



LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

P.O. BOX 618, NORTH COUNTRY ROAD • WADING RIVER, N.Y. 11792

January 28, 1983

SNRC-826

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

Transmittal of the Monthly Status of the
Equipment Summary List
SER Issue No. 8, Dynamic Qualification
Shoreham Nuclear Power Station - Unit 1
Docket No. 50-322

- References: 1. NRC Letter (A. Schwencer) to LILCO (M. S. Pollock), dated November 10, 1982, "Trip Report for Second Seismic Qualification Review Team (SQRT) Plant Site Audit"
2. LILCO Letter, SNRC-796, (J. L. Smith) to the NRC (H. R. Denton), dated November 23, 1982

Dear Mr. Denton:

As discussed in the referenced letters, LILCO committed to provide a monthly statusing of the equipment summary lists including BOP and NSSS equipment to assist the NRC in their review of this issue. This letter transmits ten (10) copies of the latest "List of Active Safety-Related Equipment at Qualification Level." In accordance with R. L. Tedesco's letter to LILCO, dated January 28, 1981, four copies of this submittal are being forwarded directly to Dr. Morris Reich at Brookhaven National Laboratory.

Should you have any questions, please contact this office.

Very truly yours,

J. L. Smith
Manager, Special Projects
Shoreham Nuclear Power Station
DWD:jm
Attachment
cc: J. Higgins
All Parties
Dr. Morris Reich, BNL (4)

A048

8302010542 830128
PDR ADOCK 05000322
E PDR

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

M LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
MISCELLANEOUS CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (20 ITEMS)

RUN DATE 01/25/83
RUN TIME 08.41.15
PAGE 1

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHDN	QUAL STATUS
1C61*PT-011	SVC MTR HDR PRESS	406	CD	ROSEMOUNT	SH	YES	127516	MET	60+	F	CS,HS	F
1G41*FE-028	DE-004 OUTLET	440	PD	PERMUTIT	RH	YES	MI(B) 220-	SA	100	P	N	F/Z
1P41*HOV031	SERV WATER DIS	197	PD	PRATT	SH020	YES	D-0034-1	SA/SAT	33+	P4	CS,HS	H
1P41*HOV032	SERV WATER HDR IV	197	PD	PRATT	SH033	YES	D-0034-6	SA/SAT	33+	P2	CS,HS	H
1P41*HOV035	T BELOW SUPPLY IV	197	PD	PRATT	SH025	YES	D-0034-6	SA/SAT	33+	P2	N	H
1P41*P-003	SERVICE WATER PUMPS	057	PD	BINGHAM-HILL	SH021	YES	230629	SA	28	F4	CS,HS	H
1P41*PIL-FX1	FD AUX RELAY CABINET	125	CD	RELIANCE	SH023	YES	99AX400708	SA/SAT	33+	F	CS,HS	H
1P41*S-001	SERVICE WATER STRAINER	081	PD	RP ADAMS CO	SH026	YES	N07503	DA	17	F4	CS,HS	F
1R24*HCC1110	480 V MOTOR CONT CENTE	115	ED	SQUARE D CO	SH021	YES	108-1.01L2	MET	4	F	CS,HS	H
1R24*HCC1120	480 V MOTOR CONT CENTE	115	ED	SQUARE D CO	SH021	YES	108-1.01L2	MET	4	F	CS,HS	H
1R43*P-201	FUEL OIL XFER PU	420	PD	CRAIG CO	YD020	YES	ME572	SA	13	F3	CS	H
1R43*P-202	FUEL OIL XFER PU	420	PD	CRAIG CO	YD020	YES	ME572	SA	13	F3	CS	H
1R43*RV025	P-202 DISCH	191	CD	LONERGAN	PH024	YES	502644	SA	60	P3		F
1R43*RV026	P-201 DISCH	191	CD	LONERGAN	PH024	YES	502644	SA	60	P3		F
1R43*TK-132	FUEL OIL STORAGE	114	PD	BUFFALO TANK	YD020	YES	MI(B)-22	SA	14	F3	CS	H
1X41*FN-068	SCRIBELL PUMPHSE SUP	270	PD	BUFFALO FORGE	SH034	YES	745-11140	SA	26+	F2	CS,HS	H
1X41*HOD042	FN-68 OUTDOOR AIR	319	CD	POWERS	SH025	YES	44057-1	MET	21	F2	CS,HS	H
1X41*HOD043	FN-68 EXHAUST AIR	319	CD	POWERS	SH025	YES	44057-1	MET	21	F2	CS,HS	H
1X41*HOD044	FN-68 RETURN AIR	319	CD	POWERS	SH025	YES	44057-1	MET	21	F2	CS,HS	H

CS =COLD SHUT DOWN
DA =DYNAMIC ANALYSIS
F =FLOOR MOUNTED
HS =HOT STANDBY
HBT=MULTI FREQUENCY
BIAXIAL TESTING
HST=MULTI-FREQUENCY
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P =PIPE MOUNTED
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(SQRT PAPER NOT
REQ'D)

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A =REEVALUATION COMPLETE
B =REQUEST FOR QUAL OR BID ISSUED
C =S/H RECOMMENDATION TO LILCO
D =QUAL DOC RECEIVED
E =HARDWARE MODIFICATION REQ'D
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REVISION 6 -JANUARY 1983

NOTE: NUMBER IN
'TYPE HTNG' COLUMN IS
QUANTITY OF ITEMS.

