV	00066	DM	Y	N	3G	S	NA	NA			33+		A	
		0382-146&.B110			NA												
	DAS 630B	177			ASME III,CL2												
3MSS*CTV27C	MN STH ISOL TRIP VLV		MSV	00066	DM	Y	N	3G	S	NA	NA			33+		A	
		0382-146&.B110			NA												
	DAS 630B	177			ASME III,CL2												
3MSS*CTV27D	MN STH ISOL TRIP VLV		MSV	00066	DM	Y	N	3G	S	NA	NA			33+		A	
		0382-146&.B110			NA												
	DAS 630B	177			ASME III,CL2												
SV - VALVE;SOLENOID,(WESTINGHOUSE)																	
3MSS*SV27A1A	MN STH ISOL TRIP VLV		MSV	00066	EM	Y	N	3G	D	SF	SD			33+		A	
		0382-146,REF.5			NA												
	MGV	177			ASME III,CL2												

REPORT NO. MS9QT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM MSS - MAIN STEAM SYSTEM (FOSSIL AND NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3MSS*SV27A1B	MN STM ISOL TRIP VLV MGV	0382-146,REF.5 177	MSV	00066	EM NA ASME III,CL2	Y	N	3G	D	SF	SD		33+		A	
3MSS*SV27A2A	MN STM ISOL TRIP VLV MGV	0382-146,REF.5 177	MSV	00066	EM NA ASME III,CL2	Y	N	3G	D	SF	SD		33+		A	
3MSS*SV27A2B	MN STM ISOL TRIP VLV MGV	0382-146,REF.5 177	MSV	00066	EM NA ASME III,CL2	Y	N	3G	D	SF	SD		33+		A	
3MSS*SV27A3A	MN STM ISOL TRIP VLV MGV	0382-146,REF.5 177	MSV	00066	EM NA ASME III,CL2	Y	N	3G	D	SF	SD		33+		A	
3MSS*SV27A3B	MN STM ISOL TRIP VLV MGV	0382-146,REF.5 177	MSV	00066	EM NA ASME III,CL2	Y	N	3	D	SF	SD		33+		A	
3MSS*SV27A4A	MN STM ISOL TRIP VLV MGV	0382-146,REF.5 177	MSV	00066	EM NA ASME III,CL2	Y	N	3G	D	SF	SD		33+		A	
3MSS*SV27A4B	MN STM ISOL TRIP VLV MGV	0382-146,REF.5 177	MSV	00066	EM NA ASME III,CL2	Y	N	3G	D	SF	SD		33+		A	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM MSS - MAIN STEAM SYSTEM (FOSSIL AND NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3MSS*SV27B1A	MN STM ISOL TRIP VLV		MSV 00066	EM	Y	N	3G	D	SF	SD		33+		A	
		0382-146,REF.5		NA											
	MGV	177		ASME III,CL2											
3MSS*SV27B1B	MN STM ISOL TRIP VLV		MSV 00066	EM	Y	N	3G	D	SF	SD		33+		A	
		0382-146,REF.5		NA											
	MGV	177		ASME III,CL2											
3MSS*SV27B2A	MN STM ISOL TRIP VLV		MSV 00066	EM	Y	N	3G	D	SF	SD		33+		A	
		0382-146,REF.5		NA											
	MGV	177		ASME III,CL2											
3MSS*SV27B2B	MN STM ISOL TRIP VLV		MSV 00066	EM	Y	N	3G	D	SF	SD		33+		A	
		0382-146,REF.5		NA											
	MGV	177		ASME III,CL2											
3MSS*SV27B3A	MN STM ISOL TRIP VLV		MSV 00066	EM	Y	N	3G	D	SF	SD		33+		A	
		0382-146,REF.5		NA											
	MGV	177		ASME III,CL2											
3MSS*SV27B3B	MN STM ISOL TRIP VLV		MSV 00066	EM	Y	N	3G	D	SF	SD		33+		A	
		0382-146,REF.5		NA											
	MGV	177		ASME III,CL2											
3MSS*SV27B4A	MN STM ISOL TRIP VLV		MSV 00066	EM	Y	N	3G	D	SF	SD		33+		A	
		0382-146,REF.5		NA											
	MGV	177		ASME III,CL2											

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM MSS - MAIN STEAM SYSTEM (FOSSIL AND NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV MTG / RRS REF / CODES	LOADS: SEIS / OTHER DYN. / REQ'D INPUT (ZPA)	QUAL METH: ANLYS / TEST FREQ / TEST DIR	NAT FREQS: F/B / S/S / VERT	STATUS: SQ / INS
3MSS*SV27B4B	MN STH ISOL TRIP VLV	0382-146,REF 5	MSV 00066 EM / NA	Y N 3G	D SF SD		A
	MGV	177	ASME III,CL2				
3MSS*SV27C1A	MN STH ISOL TRIP VLV	0382-146,REF.5	MSV 00066 EM / NA	Y N 3G	D SF SD	33+	A
	MGV	177	ASME III,CL2				
3MSS*SV27C1B	MN STH ISOL TRIP VLV	0382--146,REF5	MSV 00066 EM / NA	Y N 3G			D
	MGV	177	ASME III,CL2				
3MSS*SV27C2A	MN STH ISOL TRIP VLV	0382-146,REF.5	MSV 00066 EM / NA	Y N 3G	D SF SD	33+	A
	MGV	177	ASME III,CL2				
3MSS*SV27C2B	MN STH ISOL TRIP VLV	0382-146,REF.5	MSV 00066 EM / NA	Y N 3G	D SF SD	33+	A
	MGV	177	ASME III,CL2				
3MSS*SV27C3A	MN STH ISOL TRIP VLV	0382-146,REF.5	MSV 00066 EM / NA	Y N 3G	D SF SD	33+	A
	MGV	177	ASME III,CL2				
3MSS*SV27C3B	MN STH ISOL TRIP VLV	0382-146,REF.5	MSV 00066 EM / NA	Y N 3G	D SF SD	33+	A
	MGV	177	ASME III,CL2				

REPORT NO. MSSQT1

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UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM MSS - MAIN STEAM SYSTEM (FOSSIL AND NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	HTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3MSS*SV27C4A	MN STH ISOL TRIP VLV	0382-146,REF.5	MSV	00066	EM / NA	Y	N	3G	D	SF	SD			33+		A	
	MGV	177			ASME III,CL2												
3MSS*SV27C4B	MN STH ISOL TRIP VLV	0382-146,REF.5	MSV	00066	EM / NA	Y	N	3G	D	SF	SD			33+		A	
	MGV	177			ASME III,CL2												
3MSS*SV27D1A	MN STH ISOL TRIP VLV	0382-146,REF.5	MSV	00066	EM / NA	Y	N	3G	D	SF	SD			33+		A	
	MGV	177			ASME III,CL2												
3MSS*SV27D1B	MN STH ISOL TRIP VLV	0382-146,REF.5	MSV	00066	EM / NA	Y	N	3G	D	SF	SD			33+		A	
	MGV	177			ASME III,CL2												
3MSS*SV27D2A	MN STH ISOL TRIP VLV	0382-146,REF.5	MSV	00066	EM / NA	Y	N	3G	D	SF	SD			33+		A	
	MGV	177			ASME III,CL2												
3MSS*SV27D2B	MN STH ISOL TRIP VLV	0382-146,REF.5	MSV	00066	EM / NA	Y	N	3G	D	SF	SD			33+		A	
	MGV	177			ASME III,CL2												
3MSS*SV27D3A	MN STH ISOL TRIP VLV	0382-146,REF.5	MSV	00066	EM / NA	Y	N	3G	D	SF	SD			33+		A	
	MGV	177			ASME III,CL2												

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REPORT DATE 10/11/84

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UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM MSS - MAIN STEAM SYSTEM (FOSSIL AND NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	HTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3MSS*SV2703B	MN STH ISOL TRIP VLV		MSV	00066	EM	Y	N	3G	D	SF	SD			33+		A	
	MGV	0382-146,REF.5 / 177			NA / ASME III,CL2												
3MSS*SV2704A	MN STH ISOL TRIP VLV		MSV	00066	EM	Y	N	3G	D	SF	SD			33+		A	
	MGV	0382-146,REF.5 / 177			NA / ASME III,CL2												
3MSS*SV2704B	MN STH ISOL TRIP VLV		MSV	00066	EM	Y	N	3G	D	SF	SD			33+		A	
	MGV	0382-146,REF.5 / 177			NA / ASME III,CL2												
RV - VALVE,RELIEF																	
3MSS*RV22A	MN STH SAFETY VLV RLF		MSV	00068	DM	Y	N	3G	S	NA	NA			33+		A	Y
	3700	SQ-37-9&74-370-4 / 180			NA / ASME III,CL2												
3MSS*RV22B	MN STH SAFETY VLV RLF		MSV	00068	DM	Y	N	3G	S	NA	NA			33+		A	Y
	3700	SQ-37-9&74-370-4 / 180			NA / ASME III,CL2												
3MSS*RV22C	MN STH SAFETY VLV RLF		MSV	00068	DM	Y	N	3G	S	NA	NA			33+		A	Y
	3700	SQ-37-9&74-370-4 / 180			NA / ASME III,CL2												
3MSS*RV22D	MN STH SAFETY VLV RLF		MSV	00068	DM	Y	N	3G	S	NA	NA			33+		A	Y
		SQ-37-9&74-370-4 / 180			NA / ASME III,CL2												

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PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM MSS - MAIN STEAM SYSTEM (FOSSIL AND NUCLEAR)

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF / CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3MSS*RV23A	MN STM SAFETY VLV RLF 3700	SQ-37-9&74-370-4 180	MSV	00068	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3MSS*RV23B	MN STM SAFETY VLV RLF 3700	SQ-37-9&74-370-4 180	MSV	00068	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3MSS*RV23C	MN STM SAFETY VLV RLF 3700	SQ-37-9&74-370-4 180	MSV	00068	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3MSS*RV23D	MN STM SAFETY VLV RLF 3700	SQ-37-9&74-370-4 180	MSV	00068	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3MSS*RV24A	MN STM SAFETY VLV RLF 3700	SQ-37-9&74-370-4 180	MSV	00068	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3MSS*RV24B	MN STM SAFETY VLV RLF 3700	SQ-37-9&74-370-4 180	MSV	00068	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3MSS*RV24C	MN STM SAFETY VLV RLF 3700	SQ-37-9&74-370-4 180	MSV	00068	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM MSS - MAIN STEAM SYSTEM (FOSSIL AND NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	HTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3MSS*RV24D	MN STH SAFETY VLV RLF	SQ-37-9&74-370-4	MSV	00068	DM / NA	Y	N	3G	S	NA	NA		33+			A	Y
	3700	180			ASME III,CL2												
3MSS*RV25A	MN STH SAFETY VLV RLF	SQ-37-9&74-370-4	MSV	00068	DM / NA	Y	N	3G	S	NA	NA		33+			A	Y
	3700	180			ASME III,CL2												
3MSS*RV25B	MN STH SAFETY VLV RLF	SQ-37-9&74-370-4	MSV	00068	DM / NA	Y	N	3G	S	NA	NA		33+			A	Y
	3700	180			ASME III,CL2												
3MSS*RV25C	MN STH SAFETY VLV RLF	SQ-37-9&74-370-4	MSV	00068	DM / NA	Y	N	3G	S	NA	NA		33+			A	Y
	3700	180			ASME III,CL2												
3MSS*RV25D	MN STH SAFETY VLV RLF	SQ-37-9&74-370-4	MSV	00068	DM / NA	Y	N	3G	S	NA	NA		33+			A	Y
	3700	180			ASME III,CL2												
3MSS*RV26A	MN STH SAFETY VLV RLF	SQ-37-9&74-370-4	MSV	00068	DM / NA	Y	N	3G	S	NA	NA		33+			A	Y
	3700	180			ASME III,CL2												
3MSS*RV26B	MN STH SAFETY VLV RLF	SQ-37-9&74-370-4	MSV	00068	DM / NA	Y	N	3G	S	NA	NA		33+			A	Y
	3700	180			ASME III,CL2												

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM MSS - MAIN STEAM SYSTEM (FOSSIL AND NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3MSS*RV26C	MN STM SAFETY VLV RLF		MSV 00068		Y	N	3G	S	NA	NA			33+		A	Y
		SQ-37-9&74-370-4		NA												
	3700	180		ASME III,CL2												
3MSS*RV26D	MN STM SAFETY VLV RLF		MSV 00068		Y	N	3G	S	NA	NA			33+		A	Y
		SQ-37-9&74-370-4		NA												
	3700	180		ASME III,CL2												

AOV - VALVE,AIR OPERATED

3MSS*AOV31A	SGAFP TURB STM SPLY		ESB 00026	DM	Y	N	3G	S	NA	NA			33+		A	Y
	FISHER	FQP-22-9/10A		NA												
	657NS-ES	185		ASME III,CL2												
	NAMCO LIMIT SWITCH	EA 170														
3MSS*AOV31B	SGAFP TURB STM SPLY		ESB 00026	DM	Y	N	3G	S	NA	NA			33+		A	Y
	FISHER	FQP-22-9/10A		NA												
	657NS-ES	185		ASME III,CL2												
	NAMCO LIMIT SWITCH	EA 170														
3MSS*AOV31D	SGAFP TURB STM SPLY		ESB 00026	DM	Y	N	3G	S	NA	NA			33+		A	Y
	FISHER	FQP-22-9/10A		NA												
	657-NS-ES	185		ASME III,CL2												
	NAMCO LIMIT SWITCH	EA 170														
3MSS*AOV64A	AUX FW PMP TURB STM BYPASS		ESB 00021	DM	Y	N	3G	S	NA	NA			33+		A	Y
		FQP-22-1B		NA												
	667NSDBQNS	185		ASME III,CL2												
3MSS*AOV64B	AUX FW PMP TURB STM BYPASS		ESB 00021	DM	Y	N	3G	S	NA	NA			33+		A	Y
		FQP-22-1B		NA												
	667NSDBQNS	185		ASME III,CL2												

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM MSS - MAIN STEAM SYSTEM (FOSSIL AND NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	HTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3MSS*AOV64D	AUX FW PMP TURB STM BYPASS		ESB	00021	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	667NSDBQNS	185			ASME III,CL2											
3MSS*AOV65	SILENCER DRAIN		ESB	00021	DM	Y	N	3G	S	NA	NA		33+		A	Y
		FQP-22-1B			NA											
	667NS-ES	165			ASME III,CL2											
HV - VALVE,HAND																
3MSS*HV28A	MN STM ISOL BYP		MSV	00073	DM	Y	N	3B	S	NA	NA		33+		A	
	FISHER	FQP-22-7			NA											
	667NS-DBQNS	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
3MSS*HV28B	MN STM ISOL BYP		MSV	00073	DM	Y	N	3G	S	NA	NA		33+		A	
	FISHER	FQP-22-7			NA											
	667NS-DBQNS	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
3MSS*HV28C	MN STM ISOL BYP		MSV	00073	DM	Y	N	3G	S	NA	NA		33+		A	
	FISHER	FQP-22-7			NA											
	667NS-DBQNS	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
3MSS*HV28D	MN STM ISOL BYP		MSV	00073	DM	Y	N	3G	S	NA	NA		33+		A	
	FISHER	FQP-22-7			NA											
	667NS-DBQNS	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
SOV - VALVE,SOLENOID																

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM MSS - MAIN STEAM SYSTEM (FOSSIL AND NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3MSS*SOV28A1	MN STM ISOL BYP		TB	00074	DM	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3MSS*SOV28A2	MN STM ISOL BYP		TB	00074	DM	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3MSS*SOV28B1	MN STM ISOL BYP		TB	00074	DM	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3MSS*SOV28B2	MN STM ISOL BYP		TB	00074	DM	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3MSS*SOV28C1	MN STM ISOL BYP		TB	00074	DM	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3MSS*SOV28C2	MN STM ISOL BYP		TB	00074	DM	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3MSS*SOV28D1	MN STM ISOL BYP		TB	00074	DM	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														

REPORT NO. HSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM HSS - MAIN STEAM SYSTEM (FOSSIL AND NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HSS*SOV31A1	SGAFP TURB STM SPLY		ESB	00026	EM	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3HSS*SOV31A2	SGAFP TURB STM SPLY		ESB	00026	CW	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3HSS*SOV31B1	SGAFP TURB STM SPLY		ESB	00026	EM	Y	N	3G	N	SF	SD		35+		A	
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3HSS*SOV31B2	SGAFP TURB STM SPLY		ESB	00026	CW	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3HSS*SOV31D1	SGAFP TURB STM SPLY		ESB	00026	EM	Y	N	3G	N	SF	SD		35+		A	
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3HSS*SOV31D2	SGAFP TURB STM SPLY		ESB	00026	CW	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														

PV - VALVE,PRESSURE

3HSS*PV20A	MN STM PRESS RLVING VLV		HSV	00069											D	
	FISHER															
		188			3624											
	NAMCO LIMIT SWITCH	EA 180														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM MSS - MAIN STEAM SYSTEM (FOSSIL AND NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS / DYN.	LOADS: OTHER REQ'D / INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3MSS*PV20B	MN STH PRESS RLVING VLV FISHER NAMCO LIMIT SWITCH	188 EA 180	MSV 00069	3624									D	
3MSS*PV20C	MN STH PRESS RLVING VLV FISHER NAMCO LIMIT SWITCH	188 EA 180	MSV 00069	3624									D	
3MSS*PV20D	MN STH PRESS RLVING VLV FISHER NAMCO LIMIT SWITCH	188 EA 180	MSV 00069	3624									D	
PI - INDICATOR,PRESSURE														
3MSS*PI515B	STM GEN LOOP 1 W TYPE 252,4-20 MA	15880,REV 2 246	CB 00048	CM NS(B)-017 REV 1B IEEE 323	Y	N .40.15	N	MF	MD	NA	NA	NA	A	
3MSS*PI525B	STM GEN LOOP2 PRESS W TYPE 252,4-20 MA	15880,REV 2 246	CB 00048	CM NS(B)-017 REV 1B IEEE 323	Y	N .40.15	N	MF	MD	NA	NA	NA	A	
3MSS*PI535B	STM GEN LOOP3 PRESS W TYPE 252,4-20 MA	15880,REV 2 246	CB 00048	CM NS(B)-017 REV 1B IEEE 323	Y	N .40.15	N	MF	MD	NA	NA	NA	A	
3MSS*PI545B	STM GEN LOOP4 PRESS W TYPE 252,4-20 MA	15880,REV 2 246	CB 00048	CM NS(B)-017 REV 1B IEEE 323	Y	N .40.15	N	MF	MD	NA	NA	NA	A	

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PC - CONTROLLER,PRESSURE														
3MSS-PC2081	MN STM PRESS RLVING VLV	392	CB 00048	RM NS(B)-017 REV1B IEEE-344	Y	N .40.15								D
PY - RELAY,COMPUTING,SELECTING OR BOOSTER,PRESSURE														
3MSS*PY514B2	STM GEN LOOP 1 PRESS N-2AO-V2I	QOAAB50 392	CB	RM NS(B)-017 REV 1B IEEE 344,323	Y	N	N	MF	MD	NA	NA	NA		D
3MSS*PY524B1	STM GEN LOOP 2 PRESS N-2AI-I2V	QOAAB35 392	CB	RM NS(B)-017 REV 1B IEEE 344,323	Y	N	N	MF	MD	NA	NA	NA		D
3MSS*PY534B1	STM GEN LOOP 3 PRESS N-2AI-I2V	QOAAB35 392	CB	RM NS(B)-017 REV 1B IEEE 344,323	Y	N	N	MF	MD	NA	NA	NA		D
3MSS*PY534B2	STM GEN LOOP 3 PRESS N-2AO-V2I	QOAAB50 392	CB	RM NS(B)-017 REV 1B IEEE 344,323	Y	N	N	MF	MD	NA	NA	NA		D
3MSS*PY544B1	STM GEN LOOP 4 PRESS N-2AI-I2V	QOAAB35 392	CB	RM NS(B)-017 REV 1B IEEE 344,323	Y	N	N	MF	MD	NA	NA	NA		D

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EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: HTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3MSS*PY544B2	STM GEN LOOP 4 PRESS		CB		RM	Y	N		N	MF	MD	NA	NA	NA	D	
		QOAAB50			NS(B)-017 REV 1B											
	N-2AO-V2I	392			IEEE 344,323											
3MSS-PY514B1	STM GEN LOOP 1 PRESS		CB		RM	Y	N								D	
					NS(B)-017 REV 1B											
		392			IEEE-344											

RE - RADIOACTIVITY ELEMENT, PRIMARY

EQUIPMENT ID	DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	BLDG	ELEV	HTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	TEST FREQ	TEST DIR	F/B	S/S	VERT	SQ	INS
3MSS*RE75	MN STM REL LINE A		MSV	00070	DM	Y	N	.48.16	D	NA	NA	33+	33+	33+	D	
	KAMAN SCIENCES	K-84-50/K-84-13			NS(B)-070 REV 0B											
	451005-001	624			IEEE 323,IEEE 344											
	KAMAN	KMD-SD														
3MSS*RE76	MN STM REL LINE B		MSV	00070	DM	Y	N	.48.16	D	NA	NA	33+	33+	33+	D	
	KAMAN SCIENCES	K-84-50/K-84-13			NS(B)-070 REV 0B											
	451005-001	624			IEEE 323,IEEE 344											
	KAMAN	KMD-SD														
3MSS*RE77	MN STM REL LINE C		MSV	00070	DM	Y	N	.48.16	D	NA	NA	33+	33+	33+	D	
	KAMAN SCIENCES	K-84-50/K-84-13			NS(B)-070 REV 0B											
	451005-001	624			IEEE 323,IEEE 344											
	KAMAN	KMD-SD														
3MSS*RE78	MN STM REL LINE D		MSV	00070	DM	Y	N	.48.16	D	NA	NA	33+	33+	33+	D	
	KAMAN SCIENCES	K-84-50/K-84-13			NS(B)-070 REV 0B											
	451005-001	624			IEEE 323,IEEE 344											
	KAMAN	KMD-SD														
3MSS*RE79	TURB DRIVEN AUX FDWTR PP DISCH		ESB	00036	CF	Y	N	.32.13	D	NA	NA	33+	33+	33+	D	
	KAMAN SCIENCES	K-84-50/K-84-13			NS(B)-010 REV 0B											
	451005-001	624			IEEE 323,IEEE 344											
	KAMAN	KMD-SD														

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DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM MSS - MAIN STEAM SYSTEM (FOSSIL AND NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	SEIS / DYN.	OTHER REQ'D / INPUT (ZPA)	LOADS: ANLYS	QUAL METH: TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
RIY - RADIATION INDICATING RELAY														
3MSS*RIY75	PART & GAS RAD MON		MSV 00024	CW	Y	N .48.16	N	MF	MD	24.0	24.0	28.0	B	
	KAMAN SCIENCES	K-84-50/16683-8		NS(B)-070,REV 0B										
	KEM-S(450953-011)	624		IEEE 323,344										
3MSS*RIY76	PART & GAS RAD MON		MSV 00024	CW	Y	N .48.16	N	MF	MD	24.0	24.0	28.0	B	
	KAMAN SCIENCES	K-84-50/16683-8		NS(B)-070,REV 0B										
	KEM-S(450953-011)	624		IEEE 323,344										
3MSS*RIY77	PART & GAS RAD MON		MSV 00024	CW	Y	N .48.16	N	MF	MD	24.0	24.0	28.0	B	
	KAMAN SCIENCES	K-84-50/16683-8		NS(B)-070,REV 0B										
	KEM-S(450953-011)	624		IEEE 323,344										
3MSS*RIY78	PART & GAS RAD MON		MSV	CW	Y	N .48.16	N	MF	MD	24.0	24.0	28.0	B	
	KAMAN SCIENCES	K-84-50/16683-8		NS(B)-070,REV 0B										
	KEM-S(450953-011)	624		IEEE 323,344										
3MSS*RIY79	PART & GAS RAD MON		ESB 00036	CW	Y	N .40.14	N	MF	MD	24.0	24.0	28.0	B	
	KAMAN SCIENCES	K-84-50/16683-8		NS(B)-010,REV 0B										
	KEM-S(450953-011)	624		IEEE 323,344										
MOV - VALVE,MOTOR OPERATED														
3MSS*MOV74A	MOTOR OP GLOBE VALVE		MSV 00071	DM	Y	N 3G	S	NA	NA		33+		A	Y
	PACIFIC VALVES	FA-5593		NA										
	56009-7-E-WE-X	651		ASME III,CL2										
	LIMITORQUE	SMB-0-40												

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PROJECT EQUIPMENT SYSTEM
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UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM MSS - MAIN STEAM SYSTEM (FOSSIL AND NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	LOCATION: MTG RS REF CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3HSS*MOV74B	MOTOR OP GLOBE VALVE		MSV 00071	DM	Y	N	3G	S	NA	NA		33+		A	Y
	PACIFIC VALVES	FA-5593		NA											
	56009-7-E-NE-X	651		ASME III,CL2											
	LIMITORQUE	SMB-0-40													
3HSS*MOV74C	MOTOR OP GLOBE VALVE		MSV 00071	DM	Y	N	3G	S	NA	NA		33+		A	Y
	PACIFIC VALVES	FA-5593		NA											
	56009-7-E-NE-X	651		ASME III,CL2											
	LIMITORQUE	SMB-0-40													
3HSS*MOV74D	MOTOR OP GLOBE VALVE		MSV 00071	DM	Y	N	3G	S	NA	NA		33+		A	Y
	PACIFIC VALVES	FA-5593		NA											
	56009-7-E-NE-X	651		ASME III,CL2											
	LIMITORQUE	SMB-0-40													
PT - TRANSMITTER,PRESSURE															
3HSS*PT505	TURB IMP CHAMBER PRESS		TB 00043	RM	Y	N	.33.22	N	MF	MD	50	47	50	A	Y
	ROSEMOUNT	108025		NS(B)-011 REV 0B											
	1153GB	662		IEEE-323,344											
	GUAGE PRSSR TRANSMTR	1153GB8PC													
3HSS*PT506	TURB IMP CHAMBER PRESS		TB 00043	RM	Y	N	.33.22	N	MF	MD	50	47	50	A	Y
	ROSEMOUNT	108025		NS(B)-011 REV 0B											
	1153GB	662		IEEE-323,344											
	GUAGE PRSSR TRANSMTR	1153GB8PC													
3HSS*PT514	STH GEN LOOP1 PRESS		MSV 00049	RM	Y	N	.30.14	N	MF	MD	50	47	50	A	Y
	ROSEMOUNT	108025		NS(B)-070 REV 0B											
	1153GB	662		IEEE-323,344											
	GUAGE PRSSR TRANSMTR	1153GB9PC													
3HSS*PT515	STH GEN LOOP1 PRESS		MSV 00049	RM	Y	N	.30.14	N	MF	MD	50	47	50	A	Y
	ROSEMOUNT	108025		NS(B)-070 REV 0B											
	1153GB	662		IEEE-323,344											
	GUAGE PRSSR TRANSMTR	1153GB9PC													

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UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM MSS - MAIN STEAM SYSTEM (FOSSIL AND NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3MSS*PT516	STM GEN LOOP1 PRESS ROSEMOUNT 1153GB GUAGE PRESSURE TRNSM	108025 662 1153GB9PC	MSV	00049	RM NS(B)-070 REV 0B IEEE-323,344	Y	N	.30.14	N	MF	MD		50	47	50	A	Y
3MSS*PT524	STM GEN LOOP2 PRESS ROSEMOUNT 1153GB GUAGE PRSSR TRANSMTR	108025 662 1153GB9PC	MSV	00049	RM NS(B)-070 REV 0B IEEE-323,344	Y	N	.30.14	N	MF	MD		50	47	50	A	Y
3MSS*PT525	STM GEN LOOP2 PRESS ROSEMOUNT 1153GB GUAGE PRSSR TRANSMTR	108025 662 1153GB9PC	MSV	00049	RM NS(B)-070 REV 0B IEEE-323,344	Y	N	.30.14	N	MF	MD		50	47	50	A	Y
3MSS*PT526	STM GEN LOOP2 PRESS ROSEMOUNT 1153GB GUAGE PRSSR TRANSMTR	108025 662 1153GB9PC	MSV	00049	RM NS(B)-070 REV 0B IEEE-323,344	Y	N	.30.14	N	MF	MD		50	47	50	A	Y
3MSS*PT534	STM GEN LOOP3 PRESS ROSEMOUNT 1153GB GUAGE PRSSR TRANSMTR	108025 662 1153GB9PC	MSV	00049	RM NS(B)-070 REV 0B IEEE-323,344	Y	N	.30.14	N	MF	MD		50	47	50	A	Y
3MSS*PT535	STM GEN LOOP3 PRESS ROSEMOUNT 1153GB GUAGE PRSSR TRANSMTR	108025 662 1153GB9PC	MSV	00049	RM NS(B)-070 REV 0B IEEE-323,344	Y	N	.30.14	N	MF	MD		50	47	50	A	Y
3MSS*PT536	STM GEN LOOP3 PRESS ROSEMOUNT 1153GB GUAGE PRSSR TRANSMTR	108025 662 1153GB9PC	MSV	00049	RM NS(B)-070 REV 0B IEEE-323,344	Y	N	.30.14	N	MF	MD		50	47	50	A	Y

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3MSS*PT544	STM GEN LOOP4 PRESS		MSV 00049	RM	Y	N	.30.14	N	MF	MD	50	47	50	A	Y
	ROSEMOUNT	108025		NS(B)-070 REV 0B											
	1153GB	662		IEEE-323,344											
	GUAGE PRSSR TRANSMTR	1153GB9PC													
3MSS*PT545	STM GEN LOOP4 PRESS		MSV 00049	RM	Y	N	.30.14	N	MF	MD	50	47	50	A	Y
	ROSEMOUNT	108025		NS(B)-070 REV 0B											
	1153GB	662		IEEE-323,344											
	GUAGE PRSSR TRANSMTR	1153GB9PC													
3MSS*PT546	STM GEN LOOP4 PRESS		MSV 00049	RM	Y	N	.30.14	N	MF	MD	50	47	50	A	Y
	ROSEMOUNT	108025		NS(B)-070 REV 0B											
	1153GB	662		IEEE-323,344											
	GUAGE PRSSR TRANSMTR	1153GB9PC													

NSSS EQUIPMENT

FE - FLOW ELEMENT

3MSS*FE19A	MN STM FLOW		CS 00052	DM										D	
		001		*											
3MSS*FE19B	MN STM FLOW		CS 00052	DM										D	
		001													
3MSS*FE19C	MN STM FLOW		CS 00052	DM										D	
		001													

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3MSS*FE19D	MN STM FLOW	001	CS	00052	DM										D	
PI - INDICATOR,PRESSURE																
3MSS*PI514A	STM GEN LOOP1 PRESS	001	CB	00048	DM										D	
3MSS*PI514B	STM GEN LOOP1 PRESS	001	CB	00048	DM										D	
3MSS*PI515A	STM GEN LOOP 1	001	CB	00048	DM										D	
3MSS*PI516A	STM GEN LOOP1 PRESS	001	CB	00048	DM										D	
3MSS*PI524A	STM GEN LOOP2 PRESS	001	CB	00048	DM										D	
3MSS*PI524B	STM GEN LOOP2 PRESS	001	CB	00048	DM										D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM MSS - MAIN STEAM SYSTEM (FOSSIL AND NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3MSS*PI525A	STM GEN LOOP2 PRESS	001	CB	00048	DM										D	
3MSS*PI526A	STM GEN LOOP2 PRESS	001	CB	00048	DM										D	
3MSS*PI534A	STM GEN LOOP3 PRESS	001	CB	00048	DM										D	
3MSS*PI534B	STM GEN LOOP3 PRESS	001	CB	00048	DM										D	
3MSS*PI535A	STM GEN LOOP3 PRESS	001	CB	00048	DM										D	
3MSS*PI536A	STM GEN LOOP3 PRESS	001	CB	00048	DM										D	
3MSS*PI544A	STM GEN LOOP4 PRESS	001	CB	00048	DM										D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM MSS - MAIN STEAM SYSTEM (FOSSIL AND NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3MSS*PI544B	STM GEN LOOP4 PRESS	001	CB	00048	DM											D	
3MSS*PI545A	STM GEN LOOP4 PRESS	001	CB	00048	DM											D	
3MSS*PI546A	STM GEN LOOP4 PRESS	001	CB	00048	DM											D	
ZS - SWITCH,POSITION																	
3MSS*ZS59	MN STM STOP VLV POS	001	TB	00065	EM											D	
3MSS*ZS60	MN STM STOP VLV POS	001	TB	00065	EM											D	
3MSS*ZS61	MN STM STOP VLV POS	001	TB	00065	EM											D	
3MSS*ZS62	MN STM STOP VLV POS	001	TB	00065	EM											D	

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PROJECT EQUIPMENT SYSTEM
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM PGS - PRIMARY GRADE WATER - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS / DYN.	OTHER REQ'D / INPUT (ZPA)	LOADS: ANLYS	TEST	QUAL METH: TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SNEC EQUIPMENT																
CV - VALVE,CONTAINMENT ISOLATION, (WESTINGHOUSE)																
3PGS*CV8028	CONTAINMENT ISOL		CS	00012	DM	Y	N	3G	S	NA	NA			33+		A
	FISHER	FQP-22-4			NA											
	667NS-ES	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
3PGS*CV8046	CNTNMNT ISOL		CS	00015	DM	Y	N	3G	S	NA	NA			33+		A
	FISHER	FQP-22-4			NA											
	667NS-ES	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
SV - VALVE;SOLENOID,(WESTINGHOUSE)																
3PGS*SV8028	CNTNMNT ISOL		AB	00012	EM	Y	N	3G	N	SF	SD			35+		A
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3PGS*SV8046	CNTNMNT ISOL		CS	00015	EM	Y	N	3G	N	SF	SD			35+		A
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM QSS - QUENCH SPRAY SYSTEM (CONTAINMENT)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT																	
TK - TANK																	
3QSS*TK2	REFUEL WATER CHEM ADD TK		OY	00024	CF	Y	N	.34.24	S	SF	SD		55+	55+	55+	A	
	P X ENG	12179-IA-179			NA												
	473-3	022			ASME SECT III,CL2												
TK - TANK																	
3QSS*TK1	REFUEL WATER STORAGE TANK		OY	00024	CF	Y	Y	.34.24	S	SF	MD		3.56	3.56	3.56	A	
	RICHMOND	12179-IE-514			FSAR FIG.3.7B-1&2												
	D74415-2A	023			ASME SECT III,CL2												
P - PUMP																	
3QSS*P3A	QUENCH SPRAY PUMP		ESB	00021	CF	Y	Y	.23.12	D	SF	MD		20+	20+	20+	A	Y
	GE.CO.	ME-243			NS(B)-010-REV 0B												
	3415 S	040			ASME III,CL2												
	G.E.	HORIZONTAL 8288S															
3QSS*P3B	QUENCH SPRAY PUMP		ESB	00021	CF	Y	Y	.23.12	D	SF	MD		20+	20+	20+	A	Y
	GE.CO.	ME-243			NN(B)-010-REV 0B												
	3415 S	040			ASME III,CL2												
	G.E.	HORIZONTAL 8288S															
MOV - VALVE,MOTOR OPERATED																	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM QSS - QUENCH SPRAY SYSTEM (CONTAINMENT)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	STATUS INS
3QSS*MOV29A	REFUEL WTR CHEM ADD TK DISCHG		OY	00024	DM	Y	N	3G	S	NA	NA		33+		A	Y
	WALWORTH	ADSR-4			NA											
	D-51736	153			ASME III,CL2											
	LIMITORQUE OPERATOR	SMB-00-10														
3QSS*MOV29B	REFUEL WTR CHEM ADD TK DISCHG		OY	00024	DM	Y	N	3G	S	NA	NA		33+		A	Y
	WALWORTH	ADSR-4			NA											
	D-51736	153			ASME III,CL2											
	LIMITORQUE OPERATOR	SMB-00-10														

MOV - VALVE,MOTOR OPERATED

3QSS*MOV34A	QUENCH SPRAY HDR ISOL		ESB	00021	DM	Y	N	3G	S	NA	NA		33+		A	Y
	HENRY PRATT	D-0057-1,3,4,5			NA											
	NMK II	164			ASME III,CL2											
	LIMITORQUE OPERATOR	SMB-00-2														
3QSS*MOV34B	QUENCH SPRAY HDR ISOL		ESB	00021	DM	Y	N	3G	S	NA	NA		33+		A	Y
	HENRY PRATT	D-0057-1,3,4,5			NA											
	NMK II	164			ASME III,CL2											
	LIMITORQUE OPERATOR	SMB-00-2														
3QSS*MOV44A	QSS PUMP DISCH		ESB	00021	DM	Y	N	3G	S	NA	NA		33+		A	Y
	HENRY PRATT	D-0057-13			NA											
	NMK II	164			ASME III,CL2											
	LIMITORQUE OPERATOR	SMB-00-5														
3QSS*MOV44B	QSS PUMP DISCH		ESB	00021	DM	Y	N	3G	S	NA	NA		33+		A	Y
	HENRY PRATT	D-0057-13			NA											
	NMK II	164			ASME III,CL2											
	LIMITORQUE OPERATOR	SMB-00-5														

AOV - VALVE,AIR OPERATED

REPORT NO. HSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM QSS - QUENCH SPRAY SYSTEM (CONTAINMENT)

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3QSS*AOV27	REFUEL WTR RECRC PMP FISHER 7811 NAMCO LIMIT SWITCH	SUCT ISOL 8K144-01 185 EA 180	OY	00028	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+			A	Y
3QSS*AOV28	REFUEL WTR RECRC PMP FISHER 7811 NAMCO LIMIT SWITCH	SUCT 8K144-01 185 EA 180	OY	00028	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+			A	Y
SOV - VALVE,SOLENOID																	
3QSS*SOV27	REFUEL WTR RECRC PMP FISHER ASCO SOLENOID	SUCT ISOL AQR-67368 185 NPK 8320	OY	00028	EM NA IEEE 323,344,382	Y	N	3G	N	SF	SD		35+			A	Y
3QSS*SOV28	REFUEL WTR RECRC PMP FISHER ASCO SOLENOID	SUCT AQR-67368 185 NPK 8320	OY	00028	EM NA IEEE 323,344,382	Y	N	3G	N	SF	SD		35+			A	Y
LI - INDICATOR,LEVEL																	
3QSS*LI930A	REFUEL WTR STOR TK LVL INT'L INST 1151VB	15880,REV 2 246	CB	00048	CM NS(B)-017 REV 1B IEEE 323	Y	N	.40.15	N	MF	MD	NA	NA	NA		A	
3QSS*LI931A	REFUEL WTR STOR TK LVL INT'L INST 1151VB	15880,REV 2 246	CB	00048	CM NS(B)-017 REV 1B IEEE 323	Y	N	.40.15	N	MF	MD	NA	NA	NA		A	
LS - SWITCH,LEVEL																	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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MASTER LIST OF SAFETY RELATED EQUIPMENT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM QSS - QUENCH SPRAY SYSTEM (CONTAINMENT)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3QSS*LS54A	REFUEL WTR STOR TK LVL AUTOMATIC SWITCH CO SB31AKRTD30A32BRX ASCO PRESSURE SWITCH	 626 SB31AKR/TD30A32BRX	ESB 00004	RM NS(B)-010 REV 0B IEEE 323-1974&IEEE 344-1975	Y	N	.23.12							D	Y
3QSS*LS54B	REFUEL WTR STOR TK LVL AUTOMATIC SWITCH CO SB31AKRTD30A32BRX ASCO PRESSURE SWITCH	 626 SB31AKR/TD30A32BRX	ESB 00005	RM NS(B)-010 REV 0B IEEE 323-1974&IEEE 344-1975	Y	N	.23.12							D	Y
3QSS*LS54C	REFUEL WTR STOR TK LVL AUTOMATIC SWITCH CO SB31AKRTD30A32BRX ASCO PRESSURE SWITCH	 626 SB31AKR/TD30A32BRX	ESB 00005	RM NS(B)-010 REV 0B IEEE 323-1974&IEEE 344-1975	Y	N	.23.12							D	Y
3QSS*LS54D	REFUEL WTR STOR TK LVL AUTOMATIC SWITCH CO SB31AKRTD30A32BRX ASCO PRESSURE SWITCH	 626 SB31AKR/TD30A32BRX	ESB 00005	RM NS(B)-010 REV 0B IEEE 323-1974&IEEE 344-1975	Y	N	.23.12							D	
3QSS*LS55A	REFUEL WTR STOR TK LVL AUTOMATIC SWITCH CO SB21AKRTE20A32BRX ASCO PRESSURE SWITCH	 AQR-10183 R.O 626 SB21AKR/TE20A32BRX	ESB 00005	RM NS(B)-010 REV 0B IEEE 323-1974&IEEE 344-1975	Y	N	.23.12	N	SF	SD	40+	40+	40+	A	
3QSS*LS55B	REFUEL WTR STOR TK LVL AUTOMATIC SWITCH CO SB21AKRTE20A32BRX ASCO PRESSURE SWITCH	 AQR-10183 R.O 626 SB21AKR/TE20A32BRX	ESB 00005	RM NS(B)-010 REV 0B IEEE 323-1974&IEEE 344-1975	Y	N	.23.12	N	SF	SD	40+	40+	40+	A	
3QSS*LS55C	REFUEL WTR STOR TK LVL AUTOMATIC SWITCH CO SB21AKRTE20A32BRX ASCO PRESSURE SWITCH	 AQR-10183 R.O 626 SB21AKR/TE20A32BRX	ESB 00005	RM NS(B)-010 REV 0B IEEE 323-1974&IEEE 344-1975	Y	N	.23.12	N	SF	SD	40+	40+	40+	A	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM QSS - QUENCH SPRAY SYSTEM (CONTAINMENT)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG	RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	TNS
3QSS*LS55D	REFUEL WTR STOR TK LVL		ESB	00005	RM		Y	N	.23.12	N	SF	SD		40+	40+	40+	A	
	AUTOMATIC SWITCH CO	AQR-10183 R.O				NS(B)-010 REV 0B												
	SB21AKRTE20A32BRX	626				IEEE 323-1974&IEEE 344-1975												
	ASCO PRESSURE SWITCH	SB21AKR/TE20A32BRX																
3QSS*LS56A	REFUEL WTR STOR TK LVL		ESB	00004	RM		Y	N	.23.12	N	SF	SD		40+	40+	40+	A	Y
	AUTOMATIC SWITCH CO	AQR-10183 R.O				NS(B)-010 REV 0B												
	SB21AKRTE20A32BRX	626				IEEE 323-1974&IEEE 344-1975												
	ASCO PRESSURE SWITCH	SB21AKR/TE20A32BRX																
3QSS*LS56B	REFUEL WTR STOR TK LVL		ESB	00005	RM		Y	N	.23.12	N	SF	SD		40+	40+	40+	A	Y
	AUTOMATIC SWITCH CO	AQR-10183 R.O				NS(B)-010 REV 0B												
	SB21AKRTE20A32BRX	626				IEEE 323-1974&IEEE 344-1975												
	ASCO PRESSURE SWITCH	SB21AKR/TE20A32BRX																
3QSS*LS56C	REFUEL WTR STOR TK LVL		ESB	00005	RM		Y	N	.23.12	N	SF	SD		40+	40+	40+	A	Y
	AUTOMATIC SWITCH CO	AQR-10183 R.O				NS(B)-010 REV 0B												
	SB21AKRTE20A32BRX	626				IEEE 323-1974&IEEE 344-1975												
	ASCO PRESSURE SWITCH	SB21AKR/TE20A32BRX																
3QSS*LS56D	REFUEL WTR STOR TK LVL		ESB	00005	RM		Y	N	.23.12	N	SF	SD		40+	40+	40+	A	Y
	AUTOMATIC SWITCH CO	AQR-10183 R.O				NS(B)-010 REV 0B												
	SB21AKRTE20A32BRX	626				IEEE 323-1974&IEEE 344-1975												
	ASCO PRESSURE SWITCH	SB21AKR/TE20A32BRX																

LT - TRANSMITTER,LEVEL

3QSS*LT930	REFUEL WTR STOR TK LVL		ESB	00004	RM		Y	N	.20.12	N	MF	MD		50	47	50	A	Y
	ROSEMOUNT	108025				NS(B)-010 REV 0B												
	1153GB	662				IEEE-323,344												
	DIFF PRESSURE TRANSM	1153DB6PC																
3QSS*LT931	REFUEL WTR STOR TK LVL		ESB	00004	RM		Y	N	.20.12	N	MF	MD		50	47	50	A	Y
	ROSEMOUNT	108025				NS(B)-010 REV 0B												
	1153DB	662				IEEE-323,344												
	DIFF PRESSURE TRANSM	1153DB6PC																

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PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM QSS - QUENCH SPRAY SYSTEM (CONTAINMENT)

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	QUAL METH TEST	TEST FREQ DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3QSSWLT932	REFUEL WTR STOR TK LVL ROSEMOUNT 1153DB DIFF PRESSURE TRANSM	 108025 662 1153DB6PC	ESB	00004	RM NS(B)-010 REV 0B IEEE-323,344	Y	N	.20.12	N	MF	MD	50	47	50	A	Y
3QSSWLT933	REFUEL WTR STOR TK LVL ROSEMOUNT 1153DB DIFF PRESSURE TRANSM	 108025 662 1153DB6PC	ESB	00004	RM NS(B)-010 REV 0B IEEE-323,344	Y	N	.20.12	N	MF	MD	50	47	50	A	Y

NSSS EQUIPMENT

LI - INDICATOR,LEVEL

3QSSWLI930	REFUEL WTR STOR TK LVL 001		CB	00048	EM										D	
3QSSWLI931	REFUEL WTR STOR TK LVL 001		CB	00048	EM										D	
3QSSWLI932	REFUEL WTR STOR TK LVL 001		CB	00048	EM										D	
3QSSWLI933	REFUEL WTR STOR TK LVL 001		CB	00048	EM										D	

LR - RECORDER,LEVEL

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM QSS - QUENCH SPRAY SYSTEM (CONTAINMENT)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	LOADS: SEIS / OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3QSSWLR930	REFUEL WTR STOR TK LVL	001	CB 00048	EM									D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	SEIS / OTHER DYN.	REQ'D INPUT (ZPA)	LOADS: ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT															
AV - VALVE,ANALYZER;VALVE,AIR OPERATED,(WESTINGHOUSE)															
3RCS*AV8036B	CHS FILL HDR TO LOOP 2		CS 00012	DM										D	Y
PNL - PANEL															
3RCS*PNL10	BACK UP PEN BKR PRESS HTR CLR G.E.CO.		MRC 00024	3624										D	Y
	G.E.	120/140 VAC													
3RCS*PNL2P	240/120V 1PH AC DIST PNL CCB	46368-1		CM NS(B)-007,REV 0B IEEE 344	Y	N .27.16	N	MF	MD		11.5	15.5		A	
PI - INDICATOR,PRESSURE															
3RCS*PI49	WIDE RNG LOOP 4 PRESS	SQP-99X2087-A LATER	CS	CM NS(B)-017,REV 1B IEEE 344	Y	N .40.15	N	MF	MD		NA	NA	NA	C	
MV - VALVE,MOTOR OPERATED															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RES REF CODES	LOADS: SEIS DYN.	OTHER	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RCS*MV8000A	PZR RELIEF ISOL WALWORTH D-51741-4 LIMITORQUE OPERATOR	 ADSR-9 153 SMB-00-25	CS	00078	DM NA ASME III,CL2	Y		N	3G		S	NA	NA		33+		A	Y
3RCS*MV8000B	PZR RELIEF ISOL WALWORTH D-51741-4 LIMITORQUE OPERATOR	 ADSR-9 153 SMB-00-25	CS	00078	DM NA ASME III,CL2	Y		N	3G		S	NA	NA		33+		A	Y
AV - VALVE,ANALYZER;VALVE,AIR OPERATED,(WESTINGHOUSE)																	
3RCS*AV8032	RX VSL LKOFF TO RC DRNS FISHER 657NS-DBQNS NAMCO LIMIT SWITCH	 FQP-22-1B 185 EA 180	CS		DM NA ASME III,CL2	Y		N	3G		S	NA	NA		33+		A	
3RCS*AV8145	RX CLNT SYS SPRAY FISHER 667NS-DBQNS NAMCO LIMIT SWITCH	 FQP-22-1A 185 EA 180	CS	00005	DM NA ASME III,CL1	Y		N	3G		S	NA	NA		33+		A	
3RCS*AV8153	EXCESS LTDN LINE ISOL FISHER 667NS-DBQNS NAMCO LIMIT SWITCH	 FQP-22-1A 185 EA 180	CS	00007	DM NA ASME III,CL2	Y		N	3G		S	NA	NA		33+		A	Y
LCV - VALVE,CONTROL,LEVEL,SELF ACTUATED																	
3RCS*LCV459	PZR TK1 FISHER 667NS-ES NAMCO LIMIT SWITCH	 FQP-22-1A 185 EA 180	CS	00007	DM NA ASME III,CL2	Y		N	3G		S	NA	NA		33+		A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3RCS*LCV460	PZR TK1		CS		DM	Y	N	3G	S	NA	NA		33+		A	Y
	FISHER	FQP-22-1A			NA											
	667NS-ES	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
SOV - VALVE,SOLENOID																
3RCS*SOV459	PRESSURIZER TK1		CS		EM	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3RCS*SOV460	PRESSURIZER TK1		CS		EM	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
SV - VALVE;SOLENOID,(WESTINGHOUSE)																
3RCS*SV8032	RX VSL LHOFF TO RC DRNS		CS		EM	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3RCS*SV8145	RX CLT SYS SPRAY		CS		EM	Y	N	3G	N	SF	SD		35+		A	
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
3RCS*SV8153	EXCESS LTDN ISOL		CS	00007	EM	Y	N	3G	N	SF	SD		35+		A	Y
	FISHER	AQR-67368			NA											
		185			IEEE 323,344,382											
	ASCO SOLENOID	NPK 8320														
PI - INDICATOR,PRESSURE																

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	HTG / RRS REF / CODES	LOADS SEIS / DYN.	OTHER REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3RCS*PI50	WIDE RNG LOOP 4 PRESS	SQP-99X2087-A 245	CB		CM NS(B)-017 REV 1B IEEE 344	Y	N .40.15	N	MF	MD	NA	NA	NA	C	
PNL - PANEL															
3RCS*PNL10	240/120V 1PH AC DIST PNL GE CCB	46368-1 263	MRC 00024		CM NS(B)-007 REV 0B IEEE 344	Y	N .27.16	N	MF	MD	11.5	15.5		A	
3RCS*PNL20	BACK UP PEN BHR PRESS HTR CLR G.E.CO. G.E.	263 120/140 VAC	MRC 00024		3624									D	Y
PY - RELAY,COMPUTING,SELECTING OR BOOSTER,PRESSURE															
3RCS*PY49	WIDE RNG LOOP 1 PRESS	Q0AAB35 392	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N	N	MF	MD	NA	NA	NA	D	
3RCS*PY50	WIDE RNG LOOP 4 PRESS	Q0AAB35 392	CB		RM NS(B)-017 REV 1B IEEE 344,323	Y	N	N	MF	MD	NA	NA	NA	D	
TY - RELAY,COMPUTING,SELECTING OR BOOSTER,TEMPERATURE															

REPORT NO. MSSRT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ INS
3RCS*TY413S	WIDE RANGE LP 1 HOT LEG TEMP	Q0AAB50 392	CB		RM IEEE 344,323				N	HF	HD	NA	NA	NA	D
3RCS*TY413T	WIDE RANGE LP 1 HOT LEG TEMP	Q0AAB29 392	CB		RM IEEE 344,323				N	HF	HD	NA	NA	NA	D
3RCS*TY423S	WIDE RNG LOOP 2 HOT LEG TEMP	Q0AAB50 392	CB		RM IEEE 344,323				N	HF	HD	NA	NA	NA	D
3RCS*TY423T	WIDE RNG LOOP 2 HOT LEG TEMP	Q0AAB29 392	CB		RM IEEE 344,323				N	HF	HD	NA	NA	NA	D
3RCS*TY433B	WIDE RNG LP3 HOT LEG TEMP	392	CB		RM IEEE-344										D
3RCS*TY433T	WIDE RNG LOOP3 HOT LEG TEMP	Q0AAB29 392	CB		RM IEEE 344,323				N	HF	HD	NA	NA	NA	D
3RCS*TY443S	WIDE RNG LOOP4 HOT LEG TEMP	Q0AAB50 392	CB		RM IEEE 344,323				N	HF	HD	NA	NA	NA	D

REPORT NO. MSSQT.