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

M LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
MISCELLANEOUS CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (20 ITEMS)

RUN DATE 01/25/83
RUN TIME 00.41.15
PAGE 2

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE MTING	SAFE SHDN	QUAL STATUS
1X41*TT008	SCRIP. PURPHE TEMP	319	CD	POWERS	SH025	YES	43012-1	NBT	24	F2	N	H

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STONE & WEBSTER ENGINEER. CORPORATION
REACTOR BUILDING CATEGORY I FLOOR-MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (205 ITEMS)

RUN DATE 01/25/83
RUN TIME 08.41.19
PAGE 1

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLOG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHTDN	QUAL STATUS
1B21WPT 153	RV092 MONITOR	406	CD	ROSEMOUNT	SC040	YES	127516	HBT	60+	F11	CS,HS	H
1B21WQEN001	HS SRV QNCHRS	447	PD	SARGEIT	PC008	YES	R-5-10078000	DA	9	F11	CS,HS	F
1B21WRV 093	VAC RELIEF VALVES	175	PD	AND. GRNMD	PC	YES	TR-77-18	SAT	18	F12	N	B
1B21WTE 147	HST PA STEAM LK DET	406	CD	ROSEMOUNT	SC078	YES	2767	SAT	60+	F2	CS,HS	H
1C61WLT 026	SUPP POOL	406	CD	ROSEMOUNT	SC008	YES	127516	HBT	60+	F	CS,HS	H
1C61WPT 012	DRYWELL PRESS	406	CD	ROSEMOUNT	SC098	YES	127516	HBT	60+	F	CS,HS	H
1C61WPT 106	SAFETY REL VALVE	406	CD	ROSEMOUNT	SC101	YES	127516	HBT	60+	F	CS,HS	H
1C61WTE 021	DRYWELL TEMP	406	CD	ROSEMOUNT	SC150	YES	2767	SAT	60+	F	CS,HS	F
1C61WTE 022	SUPP POOL TEMP	406	CD	ROSEMOUNT	SC028	YES		HBT		F2	CS,HS	B
1D11WPHL061	CON DH MON	332	PD	NHC	SC112	YES	45493-1	HBT	12	F	N	H
1D21WRE 085	RAD MONITOR	475	CD	KAHAN	PC074					F2		B
1E11WFE 006	RHR HX SERV WATER INLE	440	CD	PERMUTIT	SC33	YES	NH(B) 220-CZC	SA	60+	P2	CS,HS	F/Z
1E11WRO 140	RHR PUMP MIN FLOW BYPA	440	CD	PERMUTIT	SC14	YES	NH(B) 220-CZC	SA	60+	P4	CS,HS	F/Z
1E11WRO 158	RHR PUMP DISCH	440	CD	PERMUTIT	SC16	YES	NH(B) 220-CZC	SA	60+	P4	CS,HS	F/Z
1E11WRO 159	STEAM LINE DRAINS	440	CD	PERMUTIT	SC53	YES	NH(B) 220-CZC	SA	60+	P	N	F/Z
1E11WRO 160	VAC BREAKER LINE	440	CD	PERMUTIT	SC28	YES	NH(B) 220-CZC	SA	60+	P	N	F/Z
1E11WS-114	H2 ANALYZER STRAINER	148	PD	LESLIE CO	SC112	YES	NH(B) 287-CZC	DA		P2	N	F/Z
1E11WS-139	STEAM DRN R.O. STRN	148	PD	LESLIE	SC40	YES	NH(B) 287-CZC	DA		P	N	F/Z
1E21WP-049	LOOP LEVEL PUMPS	235	PD	GOULD PUMP	SC008	YES	HE-320	SA	60+	F2	CS	H
1E21WRO 094	CORE SPARY PUMP RECIRC	440	CD	PERMUTIT	SC101	YES	NH(B) 220-CZC	SA	60+	P2	CS	F/Z
1E21WRO 095	CORE SPRAY PUMP RECIRC	440	CD	PERMUTIT	SC14	YES	NH(B) 220-CZC	SA	60+	P2	CS	F/Z