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY MUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RPS REF CODES	LOADS SEIS DYN.	OTHER REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3RCSwTY943T	WIDE RNG LOOP4 HOT LEG TEMP	QOAAB29 392	CB		RM IEEE 344,323			N	MF	MD		NA	NA	NA	D	
FT - TRANSMITTER,FLOW																
3RCSwFT414	RC FLOW LOOP 1 WESTINGHOUSE 11530D HIGH DIFF PR TRNSMTR	D8300040 662 1153HDSPC	CS	00003	RM NS(B)-017 REV 1B IEEE-323,344	Y	N .33.20	N	MF	MD		38	38	60	A	Y
3RCSwFT415	RC FLOW LOOP 1 WESTINGHOUSE 11530D HIGH DIFF PR TRNSMTR	D8300040 662 1153HDSPC	CS	00003	RM NS(B)-017 REV 1B IEEE-323,344	Y	N .33.20	N	MF	MD		38	38	60	A	Y
3RCSwFT416	RC FLOW LOOP 1 WESTINGHOUSE 11530D HIGH DIFF PR TRNSMTR	D8300040 662 1153HDSPC	CS	00003	RM NS(B)-017 REV 1B IEEE-323,344	Y	N .33.20	N	MF	MD		38	38	60	A	Y
3RCSwFT424	RC FLOW LOOP 2 WESTINGHOUSE 11530D HIGH DIFF PR TRNSMTR	D8300040 662 1153HDSPC	CS	00003	RM NS(B)-017 REV 1B IEEE-323,344	Y	N .33.20	N	MF	MD		38	38	60	A	Y
3RCSwFT425	RC FLOW LOOP 2 WESTINGHOUSE 11530D HIGH DIFF PR TRNSMTR	D8300040 662 1153HDSPC	CS	00003	RM NS(B)- 17 REV 1B IEEE-323,344	Y	N .33.20	N	MF	MD		38	38	60	A	Y
3RCSwFT426	RC FLOW LOOP 2 WESTINGHOUSE 11530D HIGH DIFF PR TRNSMTR	D8300040 662 1153HDSPC	CS	00003	RM NS(B)-017 REV 1B IEEE-323,344	Y	N .33.20	N	MF	MD		38	38	60	A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	HTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RCSwFT434	RC FLOW LOOP 3		CS	00003	RM	Y	N	.33.20	N	MF	MD		38	38	60	A	Y
	WESTINGHOUSE	D8300040			NS(B)-017 REV 1B												
	1153DD	662			IEEE-323,344												
	HIGH DIFF PR TRNSMTR	1153HD5PC															
3RCSwFT435	RC FLOW LOOP 3		CS	00003	RM	Y	N	.33.20	N	MF	MD		38	38	60	A	Y
	WESTINGHOUSE	D8300040			NS(B)-017 REV 1B												
	1153DD	662			IEEE-323,344												
	HIGH DIFF PR TRNSMTR	1153HD5PC															
3RCSwFT436	RC FLOW LOOP 3		CS	00003	RM	Y	N	.33.20	N	MF	MD		38	38	60	A	Y
	WESTINGHOUSE	D8300040			NS(B)-017 REV 1B												
	1153DD	662			IEEE-323,344												
	HIGH DIFF PR TRNSMTR	1153HD5PC															
3RCSwFT444	RC FLOW LOOP 4		CS	00003	RM	Y	N	.33.20	N	MF	MD		38	38	60	A	Y
	WESTINGHOUSE	D8300040			NS(B)-017 REV 1B												
	1153DD	662			IEEE-323,344												
	HIGH DIFF PR TRNSMTR	1153HD5PC															
3RCSwFT445	RC FLOW LOOP 4		CS	00003	RM	Y	N	.33.20	N	MF	MD		38	38	60	A	Y
	WESTINGHOUSE	D8300040			NS(B)-017 REV 1B												
	1153DD	662			IEEE-323,344												
	HIGH DIFF PR TRNSMTR	1153HD5PC															
3RCSwFT446	RC FLOW LOOP 4		CS	00003	RM	Y	N	.33.20	N	MF	MD		38	38	60	A	Y
	WESTINGHOUSE	D8300040			NS(B)-017 REV 1B												
	1153DD	662			IEEE-323,344												
	HIGH DIFF PR TRNSMTR	1153HD5PC															

LT - TRANSMITTER,LEVEL

3RCSwLT460	PRESSURIZER TK1		CS	00003	RM	Y	N	.33.20	N	MF	MD		38	38	60	A	Y
	WESTINGHOUSE	D8300040			NS(B)-017 REV 1B												
	1153DD	662			IEEE-323,344												
	HIGH DIFF PR TRNSMTR	1153HD5PC															

REPORT NO. MSSRT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS / OTHER DYN.	FEQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RCS*LT461	PRESSURIZER TK1		CS	00003	RM	Y	N .33.20	N	MF	MD		38	38	60	A	Y
	WESTINGHOUSE	D8300040			NS(B)-017 REV 1B											
	1153DD	662			IEEE-323,344											
	HIGH DIFF PR TRNSMTR	1153HD5PC														
PT - TRANSMITTER,PRESSURE																
3RCS*PT403	WIDE RNG LOOP 4 HOT LEG		CS	00003	RM	Y	N .33.20	N	MF	MD		38	38	60	A	Y
	WESTINGHOUSE	D8300040			NS(B)-017 REV 1B											
	1153GD	662			IEEE-323,344											
	GUAGE PRSR TRANSMITR	1153GD9PC														
3RCS*PT457	PRESSUREIZER TK 1 PRESS		CS	00003	RM	Y	N .33.20	N	MF	MD		38	38	60	A	Y
	WESTINGHOUSE	D8300040			NS(B)-017 REV 1B											
	1153GD	662			IEEE-323,344											
	GUAGE PRSR TRANSMITR	1153GD9PC														
3RCS*PT458	PRESSURIZER TK1		CS	00003	RM	Y	N .33.20	N	MF	MD		38	38	60	A	Y
	WESTINGHOUSE	D8300040			NS(B)-017 REV 1B											
	1153GD	662			IEEE-323,344											
	GUAGE PRSR TRANSMITR	1153GD9PC														
TE - TEMPERATURE ELEMENT, PRIMARY																
3RCS*TE413C	WIDE RANGE LP 1 HOT LEG TEMP		CS	00018	DM	Y	N 3.0	N	MF	MD			33+		A	
	WEED INSTRUMENT CO	3035-00125-14			NA											
	0356-00125-024	683			IEEE 323,344											
	WEED RTD	612														
3RCS*TE423C	WIDE RNG LOOP 2 HOT LEG TEMP		CS	00018	DM	Y	N 3.0	N	MF	MD			33+		A	
	WEED INSTRUMENT CO	3035-00125-14			NA											
	0356-00125-024	683			IEEE 323,344											
	WEED RTD	612														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/1'/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG / RRS REF / CODES	ELEV	MTG	LOADS SEIS / DYN.	OTHER	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3RCS*TE433C	WIDE RNG LOOP3 HOT LEG TEMP WEED INSTRUMENT CO 0356-00125-024 WEED RTD	3035-00125-14 683 612	CS	00018	DM NA IEEE 323,344	Y	N	3.0	N	MF	MD		33+			A	
3RCS*TE443C	WIDE RNG LOOP4 HOT LEG TEMP WEED INSTRUMENT CO 0356-00125-024 WEED RTD	3035-00125-14 683 612	CS	00018	DM NA IEEE 323,344	Y	N	3.0	N	MF	MD		33+			A	

NSSS EQUIPMENT

AV - VALVE,ANALYZER;VALVE,AIR OPERATED,(WESTINGHOUSE)

3RCS*AV8036A	CHS FILL HDR TO LOOP 1	001	CS	00012	DM											D	Y
3RCS*AV8036C	CHS FILL HDR TO LOOP 3	001	CS	00012	DM											D	Y
3RCS*AV8036D	CHS FILL HDR TO LOOP 4	001	CS	00012	DM											D	Y
3RCS*AV8037A	LOOP 1 TO CHS LTDN DRN HDR	001	CS	00012	DM											D	Y

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DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RCS*AV8037B	LOOP 2 TO CHS LTDN DRN HDR	001			CS	00012	DM								D	Y
3RCS*AV8037C	LOOP 3 TO CHS LTDN DRN HDR	001			CS	00005	DM								D	Y
3RCS*AV8037D	LOOP 4 TO CHS LTDN DRN HDR	001			CS	00005	DM								D	Y

FIS - SWITCH,INDICATING,FLOW

3RCS*FIS418A	LOOP 1 STOP VALVE	001			CS	00003	EM								D	Y
3RCS*FIS418B	LOOP 1 STOP VALVE	001			CS	0003	EM								D	Y
3RCS*FIS428A	LOOP 2 STOP VALVE	001			CS	00003	EM								D	Y
3RCS*FIS428B	LOOP 2 STOP VALVE	001			CS	00003	EM								D	Y

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UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	HTG / RRS REF / CODES	LOADS: SEIS	OTHER / DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RCS*FIS438A	LOOP 3 STOP VALVE	001	CS	00003	EM											D	Y
3RCS*FIS438B	LOOP 3 STOP VALVE	001	CS	00003	EM											D	Y
3RCS*FIS448A	LOOP 4 STOP VALVE	001	CS	00003	EM											D	Y
3RCS*FIS448B	LOOP 4 STOP VALVE WESTINGHOUSE	001	CS	00003	EM											D	Y
H - HEATER																	
3RCS*H1A	PRESS HTR BU GROUP A WESTINGHOUSE	001	CS	00054	EM											D	Y
3RCS*H1B	PRESS HTR BU GROUP B WESTINGHOUSE	001	CS	00054												D	Y
3RCS-HTR-1	HEATER	001	CS	00026	DM											D	

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PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS DYN.	OTHER	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RCS-HTR-10	HEATER	001	CS	00026	DM											D	
3RCS-HTR-11	HEATER	001	CS	00026	DM											D	
3RCS-HTR-12	HEATER	001	CS	00026	DM											D	
3RCS-HTR-13	HEATER	001	CS	00026	DM											D	
3RCS-HTR-14	HEATER	001	CS	00026	DM											D	
3RCS-HTR-15	HEATER	001	CS	00026	DM											D	
3RCS-HTR-16	HEATER	001	CS	00026	DM											D	

JOB NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3RCS-HTR-17	HEATER	001	CS	00026	DM											D	
3RCS-HTR-18	HEATER	001	CS	00026	DM											D	
3RCS-HTR-19	HEATER	001	CS	00026	DM											D	
3RCS-HTR-2	HEATER	001	CS	00026	DM											D	
3RCS-HTR-20	HEATER	001	CS	00026	DM											D	
3RCS-HTR-21	HEATER	001	CS	00026	DM											D	
3RCS-HTR-22	HEATER	001	CS	00026	DM											D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS DYN.	LOADS: OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3RCS-HTR-23	HEATER	001	CS	00026	DM									D	Y
3RCS-HTR-24	HEATER	001	CS	00026	DM									D	Y
3RCS-HTR-25	HEATER	001	CS	00026	DM									D	
3RCS-HTR-26	HEATER	001	CS	00026	DM									D	
3RCS-HTR-27	HEATER	001	CS	00026	DM									D	
3RCS-HTR-28	HEATER	001	CS	00026	DM									D	Y
3RCS-HTR-29	HEATER	001	CS	00026	DM									D	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS DYN.	OTHER REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3RCS-HTR-3	HEATER	001	CS	00026	DM										D	
3RCS-HTR-30	HEATER	001	CS	00026	DM										D	
3RCS-HTR-31	HEATER	001	CS	00026	DM										D	
3RCS-HTR-32	HEATER	001	CS	00026	DM										D	
3RCS-HTR-33	HEATER	001	CS	00026	DM										D	Y
3RCS-HTR-34	HEATER	001	CS	00026	DM										D	Y
3RCS-HTR-35	HEATER	001	CS	00026	DM										D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RCS-HTR-36	HEATER	001	CS	00026	DM										D	
3RCS-HTR-37	HEATER	001	CS	00026	DM										D	
3RCS-HTR-38	HEATER	001	CS	00026	DM										D	Y
3RCS-HTR-39	HEATER	001	CS	00026	DM										D	Y
3RCS-HTR-4	HEATER	001	CS	00026	DM										D	
3RCS-HTR-40	HEATER	001	CS	00026	DM										D	
3RCS-HTR-41	HEATER	001	CS	00026	DM										D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3RCS-HTR-42	HEATER	001	CS	00026	DM										D	
3RCS-HTR-43	HEATER	001	CS	00026	DM										D	Y
3RCS-HTR-44	HEATER	001	CS	00026	DM										D	Y
3RCS-HTR-45	HEATER	001	CS	00026	DM										D	
3RCS-HTR-46	HEATER	001	CS	00026	DM										D	
3RCS-HTR-47	HEATER	001	CS	00026	DM										D	
3RCS-HTR-48	HEATER	001	CS	00026	DM										D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3RCS-HTR-49	HEATER	001	CS	00026	DM										D	Y
3RCS-HTR-5	HEATER	001	CS	00026	DM										D	
3RCS-HTR-50	HEATER	001	CS	00026	DM										D	Y
3RCS-HTR-51	HEATER	001	CS	00026	DM										D	Y
3RCS-HTR-52	HEATER	001	CS	00026	DM										D	Y
3RCS-HTR-53	HEATER	001	CS	00026	DM										D	
3RCS-HTR-54	HEATER	001	CS	00026	DM										D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3RCS-HTR-55	HEATER	001	CS	00026	DM										D	Y
3RCS-HTR-56	HEATER	001	CS	00026	DM										D	Y
3RCS-HTR-57	HEATER	001	CS	00026	DM										D	Y
3RCS-HTR-58	HEATER	001	CS	00026	DM										D	Y
3RCS-HTR-59	HEATER	001	CS	00026	DM										D	
3RCS-HTR-6	HEATER	001	CS	00026	DM										D	
3RCS-HTR-60	HEATER	001	CS	00026	DM										D	

REPORT NO. HSSQT1

PROJECT EQUIPMENT SYSTEM
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RCS-HTR-61	HEATER	001	CS	00026	DM											D	Y
3RCS-HTR-62	HEATER	001	CS	00026	DM											D	Y
3RCS-HTR-63	HEATER	001	CS	00026	DM											D	Y
3RCS-HTR-64	HEATER	001	CS	00026	DM											D	Y
3RCS-HTR-65	HEATER	001	CS	00026	DM											D	
3RCS-HTR-66	HEATER	001	CS	00026	DM											D	
3RCS-HTR-67	HEATER	001	CS	00026	DM											D	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: HTG RRS REF CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3RCS-HTR-68	HEATER	001	CS	00026	DM										D	Y
3RCS-HTR-69	HEATER	001	CS	00026	DM										D	Y
3RCS-HTR-7	HEATER	001	CS	00026	DM										D	
3RCS-HTR-70	HEATER	001	CS	00026	DM										D	Y
3RCS-HTR-71	HEATER	001	CS	00026	DM										D	
3RCS-HTR-72	HEATER	001	CS	00026	DM										D	
3RCS-HTR-73	HEATER	001	CS	00026	DM										D	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RCS-HTR-74	HEATER	001	CS	00026	DM											D	Y
3RCS-HTR-75	HEATER	001	CS	00026	DM											D	Y
3RCS-HTR-76	HEATER	001	CS	00026	DM											D	Y
3RCS-HTR-77	HEATER	001	CS	00026	DM											D	
3RCS-HTR-78	HEATER	001	CS	00026	DM											D	
3RCS-HTR-8	HEATER	001	CS	00026	DM											D	
3RCS-HTR-9	HEATER	001	CS	00026	DM											D	

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DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	HTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3RCS-H1C	PRESS HTR CONT GROUP C	001	CS	00054	DM						ASME III				D	Y
3RCS-H1D	PRESS HTR BU GROUP D	001	CS	00054	DM										D	Y
3RCS-H1E	PRESS HTR BU GROUP E	001	CS	00054	DM										D	Y
HCV - VALVE,CONTROL,HAND																
3RCS*HCV442A	REACTOR VESSEL VENT VV	001	CB	-0024	DM										D	
3RCS*HCV442B	REACTOR VESSEL VENT VV	001	CB	-0024	DM										D	
LI - INDICATOR,LEVEL																
3RCS*LI460A	PZR TK1	001	CB		EM										D	

REPORT NO. MSSQT1

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG / RRS REF / CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ	DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3RCS*LI461	PZR TK1	001	CB		EM											D	
LT - TRANSMITTER,LEVEL																	
3RCS*LT459	PRESSURIZER TK1 WESTINGHOUSE	W-001 001	CS	00003	EM IEEE 344	Y	N	2.1	S	NA	NA	*	33+			A	Y
MV - VALVE,MOTOR OPERATED																	
3RCS*MV8001A	RX CLNT LOOP 1 HOT LEG STOP	W-001 001	CS	00028	DM ASME III	Y	Y	2.1	S	NA	NA	*	33+			A	Y
3RCS*MV8001B	RX CLNT LOOP 2 HOT LEG STOP	W-001 001	CS	00028	DM ASME III	Y	Y	2.1	S	NA	NA	*	33+			A	Y
3RCS*MV8001C	RX CLNT LOOP 3 HOT LEG STOP	W-001 001	CS	00028	DM ASME III	Y	Y	2.1	S	NA	NA	*	33+			A	Y
3RCS*MV8001D	RX CLNT LOOP 4 HOT LEG STOP	W-001 001	CS	00028	DM ASME III	Y	Y	21.1	S	NA	NA	*	33+			A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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DOCKET NO. 50-423

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3RCS*MV8002A	RX CLNT LOOP 1 COLD LEG STOP	W-001 001	CS	00028	DM ASME III	Y	Y	2.1	S	NA	NA	*	33+		A	Y
3RCS*MV8002B	RX CLNT LOOP 2 COLD LEG STOP	W-001 001	CS	00028	DM ASME III	Y	Y	2.1	S	NA	NA	*	33+		A	Y
3RCS*MV8002C	RX CLNT LOOP 3 COLD LEG STOP	W-001 001	CS	00028	DM ASME III	Y	Y	2.1	S	NA	NA	*	33+		A	Y
3RCS*MV8002D	RX CLNT LOOP 4 COLD LEG STOP	W-001 001	CS	00028	DM ASME III	Y	Y	2.1	S	NA	NA	*	33+		A	Y
3RCS*MV8003A	RX CLNT LOOP 1 BYP LEG STOP	001	CS	00034	DM ASME III										D	Y
3RCS*MV8003B	RX CLNT LOOP 2 BYP LEG STOP	001	CS	00034	DM										D	Y
3RCS*MV8003C	RX CLNT LOOP 3 BYP LEG STOP	001	CS	00034	DM										D	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3RCS*MV8003D	RX CLNT LOOP 4 BYP LEG STOP	001	CS	00034	DM										D	Y
3RCS*MV8098	REACTOR VESSEL TO EXCESS LTDN WESTINGHOUSE	001	CS	00010	DM										D	Y
P - PUMP																
3RCS*P1A	REACTOR COOLANT PUMP A WESTINGHOUSE	W-001 001	CS	00030	CF ASME III	Y	Y		S	NA	NA	*	33+		A	Y
3RCS*P1B	REACTOR COOLANT PUMP B WESTINGHOUSE	W-001 001	CS	00030	CF ASME III	Y	Y		S	NA	NA	*	33+		A	Y
3RCS*P1C	REACTOR COOLANT PUMP C WESTINGHOUSE	W-001 001	CS	00030	CF ASME III	Y	Y		S	NA	NA	*	33+		A	Y
3RCS*P1D	REACTOR COOLANT PUMP D WESTINGHOUSE	W-001 001	CS	00030	CF ASME III	Y	Y		S	NA	NA	*	33+		A	
PCV - VALVE,CONTROL,PRESSURE,SELF ACTUATED																

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
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DOCKET NO. 50-423

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG / RRS REF / CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3RCS*PCV455A	PZR PRESS CONT WESTINGHOUSE	001	CS	00076	DM *											D	
3RCS*PCV455B	PZR PRESS CONT WESTINGHOUSE	001	CS	00053	DM											D	
3RCS*PCV455C	PZR PRESS CONT WESTINGHOUSE	001	CS	00053	DM											D	
3RCS*PCV456	PZR POWER RELIEF WESTINGHOUSE GARRET SOLENOID & LS	001	CS	00075	DM											D	
PT - TRANSMITTER,PRESSURE																	
3RCS*PT405	WIDE RNG LOOP 1 HOT LEG WESTINGHOUSE 115360	D8300040 001	CS	00003	RM NS(B)-017 REV 1B IEEE-323,344	Y	N	.33.20	N	MF	MD	38	38	60	A	Y
3RCS*PT455	PZR PRESS CONT WESTINGHOUSE	W-001 001	CS	00003	EM	Y	N	2.1	S	NA	NA	*	33+		A	Y
3RCS*PT456	PZR POWER RELIEF WESTINGHOUSE	W-001 001	CS	00003	EM	Y	N	2.1	S	NA	NA	*	33+		A	Y

REPORT NO. MSSQ11

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
RAK - RACK,STORAGE STAND																
3RCS*RAKSTVA	PROCESS PROTECTION RACK WESTINGHOUSE WESTINGHOUSE	001	CB	00047 CF											D	Y
3RCS*RAKSTVB	PROCESS PROTECTION RACK WESTINGHOUSE WESTINGHOUSE	001	CB	00047 CF											D	Y
RV - VALVE,RELIEF																
3RCS*RV1	REACTOR VESSEL	W-001 001	CS	00024 CF		Y	Y		S	NA	NA	*	33+		A	Y
SG - STEAM GENERATOR																
3RCS*SG1A	STEAM GENERATOR	W-001 001	CS	00075 CF		Y	Y		S	NA	NA	*	33+		A	Y
3RCS*SG1B	STEAM GENERATOR	W-001 001	CS	00075 CF		Y	Y		S	NA	NA	*	33+		A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RCS*SG1C	STEAM GENERATOR	W-001 001	CS	00075	CF	Y	Y		S	NA	NA	*	33+		A	Y
3RCS*SG1D	STEAM GENERATOR	W-001 001	CS	00075	CF	Y	Y		S	NA	NA	*	33+		A	Y
SV - VALVE;SOLENOID,(WESTINGHOUSE)																
3RCS*SV8010A	PZR SAFETY VALVE	W-001 001	CS	00077	EM IEEE 344	Y	N	2.1	S	NA	NA	*	33+		D	
3RCS*SV8010B	PZR SAFETY VALVE	W-001 001	CS	00077	EM IEEE 344	Y	N	2.1	S	NA	NA	*	33+		D	
3RCS*SV8010C	PZR SAFETY VALVE	W-001 001	CS	00077	EM IEEE 344	Y	N	2.1	S	NA	NA	*	33+		D	
3RCS*SV8095A	REAC VESSEL HEAP VENT ISOL V WESTINGHOUSE MAG. REED SOLE. & LS	W-001 001	CS	00056	EM IEEE 344	Y	N	2.1	S	NA	NA	*	33+		D	Y
3RCS*SV8095B	REAC VESSEL HEAP VENT ISOL V WESTINGHOUSE MAG. REED SOLE. & LS	W-001 001	CS	00053	EM IEEE 344	Y	N	2.1	S	NA	NA	*	33+		D	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC	MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RCS*SV8096A	REAC VESSEL HEAP VENT ISOL V WESTINGHOUSE MAG. REED SOLE. & LS	W-001 001		CS	00056	EM IEEE 344	Y	N	2.1	S	NA	NA	*	33+		D	Y
3RCS*SV8096B	REAC VESSEL HEAP VENT ISOL V WESTINGHOUSE MAG. REED SOLE. & LS	W-001 001		CS	00053	EM IEEE 344	Y	N	2.1	S	NA	NA	*	33+		D	Y

TD - TEMPERATURE DAMPER

3RCS-TD/400	REACTOR HEAD VENT TO PRT	001		CS		DM										D	
3RCS-TD/450	PRESSURIZER SURGE LINE TEMP	001		CS		DM										D	
3RCS-TD/451	PRESSURIZER SPRAY LINE TEMP	001		CS		DM										D	
3RCS-TD/452	PRESSURIZER SPRAY LINE TEMP	001		CS		DM										D	
3RCS-TD/453	PRESSURIZER TEMP	001		CS		DM										D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS / DYN.	OTHER REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3RCS-TD/468	PRESSURIZER RELIEF TANK	001	CS		DM									D	

TE - TEMPERATURE ELEMENT, PRIMARY

3RCS*TE410A	LOOP 1 HOT LEG WESTINGHOUSE	001	CS EM	00021	EM *									D	
3RCS*TE410B	LOOP 1 COLD LEG WESTINGHOUSE	001	CS EM	00020	EM									D	
3RCS*TE411A	LOOP 1 HOT LEG WESTINGHOUSE	001	CS EM	00021	EM									D	
3RCS*TE411B	LOOP 1 COLD LEG WESTINGHOUSE	001	CS EM	00020	EM									D	
3RCS*TE413B	WIDE RANGE LP1 COLD LEG WESTINGHOUSE	001	CS EM	00018	EM									D	
3RCS*TE420A	LOOP 2 HOT LEG WESTINGHOUSE	001	CS	00021	EM									D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RCS*TE420B	LOOP 2 COLD LEG WESTINGHOUSE	001	CS	00020	EM											D	
3RCS*TE421A	LOOP 2 HOT LEG WESTINGHOUSE	001	CS	00021	EM											D	
3RCS*TE421B	LOOP 2 COLD LEG WESTINGHOUSE	001	CS	00020	EM											D	
3RCS*TE423B	WIDE RNG LOOP2 COLD LEG WESTINGHOUSE	001	CS	00018	EM											D	
3RCS*TE430A	LOOP 3 HOT LEG WESTINGHOUSE	001	CS	00021	EM											D	
3RCS*TE430B	LOOP3 COLD L WESTINGHOUSE	001	CS	00020	EM											D	
3RCS*TE431A	LOOP 3 HOT LEG WESTINGHOUSE	001	CS	00021	EM											D	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RPS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RCS*TE431B	LOOP 3 COLD LEG WESTINGHOUSE	001	CS	00020	EM										D	
3RCS*TE433B	WIDE RING LOOP 3 COLD LEG WESTINGHOUSE	001	CS	00018	EM										D	
3RCS*TE440A	LOOP 4 HOT LEG WESTINGHOUSE	001	CS	00021	EM										D	
3RCS*TE440B	LOOP 4 COLD LEG WESTINGHOUSE	001	CS	00020	EM										D	
3RCS*TE441A	LOOP 4 HOT LEG WESTINGHOUSE	001	CS	00021	EM										D	
3RCS*TE441B	LOOP 4 COLD LEG WESTINGHOUSE	001	CS	00020	EM										D	
3RCS*TE443B	WIDE RANG LOOP 4 COLD LEG WESTINGHOUSE	001	CS	00018	EM										D	

TK - TANK

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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RE RT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RCS - REACTOR COOLANT (PRI LOOP) - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3RCS*TK1	PRESSURIZER WESTINGHOUSE	W-001 001	CS	00024	CF ASME III	Y	Y		S	NA	NA	*	33+		A	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RHS - RESIDUAL HEAT REMOVAL-SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT																	
FCV - VALVE,CONTROL,FLOW,SELF ACTUATED																	
3RHS*FCV618	RES HX E1A BYP		ESB	00004	DM	Y	N	3G	S	NA	NA		33+			A	Y
		8K143-03			NA												
	7620	185			IEEE 323,344,382												
3RHS*FCV619	RES HX E1B BYP		ESB	00004	DM	Y	N	3G	S	NA	NA		33+			A	Y
		8K143-04			NA												
	7620	185			ASME III,CL2												
HCV - VALVE,CONTROL,HAND																	
3RHS*HCV606	RES HX E1A FLOW CONT		ESB	00004	DM	Y	N	3G	S	NA	NA		33+			A	Y
		8K143-01			NA												
	7620	185			ASME III,CL2												
3RHS*HCV607	RHS HX E1B FLOW CONT		ESB	00004	DM	Y	N	3G	S	NA	NA		33+			A	Y
		8K143-02			NA												
	7620	185			ASME III,CL2												
RV - VALVE,RELIEF																	
3RHS*RV37A	ISOL VLV THERMAL RELIEF		CS	00012	DM	Y	N	3G	S	SF	SD		33+			A	Y
		407487-REV.5			NA												
	LCT-14/34	186			ASME III,CL2												

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RHS - RESIDUAL HEAT REMOVAL-SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	TEST FREQ	TEST DIR	F/B	S/S	VERT	STATUS SQ	STATUS INS
3RHS*RV37B	ISOL VLV THERMAL RELIEF		CS	00012	DM	Y	N	3G	S	SF	SD		33+		A	Y
		407487-REV.5			NA											
	LCT-14/S4	186			ASME III,CL2											
3RHS*RV8708A	RHR PMP SUCTION		CS	00012	DM	Y	N	3G	S	SF	SD		33+		A	Y
		407487-REV.5			NA											
	DB-50L/S4	186			ASME III,CL2											
3RHS*RV8708B	RHR PMP SUCTION		CS	00012	DM	Y	N	3G	S	SF	SD		33+		A	Y
		407487-REV.5			NA											
	DB-50L/S4	186			ASME III,CL2											
MV - VALVE,MOTOR OPERATED																
3RHS*MV8701A	RHS INLET ISOL VALVE		CS	00012	DM	Y	N	3G	S	NA	NA		33+		A	Y
	WESTINGHOUSE	SR008-2			NA											
	12GM88 SNH	468			ASME III,CL2											
	LIMITORQUE OPERATOR	SBD-3														
3RHS*MV8701C	RHS INLET ISOL VALVE		CS	00020	DM	Y	N	3G	S	NA	NA		33+		A	Y
	WESTINGHOUSE	SR008-2			NA											
	12GM88 SNH	468			ASME III,CL2											
	LIMITORQUE OPERATOR	SBD-3														
3RHS*MV8702B	RHS INLET ISOL VALVE		CS	00012	DM	Y	N	3G	S	NA	NA		33+		A	Y
	WESTINGHOUSE	SR008-2			NA											
	12GM88 SNH	468			ASME III,CL2											
	LIMITORQUE OPERATOR	SBD-3														
3RHS*MV8702C	RHS INLET ISOL VALVE		CS	00020	DM	Y	N	3G	S	NA	NA		33+		A	Y
	WESTINGHOUSE	SR008-2			NA											
	12GM88 SNH	468			ASME III,CL2											
	LIMITORQUE OPERATOR	SBD-3														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RHS - RESIDUAL HEAT REMOVAL-SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
FT - TRANSMITTER,FLOW																	
3RHS*FT618	RES HX E1A BYP		ESB	00021	RM	Y	N	.24.12	N	MF	MD		50	47	50	A	
	ROSEMOUNT	108025			NS(B)-010 REV B												
	1153DB	662			IEEE-323,344												
	DIFF PRSSR TRANSMITR	1153DB5PC															
MV - VALVE,MOTOR OPERATED																	
3RHS*MV8701B	RHS INLET ISOL VALVE		ESB	00007	DM	Y	N	3G	S	NA	NA			33+		A	Y
	PACIFIC VALVE	FA-5594			NA												
	G55509	676			ASME III,CL2												
	LIMITORQUE/NAMCO 180	SB-1-40															
3RHS*MV8702A	RHS INLET ISOL VALVE		ESB	00007	DM	Y	N	3G	S	NA	NA			33+		A	Y
	PACIFIC VALVE	FA-5595			NA												
	G55509	676			ASME III,CL2												
	LIMITORQUE/NAMCO 180	SB-1-40															
3RHS*MV8716A	X-CONN ISOLATION		ESB	00021	DM	Y	N	3G	S	NA	NA			33+		A	Y
	PACIFIC VALVE	FA-5595			NA												
	G55509	676			ASME III,CL2												
	LIMITORQUE OPERATOR	SB-1-40															
3RHS*MV8716B	X-CONN ISOLATION		ESB	00021	DM	Y	N	3G	S	NA	NA			33+		A	Y
	PACIFIC VALVE	FA-5595			NA												
	G55509	676			ASME III,CL2												
	LIMITORQUE OPERATOR	SB-1-40															

NSSS EQUIPMENT

E - EXCHANGER,HEAT

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RHS - RESIDUAL HEAT REMOVAL-SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	LOADS: ANLYS	TEST FREQ	TEST DIR	QUAL METH: F/B	S/S	NAT FREQS: VERT	STATUS: SQ	INS
3RHS*E1A	RESIDUAL HEAT REMOVAL HT EXCH WESTINGHOUSE	W-001 001	ESB	00036	CF ASME III	Y	N	1.5.75	S	NA	NA	*	33+		A	Y
3RHS*E1B	RESIDUAL HEAT REMOVAL HT EXCH WESTINGHOUSE	W-001 001	ESB	00036	CF ASME III	Y	N	1.5.75	S	NA	NA	*	33+		A	Y
3RHS*E2A	RHR PUMP SEAL COOLER WESTINGHOUSE	001	ESB	00004	CF *										D	Y
3RHS*E2B	RHR PUMP SEAL COOLER WESTINGHOUSE	001	ESB	00004	CF										D	
FIS - SWITCH,INDICATING,FLOW																
3RHS*FIS610	RHR PMP P1A MIN FLO RECIRC	001	ESB	00021	EM										D	Y
3RHS*FIS611	RHR PMP P1B MIN FLO RECIRC	001	ESB	00004	EM										D	Y
P - PUMP																

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM RHS - RESIDUAL HEAT REMOVAL-SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	LOCATION: MTG RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3RHS*P1A	RESID.HT.REMOVAL PUMP A WESTINGHOUSE	W-001 001	ESB 00004	CF ASME III	Y	N	2.1	S	NA	NA	*	33+		A	Y
3RHS*P1B	RESID.HT.REMOVAL PUMP B WESTINGHOUSE	W-001 001	ESB 00004	CF ASME III	Y	N	2.1	S	NA	NA	*	33+		A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RMS - RADIATION MONITORING - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT																
RAK - RACK,STORAGE STAND																
3RMS*RAK1A	IE CABINET #1		CB	00047	CF	Y	N	.40.15				40+	23.9	40+	B	Y
	KAMAN SCIENCES	K-84-50/K-84-46			NS(B)-017 REV 0B											
	450638-001	624			IEEE-323,344											
	KAMAN	KMA-1														
3RMS*RAK1B	IE CABINET #2		CB	00047	CF	Y	N	.40.15				40+	23.9	40+	B	Y
	KAMAN SCIENCES	K-84-50/K-84-46			NS(B)-017 REV 1B											
	450638-002	624			IEEE-323,344											
	KAMAN	KMA-1														
RE - RADIOACTIVITY ELEMENT, PRIMARY																
3RMS*RE04	CONT HR INTERNAL		CS	00056	CW	Y	N	.65.30							D	Y
	KAMAN SCIENCES	K-84-50/57654-1			NS(B)-025 REV 1B											
	952629-006	624			IEEE-323,344											
	KAMAN	KMA-HR														
3RMS*RE05	CONT HR INTERNAL		CS	00056	CW	Y	N	.65.30							D	Y
	KAMAN SCIENCES	K-84-50/57654-1			NS(B)-025 REV 1B											
	952629-006	624			IEEE-323,344											
	KAMAN	KMA-HR														
3RMS*RE26	RHR CUBICLE A HIGH RANGE		ESB	00004	CW	Y	N	.23.12							D	
	KAMAN SCIENCES	K-84-50/57654-1			NS(B)-010 REV 0B											
	952629-009	624			IEEE-323,344											
	KAMAN	KMA-100														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RMS - RADIATION MONITORING - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RMS*RE27	RHR CUBICLE B HIGH RANGE		ESB	00004	CH	Y	N	.23.12							D	
	KAMAN SCIENCES	K-84-50/57654-1			NS(B)-010 REV 0B											
	952629-009	624			IEEE-323,344											
	KAMAN	KMA-100														
3RMS*RE30	FUEL TRANSER CANAL		FB	00052	CH	Y	N	.48.18							D	
	KAMAN SCIENCES	K-84-50/57654-1			NS(B)-074 REV 1B											
	952629-009	624			IEEE-323,344											
	KAMAN	KMA-100														
3RMS*RE39	PERS ACCESS HATCH		AB	00024	CH	Y	N	.32.18							D	Y
	KAMAN SCIENCES	K-84-50/57654-1			NS(B)-007 REV 0E											
	952629-009	624			IEEE-323,344											
	KAMAN	KMA-100														
3RMS*RE40	EQUIP ACCESS HATCH		HRB	00052	CH	Y	N	.50.15							D	
	KAMAN SCIENCES	K-84-50/57654-1			NS(T)-077 REV 0B											
	952629-009	624			IEEE 323,IEEE 344											
	KAMAN	KMA-100														
3RMS*RE41	FUEL DROP MONITOR		CS	00071	DM	Y	N	.65.30							D	Y
	KAMAN SCIENCES	K-84-50/57654-1			NS(B)-025 REV 1B											
	952629-007	624			IEEE 323,IEEE 344											
	KAMAN	KMA-HR														
3RMS*RE42	FUEL DROP MONITOR		CS	00071	DM	Y	N	.65.30							D	Y
	KAMAN SCIENCES	K-84-50/57654-1			NS(B)-025 REV 1B											
	952629-007	624			IEEE 323,IEEE 344											
	KAMAN	KMA-HR														
3RMS*RE43	AUX BLDG PENETRATION AREA		AB	00004	CH	Y	N	.27.16							D	
	KAMAN SCIENCES	K-84-50/57654-1			NS(B)-007 REV 0B											
	952629-009	624			IEEE 323,IEEE 344											
	KAMAN	KMA-100														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RMS - RADIATION MONITORING - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	HTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RMSwRE44	CONT PURGE PENET AREA		AB	00066	CW	Y	N	.56.20								D	
	KAMAN SCIENCES	K-84-50/57654-1			NS(B)-007 REV 0B												
	952629-009	624			IEEE 323,IEEE 344												
	KAMAN	KMA-100															
3RMSwRE45	RSS CUBICLE A		ESB	-0010	CW	Y	N	.20.12								D	
	KAMAN SCIENCES	K-84-50/57654-1			NS(B)-010 REV 0B												
	952629-009	624			IEEE 323,IEEE 344												
	KAMAN	KMA-100															
3RMSwRE46	RSS CUBICLE B		ESB	-0010	CW	Y	N	.20.12								D	
	KAMAN SCIENCES	K-84-50/57654-1			NS(B)-010 REV 0B												
	952629-009	624			IEEE 323,IEEE 344												
	KAMAN	KMA-100															
3RMSwRE47	TURBINE PP STM SUPPLY		ESB	00021	CW	Y	N	.32.13								D	
	KAMAN SCIENCES	K-84-50/57654-1			NS(B)-010 REV 0B												
	952629-009	624			IEEE 323,IEEE 344												
	KAMAN	KMA-100															
3RMSwRE48	MS FDWTR PENETRATION AREA		MSV	00049	CW	Y	N	.48.16								D	
	KAMAN SCIENCES	K-84-50/57654-1			NS(B)-070 REV 0B												
	952629-009	624			IEEE 323,IEEE 344												
	KAMAN	KMA-100															
3RMSwRE49	MS FDWTR PENETRATION AREA		MSV	00049	CW	Y	N	.48.16								D	
	KAMAN SCIENCES	K-84-50/57654-1			NS(B)-070 REV 0B												
	952629-009	624			IEEE 323,IEEE 344												
	KAMAN	KMA-100															
3RMSwRE50	RECOMBINER CUBICLE A		HRB	00024	CW	Y	N	.23.13								D	
	KAMAN SCIENCES	K-84-50/57654-1			NS(T)-077 REV 0B												
	952629-009	624			IEEE 323,IEEE 344												
	KAMAN	KMA-100															

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RMS - RADIATION MONITORING - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RMS*RE51	RECOMBINER CUBICLE B KAMAN SCIENCES 952629-009 KAMAN	 K-84-50/57654-1 624 KMA-100	HRB 00024	CW NS(T)-077 REV 0B IEEE 323,IEEE 344	Y		N	.23.13							D
3RMS*RE52	RECOMBINER CONTROL ROOM KAMAN SCIENCES 952629-009 KAMAN	 K-84-50/57654-1 624 KMA-100	HRB 00024	CW NS(T)-077 REV 0B IEEE 323,IEEE 344	Y		N	.23.13							D
3RMS*RE53	RECOMBINER SAMPLE ROOM KAMAN SCIENCES 952629-009 KAMAN	 K-84-50/57654-1 624 KMA-100	HRB 00024	CW NS(T)-077 REV 0B IEEE 323,IEEE 344	Y		N	.23.13							D
3RMS*RE54	MCC AREA A KAMAN SCIENCES 952629-009 KAMAN	 K-84-50/57654-1 624 KMA-100	MRC 00024	CW NS(B)-007 REV 0B IEEE 323,IEEE 344	Y		N	.32.18							D
3RMS*RE55	MCC AREA B KAMAN SCIENCES 952629-009 KAMAN	 K-84-50/57654-1 624 KMA-100	MRC 00045	CW NS(B)-007 REV 0B IEEE 323,IEEE 344	Y		N	.41.18							D
3RMS*RE56	MCC AREA C KAMAN SCIENCES 952629-009 KAMAN	 K-84-50/57654-1 624 KMA-100	MRC 00024	CW NS(B)-007 REV 0B IEEE 323,IEEE 344	Y		N	.32.18							D

RIY - RADIATION INDICATING RELAY

3RMS*RIY04	REMOTE MICROPROCESSOR KAMAN SCIENCES KEM-S(450953-001) KAMAN	 K-84-50/16683-8 624 KMA-HR	MRC 00024	CW NS(B)-007 REV 0B IEEE 323,IEEE 344	Y		N	.32.18	N	MF	MD	24.0	24.0	28.0	D	Y

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DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RMS - RADIATION MONITORING - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTC / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RMS*RIY05	REMOTE MICROPROCESSOR KAMAN SCIENCES KEM-S(450953-001) KAMAN	 K-84-50/16683-8 624 KMA-HR	MRC	00024	CW NS(B)-007 REV 0B IEEE 323,IEEE 344	Y	N	.32.18	N	MF	MD		24.0	24.0	28.0	D	Y
3RMS*RIY26	REMOTE MICROPROCESSOR KAMAN KEM-S(450953-011) KAMAN	 K-84-50/16683-8 624 KMA-100	ESB	00036	CW NS(B)-010 REV 0B IEEE 323,IEEE 344	Y	N	.40.14	N	MF	MD		24.0	24.0	28.0	D	
3RMS*RIY27	REMOTE MICROPROCESSOR KAMAN KEM-S(450953-011) KAMAN	 K-84-50/16683-8 624 KMA-100	ESB	00036	CW NS(B)-010 REV 0B IEEE 323,IEEE 344	Y	N	.40.14	N	MF	MD		24.0	24.0	28.0	D	
3RMS*RIY30	REMOTE MICROPROCESSOR KAMAN KEM-S(450953-011) KAMAN	 K-84-50/16683-8 624 KMA-100	FB	00024	CW NS(B)-074 REV 1B IEEE 323,IEEE 344	Y	N	.25.15	N	MF	MD		24.0	24.0	28.0	D	
3RMS*RIY39	REMOTE MICROPROCESSOR KAMAN KEM-S(450953-011) KAMAN	 K-84-50/16683-8 624 KMA-100	AB	00043	CW NS(B)-007 REV 0B IEEE 323,IEEE 344	Y	N	.41.18	N	MF	MD		24.0	24.0	28.0	D	
3RMS*RIY40	REMOTE MICROPROCESSOR KAMAN KEM-S(450953-011) KAMAN	 K-84-50/16683-8 624 KMA-100	HRB	00024	CW NS(T)-077 REV 0B IEEE 323,IEEE 344	Y	N	.23.13	N	MF	MD		24.0	24.0	28.0	D	
3RMS*RIY41	REMOTE MICROPROCESSOR KAMAN KEM-S(450953-001) KAMAN	 K-84-50/16683-8 624 KMA-HR	MRC	00024	CW NS(B)-007 REV 0B IEEE 323,IEEE 344	Y	N	.32.18	N	MF	MD		24.0	24.0	28.0	D	Y

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RMS - RADIATION MONITORING - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RMS*RIY42	REMOTE MICROPROCESSOR KAMAN KEM-S(450953-001) KAMAN	K-84-50/16683-8 624	MRC	00024	CW NS(B)-007 REV 0B IEEE 323,IEEE 344	Y	N	.32.18	N	MF	MD		24.0	24.0	28.0	D	Y
3RMS*RIY43	REMOTE MICROPROCESSOR KAMAN KEM-S(450953-011) KAMAN	K-84-50/16683-8 624 KMA-100	AB	00043	CW NS(B)-007 REV 0B IEEE 323,IEEE 344	Y	N	.41.18	N	MF	MD		24.0	24.0	28.0	D	
3RMS*RIY44	REMOTE MICROPROCESSOR KAMAN KEM-S(450953-011) KAMAN	K-84-50/16683-8 624 KMA-100	MRC	00043	CW NS(B)-007 REV 0B IEEE 323,IEEE 344	Y	N	.41.18	N	MF	MD		24.0	24.0	28.0	D	
3RMS*RIY45	REMOTE MICROPROCESSOR KAMAN KEM-S(450953-011) KAMAN	K-84-50/16683-8 624 KMA-100	ESB	00036	CW NS(B)-010 REV 0B IEEE 323,IEEE 344	Y	N	.40.14	N	MF	MD		24.0	24.0	28.0	D	
3RMS*RIY46	REMOTE MICROPROCESSOR KAMAN KEM-S(450953-011) KAMAN	K-84-50/16683-8 624 KMA-100	ESB	00036	CW NS(B)-010 REV 0B IEEE 323,IEEE 344	Y	N	.40.14	N	MF	MD		24.0	24.0	28.0	D	
3RMS*RIY47	REMOTE MICROPROCESSOR KAMAN KEM-S(450953-011) KAMAN	K-84-50/16683-8 624 KMA-100	ESB	00036	CW NS(B)-010 REV 0B IEEE 323,IEEE 344	Y	N	.40.14	N	MF	MD		24.0	24.0	28.0	D	
3RMS*RIY48	REMOTE MICROPROCESSOR KAMAN KEM-S(450953-011) KAMAN	K-84-50/16683-8 624 KMA-100	MSV	00024	CW NS(B)-070 REV 0B IEEE 323,IEEE 344	Y	N	.25.13	N	MF	MD		24.0	24.0	28.0	D	

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PROJECT EQUIPMENT SYSTEM
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYS RMS - RADIATION MONITORING - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG	RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RMS*RIY49	REMOTE MICROPROCESSOR		MSV	00024	CW		Y	N	.25.13	N	MF	MD		24.0	24.0	28.0	D	
	KAMAN	K-84-50/16683-8				NS(B)-070 REV 0B												
	KEM-S(450953-011)	624				IEEE 323,IEEE 344												
	KAMAN	KMA-100																
3RMS*RIY50	REMOTE MICROPROCESSOR		HRB	00024	CW		Y	N	.23.13	N	MF	MD		24.0	24.0	28.0	D	
	KAMAN	K-84-50/16683-8				NS(T)-077 REV 0B												
	KEM-S(450953-011)	624				IEEE 323,IEEE 344												
	KAMAN	KMA-100																
3RMS*RIY51	REMOTE MICROPROCESSOR		HRB	00024	CW		Y	N	.23.13	N	MF	MD		24.0	24.0	28.0	D	
	KAMAN	K-84-50/16683-8				NS(T)-077 REV 0B												
	KEM-S(450953-011)	624				IEEE 323,IEEE 344												
	KAMAN	KMA-100																
3RMS*RIY52	REMOTE MICROPROCESSOR		HRB	00024	CW		Y	N	.23.13	N	MF	MD		24.0	24.0	28.0	D	
	KAMAN	K-84-50/16683-8				NS(T)-077 REV 0B												
	KEM-S(450953-011)	624				IEEE 323,IEEE 344												
	KAMAN	KMA-100																
3RMS*RIY53	REMOTE MICROPROCESSOR		HRB	00024	CW		Y	N	.23.13	N	MF	MD		24.0	24.0	28.0	D	
	KAMAN	K-84-50/16683-8				NS(T)-077 REV 0B												
	KEM-S(450953-011)	624				IEEE 323,IEEE 344												
	KAMAN	KMA-100																
3RMS*RIY54	REMOTE MICROPROCESSOR		MRC	00045	CW		Y	N	.41.18	N	MF	MD		24.0	24.0	28.0	D	
	KAMAN	K-84-50/16683-8				NS(B)-007 REV 0B												
	KEM-S(450953-011)	624				IEEE 323,IEEE 344												
	KAMAN	KMA-100																
3RMS*RIY55	REMOTE MICROPROCESSOR		MRC	00045	CW		Y	N	.41.18	N	MF	MD		24.0	24.0	28.0	D	
	KAMAN	K-84-50/16683-8				NS(B)-007 REV 0B												
	KEM-S(450953-011)	624				IEEE 323,IEEE 344												
	KAMAN	KMA-100																

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RMS - RADIATION MONITORING - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	LOADS: ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RMS*RIY56	REMOTE MICROPROCESSOR		AB	00043	CH	Y	N	.41.18	N	MF	MD		24.0	24.0	28.0		D
	KAMAN	K-84-50/16683-8			NS(B)-007 REV 0B												
	KEM-S(450953-011)	624			IEEE 323,IEEE 344												
	KAMAN	KMA-100															