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1E21*RO 097	CORE SPRAY/RHR LEVEL S	440	CD	PERMUTIT	SC12	YES	NH(B) 220-CZC	SA	60+ P2	CS,HS	F/Z
1E21*S-057	CORE SPRAY LOOP LVL Y	148	PD	LESLIE CO	SC008	YES	NH(B) 287-CZC	DA	60+ P2	CS,HS	F/Z
1E41*P-050	LOOP LEVEL PUMP	235	PD	GOULD PUMP	SC008	YES	HE-320	SA	60+ F	CS	H
1E41*PT 142	TO LUBE OIL COOLER	406	CD	ROSEMOUNT	SC8	YES	127516	HBT	60+ F	CS,HS	H
1E41*RD-001	RUPTURE DISK	340	PD	LYONS IND/BS&B	SC18	YES	NR-1	SAT	60+ F	N	F/Z
1E41*RD-002	RUPTURE DISK	340	PD	LYONS IND/BS&B	SC19	YES	NR-1	SAT	60+ F	N	F/Z
1E41*RO 131	HPCI PUMP HIN FLOW BYP	440	CD	PERMUTIT	SC17	YES	NH(B) 220-CZC	SA	60+ P	N	F/Z
1E41*RO 132	HPCI P DIS TO COND STO	440	CD	PERMUTIT	SC18	YES	NH(B) 220-CZC	SA	60+ P	N	F/Z
1E41*RO 133	TO BAROMETRIC CONDENSE	440	CD	PERMUTIT	SC13	YES	NH(B) 220-CZC	SA	60+ P	N	F/Z
1E41*RO 134	LUBE OIL COOLER DISCH	440	CD	PERMUTIT	SC11	YES	NH(B) 220-CZC	SA	60+ P	N	F/Z
1E41*RO 135	RUPTURE DISK BLEED OFF	440	CD	PERMUTIT	SC24	YES	NH(B) 220-CZC	SA	60+ P	N	F/Z
1E41*RO 136A	STOP VALVE DRAIN	440	CD	PERMUTIT	SC14	YES	NH(B) 220-CZC	SA	60+ P	N	F/Z
1E41*RO 136C	CONTROL VALVE DRAIN	440	CD	PERMUTIT	SC15	YES	NH(B) 220-CZC	SA	60+ P	N	F/Z
1E41*RO 136D	TURBINE DRAIN	440	CD	PERMUTIT	SC11	YES	NH(B) 220-CZC	SA	60+ P	N	F/Z
1E41*RO 136E	TURBINE DRAIN	440	CD	PERMUTIT	SC11	YES	NH(B) 220-CZC	SA	60+ P	N	F/Z
1E41*RO 137	HPCI LEVEL P-50	440	CD	PERMUTIT	SC11	YES	NH(B) 220-CZC	SA	60+ P	N	F/Z
1E41*RO 138	TO BAROMETRIC CONDENSE	440	CD	PERMUTIT	SC9	YES	NH(B) 220-CZC	SA	60+ P	N	F/Z
1E41*RO 153	RUPTURE DISK BLEED OFF	440	CD	PERMUTIT	SC024	YES	NH(B) 220-CZC	SA	60+ P	N	F/Z
1E41*S-055	Y STR-HPCI LOOP LEVEL	148	PD	LESLIE CO	SC008	YES	NH(B) 287-CZC	DA	60+ P	N	F/Z
1E51*FE 099	RCICLOOP LVL*P-051	440	CD	PERMUTIT	SC13	YES	NH(B) 220-CZC	SA	60+ P	N	F/Z
1E51*P-051	LOOP LEVEL PUMP	235	PD	GOULD PUMP	SC008	YES	HE-320	SA	60+ F	CS	H

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1E51*PT 142	TO LUBE OIL COOLER	406	CD	ROSEMOUNT	SC8	YES	127516	HBT	60+	F	CS,HS	H
1E51*PD-003	RUPTURE DISK	340	PD	LYONS IND/BS&B	SC16	YES	NR-1	SAT	60+	F	HS	F/Z
1E51*PD-004	RUPTURE DISK	340	PD	LYONS IND/BS&B	SC13	YES	NR-1	SAT	60+	F	HS	F/Z
1E51*RO 131	RCIC PUMP HIN FLOW BYP	440	CD	PERMUTIT	SC19	YES	NH(B) 220-CZC	SA	60+	P	HS	F/Z
1E51*RO 132	RCIC P DIS TO COND STR	440	CD	PERMUTIT	SC20	YES	NH(B) 220-CZC	SA	60+	P	N	F/Z
1E51*RO 135	RUPTURE DISK BLEED OFF	440	CD	PERMUTIT	SC20	YES	NH(B) 220-CZC	SA	60+	P	N	F/Z
1E51*RO 136	STOP VALVE DRAIN	440	CD	PERMUTIT	SC15	YES	NH(B) 220-CZC	SA	60+	P	HS	F/Z
1E51*RO 137	RCIC LEVEL P-51	440	CD	PERMUTIT	SC16	YES	NH(B) 220-CZC	SA	60+	P	HS	F/Z
1E51*RO 138	TO BAROMETRIC COND	440	CD	PERMUTIT	SC9	YES	NH(B) 220-CZC	SA	60+	P	HS	F/Z
1E51*RO 153	RUPTURE DISK BLEED OFF	440	CD	PERMUTIT	SC20	YES	NH(B) 220-CZC	SA	60+	P	N	F/Z
1E51*S-056	Y STR-RCIC LOOP LEVEL	148	PD	LESLIE CO	SC008	YES	NH(B) 207-CZC	DA	60+	P	HS	F/Z
1F16*RAK-22	HI DENSITY SPNT FUEL R	427	PD	WACHTER	SC137	YES	LIL-T-151	DA	10	F29	N	H
1F16*RAK-23	PERM CR STOR RACKS	427	PD	WACHTER	SC137	YES	LIL-T-151	DA	10	F	N	H
1F16*RAK-24	TEMP CR STOR RACKS	427	PD	WACHTER	SC137	YES	LIL-T-151	DA	10	F2	N	H
1G11*FT 647	SUPP POOL PUMP BACK	406	CD	ROSEMOUNT	SC008	YES	127516	HBT	60+	F3	CS,HS	H
1G11*LE 642	RB FLOOR LEVEL	473	CD	DELAVAL	SC008			DA		F		B
1G11*LE 645	RB FLOOD LEVEL	473	CD	DELAVAL	SC008	YES		SAT		F2		B
1G33*RO 109	P-19 DISCH CHK V.BYPS	440	CD	PERMUTIT	SC120	YES	NH(B) 220-CZC	SA	60+	P2	N	F/Z
1G41*E-019	FUEL STG POOL HT EXCHA	190	PD	STRUTHERS CO	SC151	YES	70-06-30787	SA	25	F2	CS,HS	H
1G41*FE 027	SPENT FUEL POOL COOLIN	440	CD	PERMUTIT	SC166	YES	NH(B) 220-CZC	SA	60+	P2	N	F/Z
1G41*P-023	FUEL STORAGE POOL COOL	062G	PD	GOULD PUMP	SC151	YES	HE-325	SA	33	F2	N	H