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM RPS - REACTOR PROTECTION - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS / DYN.	LOADS: OTHER	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
SWEC EQUIPMENT																
JB - BOX,JUNCTION																
3RPS*PNLESCA	DIESEL GENERATOR SEQUENCE PNL		CB	00047	PM	Y	N	.40.15	N	MF	MD	12.6	5.9	40+	A	Y
	VITRO LABS	2404.01				CF										
					IEEE 344											
	VITRO LABS															
3RPS*PNLESCB	DIESEL GENERATOR SEQUENCE PNL		CB	00047	CF	Y	N	.40.15	N	MF	MD	12.6	5.9	40+	A	Y
	VITRO LABS	2404.01			NS(B)-017 REV 1B											
					IEEE 344											
	VITRO LABS															
JB - BOX,JUNCTION																
3RPS*PNLAS	AUX SHUTDOWN PNL		CB	00004	CF	Y	N	.40.15	S	NA	NA	25+	25+	25+	A	Y
	SYSTEMS CONTROL	16825-82N,REV 0			NS(B)-017 REV 1B											
	3RPS*PNLAS	246			IEEE 344											
RAK - RACK,STORAGE STAND																
3RPS*RAKOTXA			CB	00047	CF	Y	N	.40.15	S	NA	NA	25+	25+	25+	A	Y
	SYSTEMS CONTROLS	16825-82N,REV 0			NS(B)-017 REV 1B											
	3RPS*RAKOTXA	246			IEEE 344											
3RPS*RAKOTXB			CB	00047	CF	Y	N	.40.15	S	NA	NA	25+	25+	25+	A	Y
	SYSTEMS CONTROLS	16825-82N,REV 0			NS(B)-017 REV 1B											
	3RPS*RAKOTXA	246			IEEE 344											

REPORT NO. LSSQT1

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PLANT NAME NILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RPS - REACTOR PROTECTION - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
NSSS EQUIPMENT																
SWG - SWITCHGEAR																
3RPS*SWG1	REACTOR TRIP SWITCHGEAR WESTINGHOUSE	001	AB	00045	DM *										D	Y
3RPS*SWG2	REACTOR TRIP SWITCHGEAR WESTINGHOUSE	001	AB	00045	DM										D	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RSS - CONTAINMENT RECIRCULATION SPRAY - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	LOADS: ANLYS	QUAL METH: TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT																
AAA - RESERVED																
3RSS*SOV50A	SSP CNTMT RECIRC VV		ESB		DM	Y	N	3G	S	NA	NA		33+		A	
		3040			NA											
	1041220-2				ASME III,CL2											
3RSS*SOV50B	SSP CNTMT RECIRC VV		ESB		DM	Y	N	3G	S	NA	NA		33+		A	
		3040			NA											
	1041220-2				ASME III,CL3											
E - EXCHANGER,HEAT																
3RSS*E1A	CONTN RECIRC COOLER		ESB	00036	CF	Y	Y	0.65G	S	SF	MD	33+	33+	33+	A	Y
	JOSEPH OAT	TM-332			NM(B)-010-REV 0B											
	J-2227-1A	020			ASME III,CL2											
3RSS*E1B	CONTN RECIRC COOLER		ESB	00036	CF	Y	Y	0.65G	S	SF	MD	33+	33+	33+	A	Y
	JOSEPH OAT	TM-332			NM(B)-010-REV 0B											
	J-2227-1B	020			ASME III,CL2											
3RSS*E1C	CONTN RECIRC COOLER		ESB	00036	CF	Y	Y	0.65G	S	SF	MD	33+	33+	33+	A	Y
	JOSEPH OAT	TM-332			NM(B)-010-REV 0B											
	J-2227-1C	020			ASME III,CL2											

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PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RSS - CONTAINMENT RECIRCULATION SPRAY - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3RSS*E1D	CONTN RECIRC COOLER		ESB	00036	CF	Y	Y	0.65G	S	SF	MD	33+	33+	33+	A	
	JOSEPH OAT	TM-332			NM(B)-010-REV 0B											
	J-2227-1D	020			ASME III,CL2											
P - PUMP																
3RSS*P1A	CONTNMT.RECIRC.PUMP		ESB	00021	CW	Y	N	.40.30	S	NA	NA	33+	33+	33+	A	Y
	BINGHAM-WILLAMETT CO	14210106-03			NS(B)-025,REV 1B											
	10X12X20 BC-VR	044			ASME III,CL 2											
	WESTINGHOUSE	500 H.P.														
3RSS*P1B	CONTNMT.RECIRC.PUMP		ESB	00021	CW	Y	N	.40.30	S	NA	NA	33+	33+	33+	A	Y
	BINGHAM-WILLIAMETTE	14210106-03			NS(B)-025,REV 1B											
	10X12X20 BC-VR	044			ASME III,CL 2											
	WESTINGHOUSE	500 H.P.														
3RSS*P1C	CONTNMT.RECIRC.PUMP		ESB	00021	CW	Y	N	.40.30	S	NA	NA	33+	33+	33+	A	Y
	BINGHAM-WILLIAMETTE	14210106-03			NS(B)-025,REV 1B											
	10X12X20 BC-VR	044			ASME III,CL 2											
	WESTINGHOUSE	500 H.P.														
3RSS*P1D	CONTNMT.RECIRC.PUMP		ESB	0002[illegible]	CW	Y	N	.40.30	S	NA	NA	33+	33+	33+	A	Y
	BINGHAM-WILLIAMETTE	14210106-03			[illegible](B)-025,REV 1B											
	10X12X20 BC-VR	044			ASM[illegible] III,CL 2											
	WESTINGHOUSE	500 H.P.														
MOV - VALVE,MOTOR OPERATED																
3RSS*MOV20A	CONT RECIRC WTR SPRAY HDR ISO		ESB	00015	DM	Y	N	3G	S	NA	NA		33+		A	Y
	HENRY PRATT	D-0057-2			NA											
	NMK II	164			ASME III,CL2											
	LIMITORQUE OPERATOR	SMB-00-2														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RSS - CONTAINMENT RECIRCULATION SPRAY - SYSTEN

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	HTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RSS*MOV20B	CONT RECIRC WTR SPRAY HDR ISO HENRY PRATT NMK II LIMITORQUE OPERATOR	 D-0057-2 164 SMB-00-2	ESB 00015	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3RSS*MOV20C	CONT RECIRC WTR SPRAY HDR ISO HENRY PRATT NMK II LIMITORQUE OPERATOR	 D-0057-2 164 SMB-00-2	ESB 00015	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3RSS*MOV20D	CONT RECIRC WTR SPRAY HDR ISO HENRY PRATT NMK II LIMITORQUE OPERATOR	 D-0057-2 164 SMB-00-2	ESB 00015	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3RSS*MOV23A	BUTTERFLY VALVE HNERY PRATT NMK II LIMITORQUE OPERATOR	 D-0057-3 164 SMB-00-2	ESB 00044	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3RSS*MOV23B	BUTTERFLY VALVE HENRY PRATT NMK II LIMITORQUE OPERATOR	 D-0057-3 164 SMB-00-2	ESB 00040	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3RSS*MOV23C	CONT RECIRC PMP SUCT ISOL HENRY PRATT NMK II LIMITORQUE OPERATOR	 D-0057-3 164 SMB-00-2	ESB 00040	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3RSS*MOV23D	CONT RECIRC PMP SUCT ISOL HENRY PRATT NMK II LIMITORQUE OPERATOR	 D-0057-3 164 SMB-00-2	ESB 00040	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y

LI - INDICATOR,LEVEL

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PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RSS - CONTAINMENT RECIRCULATION SPRAY - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ INS
3RSS*LI22A	CONTAINMENT STRUCT SUMP	SQP-99X2087-A	CB		CM NS(B)-017 REV 1B	Y	N	.40.15	N	MF	MD	NA	NA	NA	C
	INT'L INST 1151VB	245			IEEE 344 & NUREG 0800										
3RSS*LI22B	CONTAINMENT STRUCT SUMP	SQP-99X2087-A	CB		CM NS(B)-017 REV 1B	Y	N	.40.15	N	MF	MD	NA	NA	NA	C
	INT'L INST 1151VB	245			IEEE 344 & NUREG 0800										

PI - INDICATOR,PRESSURE

3RSS*PI25A	CONT RECIRC PMP DISCHG	SQP-99X2087-A	CB		CM NS(B)-017 REV 1B	Y	N	.40.15	N	MF	MD	NA	NA	NA	C
	INT'L INST 1151VB	245			IEEE 344 & NUREG 0800										
3RSS*PI25B	CONT RECIRC PMP DISCHG	SQP-99X2087-A	CB		CM NS(B)-017 REV 1B	Y	N	.40.15	N	MF	MD	NA	NA	NA	C
	INT'L INST 1151VB	245			IEEE 344 & NUREG 0800										
3RSS*PI25C	CONT RECIRC PMP DISCHG	SQP-99X2087-A	CB		CM NS(B)-017 REV 1B	Y	N	.40.15	N	MF	MD	NA	NA	NA	C
	INT'L INST 1151VB	245			IEEE 344 & NUREG 0800										
3RSS*PI25D	CONT RECIRC PMP DISCHG	SQP-99X2087-A	CB		CM NS(B)-017 REV 1B	Y	N	.40.15	N	MF	MD	NA	NA	NA	C
	INT'L INST 1151VB	245			IEEE 344 & NUREG 0800										

FIS - SWITCH,INDICATING,FLOW

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UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RSS - CONTAINMENT RECIRCULATION SPRAY - SYSTEM

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	LOADS ANLYS	QUAL METH TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3RSS*FIS38A	RSS RECIRC MINI FLOW		ESB	00036	RH	Y	N	.50.15	N	MF	MD			42	A	
	ITT BARTON	R3-580A-9			NS(B)-017 REV 1B											
	199/581A-1	377			IEEE-323,344											
	ITT BARTON	199/581A-1														
3RSS*FIS38B	RSS RECIRC MINI FLOW		ESB	00036	RM	Y	N	.32.13	N	MF	MD			42	A	
	ITT BARTON	R3-580A-9			NS(B)-010 REV 0B											
	199/581A-1	377			IEEE-323,344											
	ITT BARTON	199/581A-1														
LR - RECORDER,LEVEL																
3RSS*LR22	CONTAINMENT STRUCT SUMP		CB		RM				N	MF	MD				A	
	FOXBORO	QOAAA14														
	N-226S-16	392			IEEE 344,323											
	ELECTRONIC RECORDERS	N-226S-16														
LY - RELAY,LEVEL,COMPUTING,SELECTING OR BOOSTER																
3RSS*LY22	CONTAINMENT STRUCT SUMP		CB		RM				N	MF	MD	NA	NA	NA	D	
	FOXBORO	QOAAB18														
	N-2AX+DIO	392			IEEE 344,323											
	DISTRIBUTION MODULE	N-2AX+DIO														
3RSS*LY22A	CONTAINMENT STRUCT SUMP		CB		RM				N	MF	MD	NA	NA	NA	C	
	FOXBORO	QOAAB35														
	N-2AI-I2V	392			IEEE 344,323											
	I/E CONVERTER	N-2AI-I2V														
3RSS*LY22B	CONTAINMENT STRUCT SUMP		CB		RM				N	MF	MD	NA	NA	NA	C	
	FOXBORO	QOAAB35														
	N-2AI-I2V	392			IEEE 344,323											
	I/E CONVERTER	N-2AI-I2V														
P - RELAY,COMPUTING,SELECTING OR BOOSTER,PRESSURE																

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UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RSS - CONTAINMENT RECIRCULATION SPRAY - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RSS*PY25A	CONT RECIRC PMP DISCH		CB		RM				N	MF	MD		NA	NA	NA	D	
	FOXBORO	QOAAB35															
	N-1AI-I2V	392			IEEE 344,323												
	I/E CONVERTER	N-1AI-I2V															
3RSS*PY25B	CONT RECIRC PMP DISCH		CB		RM				N	MF	MD		NA	NA	NA	D	
	FOXBORO	QOAAB35															
	N-1AI-I2V	392			IEEE 344,323												
	I/E CONVERTER	N-1AI-I2V															
3RSS*PY25C	CONT RECIRC PMP DISCH		CB		RM				N	MF	MD		NA	NA	NA	D	
	FOXBORO	QOAAB35															
	N-1AI-I2V	392			IEEE 344,323												
	I/E CONVERTER	N-1AI-I2V															
3RSS*PY25D	CONT RECIRC PMP DISCH		CB		RM				N	MF	MD		NA	NA	NA	D	
	FOXBORO	QOAAB35															
	N-1AI-I2V	392			IEEE 344,323												
	I/E CONVERTER	N-1AI-I2V															
PT - TRANSMITTER,PRESSURE																	
3RSS*PT25A	CNTMNT RECIRC PMP DISCH		ESB	00004	RM	Y	N	.20.12	N	MF	MD		50	47	50	A	Y
	ROSEMOUNT	108025			NS(B)-010 REV B												
	1153GB	662			IEEE-323,344												
	GUAGE PRSSR TRANSMTR	1153GB7PC															
3RSS*PT25B	CNTMNT RECIRC PMP DISCH		ESB	00004	RM	Y	N	.20.12	N	MF	MD		50	47	50	A	Y
	ROSEMOUNT	108025			NS(B)-010 REV B												
	1153GB	662			IEEE-323,344												
	GUAGE PRSSR TRANSMTR	1153GB7PC															
3RSS*PT25C	CNTMNT RECIRC PMP DISCH		ESB	00004	RM	Y	N	.20.12	N	MF	MD		50	47	50	A	Y
	ROSEMOUNT	108025			NS(B)-010 REV B												
	1153GB	662			IEEE-323,344												
	GUAGE PRSSR TRANSMTR	1153GB7PC															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RSS - CONTAINMENT RECIRCULATION SPRAY - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	LOADS: ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3RSS*PT25D	CNTMNT RECIRC PMP DISCH		ESB	00004	RM	Y	N	.20.12	N	MF	MD		50	47	50	A	Y
	ROSEMOUNT	108025			NS(B)-010 REV B												
	1153GB	662			IEEE-323,344												
	GUAGE PRSSR TRANSMTR	1153GB7PC															
MOV - VALVE,MOTOR OPERATED																	
3RSS*MOV38A	RSS RECIRC MINI FLOW		ESB	00006	DM	Y	N	3G	S	NA	NA			33+		A	Y
	PACIFIC VALVE	FA-5597			NA												
	350	676			ASME III,CL2												
	LIMITORQUE OPERATOR	SMB-000-5															
3RSS*MOV38B	RSS RECIRC MINI FLOW		ESB	00006	DM	Y	N	3G	S	NA	NA			33+		A	Y
	PACIFIC VALVE	FA-5597			NA												
	350	676			ASME III,CL2												
	LIMITORQUE OPERATOR	SMB-000-5															
MV - VALVE,MOTOR OPERATED																	
3RSS*MV8837A	RSS TO RHR XCONN		ESB	00012	DM	Y	N	3G	S	NA	NA			33+		A	Y
	PACIFIC VALVE	FA-5590			NA												
	G55509-7	676			ASME III,CL2												
	LIMITORQUE/NAMCO 180	SB-0-15															
3RSS*MV8837B	RSS TO RHR XCONN		ESB	00012	DM	Y	N	3G	S	NA	NA			33+		A	Y
	PACIFIC VALVE	FA-5590			NA												
	G55509-7	676			ASME III,CL2												
	LIMITORQUE/NAMCO 180	SB-0-15															
3RSS*MV8838A	RSS TO RHR XCONN		ESB	00012	DM	Y	N	3G	S	NA	NA			33+		A	Y
	PACIFIC VALVE	FA-5590			NA												
	G55509-7	676			ASME III,CL2												
	LIMITORQUE/NAMCO 180	SB-0-15															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM RSS - CONTAINMENT RECIRCULATION SPRAY - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS / OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	NAT FREQS: TEST FREQ	NAT FREQS: DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3RSS*MV8838B	RSS TO RHR XCONN PACIFIC VALVE G55509-7 LIMITORQUE/NAMCO 180	 FA-5590 676 SB-0-15	ESB 00012	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y

REPORT NO. HSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

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

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG / RRS REF / CODES	LOADS SEIS / DYN.	OTHER REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
SWEC EQUIPMENT															
PNL - PANEL															
3SCV*PNLR1O	240/120V 1PH AC DIST PNL OR				CW	Y	N	.25.15	N	MF	MD	11.5	15.5	A	Y
	G. E. CO	46368-1			NS(B)-017 REV 1B										
	CCB				IEEE 344										
	G. E. CO	120/240V AC													
PNL - PANEL															
3SCV*PNLH2A	208/120V 3PH DIST PNL		CB	00004	CW	Y	N	.25.15	N	MF	MD	11.5	15.5	A	I
	G.E.CO.	46368-1			NS(B)-017 REV 1B										
	CCB	263			IEEE 344										
	G.E.	120/208V AC													
3SCV*PNLH2B	208/120V 3PH DIST PNL		CB	00004	CW	Y	N	.25.15	N	MF	MD	11.5	15.5	A	I
	G.E.CO.	46368-1			NS(B)-017 REV 1B										
	CCB	263			IEEE 344										
	G.E.	120/208V AC													
3SCV*PNLR1P	240/120V 1PH AC DIST PNL PU		CB	00004	CW	Y	N	.25.15	N	MF	MD	11.5	15.5	A	Y
	G.E.CO.	46368-1			NS(B)-017 REV 1B										
	CCB	263			IEEE 344										
	G.E.	120/240V AC													
3SCV*PNLR1O			CB	00004	CW	Y	N	.25.15	N	MF	MD	11.5	15.5	A	Y
	G.E.CO.	46368-1			NS(B)-017,REV 1B										
	CCB	263			IEEE-344										
	G.E.	120/240 V AC													

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PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

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

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3SCVwPNL1O	240/120V 1PH AC DIST GEN ELECTRIC CCB	PNL OR 46368-1 263	CB	00047	F NS(B)-017 REV 1B IEEE 344	Y	N	.40.15	N	MF	MD		11.5	15.5		A	Y
3SCVwPNL1P	240/120V 1PH AC DIST G.E.CO. CCB G.E.	PNL PUR 46368-1 263 120/240V AC	CB	00047	CF NS(B)-017 REV 1B IEEE 344	Y	N	.40.15	N	MF	MD		11.5	15.5		A	Y
3SCVwPNL10O	240/120V 1PH AC DIST G. E. CO CCB G. E. CO	PNL OR 46368-1 263 120/240V AC	ESB	00036	CW NS(B)-010 REV.0B IEEE 344	Y	N	.27.16	N	MF	MD		11.5	15.5		A	Y
3SCVwPNL10P	240/120V 1PH AC DIST G.E.CO. CCB G.E.	PNL PU 46368-1 263 120/240V AC	ESB	00036	CW NS(B)-010 REV.0B IEEE 344	Y	N	.32.13	N	MF	MD		11.5	15.5		A	Y
3SCVwPNL11P	240/120V 1PH AC DIST G.E.CO. CCB G.E.	PNL PUR 46368-1 263 120/240V AC	ESB	00036	CW NS(B)-010-REV 0B IEEE 344	Y	N	.32.13	N	MF	MD		11.5	15.5		A	Y
3SCVwPNL24O	240/120V 1PH AC DIST G. E. CO CCB G. E. CO	PNL OR 46368-1 263 120/240V AC	CSP	00014	CW NS(B)-044 REV 2B IEEE 344	Y	N	.40.16	N	MF	MD		11.5	15.5		A	Y
3SCVwPNL24P	240/120V 1PH AC DIST G. E. CO CCB G. E. CO	PNL PU 46368-1 263 120/240V AC	CSP	00014	CW NS(B)-044 REV 2B IEEE 344	Y	N	.40.16	N	MF	MD		11.5	15.5		A	Y

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PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

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

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	TEST	TEST FREQ	DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3SCVwPNL25O	240/120 1PH AC DIST PNL OR G. E. CO CCB G. E. CO	46368-1 263 120/240V AC	EGE	00024	CW NS(B)-069 REV 0B IEEE 344	Y	N	.32.15	N	MF	MD		11.5	15.5		A	Y
3SCVwPNL25P	240/120 1PH AC DIST PNL PUR G. E. CO CCB G. E. CO	46368-1 263 120/240V AC	EGE	00024	CW NS(B)-069 REV 0B IEEE 344	Y	N	.32.15	N	MF	MD		11.5	15.5		A	Y
3SCVwPNL5O	240/120V 1PH AC DIST PNL OR G. E. CO CCB G. E. CO	46368-1 263 120/240V AC	MRC	00024	CF NS(B)-007 REV 0B IEEE 344	Y	N	.27.16	N	MF	MD		11.5	15.5		A	I
3SCVwPNL5P	240/120V 1PH AC DIST PNL PU G.E.CO. CCB G.E.	46368-1 263 120/240V AC	MRC	00024	CW NS(B)-007 REV.0B IEEE 344	Y	N	.27.16	N	MF	MD		11.5	15.5		A	I
3SCVwPNL9O	240/120 1PH AC DIST PNL OR GE CCB G. E. CO	46368-1 263 120/240V AC	MRC	00024	CW NS(B)-007 REV.0B IEEE 344	Y	N	.27.16	N	MF	MD		11.5	15.5		A	Y
3SCVwPNL9P	240/120 1PH AC DIST PNL PUR G. E. CO CCB G. E. CO	46368-1 263 120/240V AC	MRC	00024	CW NS(B)-007 REV.0B IEEE 344	Y	N	.27.16	N	MF	MD		11.5	15.5		A	Y

X - TRANSFORMER

3SCVwXDH2A	AC DIST PNL XFMR-CONT SQUARE D. CO. 25KVA SQUARE D. CO.	44509-1 678 25KVA 30	CB	00004	CW NS(B)-017 REV 1B IEEE-323,344	Y	N	.25.15	N	MF	MD		8	7	7	A	Y

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PROJECT EQUIPMENT SYSTEM
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MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

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

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3SCV*XDH2B	AC DIST PNL XFMR-CONT		CB	00004	CH	Y	N	.25.15	N	MF	MD		8	7	7	A	Y
	SQUARE D. CO.	44509-1			NS(B)-017 REV 1B												
	25KVA	678			IEEE-323,344												
	SQUARE D. CO.	25KVA 30															
XD - TRANSFORMER DISTRIBUTION																	
3SCV*XD1O	240/120V 1PH STEP-DOWN XFMR OR		CB	00004	CH	Y	N	.25.15	N	MF	MD		8	7	7	A	Y
	SQUARE D CO	44509-1			NS(B)-017 REV 1B												
	15KVA	678			IEEE-323,344												
	SQUARE D CO	15 KVA															
3SCV*XD1P	AC DIST PNL XFMR-CONT		CB	00004	CH	Y	N	.25.15	N	MF	MD		8	7	7	A	Y
	SQUARE D. CO.	44509-1			NS(B)-017 REV 1B												
	15KVA	678			IEEE-323,344												
	SQUARE D. CO.	15KVA															
3SCV*XD10O	AC DIST PNL XFMR-ESFB		ESB	00036	CH	Y	N	.32.13	N	MF	MD		8	7	7	A	Y
	SQUARE D CO	44509-1			NS(B)-007 REV 0B												
	15KVA	678			IEEE-323,344												
	SQUARE D CO	15 KVA															
3SCV*XD10P	240/120V 1PH STEP-DOWN XFMR PU		ESB	00036	CH	Y	N	.32.13	N	MF	MD		8	7	7	A	Y
	SQUARE D CO	44509-1			NS(B)-010 REV 0B												
	15KVA	678			IEEE-323,344												
	SQUARE D CO	15 KVA															
3SCV*XD11P	AC DIST PNL XFMR-ESFB		ESB	00036	CH	Y	N	.32.13	N	MF	MD		8	7	7	A	Y
	SQUARE D. CO.	44509-1			NS(B)-010 REV 0B												
	15KVA	678			IEEE 323,344												
	SQUARE D. CO.	15KVA															
3SCV*XD24O	AC DIST PNL XFMR-CWPH		CSP	00014	CH	Y	N	.40.16	N	MF	MD		8	7	7	A	Y
	SQUARE D CO	44509-1			NS(B)-044 REV 2B												
	15KVA	678			IEEE 323,344												
	SQUARE D CO	15 KVA															

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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

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

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3SCV*XD24P	AC DIST PNL XFMR-CHPH SQUARE D. CO. 15KVA SQUARE D. CO.	 44509-1 678 15KVA	CSP	00014	CW NS(B)-044 REV 2B IEEE 323,344	Y	N	.40.16	N	MF	MD	8	7	7	A	Y
3SCV*XD25O	AC DIST PNL XFMR-EGE 15KVA	 44509-1 678	EGE	00024	CW NS(B)-069 REV 0B IEEE 323,344	Y	N	.32.15	N	MF	MD	8	7	7	A	Y
3SCV*XD25P	AC DIST PNL XFMR-EGE SQUARE D. CO. 15KVA SQUARE D. CO.	 44509-1 678 15KVA	EGE	00024	CW NS(B)-069 REV 0B IEEE 323,344	Y	N	.32.15	N	MF	MD	6	7	7	A	Y
3SCV*XD5O	240/120V 1PH STEP-DOWN XFMR OR SQUARE D CO 15KVA SQUARE D CO	 44509-1 678 15 KVA	MRC	00024	CW NS(B)-017 REV 1B IEEE-323,344	Y	N	.27.16	N	MF	MD	8	7	7	A	Y
3SCV*XD5P	AC DIST PNL XFMR-AUX SQUARE D CO 15KVA SQUARE D CO	 44509-1 678 15 KVA	MRC	00024	CW NS(B)-007 REV 0B IEEE-323,344	Y	N	.27.16	N	MF	MD	8	7	7	A	Y
3SCV*XD9O	AC DIST PNL XFMR-AUX SQUARE D CO 15KVA SQUARE D CO	 44509-1 678 15 KVA	MRC	00024	CW NS(B)-007 REV 0B IEEE-323,344	Y	N	.27.16	N	MF	MD	8	7	7	A	Y
3SCV*XD9P	AC DIST PNL XFMR-AUX SQUARE D. CO. 15KVA SQUARE D. CO.	 44509-1 678 15KVA	MRC	00043	CW NS(B)-007 REV 0B IEEE-323,344	Y	N	.32.18	N	MF	MD	8	7	7	A	Y

REPORT NO. MSSQT1

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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SFC - SPENT FUEL-FUEL POOL CLG & CLEANUP(INC. POOL&AUX)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	LOADS: ANLYS	TEST	QUAL METH: TEST FREQ	DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SMEC EQUIPMENT																	
E - EXCHANGER,HEAT																	
3SFC-E1A	FUEL POOL COOLER WHITLOCK 1-V1-1 SIZE33A288	 TR-75-22 REV 1 005	FB	00037	CF NS(B)-074 REV 1B ASME III,CL3	Y	Y	.30.15	S	NA	NA		26.6	26.6		A	Y
3SFC-E1B	FUEL POOL COOLER WHITLOCK 1-V1-1 SIZE33A288	 TR-75-22 REV 1 005	FB	00037	CF NS(B)-074 REV 1B ASME III,CL3	Y	Y	.30.15	S	NA	NA		26.6	26.6		A	Y
P - PUMP																	
3SFC*P1A	FUEL POOL COOLING PUMP GOULDS PUMPS 3405 SIZE 10X12-12 W	 ME-261 006 N/A	FB	00024	CF NS(B)-074 REV 1B ASME III CLASS 3	Y	Y	.22.15	S	NA	NA	33+	33+	33+		A	Y
3SFC*P1B	FUEL POOL COOLING PUMP GOULDS PUMPS 3405 SIZE 10X12-12 WESTINGHOUSE	 ME-261 006	FB	00024	CF NS(B)-074 REV 1B ASME III CLASS 3	Y	Y	.22.15	S	NA	NA	33+	33+	33+		A	Y
RV - VALVE,RELIEF																	
3SFC*RV52A	FUEL POOL COOLER OUTLET LCT-14	 407487-REV.5 186	FB	00048	DM NA ASME III,CL3	Y	N	3G	S	SF	SD		33+			A	Y

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM SFC - SPENT FUEL-FUEL POOL CLG & CLEANUP(INC. POOL&AUX)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3SFC*RV52B	FUEL POOL COOLER OUTLET		FB	00048	DM	Y	N	3G	S	SF	SD		33+		A	Y
		407487-REV.5			NA											
	LCT-14	166			ASME III,CL3											
TI - INDICATOR,TEMPERATURE																
3SFC*TI27A	FUEL POOL WATER		CB		CM	Y	N	.40.15	N	MF	MD	NA	NA	NA	C	
		SQP-99X2087-A			NS(B)-017 REV 1B											
	INT'L INST 1151VB	245			IEEE 344 & NUREG 0800											
3SFC*TI27B	FUEL POOL WATER		CB		CM	Y	N	.40.15	N	MF	MD	NA	NA	NA	C	
		SQP-99X2087-A			NS(B)-017 REV 1B											
	INT'L INST 1151VB	245			IEEE 344 & NUREG 0800											
TY - RELAY,COMPUTING,SELECTING OR BOOSTER,TEMPERATURE																
3SFC*TY27A	FUEL POOL WATER		CB		RM	Y	N		N	MF	MD	NA	NA	NA	A	
	FOXBORO	QOAAB29			NS(B)-017 REV 1B											
	N-2AI-P2V	392			IEEE 344,323											
	R/E CONVERTER	N-2AI-P2V														
3SFC*TY27B	FUEL POOL WATER		CB		RM	Y	N		N	MF	MD	NA	NA	NA	A	
	FOXBORO	QOAAB29			NS(B)-017 REV 1B											
	N-2AI-P2V	392			IEEE 344,323											
	R/E CONVERTER	N-2AI-P2V														
LS - SWITCH,LEVEL																
3SFC*LS25A	FUEL POOL WATER		FB	00024	RM	Y	N	.31.15	N	SF	SD	40+	40+	40+	A	Y
	AUTOMATIC SWITCH CO	AQR-10183 R.0			NS(B)-074 REV 1B											
	SB21AKR/TA20A32RX	626			IEEE 323-1974&IEEE 344-1975											
	ASCO PRESSURE SWITCH	SB21AKR/TA20A32RX														

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SFC - SPENT FUEL-FUEL POOL CLG & CLEANUP(INC. POOL&AUX)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3SFC*LS25B	FUEL POOL WATER AUTOMATIC SWITCH CO SB21AKR/TA20A32RX ASCO PRESSURE SWITCH	 AQR-10183 R.O 626 SB21AKR/TA20A32RX	FB	00024	RM NS(B)-074 REV 1B IEEE 323-1974&IEEE 344-1975	Y	N	.31.15	N	SF	SD	40+	40+	40+	A	Y
TE - TEMPERATURE ELEMENT, PRIMARY																
3SFC*TE27A	FUEL POOL WATER WEED INSTRUMENT CO 0285-00125-008 WEED RTD	 3035-00125-14 683 611	FB	00047	CW NS(B)-017,REV 1B IEEE 323,344	Y	N	.31.15	N	MF	MD		33+		A	Y
3SFC*TE27B	FUEL POOL WATER WEED INSTRUMENT CO 0285-00125-008 WEED RTD	 3035-00125-14 683 611	FB	00047	CW NS(B)-017,REV 1B IEEE 323,344	Y	N	.31.15	N	MF	MD		33+		A	Y

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM SGF - STEAM GENERATOR-CHEMICAL FEED

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SNEC EQUIPMENT																
AOV - VALVE,AIR OPERATED																
3SGF*AOV24A	SG CHEM FEED PMP ISOLATION FISHER 667NS-DBQNS NAMCO LIMIT SWITCH	 FQP-22-6 185 EA 180	MSV		DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3SGF*AOV24B	SG CHEM FEED PMP ISOLATION FISHER 667NS-DBQNS NAMCO LIMIT SWITCH	 FQP-22-6 185 EA 180	MSV		DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3SGF*AOV24C	SG CHEM FEED PMP ISOLATION FISHER 667NS-DBQNS NAMCO LIMIT SWITCH	 FQR-22-6 185 EA 180	MSV		DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3SGF*AOV24D	SG CHEM FEED PMP ISOLATION FISHER 667NS-DBQNS NAMCO LIMIT SWITCH	 FQR-22-6 185 EA 180	MSV		DM NA 3624	Y	N	3G	S	NA	NA		33+		A	Y

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SIH - SAFETY INJECTION - HIGH PRESSURE

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS DYN.	OTHER	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT																	
MV - VALVE,MOTOR OPERATED																	
3SIH*MV8801A	BORON INJ TANK DISCH ISOL WALWORTH D-51745-3 LIMITORQUE OPERATOR	 ADSR-10 153 SMB-0-40	AB	00004	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+			A	Y
3SIH*MV8801B	BORON INJ TANK DISCH ISOL WALWORTH D-51745-3 LIMITORQUE OPERATOR	 ADSR-10 153 SMB-0-40	AB	00004	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+			A	Y
3SIH*MV8802A	SIP TO HOT LEGS WALWORTH D-51745-2 LIMITORQUE OPERATOR	 ADSR-10 153 SMB-0-40	ESB	00021	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+			A	Y
3SIH*MV8802B	SIP TO HOT LEGS WALWORTH D-51745-2 LIMITORQUE OPERATOR	 ADSR-10 153 SMB-0-40	ESB	00021	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+			A	Y
3SIH*MV8806	REFUELING WTR STOR TK TO SIP WALWORTH D-51740-2 LIMITORQUE/NAMCO 170	 ADSR-6 153 SB-0-25	ESB	00013	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+			A	Y
3SIH*MV8807A	SUCT HDR CROSS CONN WALWORTH D-51736 LIMITORQUE OPERATOR	 ADSR-4 153 SMB-00-5	ESB	00024	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+			A	Y

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PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SIH - SAFETY INJECTION - HIGH PRESSURE

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3SIH*MV8807B	SUCT HDR CROSS CONN WALWORTH D-51736 LIMITORQUE OPERATOR	 ADSR-4 153 SMB-00-5	ESB	00024	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3SIH*MV8821A	SIP X-CONN WALWORTH D-51743-3 LIMITORQUE OPERATOR	 ADSR-3 153 SMB-0-40	ESB	00021	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3SIH*MV8821B	SIP X-CONN WALWORTH D-51743-3 LIMITORQUE OPERATOR	 ADSR-3 153 SMB-0-40	ESB	00021	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3SIH*MV8835	SIP TO COLD LEGS WALWORTH D-51745-3 LIMITORQUE OPERATOR	 ADSR-10 153 SMB-0-40	ESB	21	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3SIH*MV8923A	SAFETY INJ PUMP SUCTION WALWORTH D-51736 LIMITORQUE OPERATOR	 ADSR-4 153 SMB-00-10	ESB	00024	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3SIH*MV8923B	SFTY INJ PMP SUCTION WALWORTH D-51745-3 LIMITORQUE OPERATOR	 ADSR-10 153 SMB-00-10	ESB	00024	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3SIH*MV8924	SI CHG SUCT X-CONN WALWORTH D-51736 LIMITORQUE OPERATOR	 ADSR-4 153 SMB-00-5	ESB	00024	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y

AV - VALVE,ANALYZER;VALVE,AIR OPERATED,(WESTINGHOUSE)

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SIH - SAFETY INJECTION - HIGH PRESSURE

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3SIH*AV8882	CHG PMP TEST LINE ISOL		CS	00008	DM	Y	N	3G	S	NA	NA		33+			A	Y
		FQP-22-1B			NA												
	667NS-DBQNS	185			ASME III,CL2												
3SIH*AV8889A	SIP HOT LEG TEST LINE		CS	00018	DM	Y	N	3G	S	NA	NA		33+			A	Y
		FQP-22-1B			NA												
	667NS-DBQNS	185			ASME III,CL2												
3SIH*AV8889C	SIP HOT LEG TEST LINE		CS	00018	DM	Y	N	3G	S	NA	NA		33+			A	Y
		FQP-22-1B			NA												
	667NS-DBQNS	185			ASME III,CL2												
CV - VALVE,CONTAINMENT ISOLATION, (WESTINGHOUSE)																	
3SIH*CV8823	SIP COLD LEG TST LINE		CS	00018	DM	Y	N	3G	S	NA	NA		33+			A	Y
	FISHER	FQP-22-6			NA												
	667NS-DBQNS	185			ASME III,CL2												
	NAMCO LIMIT SWITCH	EA 180															
3SIH*CV8824	SIP HOT LEG TEST LINE		CS	00018	DM	Y	N	3G	S	NA	NA		33+			A	Y
	FISHER	FQP-22-6			NA												
	667NS-DBQNS	185			ASME III,CL2												
	NAMCO LIMIT SWITCH	EA 180															
3SIH*CV8843	CHG PMP TEST LINE ISOL		CS	00008	DM	Y	N	3G	S	NA	NA		33+			A	Y
	FISHER	FQP-22-6			NA												
	667NS-DBQNS	185			ASME III,CL2												
	NAMCO LIMIT SWITCH	EA 180															
3SIH*CV8871	TEST LINE HEADER		CS	00020	DM	Y	N	3G	S	NA	NA		33+			A	Y
	FISHER	FQP-22-6			NA												
	667NS-DBQNS	185			ASME III,CL2												
	NAMCO LIMIT SWITCH	EA 180															

REPORT NO. MSSRT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SIH - SAFETY INJECTION - HIGH PRESSURE

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3SIH*CV8881	SIP HOT LEG TEST LINE		CS	00007	DM	Y	N	3G	S	NA	NA		33+			A	Y
	FISHER	FQP-22-6			NA												
	667NS-DBQNS	165			ASME III,CL2												
	NAMCO LIMIT SWITCH	EA 180															
3SIH*CV8888	ACCUMULATOR FILL LINE		AB	00004	DM	Y	N	3G	S	NA	NA		33+			A	Y
	FISHER	FQP-22-6			NA												
	667NS-DBQNS	165			ASME III,CL2												
	NAMCO LIMIT SWITCH	EA 180															
3SIH*CV8964	TEST LINE HEADER		AB	00017	DM	Y	N	3G	S	NA	NA		33+			A	Y
	FISHER	FQP-22-6			NA												
	667NS-DBQNS	165			ASME III,CL2												
	NAMCO LIMIT SWITCH	EA 180															
RV - VALVE,RELIEF																	
3SIH*RV8851	SIP TO COLD LEGS		ESB	00031	DM	Y	N	3G	S	SF	SD		33+			A	Y
		407487-REV.5			NA												
	LCT-11/S4	186			ASME III,CL2												
3SIH*RV8853A	SAFETY INJECTION PUMP DISCH		ESB	00033	DM	Y	N	3G	S	SF	SD		33+			A	Y
		407487-REV.5			NA												
	LCT-11/S4	186			ASME III,CL2												
3SIH*RV8853B	SAFETY INJECTION PUMP DISCH		ESB	00033	DM	Y	N	3G	S	SF	SD		33+			A	Y
		407487-REV.5			NA												
	LCT-11/S4	186			ASME III,CL2												
3SIH*RV8858	SAFETY INJ PUMP SUCTION HDR		ESB	00018	DM	Y	N	3G	S	SF	SD		33+			A	Y
		407487-REV.5			NA												
	LCT-20/S4	186			ASME III,CL2												

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SIH - SAFETY INJECTION - HIGH PRESSURE

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RPS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
MV - VALVE,MOTOR OPERATED																
3SIH*MV8814	SIS PMP MINIFLOW ISOL		ESB	00021	DM	Y	N	3G	S	NA	NA		33+		A	Y
	YARWAY CORPORATION	1030-2			NA											
	5515B-F316M	655			ASME III,CL2											
	LIMITORQUE OPERATOR	SMB-00-5														
3SIH*MV8920	SIS PMP MINIFLOW ISOL		ESB	00021	DM	Y	N	3G	S	NA	NA		33+		A	Y
	YARWAY CORPORATION	1030-2			NA											
	5515B-F316M	655			ASME III,CL2											
	LIMITORQUE OPERATOR	SMB-00-5														
MV - VALVE,MOTOR OPERATED																
3SIH*MV8813	SIS PMP MINIFLOW ISOL		ESB	00015	DM	Y	N	3G	S	NA	NA		33+		A	Y
	PACIFIC VALVE	FA-5589			NA											
	55515G	676			ASME III,CL2											
	LIMITORQUE OPERATOR	SB-00-10														
NSSS EQUIPMENT																
E - EXCHANGER,HEAT																
3SIH*E2A	SAFETY INS PUMP LUB OIL COOLER		ESB	00024	*										D	Y
		001														
3SIH*E2B	SAFETY INS PUMP LUB OIL COOLER		ESB	00024	DH										D	Y
		001														

REPORT NO. WSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM SIH - SAFETY INJECTION - HIGH PRESSURE

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
FT - TRANSMITTER,FLOW																
3SIH*FT916	SFTY INJ PMP P1A DISCH WESTINGHOUSE	001	ESB 00021	EM											D	
3SIH*FT922	SFTY INJ PMP P1B DISCH WESTINGHOUSE	001	ESB 00004	EM											D	
P - PUMP																
3SIH*P1A	SAFETY INJECTION PUMP	W-001 001	ESB 00021	CF ASME III	Y	N	2.1	S	NA	NA	*	33+			A	Y
3SIH*P1B	SAFETY INJECTION PUMP	W-001 001	ESB 00021	F ASME III	Y	N	2.1	S	NA	NA	*	33+			A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, QC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SIL - SAFETY INJECTION - LOW PRESSURE

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS / DYN.	OTHER REQ'D / INPUT (ZPA)	LOADS: ANLYS	TEST	QUAL METH: TEST FREQ	DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT																
MV - VALVE,MOTOR OPERATED																
3SIL*MV8809A	GATE VALVE		ESB	00008	DM	Y	N	3G	S	NA	NA			33+	A	I
	WALWORTH	349			NA											
	A-9558-M-178D	153			ASME III,CL2											
	LIMITORQUE OPERATOR	SB-3-15														
3SIL*MV8809B	GATE VALVE		ESB	00012	DM	Y	N	3G	S	NA	NA			33+	A	Y
	WALWORTH	349			NA											
	A-9558-M-178D	153			ASME III,CL2											
	LIMITORQUE OPERATOR	SB-3-15														
3SIL*MV8840	GATE VALVE		ESB	00012	DM	Y	N	3G	S	NA	NA			33+	A	Y
	WALWORTH	348			NA											
	A-9557-M-226	153			ASME III,CL2											
	LIMITORQUE OPERATOR	SB-2-80														
SV - VALVE;SOLENOID,(WESTINGHOUSE)																
3SIL*SV8825	SIP HOT LEG TEST LINE		CS	00018	EM	Y	N	3G	N	SF	SD			35+	A	Y
	FISHER	AQR-67368			NA											
		185			IEEE 325,344,382											
	ASCO SOLENOID	NPK 8320														
3SIL*SV8880	ACCUM NITROGEN LINE ISOL		AB	00004	EM	Y	N	3G	N	SF	SD			35+	A	Y
	FISHER	AQR-67368			NA											
		185			IEEE 325,344,382											
	ASCO SOLENOID	NPK 8320														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM SIL - SAFETY INJECTION - LOW PRESSURE

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3SIL*SV8890A	RHR TO COLD LEG TEST LINE		CS	00013	EM	Y	N	3G	N	SF	SD		35+			A	Y
	FISHER	AQR-67368			NA												
		185			IEEE 325,344,382												
	ASCO SOLENOID	NPK 8320															
3SIL*SV8890B	RHR TO COLD LEG TEST LINE		CS	00007	EM	Y	N	3G	N	SF	SD		35+			A	Y
	FISHER	AQR-67368			NA												
		185			IEEE 325,344,382												
	ASCO SOLENOID	NPK 8320															
3SIL*SV8968			CS		EM	Y	N	3G	N	SF	SD		35+			A	
	FISHER	AQR-67368			NA												
		185			IEEE 325,344,382												
	ASCO SOLENOID	NPK 8320															
RV - VALVE,RELIEF																	
3SIL*RV8842	RHR TO HOT LEG		ESB	00015	DM	Y	N	3G	S	SF	SD		33+			A	Y
		407487-REV.5			NA												
	LCT-20/S4	186			ASME III,CL2												
3SIL*RV8855A	ACCUMULATOR TANK		CS	00003	DM	Y	N	3G	S	SF	SD		33+			A	Y
		407487-REV.5			NA												
	LCT-50D/S4	186			ASME III,CL2												
3SIL*RV8855B	ACCUMULATOR TANK		CS	00003	DM	Y	N	3G	S	SF	SD		33+			A	
		407487-REV.5			NA												
	DO-50D/S4	186			ASME III,CL2												
3SIL*RV8855C	ACCUMULATOR TANK		CS	00003	DM	Y	N	3G	S	SF	SD		33+			A	
		407487-REV.5			NA												
	DO-50D/S4	186			ASME III,CL2												

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SIL - SAFETY INJECTION - LOW PRESSURE

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3SIL*RV8855D	ACCUMULATOR TANK		CS	00003	DM	Y	N	3G	S	SF	SD		33+		A	
		407487-REV.5			NA											
	DO-50D/S4	186			ASME III,CL2											
3SIL*RV8856A	RHR TO COLD LEGS		ESB	00015	DM	Y	N	3G	S	SF	SD		33+		A	Y
		407487-REV.5			NA											
	LCT-20/S4	186			ASME III,CL2											
3SIL*RV8856B	RHR TO COLD LEGS		ESB	00016	DM	Y	N	3G	S	SF	SD		33+		A	Y
		407487-REV.5			NA											
	LCT-20/S4	186			ASME III,CL2											
MV - VALVE,MOTOR OPERATED																
3SIL*MV8808A	GATE VALVE		CS	-0018	DM	Y	N	3G	S	NA	NA		45		A	Y
	WESTINGHOUSE	N-SR008-2			NA											
	12GM88 SNH	468			ASME III,CL2											
	LIMITORQUE OPERATOR	SBF-3														
3SIL*MV8808B	GATE VALVE		CS	-0018	DM	Y	N	3G	S	NA	NA		45		A	Y
	WESTINGHOUSE	N-SR008-2			NA											
	12GM88 SNH	468			ASME III,CL2											
	LIMITORQUE OPERATOR	SBD-3														
3SIL*MV8808C	GATE VALVE		CS	-0018	DM	Y	N	3G	S	NA	NA		45		A	Y
	WESTINGHOUSE	N-SR008-2			NA											
	12GM88 SNH	468			ASME III,CL2											
	LIMITORQUE OPERATOR	SBD-3														
3SIL*MV8808D	GATE VALVE		CS	-0018	DM	Y	N	3G	S	NA	NA		45		A	Y
	WESTINGHOUSE	N-SR008-2			NA											
	12GM88 SNH	468			ASME III,CL2											
	LIMITORQUE OPERATOR	SBD-3														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM SIL - SAFETY INJECTION - LOW PRESSURE

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
MV - VALVE,MOTOR OPERATED															
3SIL*MV8804A	RHR PMP1A TO CHG PMP PACIFIC VALVE G55509-7 LIMITORQUE/NAMCO 170	 FA-5590 676 SB-0-15	ESB 00008	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3SIL*MV8804B	GATE PACIFIC VALVE G55509-7 LIMITORQUE/NAMCO 170	 FA-5590 676 SB-0-15	ESB 00013	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3SIL*MV8812A	GATE VALVE PACIFIC VALVE G55509 LIMITORQUE/NAMCO 180	 FA-5594 676 SMB-0-25	ESB 00012	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3SIL*MV8812B	GATE VALVE PACIFIC VALVE G55509 LIMITORQUE/NAMCO 170	 FA-5590 676 SMB-0-25	ESB 00012	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
NSSS EQUIPMENT															
TK - TANK															
3SIL*TK1A	SAFETY INJECTION ACCUM TK WESTINGHOUSE	 W-001 001	CS 00024	CF ASME III	Y	N	1.0	S	NA	NA	*	33+		A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM SIL - SAFETY INJECTION - LOW PRESSURE

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: HTG RRS REF CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3SIL*TK1B	SAFETY INJECTION ACCUM TK WESTINGHOUSE	W-001 001	CS	-0024	CF ASME III	Y	N	1.0	S	NA	NA	*	33+		A	Y
3SIL*TK1C	SAFETY INJECTION ACCUM TK WESTINGHOUSE	W-001 001	CS	-0024	CF ASME III	Y	N	1.0	S	NA	NA	*	33+		A	Y
3SIL*TK1D	SAFETY INJECTION ACCUM TK WESTINGHOUSE	W-001 001	CS	-0024	CF ASME III	Y	N	1.0	S	NA	NA	*	33+		A	Y

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PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM SSP - POST ACCIDENT SAMPLING SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	HTG RRS REF CODES	LOADS: SEIS DYN.	OTHER	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SNEC EQUIPMENT																
PNL - PANEL																
3SSP*PNL3	POST ACCIDENT SAMPLING PANEL		ESB		CF NS(T)-077,REV 0B IEEE 344	Y	N	.18.12							D	Y
AAA - RESERVED																
3SSP*SOV25A	CNTMT RECIRC ISOL VV TARGET ROCK 81V-010 IN-LINE SOLENOID VLV	3040 LATER 81V-017	ESB		DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	
3SSP*SOV25B	CNTMT RECIRC ISOL VV TARGET ROCK 81-010 IN-LINE SOLENOID VLV	3040 LATER 81V-017	ESB		DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	
CTV - VALVE,CONTAINMENT,TRIP																
3SSP*CTV8	CNTMNT ISO OF SSP TARGET ROCK CORP 81V-004 IN-LINE SOLENOID VLV	3040 654 81V-004	CS	00025	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	
SOV - VALVE,SOLENOID																

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SSP - POST ACCIDENT SAMPLING SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3SSP*SOV1A	RC COLD LEG SMPL	3040	CS	00007	DM NA	Y	N	3G	S	NA	NA		33+		A	
	81V-001	654			ASME III,CL2											
3SSP*SOV1B	RC COLD LEG SMPL	3040	CS	00007	DM NA	Y	N	3G	S	NA	NA		33+		A	
	81V-001	654			ASME III,CL2											
3SSP*SOV1C	RC COLD LEG SMPL	3040	CS	00007	DM NA	Y	N	3G	S	NA	NA		33+		A	
	81V-001	654			ASME III,CL2											
3SSP*SOV1D	RC COLD LEG SAMPLE	3040	CS	00007	DM NA	Y	N	3G	S	NA	NA		33+		A	
	81V-001	654			ASME III,CL2											
3SSP*SOV2A	RC HOT LEG SMPL	3040	CS	00007	DM NA	Y	N	3G	S	NA	NA		33+		A	
	81V-001	654			ASME III,CL2											
3SSP*SOV2B	RC HOT LEG SMPL	3040	CS	00007	DM NA	Y	N	3G	S	NA	NA		33+		A	
	81V-001	654			ASME III,CL2											
3SSP*SOV3	CNTMNT DRAINS SMPL RTRN	3040	CS	-0009	DM NA	Y	N	3G	S	NA	NA		33+		A	
	81V-001	654			ASME III,CL2											

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM SSP - POST ACCIDENT SAMPLING SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3SSP*SOV4	CNTMNT DRAIN SUMP SMPL				DM	Y	N	3G	S	NA	NA			33+		A	
		3040			NA												
	81V-001	654			ASME III,CL2												
3SSP*SOV5	CHS SMPL RTRN		CS	-0009	DM	Y	N	3G	S	NA	NA			33+		A	
		3040			NA												
	81V-001	654			ASME III,CL2												