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1H50*FE 062	RB STANDBY VENT UC-2	440	CD	PERMUTIT	SC13	YES	NR(B) 220-CZC	SA	60+ P2	CS	F/Z
1H50*FE 063	RB STANDBY VENT UC-3	440	CD	PERMUTIT	SC11	YES	NR(B) 220-CZC	SA	60+ P2	CS	F/Z
1H50*FE 064	RB STANDBY VENT UC-4	440	CD	PERMUTIT	SC224	YES	NR(B) 220-CZC	SA	60+ P2	CS	F/Z
1H50*FE 065	RB STANDBY VENT UC-5	440	CD	PERMUTIT	SC223	YES	NR(B) 220-CZC	SA	60+ P2	CS	F/Z
1H50*FE 066	RB STANDBY VENT UC-6	440	CD	PERMUTIT	SC136	YES	NR(B) 220-CZC	SA	60+ P2	CS	F/Z
1H50*RO 072	RB STANDBY VENT UC-2	440	CD	PERMUTIT	SC11	YES	NR(B) 220-CZC	SA	60+ P2	CS	F/Z
1H50*RO 073	RB STANDBY VENT UC-3	440	CD	PERMUTIT	SC13	YES	NR(B) 220-CZC	SA	60+ P2	CS	F/Z
1H50*RO 074	RB STANDBY VENT UC-4	440	CD	PERMUTIT	SC222	YES	NR(B) 220-CZC	SA	60+ P2	CS	F/Z
1H50*RO 075	RB STANDBY VENT UC-5	440	CD	PERMUTIT	SC222	YES	NR(B) 220-CZC	SA	60+ P2	CS	F/Z
1H50*RO 076	RB STANDBY VENT UC-6	440	CD	PERMUTIT	SC135	YES	NR(B) 220-CZC	SA	60+ P2	CS	F/Z
1P41*FT 146	RBCLCH HY SERV WATER	406	CD	ROSEHOUNT	SC024	YES	127516	HBT	60+ F2	CS,HS	H
1P41*FT 151	RAD HOH SAMPLE	406	CD	ROSEHOUNT	SC008	YES	127516	HBT	60+ F2	CS,HS	H
1P42*E-011	RBCLCH HT EXCHANGER	190	PD	STRUTHERS CO	SC8	YES	70-06-30786	SA	12 F2	CS,HS	H
1P42*E-117	BOCSTER HT EXCH	190	PD	STRUTHERS	SC8	YES	79-06-33475	SA	5+ F2	HS	H
1P42*FE 017	FUEL POOL HX E-19A DIS	440	CD	PERMUTIT	SC157	YES	NR(B) 220-CZC	SA	60+ P2	N	F/Z
1P42*FE 018	RECIRC PUMP COOLERS	440	CD	PERMUTIT	SC07	YES	NR(B) 220-CZC	SA	60+ P2	N	F/Z
1P42*FE 060	RHR PUMP SEAL CLR A	440	CD	PERMUTIT	SC13	YES	NR(B) 220-CZC	SA	60+ P4	N	F/Z
1P42*LS 012	RBCLCH TK-026	407	CD	MAGNETROL	SC160	YES	43235-1	HBT	17 F2	HS	H
1P42*LS 013	RBCLCH TK-026	407	CD	MAGNETROL	SC160	YES	43235-1	HBT	17 F2	HS	H
1P42*P-005	RB CLOSED LOOP COOLING	062G	PD	GOULD PUMP	SC151	YES	ME-354	SA	68 F3	HS	H
1P42*PS 021	PUMP 1P42*P005C DISCH	348	ED	ASCO	SC153	YES	178	SAT	60+ F3	HS	H

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STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I FLOOR-MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (205 ITEMS)

RUN DATE 01/25/83
RUN TIME 08.41.19
PAGE 5

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLOG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ HTNG	SAFE SHTDN	QUAL STATUS
1P42WPS 022	PUMP 1P42WP005B DISCH	348	ED	ASCO	SC153	YES 173		SAT	60+ F3	HS	H
1P42WPS 046	PUMP 1P42WP005A DISCH	348	ED	ASCO	SC151	YES 178		SAT	60+ F3	HS	H
1P42WTK-026	RBCLCH HEAD TANK	114	PD	BUFFALO TANK	SC151	YES MM(B)25-1A		SA	F2	HS	B
1P50WPS 105	SERV AIR HDR PRESS	348	ED	ASCO	SC102	178		SAT	60+ F2	CS,HS	H
1P50WPS 113	SERV AIR HDR NORM SUP	348	ED	ASCO	SC102	178		SAT	60+ F2	CS,HS	H
1P50WPT 111	ADS ACCUMULATOR	406	CD	ROSEMOUNT	SC101	YES 127516		HBT	60+ F2	CS,HS	H
1P50WPT 116	SERV AIR HDR PRESS	406	CD	ROSEMOUNT	SC101	YES 127516		HBT	60+ F2	CS,HS	H
1R24WHCC-111W	MTR CNTRL CNTR	115	ED	SQUARE D CO	SC150	YES 108-1.01-L2		HBT	4 F	CS,HS	H
1R24WHCC-111X	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC113	YES 108-1.01-L2		HBT	4 F	CS,HS	H
1R24WHCC-111Y	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC78	YES 108-1.01-L2		HBT	4 F	CS,HS	H
1R24WHCC-111Z	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC78	YES 108-1.01-L2		HBT	4 F	CS,HS	H
1R24WHCC-112W	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC150	YES 108-1.01-L2		HBT	4 F	CS,HS	H
1R24WHCC-112X	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC78	YES 108-1.01-L2		HBT	4 F	CS,HS	H
1R24WHCC-112Y	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC112	YES 108-1.01-L2		HBT	4 F	CS,HS	H
1R24WHCC1111	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC40	YES 108-1.01-L2		HBT	4 F	CS,HS	H
1R24WHCC1112	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC113	YES 108-1.01-L2		HBT	4 F	CS,HS	H
1R24WHCC1113	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC113	YES 108-1.01-L2		HBT	4 F	CS,HS	H
1R24WHCC1114	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC151	YES 108-1.01-L2		HBT	4 F	CS,HS	H
1R24WHCC1117	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC40	YES 108-1.01-L2		HBT	4 F	CS,HS	H
1R24WHCC1118	480 V MOTOR CONT CENTE	115	ED	SQUARE D CO	SC113	YES 108-1.01-L2		HBT	4 F	CS,HS	H
1R24WHCC1119	480 V MOTOR CONT CENTE	115	ED	SQUARE D CO	SC40	YES 108-1.01-L2		HBT	4 F	CS,HS	H