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SSR - SAMPLING SYSTEM-REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
SWEC EQUIPMENT																
SOV - VALVE,SOLENOID																
3SSR*SOV150A	GWS SPLY ISOL 81V-007	3040	AB	00043	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	
3SSR*SOV150B	GWS SPLY ISOL 81V-007	3040	AB	00043	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	
3SSR*SOV170	VOL CONT TK GAS SPACE SMPL 81V-001	3040	CS	00051	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	
3SSR*SOV171	PZR LIQ SPACE ISOL 81V-001	3040	CS	00004	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	
3SSR*SOV172	PZR RLF TK GAS SPACE ISOL 81V-007	3040	CS	-0024	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	
3SSR*SOV201	HYDRO CONTAM LIQ PURGE HDR 81V-010	3040	AB	00004	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	

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PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SSR - SAMPLING SYSTEM-REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/E	S/S	VERT	STATUS: SQ	INS
3SSR*SOV24A	RX CLNT HOT LEGS SMPL 81V-001	3040	CS	00004	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	
3SSR*SOV24B	RX CLNT HOT LEGS SMPL 81V-004	3040	CS	00018	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	
3SSR*SOV28A	RX CLNT COLD LEG SMPL 81V-001	3040	CS	00004	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	
3SSR*SOV28B	RX CLNT COLD LEG SMPL 81V-001	3040	CS	00005	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	
3SSR*SOV28C	RX CLNT COLD LEG SMPL 81V-001	3040	CS	00005	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	
3SSR*SOV28D	RX CLNT COLD LEG SMPL 81V-001	3040	CS	00004	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	
3SSR*SOV31A	SFTY INJ ACCUM SMPL 81V-001	3040	CS	-0023	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SSR - SAMPLING SYSTEM-REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3SSR*SOV31B	SFTY INJ ACCUM SMPL 81V-001	3040	CS	-0023	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	
3SSR*SOV31C	SFTY INJ ACCUM SMPL 81V-001	3040	CS	-0023	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	
3SSR*SOV31D	SFTY INJ ACCUM SMPL 81V-001	3040	CS	-0023	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	
3SSR*SOV67	LETDOWN HX OUTLET SMPL 81V-001	3040	AB	00004	NA ASMEIII,CL2	Y	N	3G	S	NA	NA		33+		A	
3SSR*SOV68A	THERM REGEN DEMN OUTLET SMPL 81V-002	3040	AB	00004	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	
3SSR*SOV68B	THERM REGEN DEMN OUTLET SMPL 81V-002	3040	AB	00004	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	
3SSR*SOV68C	THERM REGEN DEMN OUTLET SMPL 81V-002	3040	AB	00004	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM SSR - SAMPLING SYSTEM-REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3SSR*SOV68D	THERM REGEN DEMN OUTLET SMPL	3040	AB	00004	DM NA	Y	N	3G	S	NA	NA		33+		A	
	81V-002				ASME III,CL3											
3SSR*SOV68E	THERM REGEN DEMN OUTLET SMPL	3040	AB	00004	DM NA	Y	N	3G	S	NA	NA		33+		A	
	81V-002				ASME III,CL3											
3SSR*SOV69	RX CLNT FLT INL	3040	AB	00004	DM NA	Y	N	3G	S	NA	NA		33+		A	
	81V-002				ASME III,CL2											
3SSR*SOV8102	VOL CNTL TK GAS SPACE SMPL	3040	AB	00043	DM NA	Y	N	3G	S	NA	NA		33+		A	
	81V-002				ASMEIII,CL2											
SOV - VALVE,SOLENOID																
3SSR*SOV65A	RESID HT REMOVAL SMPL	3040	ESB		DM NA	Y	N	3G	S	NA	NA		33+		A	
	81V-001	419			ASME III,CL3											
3SSR*SOV65B	RESID HT REMOVAL SMPL	3040	ESB		DM NA	Y	N	3G	S	NA	NA		33+		A	
	81V-001	419			ASME III,CL3											
CTV - VALVE,CONTAINMENT,TRIP																

REPORT NO. MSSQT1

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DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SSR - SAMPLING SYSTEM-REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3SSR*CTV19A	SG NO1 BLDN SMPL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
	TARGET ROCK CORP	3040			NA											
	81V-004	654			ASME III,CL2											
	IN-LINE SOLENOID VLV	81V-004														
3SSR*CTV19B	SG NO2 BLDN SMPL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
	TARGET ROCK CORP	3040			NA											
	81V-004	654			ASME III,CL2											
	IN-LINE SOLENOID VLV	81V-004														
3SSR*CTV19C	SG NO3 BLDN SMPL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
	TARGET ROCK CORP	3040			NA											
	81V-004	654			ASME III,CL2											
	IN-LINE SOLENOID VLV	81V-004														
3SSR*CTV19D	SG NO4 BLDN SMPL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
	TARGET ROCK CORP	3040			NA											
	81V-004	654			ASME III,CL2											
	IN-LINE SOLENOID VLV	81V-004														
3SSR*CTV20	PZR VAPOR SPACE SMPL		CS	00019	DM	Y	N	3G	S	NA	NA		33+		A	
	TARGET ROCK CORP	3040			NA											
	81V-004	654			ASME III,CL2											
	IN-LINE SOLENOID VLV	81V-004														
3SSR*CTV21	PZR VAPOR SPACE SMPL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	
	TARGET ROCK CORP	3040			NA											
	81V-004	654			ASME III,CL2											
	IN-LINE SOLENOID VLV	81V-004														
3SSR*CTV22	PZR LIQ SPACE SMPL		CS	00019	DM	Y	N	3G	S	NA	NA		33+		A	Y
	TARGET ROCK CORP	3040			NA											
	81V-004	654			ASME III,CL2											
	IN-LINE SOLENOID VLV	81V-004														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SSR - SAMPLING SYSTEM-REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3SSR*CTV23	PZR LIQ SPACE SMPL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	
	TARGET ROCK CORP	3040			NA											
	81V-004	654			ASME III,CL2											
	IN-LINE SOLENOID VLV	81V-004														
3SSR*CTV26	RX CLNT HOT LEGS SMPL		CS	-0018	DM	Y	N	3G	S	NA	NA		33+		A	
	TARGET ROCK CORP	3040			NA											
	81V-004	654			ASME III,CL2											
	IN-LINE SOLENOID VLV	81V-004														
3SSR*CTV27	RX CLNT HOT LEGS SMPL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
	TARGET ROCK CORP	3040			NA											
	81V-004	654			ASME III,CL2											
	IN-LINE SOLENOID VLV	81V-004														
3SSR*CTV29	RX CLNT COLD LEG SMPL		CS	00010	DM	Y	N	3G	S	NA	NA		33+		A	
	TARGET ROCK CORP	3040			NA											
	81V-004	654			ASME III,CL3											
	IN-LINE SOLENOID VLV	81V-004														
3SSR*CTV30	RX CLNT COLD LEG SMPL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
	TARGET ROCK CORP	3040			NA											
	81V-004	654			ASME III,CL3											
	IN-LINE SOLENOID VLV	81V-004														
3SSR*CTV301A	SG1 BLDN SMPL		AB		DM	Y	N	3G	S	NA	NA		33+		A	
	TARGET ROCK CORP	3040			NA											
	81V-004	654			ASME III,CL2											
	IN-LINE SOLENOID VLV	81V-004														
3SSR*CTV301B	SG1 BLDN SMPL		AB		DM	Y	N	3G	S	NA	NA		33+		A	
	TARGET ROCK CORP	3040			NA											
	81V-004	654			ASME III,CL2											
	IN-LINE SOLENOID VLV	81V-004														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY MUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SSR - SAMPLING SYSTEM-REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SG	INS
3SSR*CTV301C	SG1 BLDN SMPL		AB		DM	Y	N	3G	S	NA	NA		33+		A	
	TARGET ROCK CORP	3040			NA											
	81V-004	654			ASME III,CL2											
	IN-LINE SOLENOID VLV	81V-004														
3SSR*CTV32	SFTY INJ ACCUM SMPL		CS	00010	DM	Y	N	3G	S	NA	NA		33+		A	Y
	TARGET ROCK CORP	3040			NA											
	81V-005	654			ASME III,CL2											
	IN-LINE SOLENOID VLV	81V-005														
3SSR*CTV33	SFTY INJ ACCUM SMPL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	Y
	TARGET ROCK CORP	3040			NA											
	81V-005	654			ASME III,CL2											
	IN-LINE SOLENOID VLV	81V-005														

CV - VALVE,CONTAINMENT ISOLATION, (WESTINGHOUSE)

3SSR*CV8025	PZR RLF TK GAS SPACE SMPL		AB	00004	DM	Y	N	3G	S	NA	NA		33+		A	
	TARGET ROCK CORP	3040			NA											
	81V-008	654			ASME III,CL2											
	IN-LINE SOLENOID VLV	81V-008														
3SSR*CV8026	PZR RLF TK GAS SPACE SMPL		CS	-0016	DM	Y	N	3G	S	NA	NA		33+		A	
	TARGET ROCK CORP	3040			NA											
	81V-008	654			ASME III,CL2											
	IN-LINE SOLENOID VLV	81V-008														

SOV - VALVE,SOLENOID

3SSR*SOV110	DEGAS LIQ EFLNT SMPL		AB	00043	DM	Y	N	3G	S	NA	NA		33+		A	
		3040			NA											
	81V-002	654			ASME III,CL3											

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM SSR - SAMPLING SYSTEM-REACTOR PLANT

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3SSR*SOV112	BORIC ACID TRAN PMP DCHG SMPL	3040	AB	00043	DM	Y	N	3G	S	NA	NA		33+		A	
	81V-002	654			NA ASME III,CL3											

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REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM SVV - STEAM VENTS-SAFETY VALVES

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS DYN.	LOADS: OTHER REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ	QUAL METH: DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ INS
SWEC EQUIPMENT															
EFV - VALVE,EXCESS FLOW															
3SVV*EFV26A1	ROOF DRAINS	83-085	MSV	00070	DM NA	Y	N	3G	S	NA	NA		33+		A
	14780N-23SE	673			ASME III,CL3										
3SVV*EFV26A2	ROOF DRAINS	83-085	MSV	00070	DM NA	Y	N	3G	S	NA	NA		33+		A
	14780N-23SE	673			ASME III,CL3										
3SVV*EFV26B1	ROOF DRAINS	83-085	MSV	00070	DM NA	Y	N	3G	S	NA	NA		33+		A
	14780N-23SE	673			ASME III,CL3										
3SVV*EFV26B2	ROOF DRAINS	83-085	MSV	00070	DM NA	Y	N	3G	S	NA	NA		33+		A
	14780N-23SE	673			ASME III,CL3										
3SVV*EFV26C1	ROOF DRAINS	83-085	MSV	00070	DM NA	Y	N	3G	S	NA	NA		33+		A
	14780N-23SE	673			ASME III,CL3										
3SVV*EFV26C2	ROOF DRAINS	83-085	MSV	00070	DM NA	Y	N	3G	S	NA	NA		33+		A
	14780N-23SE	673			ASME III,CL3										

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM SVV - STEAM VENTS-SAFETY VALVES

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG RRS REF CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ INS
3SVV*EFV26D1	ROOF DRAINS 14780N-23SE	83-085 673	MSV	00070	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A
3SVV*EFV26D2	ROOF DRAINS 14780N-23SE	83-085 673	MSV	00070	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A
3SVV*EFV27A1	SILENCER DRAINS 14780N-23SE	83-085 673	MSV	00070	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A
3SVV*EFV27A2	SILENCER DRAINS 14780N-23SE	83-085 673	MSV	00070	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A
3SVV*EFV27B1	SILENCER DRAINS 14780N-23SE	83-085 673	MSV	00070	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A
3SVV*EFV27B2	SILENCER DRAINS 14780N-23SE	83-085 673	MSV	00070	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A
3SVV*EFV27C1	SILENCER DRAINS 14780N-23SE	83-085 673	MSV	00070	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SVV - STEAM VENTS-SAFETY VALVES

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3SVV*EFV27C2	SILENCER DRAINS		MSV	00070	DM	Y	N	3G	S	NA	NA		33+		A	
		83-085			NA											
	14780N-23SE	673			ASME III,CL3											
3SVV*EFV27D1	SILENCER DRAINS		MSV	00070	DM	Y	N	3G	S	NA	NA		33+		A	
		83-085			NA											
	14780N-23SE	673			ASME III,CL3											
3SVV*EFV27D2	SILENCER DRAINS		MSV	00070	DM	Y	N	3G	S	NA	NA		33+		A	
		83-085			NA											
	14780N-23SE	673			ASME III,CL3											

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM SWP - SERVICE WATER-SYSTEM (NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS / DYN.	OTHER	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SWEC EQUIPMENT																
P - PUMP																
3SWP*P1A	SERVICE WATER PUMP GE CO. 24 VSN G.E.	01-007-008 004 VERTICAL 6338 PZ 42	CSP	00014	CF NS(B)-044 REV 2B ASME III,CL3	Y	Y	.40.16	D	NA	NA	19.2	19.4	33+	A	Y
3SWP*P1B	SERVICE WATER PUMP GE.CO 24 VSN G.E.	01-007-008 004 VERTICAL 6338 PZ 42	CSP	00014	CF NS(B)-044 REV 2B ASME III,CL3	Y	Y	.40.16	D	NA	NA	19.2	19.4	33+	A	Y
3SWP*P1C	SERVICE WATER PUMP GE.CO. 24 VSN G.E.	01-007-008 004 VERTICAL 6338 PZ 42	CSP	00014	CF NS(B)-044 REV 2B ASME III,CL3	Y	Y	.40.16	D	NA	NA	19.2	19.4	33+	A	Y
3SWP*P1D	SERVICE WATER PUMP GE.CO. 24 VSN G.E.	01-007-008 004 VERTICAL 6338 PZ 42	CSP	00014	CF NS(B)-044 REV 2B ASME III,CL3	Y	Y	.40.16	D	NA	NA	19.2	19.4	33+	A	Y
P - PUMP																
3SWP*P2A	CONT BLDG A/C BOOSTER PP GOULD PUMPS 3196MT WESTINGHOUSE	ME-833 042 10 H.P.	CB	00064	NS(B)-017 REV 1B ASME III,CL2	Y	N	.50.15	D	N	N		46.2		A	Y

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PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SWP - SERVICE WATER-SYSTEM (NUCLEAR)

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	LOADS REQ'D INPUT (ZPA)	ANLYS	QUAL METH TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3SWP*P2B	CONT BLDG A/C BOOSTER PP GOULD PUMPS 3196MT WESTINGHOUSE	 ME-833 042 10 H.P.	CB	00064	 NS(B)-017 REV 1B ASME III,CL2	Y	N	.50.15	D	N	N		46.2		A	Y
3SWP*P3A	MCC & ROD CONTROL AREA B STR GOULD PUMPS 3196ST WESTINGHOUSE	 ME-978 042 10 H.P.	AB	00043	 NS(B)-017 REV 0B ASME III,CL2	Y	N	.32.18	D	N	N		45.8		A	Y
3SWP*P3B	MCC & ROD CONTROL AREA B STR GOULD PUMPS 3196ST WESTINGHOUSE	 ME-978 042 10 H.P.	AB	00043	 NS(B)-007,REV 0B ASME III,CL2	Y	N	.32.18	D	N	N		45.8		A	Y
MOV - VALVE,MOTOR OPERATED																
3SWP*MOV102A	SVCE WTR PMP DCHG HENRY PRATT LIMITORQUE OPERTOR	 D-0057-7 164 SMB-00-10	CSP	00016	DM NA ASME III,CL 2	Y	N	3G	S	NA	NA	*	33+		A	Y
3SWP*MOV102B	SVCE WTR PMP DCHG HENRY PRATT 30-1100 LIMITORQUE OPERATOR	 D-0057-7 164 SMB-00-10	CSP	00016	DM NA ASME III,CL2	Y	N	3G	S	NA	NA	*	33+		A	Y
3SWP*MOV102C	SVCE WTR PMP DCHG HENRY PRATT 30-1100 LIMOTORQUE OPERATOR	 D-0057-7 164 SMB-00-10	CSP	00016	DM NA ASME III,CL2	Y	N	3G	S	NA	NA	*	33+		A	Y
3SWP*MOV102D	SVCE WTR PMP DCHG HENRY PRATT 30-1100 LIMITORQUE OPERATOR	 D-0057-7 164 SMB-00-10	CSP	00016	DM NA ASME III,CL2	Y	N	3G	S	NA	NA	*	33+		A	Y

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PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SWP - SERVICE WATER-SYSTEM (NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3SWP*MOV50A	RX PLNT CMPNT CLG HX HENRY PRATT 30-1100 LIMITORQUE OPERATOR	SPLY D-0057-6 164 SMB-00-	AB	00024	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3SWP*MOV50B	RX PLNT CMPNT CLG HX HENRY PRATT 30-1100 LIMITORQUE OPERATOR	SPLY D-0057-6 164 SMB-00	AB	00024	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3SWP*MOV54A	CONT RECIRC CLR SPLY HENRY PRATT N-SL-2FII LIMITORQUE OPERATOR	D-0057-4 164 SMB-00-5	ESB	00004	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3SWP*MOV54B	CONT RECIRC CLR SPLY HENRY PRATT N-SL-2FII LIMITORQUE OPERATOR	D-0057-4 164 SMB-00-5	ESB	00004	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3SWP*MOV54C	CONT RECIRC CLR SPLY HENRY PRATT N-SL-2FII LIMITORQUE OPERATOR	D-0057-4 164 SMB-00-5	ESB	00004	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3SWP*MOV54D	CONT RECIRC CLR SPLY HENRY PRATT N-SL-2FII LIMITORQUE OPERATOR	D-0057-4 164 SMB-00-5	ESB	00004	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y
3SWP*MOV57A	CONT RECIRC CLR DSCHRG HENRY PRATT N-SL-2FII LIMITORQUE OPERATOR	D-0057-4 164 SMB-00-5	ESB	00036	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+		A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SWP - SERVICE WATER-SYSTEM (NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3SWP*MOV57B	CONT RECIRC CLR DSCHRG		ESB	00036	DM	Y	N	3G	S	NA	NA			33+		A	Y
	HENRY PRATT	D-0057-4			NA												
	N-SL-2FII	164			ASME III,CL2												
	LIMITORQUE OPERATOR	SMB-00-5															
3SWP*MOV57C	CONT RECIRC CLR DSCHRG		ESB	00036	DM	Y	N	3G	S	NA	NA			33+		A	Y
	HENRY PRATT	D-0057-4			NA												
	N-SL-2FII	164			ASME III,CL2												
	LIMITORQUE OPERATOR	SMB-00-5															
3SWP*MOV57D	CONT RECIRC CLR DISCHARGE		ESB	00036	DM	Y	N	3G	S	NA	NA			33+		A	Y
	HENRY PRATT	D-0057-4			NA												
	N-SL-2FII	164			ASME III,CL2												
	LIMITORQUE OPERATOR	SMB-00-5															
3SWP*MOV71A	TURB PLT CMPNT CLG HX SPLY		AB	00004	DM	Y	N	3G	S	NA	NA		3	33+		A	Y
	HENRY PRATT	D-0057-5			NA												
	NMK II	164			ASME III,CL2												
	LIMITORQUE OPERATOR																
3SWP*MOV71B	TURB PLT CMPNT CLG HX SPLY		AB	00004	DM	Y	N	3G	S	NA	NA		3	33+		A	Y
	HENRY PRATT	D-0057-5			NA												
	NMK II	164			ASME III,CL2												
	LIMITORQUE OPERATOR	SMB-00-5															

AOV - VALVE,AIR OPERATED

3SWP*AOV39A	EMER DIESEL CLR OUT		EGE	00036	DM	Y	N	3G	S	NA	NA			33+		A	Y
	FISHER	8K559-03			NA												
	9220	185			ASME III,CL3												
	NAMCO LIMIT SWITCH	EA 170															
3SWP*AOV39B	EMER DIESEL CLR OUT		EGE	00036	DM	Y	N	3G								A	Y
	FISHER	8K559-04			NA												
	9220	185			ASME III,CL3												
	NAMCO LIMIT SWITCH	EA 170															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM SWP - SERVICE WATER-SYSTEM (NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
PV - VALVE,PRESSURE																
3SWP*PV98A	SRVC WTR PMP LUBE 657-EB	FQP-22-11 185	CSP	00022	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	Y
3SWP*PV98B	SRVC WTR PMP LUBE 657-EB	FQP-22-11 185	CSP	00022	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	Y
3SWP*PV98C	SRVC WTR PMP LUBE 657-EB	FQP-22-11 185	CSP	00022	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	Y
3SWP*PV98D	SRVC WTR PMP LUBE 657-EB	FQP-22-11 185	CSP	00022	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	Y
TV - VALVE,TEMPERATURE																
3SWP*TV35A	CONT BLDG AC INLET 7630-Y-7650	8K559-01 185	CB	00076	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	Y
3SWP*TV35B	CONT BLDG AC INLET 7630-Y-7650	8K559-02 185	CB	00064	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+		A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SWP - SERVICE WATER-SYSTEM (NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RPS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
RV - VALVE,RELIEF																	
3SWP*RV132A	MCC AREA ACU CLG WTR	407487-REV.5	EJB	00074	DM	Y	N V	3G	S	SF	SD		33+			A	Y
	LCT-11/SP	186			ASME III,CL3												
3SWP*RV132B	MCC AREA ACU CLG WTR	407487-REV.5	AB	00074	DM	Y	N V	3G	S	SF	SD		33+			A	Y
	LCT-11/SP	186			ASME III,CL3												
3SWP*RV89A	CONT BLDG A/C WTR CHLRS	407487-REV.5	CB	0007[illegible]	DM NA	Y	N	3G	S	SF	SD		33+			A	Y
	LCT-11/SP	186			ASME III,CL3												
3SWP*RV89B	CONT BLDG A/C WTR CHLRS	407487-REV.5	CB	00076	DM NA	Y	N	3G	S	SF	SD		33+			A	Y
	LCT-11/SP	186			ASME III,CL3												
3SWP*RV90A	EMER GEN DIESEL ENG CLRS	407487-REV.5	EGE	00036	DM NA	Y	N	3G	S	SF	SD		33+			A	Y
	LCT-11/SP	186			ASME III,CL3												
3SWP*RV90B	EMER GEN DIESEL ENG CLRS	407487-REV.5	EGE	00036	DM NA	Y	N	3G	S	SF	SD		33+			A	Y
	LCT-11/SP	186			ASME III,CL3												
3SWP*RV91A	CNTMNT RECIRC PMP VENT UNITS	407487-REV.5	ESB	00042	DM NA	Y	N	3G	S	SF	SD		33+			A	Y
	LCT-11/SP	186			ASME III,CL3												

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SWP - SERVICE WATER-SYSTEM (NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3SWP*RV91B	CNTMNT RECIRC PMP VENT UNITS	407487-REV.5	ESB	00042	DM / NA	Y	N	3G	S	SF	SD		33+		A	Y
	LCT-11/SP	186			ASME III,CL3											
3SWP*RV92A	RSDL HT RMVL PMP VENT UNITS	407487-REV.5	ESB	00042	DM / NA	Y	N	3G	S	SF	SD		33+		A	Y
	LCT-11/SP	186			ASME III,CL3											
3SWP*RV92B	RSDL HT RMVL PMP VENT UNITS	407487-REV.5	ESB	00042	DM / NA	Y	N	3G	S	SF	SD		33+		A	Y
	LCT-11/SP	186			ASME III,CL3											
3SWP*RV93A	SFTY INJ PMP CLRS	407487-REV.5	ESB	00031	DM / NA	Y	N	3G	S	SF	SD		33+		A	Y
	LCT-11/SP	186			ASME III,CL3											
3SWP*RV93B	SFTY INJ PMP CLRS	407487-REV.5	ESB	00031	DM / NA	Y	N	3G	S	SF	SD		33+		A	Y
	LCT-11/SP	186			ASME III,CL3											
3SWP*RV94A	CNTMNT RECIRC CLRS	407487-REV.5	ESB	00047	DM / NA	Y	N	3G	S	SF	SD		33+		A	Y
	LCT-11/SP	186			ASME III,CL3											
3SWP*RV94B	CNTMNT RECIRC CLRS	407487-REV.5	ESB	00047	DM / NA	Y	N	3G	S	SF	SD		33+		A	Y
	LCT-11/SP	186			ASME III,CL3											

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SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SWP - SERVICE WATER-SYSTEM (NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3SWP*RV94C	CNTMNT RECIRC CLRS		ESB	00047	DM	Y	N	3G	S	SF	SD		33+		A	Y
		407487-REV.5			NA											
	LCT-11/SP	186			ASME III,CL3											
3SWP*RV94D	CNTMNT RECIRC CLRS		ESB	00047	DM	Y	N	3G	S	SF	SD		33+		A	Y
		407487-REV.5			NA											
	LCT-11/SP	186			ASME III,CL3											
3SWP*RV95A	RX PLT CMPNT CLG HX		AB	00031	DM	Y	N	3G	S	SF	SD		33+		A	Y
		407487-REV.5			NA											
	LCT-11/SP	186			ASME III,CL3											
3SWP*RV95B	RX PLT CMPNT CLG HX		AB	00031	DM	Y	N	3G	S	SF	SD		33+		A	Y
		407487-REV.5			NA											
	LCT-11/SP	186			ASME III,CL3											
3SWP*RV95C	RX PLT CMPNT CLG HX		AB	00031	DM	Y	N	3G	S	SF	SD		33+		A	Y
		407487-REV.5			NA											
	LCT-11/SP	186			ASME III,CL3											
3SWP*RV96A	CHG PMP CLR		AB	00029	DM	Y	N	3G	S	SF	SD		33+		A	Y
		407487-REV.5			NA											
	LCT-11/SP	186			ASME III,CL3											
3SWP*RV96B	CHG PMP CLR		AB	00029	DM	Y	N	3G	S	SF	SD		33+		A	Y
		407487-REV.5			NA											
	LCT-11/SP	186			ASME III,CL3											