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1R24*HCC1121	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1122	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC79	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1123	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC113	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1124	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC151	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1127	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1128	480 V MOTOR CONT CENTE	115	ED	SQUARE D CO	SC113	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1129	480 V MOTOR CONT CENTE	115	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1131	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC63	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HG-111	LPCI HG SET	439	ED	LOUIS ALLIS	SC150	YES	HE698	SA	27	F	N	H
1R24*HG-112	LPCI HG SET	439	ED	LOUIS ALLIS	SC150	YES	HE698	SA	27	F	N	H
1R24*HG-113	LPCI HG SET	439	ED	LOUIS ALLIS	SC150	YES	HE698	SA	27	F2	N	H
1R24*PNL-B1	480 VAC CKT BKR	115	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24*PNL-G1	480 VAC CKT BKR	115	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24*PNL-R1	480 VAC CKT BKR	115	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24*PNL-R2	480 VAC CKT BKR	115	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24*PNL-Y1	480 VAC CKT BKR	115	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24*PNL-01	480 VAC CKT BKR	115	ED	SQUARE D CO	SC78	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24*PNL-02	480 VAC CKT BKR	115	ED	SQUARE D CO	SC78	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24*PNL-03	480 VAC CKT BKR	115	ED	SQUARE D CO	SC78	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24*PNL-04	480 VAC CNTRL PHR FEED	115	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24*PNL-111	LPCI SIP PNL	439	ED	LOUIS ALLIS	SC150		84-66029	HBT	27	F	N	H

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1R24wPHL-112	LPCI SIP PHL	439	ED	LOUIS ALLIS	SC150		84-66829	HBT	27 F	N	H
1R24wPHL-113	LPCI SIP PHL	439	ED	LOUIS ALLIS	SC150		84-66829	HBT	27 F2	N	H
1R24wTRS111X	LCPI ATS	438	ED	ASCO	SC112	YES	14606	HBT	13 F	CS,HS	H
1R24wTRS112Y	LCPI ATS	438	ED	ASCO	SC112	YES	14606	HBT	13 F	CS,HS	H
1R35wPHL-B2	EHF 120 V PHL B2-SC	124	ED	SYSTEM CONT	SC112	YES	45322-1	HBT	15 F	CS,HS	H
1R35wPHL-P2	EHF 120 V PHL R2-SC	124	ED	SYSTEM CONT	SC112	YES	45322-1	HBT	15 F	CS,HS	H
1R35wT-B2	480-120/240V TRANS	248	ED	MAGNETICS	SC112	YES	WYLE43424-1	HBT	9 F	CS,HS	H
1R35wT-R2	480-120/240V TRANS	248	ED	MAGNETICS	SC112	YES	WYLE43424-1	HBT	9 F	CS,HS	H
1R42wHCC-0A1	125 VDC MOTOR CONT CEN	168	ED	GEN ELEC	SC40	YES	79GPC005	SAT	100 F	CS,HS	H
1R42wHCC-0A2	125 VDC MOTOR CONT CEN	168	ED	GEN ELEC	SC112	YES	79GPC005	SAT	100 F	CS,HS	H
1R42wHCC-0B1	125 VDC MOTOR CONT CEN	168	ED	GEN ELEC	SC40	YES	79GPC005	SAT	100 F	CS,HS	H
1R42wHCC-0B2	125 VDC MOTOR CONT CEN	168	ED	GEN ELEC	SC112	YES	79GPC005	SAT	100 F	CS,HS	H
1T23wSHE-01	SHIELD WALL EXTENSION	221	PD	CIVES	PC140	YES	MH(B)124-GD	SA	60+ F	N	D/Z
1T23wTL-002	PRIMARY CONT LINER	075	SD	PDH	PC008	YES	NS(B) - EA56	SA	3 F	N	F/Z
1T23wZ-EA1	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24 F	CS,HS	F
1T23wZ-EB1	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24 F	CS,HS	F
1T23wZ-EB2	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24 F	CS,HS	F
1T23wZ-ED5	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24 F	CS,HS	F
1T23wZ-ED6	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24 F	CS,HS	F
1T23wZ-HB3	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24 F	CS,HS	F
1T23wZ-HB4	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24 F	CS,HS	F

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1T23*Z-HC4	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	F
1T23*Z-HD1	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	F
1T23*Z-HD2	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	F
1T23-RB-001	PH RES RADIAL BEAMS	221	PD	CIVES	PCVAR	YES	HH(B)89-JAA	SA	16	F	CS	D/Z
1T46*ADD040	RB REFUEL LVL EXHAUST	319	CD	POWERS REGUL	SC154	YES	44540-1	SA/SAT	40	F2	CS	H
1T46*ADD041	RB POT CONTAM AREA EXH	319	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	CS,HS	H
1T46*CLC-05	RBSVS COOLING COILS	276	PD	BUFFALO FORGE	SC113	YES	80N-27781	SA	5	F2	CS,HS	H
1T46*FLT-01	RBSVS FILTER TRAINS	105	PD	FARR CO	SC112	YES	D-56291	SA/SAT	11	F2	CS,HS	H
1T46*FN-003	RB EXH FANS-RBSVS	270	PD	BUFFALO FORGE	SC124	YES	74S-11136	SA	15	F3	CS	H
1T46*FN-079	RB EXH BOOSTER FAN	102	PD	BUFFALO FORGE	SC133	YES	74S-4244C	SA	51	F2	CS,HS	H
1T46*FT 004	RBSVS EXH AIR FLOW	319	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	N	H
1T46*HE 002	FLT-1 MOISTURE	319	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	N	H
1T46*HOD031	RBSVS INLET TO MIX PLN	319	CD	POWERS REGUL	SC135	YES	43812-1	SA/SAT	24	F2	CS,HS	H
1T46*HOD034	RBSVS FILTER TRAIN DCH	319	CD	POWERS REGUL	SC182	YES	44540-1	SA/SAT	60	F2	CS	H
1T46*HOD036	FN-3 DISCHARGE AIR	319	CD	POWERS REGUL	SC126	YES	43812-1	SA/SAT	24	F3	CS,HS	H
1T46*HOD047	FN-79 DISCHARGE AIR	319	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	N	H
1T46*HOD048	FLT-1 INLET AIR	319	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	N	H
1T46*PDS045	FN-3 DIFF PRESSURE	319	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	CS,HS	H
1T46*PDS046	FN-3 DIFF PRESSURE	319	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F3	CS,HS	H
1T46*PDT003	FLT-1A DIFF PRESSURE	406	CD	ROSEMOUNT	SC112	YES	127516	MDT	60+	F2	CS,HS	H
1T46*PDT043	REACTOR BLDG DIFF	406	CD	ROSEMOUNT	SC220	YES	127516	MDT	60+	F2	CS,HS	H

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1T46WTE 001	RBSVS RECIRC AIR TEMP	406	CD	ROSEMOUNT	SC144	YES	2767	SAT	60+ F2	CS,HS	H
1T46WTE 022	AIR RETURN TO UC-2	406	CD	ROSEMOUNT	SC10	YES	2767	SAT	60+ F2	CS,HS	H
1T46WTE 023	AIR RETURN TO UC-3	406	CD	ROSEMOUNT	SC42	YES	2767	SAT	60+ F2	CS,HS	H
1T46WTE 024	AIR RETURN TO UC-4	406	CD	ROSEMOUNT	SC220	YES	2767	SAT	60+ F2	CS,HS	H
1T46WTE 025	AIR RETURN TO UC-5	406	CD	ROSEMOUNT	SC220	YES	2767	SAT	60+ F2	CS,HS	H
1T46WTE 028	HCC RH UNIT COOLER	406	CD	ROSEMOUNT	SC128	YES	2767	SAT	60+ F2	CS,HS	H
1T46WTE 059	WUC-21 UNIT CLR	406	CD	ROSEMOUNT	SC155	YES	2767	SAT	60+ F2	CS,HS	H
1T46WTE 060	WUC-22 UNIT CLR	406	CD	ROSEMOUNT	SC160	YES	2767	SAT	60+ F2	CS,HS	H
1T46WUC-002	UNIT COOLERS-RBSVS	276	PD	BUFFALO FORGE	SC8	YES	80N-27781	SA	5 F2	CS,HS	H
1T46WUC-003	UNIT COOLERS-RBSVS	276	PD	BUFFALO FORGE	SC008	YES	80N-27781	SA	5 F2	CS,HS	H
1T46WUC-004	UNIT COOLERS-RBSVS	276	PD	BUFFALO FORGE	SC175	YES	80N-27781	SA	5 F2	CS,HS	H
1T46WUC-005	UNIT COOLERS-RBSVS	276	PD	BUFFALO FORGE	SC175	YES	80N-27781	SA	5 F2	CS,HS	H
1T46WUC-020	UNIT COOLERS-HCC IN RB	276	PD	BUFFALO FORGE	SC112	YES	80N-27781	SA	5 F2	CS,HS	H
1T46WUC-021	UNIT COOLERS	276	PD	BUFFALO FORGE	SC150	YES	80N-27781	SA	5 F2	CS,HS	H
1T46WUC-022	UNIT COOLERS - RBSVS	276	PD	BUFFALO FORGE	SC161	YES	80N-27781	SA	5 F2	CS,HS	H
1T46WUC-023	UNIT COOLER HCC RB	276	PD	BUFFALO FORGE	SC040	YES	80N-27903-6	SA	5 F	N	H
1T48WEXJ-49	HYD RECOMB INLET EX JT	462	PD	TEMP FLEX	SC114			SA	F2	N	B/Z
1T48WEXJ-50	HYD-RECOMB INLET EX JT	462	PD	TEMP FLEX	SC114			SA	F2	N	B/Z
1T48WFE 005	HEPA FILTER INLET	440	CD	PERMUTIT	SC114	YES	NR(B) 220-CZC	SA	60+ P	N	F/Z
1T48WFE 048	WATER SUPPLY TO WRC-00	440	CD	PERMUTIT	SC113	YES	NR(B) 220-CZC	SA	60+ P	N	F/Z
1T48WFT 005N	HEPA FILTER INLET	406	CD	ROSEMOUNT	SC113	YES	127516	SAT	60+ F2	CS,HS	H