PI - INDICATOR,PRESSURE

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REPORT DATE 10/11/84

PLANT NAME HILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SWP - SERVICE WATER-SYSTEM (NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST	QUAL METH: TEST FREQ DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
3SWP-PI67A	EMER GEN DIESEL ENG CLR INL	241	EGE 00026											D	Y
3SWP-PI67B	EMER GEN DIESEL ENG CLR INL	241	EGE 00026											D	Y
FIS - SWITCH,INDICATING,FLOW															
3SWP*FIS36A	CONT BLDG AC COND OUT ITT BARTON 224/580A-1 ITT BARTON	R3-580A-9 377 224/580A-1	CB 00065	RM NS(B)-017 REV 1B IEEE-323,344	Y	N	.50.15	N	MF	MD			42	A	Y
3SWP*FIS36B	CONT BLDG AC COND OUT ITT BARTON 224/580A-1 ITT BARTON	R3-580A-9 377 224/580A-1	CB 00064	RM NS(B)-017 REV 1B IEEE-323,344	Y	N	.50.15	N	MF	MD			42	A	Y
PDIS - SWITCH,INDICATING,PRESSURE DIFFERENTIAL															
3SWP*PDIS24A	SVCE WTR STRNR BK FLUSH ITT BARTON 224/580A-1 ITT BARTON	R3-580A-9 377 244/580A-1	CSP 00014	RM NS(B)-017 REV 1B IEEE-323,344	Y	N	.40.16	N	MF	MD			42	A	Y
3SWP*PDIS24B	SVCE WTR STRNR BK FLUSH ITT BARTON 224/580A-1 ITT BARTON	R3-580A-9 377 244/580A-1	CSP 00014	RM NS(B)-017 REV 1B IEEE-323,344	Y	N	.40.16	N	MF	MD			42	A	Y

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PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SWP - SERVICE WATER-SYSTEM (NUCLEAR)

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3SWP*PDIS24C	SVCE WTR STRNR BK FLUSH ITT BARTON 224/580A-1 ITT BARTON	R3-580A-9 377 244/580A-1	CSP	00014	RM NS(B)-044 REV 2B IEEE-323,344	Y	N	.40.16	N	MF	MD				42	A	Y
3SWP*PDIS24D	SVCE WTR STRNR BK FLUSH ITT BARTON 224/580A-1 ITT BARTON	R3-580A-9 377 244/580A-1	CSP	00014	RM NS(B)-044 REV 2B IEEE-323,344	Y	N	.40.16	N	MF	MD				42	A	Y
FY - RELAY,COMPUTING,SELECTING OR BOOSTER																	
3SWP-FY59A	CONT RECIRC CLRS SVCE WTR OUT	392	CB	00048	RM NS(B)-017 REV1B IEEE-344,322	Y	N	.40.15								D	
3SWP-FY59B	CONT RECIRC CLRS SVCE WTR OUT	392	CB	00048	RM NS(B)-017 REV1B IEEE-344,322	Y	N	.40.15								D	
3SWP-FY59C	CONT RECIRC CLRS SVCE WTR OUT	392	CB	00048	RM NS(B)-017 REV1B IEEE-344,322	Y	N	.40.15								D	
3SWP-FY59D	CONT RECIRC CLRS SVCE WTR OUT	392	CB	00048	RM NS(B)-017 REV1B IEEE-344,322	Y	N	.40.15								D	
TC - CONTROLLER,TEMPERATURE																	

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM SWP - SERVICE WATER-SYSTEM (NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS / DYN.	LOADS: OTHER REQ'D / INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ INS
3SWP*TC35A	CONT BLDG A/C INL FOXBORO N-2AC-A5 PID CONTROLLER	 QOAAB42 392 N-2AC-A5	CB	00048	RM NS(B)-017 REV 1B IEEE 344,323	Y	N	N	MF	MD	NA	NA	NA	D
3SWP*TC35B	CONT BLDG A/C INL FOXBORO N-2AC-A5 PID CONTROLLER	 QOAAB42 392 N-2AC-A5	CB	00048	RM NS(B)-017 REV 1B IEEE 344,323	Y	N	N	MF	MD	NA	NA	NA	D
TIC - CONTROLLER,INDICATING,TEMPERATURE														
3SWP*TIC35A	CONT BLDG AC INLET FOXBORO N-250HM+M2NH-F ELEC DISPL STATIONS	 QOAAB67 392 N-250HM+M2NH-F	CB	00048	RM NS(B)-017 REV 1B IEEE 344,323	Y	N	N	MF	MD	NA	NA	NA	A
3SWP*TIC35B	CONT BLDG AC INLET FOXBORO N-250HM+M2NH-F ELEC DISPL STATIONS	 QOAAB67 392 N-250HM+M2NH-F	CB	00048	RM NS(B)-017 REV 1B IEEE 344,323	Y	N .40.15	N	MF	MD	NA	NA	NA	A
TY - RELAY,COMPUTING,SELECTING OR BOOSTER,TEMPERATURE														
3SWP*TY35A1	CONT BLDG AC INLET FOXBORO N-2AI-P2V R/E CONVERTER	 QOAAB29 392 N-2AI-P2V	CB	00048	RM NS(B)-017 REV 1B IEEE 344,323	Y	N .40.15	N	MF	MD	NA	NA	NA	A
3SWP*TY35A2	CONT BLDG AC INLET FOXBORO N-2AO-V2I E/I CONVERTER	 QOAAB50 392 N-2AO+V2I	CB	00048	RM NS(B)-017 REV 1B IEEE 344,323	Y	N .40.15	N	MF	MD	NA	NA	NA	C

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PROJECT EQUIPMENT SYSTEM
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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SWP - SERVICE WATER-SYSTEM (NUCLEAR)

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG / RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3SWP*TY35B1	CONT BLDG AC INLET FOXBORO N-2AI-P2V R/E CONVERTER	 QOAAB29 392 N-2AI-P2V	CB	00048	RM NS(B)-017 REV 1B IEEE 344,323	Y	N	.40.15	N	MF	MD		NA	NA	NA	A	
3SWP*TY35B2	CONT BLDG AC INLET FOXBORO N-2AO-V2I E/I CONVERTER	 QOAAB50 392 N-2AO+V2I	CB	00048	RM NS(B)-017 REV 1B IEEE 344,323	Y	N	.40.15	N	MF	MD		NA	NA	NA	C	
MOV - VALVE,MOTOR OPERATED																	
3SWP*MOV115A	CIRC WTR PMP BEARING CUBE TUFLINE FIG.067 LIMITORQUE OPERATOR	 18014-05 568 SMB-00-2	CSP	00014	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+			A	Y
3SWP*MOV115B	CIRC WTR PMP BEARING CUBE TUFLINE FIG.067 LIMITORQUE OPERATOR	 18014-05 568 SMB-00-2	CSP	00014	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		33+			A	Y
3SWP*MOV130A	SUCE WTR FOR 3HVR*ACU1A TUFLINE FIG.067 LIMITORQUE OPERATOR	 18014-00 568 SMB-00-	AB	00014	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		20+			A	Y
3SWP*MOV130B	PLUG VALVE TUFLINE FIG.067 LIMITORQUE OPERATOR	 18014-00 568 SMB-00-	AB	00014	DM NA ASME III,CL3	Y	N	3G	S	NA	NA		20+			A	Y
3SWP*MOV24A	SVCE WTR STRNR BK FLUSH TUFLINE FIG.067 LIMITORQUE OPERATOR	 NP1729 568 SMB-00-2	CSP	00014	DM NA ASME III,CL2	Y	N	3G	S	NA	NA		33+			A	Y

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DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SWP - SERVICE WATER-SYSTEM (NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3SWP*MOV24B	SVCE WTR STRNR BK FLUSH		CSP	00014	DM	Y	N	3G	S	NA	NA			33+		A	Y
	TUFLINE	NP1729			NA												
	FIG.067	568			ASME III,CL3												
	LIMITORQUE OPERATOR	SMB-00-2															
3SWP*MOV24C	SVCE WTR STRNR BK FLUSH		CSP	00014	DM	Y	N	3G	S	NA	NA			33+		A	Y
	TUFLINE	NP1729			NA												
	FIG.067	568			ASME III,CL3												
	LIMITORQUE OPERATOR	SMB-00-2															
3SWP*MOV24D	SVCE WTR STRNR BK FLUSH		CSP	00014	DM	Y	N	3G	S	NA	NA			33+		A	Y
	TUFLINE	NP1729			NA												
	FIG.067	568			ASME III,CL3												
	LIMITORQUE OPERATOR	SMB-00-2															
RE - RADIOACTIVITY ELEMENT, PRIMARY																	
3SWP*RE60A	CNTMNT RECIRC CLR RED DET		OY	00024	DM	Y	N	.17.11					30.6	30.6	33+	D	Y
	KAMAN SCIENCES	K-84-50/K-84-14			FSAR,FIG.3.7B-1												
	451004-004	624			IEEE 323,IEEE 344												
	KAMAN	KDG															
3SWP*RE60B	CNTMNT RECIRC CLR RED DET		OY	00024	DM	Y	N	.17.11					30.6	30.6	33+	D	Y
	KAMAN SCIENCES	K-84-50/K-84-14			FSAR,FIG.3.7B-1												
	451004-004	624			IEEE 323,IEEE 344												
	KAMAN	KDG															
RIY - RADIATION INDICATING RELAY																	
3SWP*RIY60A	REMOTE MICROPROCESSOR		FB	00024	CW	Y	N	.25.15	N	MF	MD		24.0	24.0	28.0	B	Y
	KAMAN SCIENCES	K-84-50/16683-8			NS(B)-074 REV 1B												
	KEM-S(450953-004)	624			IEEE 323,IEEE 344												
	KAMAN	KDG															

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM SWP - SERVICE WATER-SYSTEM (NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	HTG	RRS REF / CODES	SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	ANLYS	TEST	TEST FREQ	DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
3SWP*RIY60B	REMOTE MICROPROCESSOR KAMAN SCIENCES KEM-S(450953-00(, KAMAN	K-84-50/16683-8 624 KDG	FB	00024	CH	NS(B)-074 REV 1B IEEE 323,IEEE 344	Y	N	.25.15	N	MF	MD		24.0	24.0	28.0	B	Y
PS - SWITCH,PRESSURE																		
3SWP*PS27A	SVCE WTR SUPPLY AUTOMATIC SWITCH CO SB11AKR/TE10A52R ASCO PRESSURE SWITCH	626 SB11AKR/TE10A52R	CSP	00017	RM	NS(B)-007-REV 0B IEEE 323-1974&IEEE 344-1975	Y	N	.40.16								D	Y
3SWP*PS27B	SVCE WTR SUPPLY AUTOMATIC SWITCH CO SB11AKR/TE10A52R ASCO PRESSURE SWITCH	626 SB11AKR/TE10A52R	CSP	00017	RM	NS(B)-007-REV 0B IEEE 323-1974&IEEE 344-1975	Y	N	.49.16								D	Y
3SWP*PS69A	TURB PLT CMPNT CLG HX INL AUTOMATIC SWITCH SB11AKR/TE10A52R ASCO PRESSURE SWITCH	626 SB11AKR/TE10A52R	AB	00004	RM	NS(B)-007,REV 0B IEEE 323-1974&IEEE 344-1975	Y	N	.27.16								D	Y
3SWP*PS69B	TURB PLT CMPNT CLG HX INL AUTOMATIC SWITCH CO SB11AKR/TE10A52R ASCO PRESSURE SWITCH	626 SB11AKR/TE10A52R	AB	00004	RM	NS(B)-007,REV 0B IEEE 323-1974&IEEE 344-1975	Y	N	.27.16								D	Y
3SWP*PS70A	TURB PLT CMPNT CLG HX INL AUTOMATIC SWITCH CO SB11AKR/TE10A52R ASCO PRESSURE SWITCH	626 SB11AKR/TE10A52R	AB	00004	RM	NS(B)-007,REV 0B IEEE 323-1974&IEEE 344-1975	Y	N	.27.16								D	Y
3SWP*PS70B	TURB PLT CMPNT CLG HX INL AUTOMATIC SWITCH CO SB11AKR/TE10A52R ASCO PRESSURE SWITCH	626 SB11AKR/TE10A52R	AB	00004	RM	NS(B)-007,REV 0B IEEE 323-1974&IEEE 344-1975	Y	N	.27.16								D	Y

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UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM SWP - SERVICE WATER-SYSTEM (NUCLEAR)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
FT - TRANSMITTER,FLOW																	
3SWP-FT59A	CONT RECIRC CLRS SVCE WTR OUT ROSEMOUNT 1153DB DIFF PRSSR TRANSMITR	 108025 662 1153DB5PC	ESB	00021	RH NS(B)-010 REV B IEEE-323,344	Y	N	.24.12	N	MF	MD		50	47	50	A	
3SWP-FT59B	CONT RECIRC CLRS SVCE WTR OUT ROSEMOUNT 1153DB DIFF PRSSR TRANSMITR	 108025 662 1153DB5PC	ESB	00048	RH NS(B)-010 REV B IEEE-323,344	Y	N	.28.14	N	MF	MD		50	47	50	A	
3SWP-FT59C	CONT RECIRC CLRS SVCE WTR OUT ROSEMOUNT 1153DB DIFF PRSSR TRANSMITR	 108025 662 1153DB5PC	ESB	00021	RH NS(B)-010 REV B IEEE-323,344	Y	N	.24.12	N	MF	MD		50	47	50	A	
3SWP-FT59D	CONT RECIRC CLRS SVCE WTR OUT ROSEMOUNT 1153DB DIFF PRSSR TRANSMITR	 108025 662 1153DB5PC	ESB	00021	RH NS(B)-010 REV B IEEE-323,344	Y	N	.24.12	N	MF	MD		50	47	50	A	
TE - TEMPERATURE ELEMENT, PRIMARY																	
3SWP*TE35A	CONT BLDG AC INLET WEED INSTRUMENT CO 0213-00125-005 WEED RTD	 3035-00125-14 683 612	CB	00076	DM NA IEEE 323,344	Y	N	3.0	N	MF	MD			33+		A	Y
3SWP*TE35B	CONT BLDG AC INLET WEED INSTRUMENT CO 0213-00125-005 WEED RTD	 3035-00125-14 683 612	CB	00064	DM NA IEEE 323,344	Y	N	3.0	N	MF	MD			33+		A	Y

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PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM VBA - VITAL BUS - AC SUPPLY (TO BUS)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	SEIS / DYN.	OTHER / INPUT (ZPA)	REQ'D	ANLYS	QUAL METH: TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SNEC EQUIPMENT																	
XRC - TRANSFORMER REGULATING CONTROL																	
3VBA*XRC-6	+UAC6 REG XFMR CONT PLC-253-1-1	80255	TB	00038	NS(B)-017,REV1B IEEE-323,344	Y	N	.25.15	S	NA	NA		40+	40+	40+	A	Y
XD - TRANSFORMER DRISTRIBUTION																	
3VBA*XD-1A	VITAL BUS ISOLATION XFMR POWER CONV PROD INC POWER CON PROD INC	WYLE 45999-1 608 5KVA	CB	00004	CW NS(B)-017 REV1B IEEE 344	Y	N	.25.15	N	MF	MD		18	22	18	A	Y
3VBA*XD-2A	VITAL BUS ISOLATION XFMR POWER CONV PROD INC POWER CON PROD INC	WYLE 45999-1 608 5KVA	CB	00004	CW NS(B)-017 REV 1B IEEE 344	Y	N	.25.15	N	MF	MD		18	22	18	A	Y
3VBA*XD-3A	VITAL BUS ISOLATION XFMR POWER CONV PROD INC POWER CON PROD INC	WYLE 45999-1 608 5KVA	CB	00004	CW NS(B)-017 REV 1B IEEE 344	Y	N	.25.15	N	MF	MD		18	22	18	A	Y
3VBA*XD-4A	VITAL BUS ISOLATION XFMR PWR CONVRSN PROD INC PWR CONVRSN PROD INC	WYLE 45999-1 608 5KVA	CB	00004	CW NS(B)-017 REV 1B IEEE 344	Y	N	.25.15	N	MF	MD		18	22	18	A	Y
INV - INVERTER																	

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UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM VBA - VITAL BUS - AC SUPPLY (TO BUS)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG / RRS REF / CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3VBA*INV-1	STATIC INVERTER		CB	00004	CF	Y	N	.25.15	S	NA	NA		12	08	13	A	Y
	ELGAR CORP	58733			NS(B)-017 REV 1B												
	UPS-253-1-101	622			IEEE-323,344												
	ELGAR	UPS 253 1-102															
3VBA*INV-2	STATIC INVERTER		CB	00004	CF	Y	N	.25.15	S	NA	NA		12	08	13	A	Y
	ELGAR CORP	58733			NS(B)-017 REV 1B												
	UPS-253-1-101	622			IEEE-323,344												
	ELGAR	UPS 253 1-102															
3VBA*INV-3	STATIC INVERTER		CB	00004	CF	Y	N	.25.15	S	NA	NA		12	08	13	A	Y
	ELGAR CORP	58733			NS(B)-017 REV 1B												
	UPS-253-1-101	622			IEEE-323,344												
	ELGAR	UPS 253 1-102															
3VBA*INV-4	STATIC INVERTER		CB	00004	CF	Y	N	.25.15	S	NA	NA		12	08	13	A	Y
	ELGAR CORP	58733			NS(B)-017 REV 1B												
	UPS-253-1-101	622			IEEE-323,344												
	ELGAR	UPS 253 1-102															
SW - SWITCH																	
3VBA*SW-1	MANUAL BYPASS SWITCH		CB	00004	CF	Y	N	.30.15	S	NA	NA		40+	40+	40+	A	Y
		80254			NS(B)-017 REV 1B												
	8461020-01	622			IEEE-344												
3VBA*SW-2	MANUAL BYPASS SWITCH		CB	00004	CF	Y	N	.30.15	S	NA	NA		40+	40+	40+	A	Y
	ELGAR CORP	80254			NS(B)-017 REV 1B												
	8461020-01	622			IEEE-344												
	ELGAR	MAN. BY PASS															
3VBA*SW-3	MANUAL BYPASS SWITCH		CB	00004	CF	Y	N	.30.15	S	NA	NA		40+	40+	40+	A	Y
	ELGAR CORP	80254			NS(B)-017 REV 1B												
	8461020-01	622			IEEE-344												
	ELGAR	MAN. BY PASS															

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT
BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM VBA - VITAL BUS - AC SUPPLY (TO BUS)

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	ELEV	MTG RRS REF CODES	LOADS: SEIS	OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
3VBA*SH-4	MANUAL BYPASS SWITCH ELGAR CORP 8461020-01 ELGAR	80254 622 MAN. BY PASS	CB	00004	CF NS(B)-017 REV 1B IEEE-344	Y	N	.30.15	S	NA	NA	40+	40+	40+	A	Y
PNL - PANEL																
3VBA*PNL-VB1	V1AC-1 120 VAC VITAL BUS (RED) SYSTEM CONTROL CORP SYSTEM CONTROL CORP	-82N&-83N 637 120V DC	CB	00004	CF NS(B)-017,REV.1B IEEE 344	Y	N	.25.15	S	MF	MD	55.2	NA	NA	A	Y
3VBA*PNL-VB2	V1AC-2 120VAC VITAL BUS (WHITE SYSTEM CONTROL CORP SYSTEM CONTROL CORP	-82N&-83N 637 120V DC	CB	00004	CW NS(B)-017,REV.1B IEEE 344	Y	N	.25.15	S	MF	MD	55.2	NA	NA	A	Y
3VBA*PNL-VB3	V1AC-3 120VAC VITAL BUS (BLUE) SYSTEM CONTROL CORP SYSTEM CONTROL CORP	-82N&-83N 637 120V DC	CB	00004	CW NS(B)-017,REV.1B IEEE 344	Y	N	.25.15	S	MF	MD	55.2	NA	NA	A	Y
3VBA*PNL-VB4	V1AC-4 120 VAC VITAL BUS (YL) SYSTEM CONTROL CORP SYSTEM CONTROL CORP	-82N&-83N 637 120V DC	CB	00004	CW NS(B)-017,REV.1B IEEE 344	Y	N	.25.15	S	MF	MD	55.2	NA	NA	A	Y

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
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REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

DOCKET NO. 50-423

SYSTEM VRS - VENTS GASEOUS REACTOR PLANT - SYSTEM

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	EQUIPMENT: QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG	LOCATION: ELEV	LOCATION: MTG / RRS REF / CODES	LOADS: SEIS	LOADS: OTHER DYN.	LOADS: REQ'D INPUT (ZPA)	QUAL METH: ANLYS	QUAL METH: TEST FREQ	QUAL METH: TEST DIR	NAT FREQS: F/B	NAT FREQS: S/S	NAT FREQS: VERT	STATUS: SQ	STATUS: INS
SWEC EQUIPMENT																
CTV - VALVE,CONTAINMENT,TRIP																
3VRS*CTV20	GAS WST HDR CNTMNT ISOL		CS	00016	DM	Y	N	3G	S	NA	NA		33+		A	
	FISHER	FQP-22-2			NA											
	667NS-ES	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														
3VRS*CTV21	GAS WST HDR CNTMNT ISOL		AB	00012		Y	N	3G	S	NA	NA		33+		A	
	FISHER	FQP-22-2			NA											
	667NS-ES	185			ASME III,CL2											
	NAMCO LIMIT SWITCH	EA 180														

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM WTC - WATER TREATING - CHLORINATION

EQUIPMENT ID	EQUIPMENT DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION BLDG	ELEV	MTG RRS REF CODES	LOADS SEIS DYN.	OTHER REQ'D INPUT (ZPA)	QUAL METH ANLYS	TEST	TEST FREQ	TEST DIR	NAT FREQS F/B	S/S	VERT	STATUS SQ	INS
SWEC EQUIPMENT																
AOV - VALVE,AIR OPERATED																
3WTC*AOV24A	CHLORINATED WTR TO SWS		CSP 00001		DM	Y	N	3G	S	NA	NA		33+		A	Y
	TUFLINE	314-18014			NA											
	FIG 0361	568			ASME III,CL3											
3WTC*AOV24B	CHLORINATED WTR TO SWS		CSP 00001		DM	Y	N	3G	S	NA	NA		33+		A	Y
	TUFLINE	314-18014			NA											
	FIG 0361	568			ASME III,CL2											
3WTC*AOV25A	WATER FEED TO CHLORINATION SYS		CSP 00015		DM	Y	N	3G	S	NA	NA		33+		A	Y
	TUFLINE	315-18014			NA											
	FIG 067	568			ASME III,CL3											
3WTC*AOV25B	WATER FEED TO CHLORINATION SYS		CSP 00015		DM	Y	N	3G	S	NA	NA		33+		A	Y
	TUFLINE	316-18014			NA											
	FIG 067	568			ASME III,CL3											
3WTC*AOV50A	CHLORINE FEED VALVE ORANGE		CSP 00001		DM	Y	N	3G	S	NA	NA		33+		A	Y
	TUFLINE	313-18014			NA											
	FIG 0361	568			ASME III,CL3											
3WTC*AOV50B	CHLORINE FEED VALVE PURPLE		CSP 00001		DM	Y	N	3G	S	NA	NA		33+		A	Y
	TUFLINE	313-18014			NA											
	FIG 0361	568			ASME III,CL3											

Youngblood

REPORT NO. MSSQT1

PROJECT EQUIPMENT SYSTEM
SEISMIC AND DYNAMIC QUALIFICATION AND STATUS REPORT
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BY SYSTEM, SUPPLIER, SPEC, EQC, EQUIPMENT ID

REPORT DATE 10/11/84

PLANT NAME MILLSTONE UNIT 3
UTILITY NUSCO

DOCKET NO. 50-423

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: WESTINGHOUSE

SYSTEM WTC - WATER TREATING - CHLORINATION

EQUIPMENT ID	EQUIPMENT: DESCRIPTION / VENDOR / VEND MODEL / MANUFACTURER	QUAL REPORT / SPEC / MANUFAC MODEL	LOCATION: BLDG ELEV	MTG / RRS REF / CODES	LOADS: SEIS / OTHER DYN.	REQ'D INPUT (ZPA)	QUAL METH: ANLYS	TEST	TEST FREQ DIR	NAT FREQS: F/B	S/S	VERT	STATUS: SQ	INS
SOV - VALVE,SOLENOID														
3WTC*SOV24A1	CHLORINATED WTR TO SWS	AQR-67368 568	CSP 00015	EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD		35+		A
3WTC*SOV24B1	CHLORINATED WTR TO SWS	AQR-67368 568	CSP 00015	EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD		35+		A
3WTC*SOV25A1	WTR TO CHLORINE EDUCTOR	AQR-67368 568	CSP 00015	EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD		35+		A
3WTC*SOV25B	WATER FEED TO CHLORINATION SYS	AQR-67368 568	CSP 00015	EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD		35+		A
3WTC*SOV50A	CHLORINE FEED VALVE ORANGE	AQR-67368 568	CSP 00014	EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD		35+		A
3WTC*SOV50B	CHLOR FEED	AQR-67368 568	CSP 00014	EM NA IEEE-323,344,382	Y	N	3G	N	SF	SD		35+		A