CS =COLD SHUT DOWN
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F =FLOOR MOUNTED
HS =HOT STANDBY

MBT=MULTI-FREQUENCY
BIAXIAL TESTING

MST=MULTI-FREQUENCY
SINGLE AXIAL TESTING

P =PIPE MOUNTED
PC =PRIMARY CONT.
PL =PEDESTAL

QP = QUALIFIED BY
PIPING ANALYSIS

SA =STATIC ANALYSIS

SAT=SINGLE FREQUENCY
SINGLE AXIAL TESTING

SBT=SINGLE FREQUENCY
BIAXIAL TESTING

SC =SECONDARY CONT.
/ =LOCATED ON CONT.

HALL

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SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

RB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I FLOOR-MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (205 ITEMS)

RUN DATE 01/25/83
RUN TIME 00.41.19
PAGE 10

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ MTNG	SAFE SHTDN	QUAL STATUS
1T48*LS 061	COND LEVEL	407	CD	MAGNETROL	SC73	YES	43235-1	HBT	17 F2	HS	H
1T48*PHL-48	HYD RECONB POWER CABIN	289	PD	ATOMICS INT	SC112	YES	56083	HBT	14 F2	N	H
1T48*PHL-68	GAS ANALYZER-DRYHELL	344	PD	DELPHI IND	SC112	YES	1035-1	HBT	18 F2	N	H
1T48*PHL-69	GAS ANALYZER-SUPPR CHM	344	PD	DELPHI IND	SC112	YES	1035-1	HBT	18 F2	N	H
1T48*RC-002	HYD RECONB UNIT	289	PD	ATOMICS INT	SC112	YES	54591-2	HBT	14 F2	N	H
1Z93*LT 001	SUPPRESSION POOL LEVEL	406	CD	ROSEMOUNT	SC8	YES	127516	SAT	60+ F2	CS,HS	H
1Z93*PT 003	DRYHELL PRESSURE	406	CD	ROSEMOUNT	SC98	YES	108025	HBT	60+ F2	CS,HS	H
1Z93*PT 004	SUPP POOL PRESS	406	CD	ROSEMOUNT	SC40	YES	108025	HBT	60+ F2	CS,HS	H
1Z93*TE 110	RV092ACL DISCHARGE-1FT	406	CD	ROSEMOUNT	PL28			HBT	F4	N	B
1Z93*TE 111	RV092BDE DISCHARGE-1FT	406	CD	ROSEMOUNT	PL28			HBT	F4	N	B
1Z93*TE 112	RV092KG DISCHARGE-1FT	406	CD	ROSEMOUNT	PL28			HBT	F4	N	B
1Z93*TE 113	RV092FHJ DISCHARGE-1FT	406	CD	ROSEMOUNT	PL28			HBT	F4	N	B
1Z93*TE 132	RV092ACL DISCHARGE-2FT	406	CD	ROSEMOUNT	PL28			HBT	F2	N	B
1Z93*TE 133	RV092BDE DISCHARGE-2FT	406	CD	ROSEMOUNT	PL28			HBT	F2	N	B
1Z93*TE 134	RV092KG DISCHARGE-2FT	406	CD	ROSEMOUNT	PL28			HBT	F2	N	B
1Z93*TE 135	RV092FHJ DISCHARGE-2FT	406	CD	ROSEMOUNT	PL28			HBT	F2	N	B

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STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY 1 EQUIPMENT
BOP QUALIFICATION LEVEL (220 ITEMS)

RUN DATE 01/25/83
RUN TIME 08.42.37
PAGE 1

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHDN	QUAL STATUS
1B21*TE-037	HH STN TURB AREA	406	CD	ROSEHONT	042	YES	2767	SAT	35+	F4	CS,HS	H
1D11*PNL-021	RBSBVS MONITORING PANE	332	PD	NHC	063	YES	45493-1	HBT	13	F	N	H
1D11*PNL-022	RBSBVS MONITORING PANE	332	PD	NHC	063	YES	45493-1	HBT	13	F	N	H
1D11*PNL-025	CONT ROOM MONITOR PNL	332	PD	NHC	044	YES	45493-1	HBT	14	F2	N	H
1D11*PNL-026	CONT ROOM MONITOR PNL	332	PD	NHC	044	YES	45493-1	HBT	14	F2	N	H
1D11*PNL-027	CONT RM VENT MONIT PNL	332	PD	NHC	063	YES	45493-1	HBT	13	F	N	H
1D11*PNL-066	POST ACCOUNT MON	332	PD	NHC	063	YES	45493-1	HBT	14	F	N	H
1D11*PNL-067	POST ACCDNT MONITORS	332	PD	NHC	063	YES	45493-1	HBT	14	F	N	H
1D11*PNL-068	POST ACCDNT MONITORS	332	PD	NHC	063	YES	45493-1	HBT	14	F	N	H
1D11*PNL-069	POST ACCDNT MONITORS	332	PD	NHC	063	YES	45493-1	HBT	14	F	N	H
1D11*PNL-080	RAD MON PNL	332	PD	NHC	063	YES	45493-1	HBT	6	F2	N	H
1D11*PNL-117	RAD MON SYS IND	475	PD	KAHAN	063					F2		B
1D11*PNL-126	STA VENT MONITOR	475	PD	KAHAN	063	YES	16435	HBT	4	F	N	H
1D11*PNL-134	RB SVS MONITOR	475	PD	KAHAN	113	YES	16435	HBT	4	F	N	H
1D11*PNL-135	MICROCOMP FOR PNL126	475	PD	KAHAN	063	YES	16435-A	HBT	19	F	N	H
1D11*PNL-137	MICROCOMP FOR PNL134	475	PD	KAHAN	063	YES	16435-A	HBT	19	F	N	H
1D11*RN-027	CR ATH NOZZLE	332	PD	NHC	CB063			HBT		F	CS,HS	D/Z
1G11*LTS-642	TK56 LEVEL	473	CD	DELAVAL	063					F		B
1G11*LTS-645	RB FLOOD LEVEL	473	CD	DELAVAL	063					F2		B
1H11*HCB-01	MAIN CONTROL BOARD	120	CD	RELIANCE	063	YES	48331-1	SA/HST	16	F	CS,HS	H
1H11*PNL-AC1	H2&O2 ANAL&PST ACC SAM	125	CD	RELIANCE	063		RCAP-001-0	SA	13	F	CS	B

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LILCO DOCKET 50-322

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STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY 1 EQUIPMENT
BOP QUALIFICATION LEVEL (220 ITEMS)

RUN DATE 01/25/83
RUN TIME 08.42.37
PAGE 2

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC DIV. NO. RESP	VENDOR	BLOG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE MTNG	SAFE SHDN	QUAL STATUS
1H11*PNL-AC2	H2&O2 ANAL&PST ACC SAM	125 CD	RELIANCE	063		RCAP-001-0	SA	13	F	CS	B
1H11*PNL-BR1	BUFFER RELAY CAB	125 CD	RELIANCE	044	YES	99AX400536	SA/HST	37	F	CS,HS	B
1H11*PNL-HXP	MISC CONTROL PANEL	125 CD	RELIANCE	063	YES	99AX400590	SA/HST	17	F	CS,HS	B
1H11*PNL-PCH	PRI CONT MONITOR PANEL	125 CD	RELIANCE	063	YES	99AX400666	SA/HST	14	F	N	B
1H11*PNL-VC1	TB & MISC VENT	125 CD	RELIANCE	063	YES	99AX400536	SA/HST	17	F	CS	B
1H11*PNL-VC2	RB VENT	125 CD	RELIANCE	063	YES	99AX400536	SA/HST	17	F	CS	B
1H21*PNL-AX1	AUX RELAY	125 CD	RELIANCE	044	YES	99AX400590	SA/HST	32	F	CS,HS	B
1H21*PNL-AX2	AUX RELAY	125 CD	RELIANCE	044	YES	99AX400590	SA/HST	32	F	CS,HS	B
1H21*PNL-AX3	AUX RELAY PANEL AX3	125 CD	RELIANCE	063	YES	AAI-131	SA/HST	22	F	CS,HS	B
1H21*PNL-AX5	AUX RELAY PANEL AX5	125 CD	RELIANCE	063	YES	AAI-131	SA/HST	22	F	CS,HS	B
1H21*PNL-AX6	AUX RELAY PANEL AX6	125 CD	RELIANCE	063	YES	AAI-131	SA/HST	22	F	CS,HS	B
1H21*PNL-VX1	VENT AUX RELAY	125 CD	RELIANCE	044	YES	99AX0536-VX1	SA/HST	34	F	CS,HS	B
1H21*PNL-VX2	VENT AUX RELAY	125 CD	RELIANCE	044	YES	99AX0536-VX1	SA/HST	34	F	CS,HS	B
1H21*PNL-VX3	VENT AUX RELAY	125 CD	RELIANCE	044	YES	99AX0536-VX1	SA/HST	23	F	CS,HS	B
1H21*PNL-060	ELEC ANAL INSTR RH	125 CD	RELIANCE	044	YES	99AX400679	SA/HST	33	F	CS,HS	H
1H43*HS003	FIRE DET SW STA	319 ED	POWERS REG	044	YES	43812-1	HBT	24	F3	CS,HS	H
1H43*HS006	FIPE DET SW STA	319 ED	POWERS REG	025	YES	43812-1	HBT	24	F3	CS,HS	H
1H43*PNL-C01	C02 DETEC PNL RELAY R1	238 PD	RELIANCE	044	YES	44204-1	HBT	17	F2	N	H
1H43*PNL-C02	C02 SUPVR PNL BATTERY	238 PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H
1H43*PNL-C03	C02 SUPVR PNL BATTERY R	238 PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H
1H43*PNL-C04	C02 SUPVR PNL BATTERY R	238 PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H

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STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY EQUIPMENT
BOP QUALIFICATION LEVEL (220 ITEMS)

RUN DATE 01/25/83
RUN TIME 08.42.37
PAGE 3

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHUTDN	QUAL STATUS
1H43*PNL-C05	C02 SUPVR PNL DSL RH 1	238	PD	RELIANCE	015	YES	44204-1	HBT	17	F	N	H
1H43*PNL-C06	C02 SUPVR PNL DSL RH 1	238	PD	RELIANCE	015	YES	44204-1	HBT	17	F	N	H
1H43*PNL-C07	C02 SUPVR PNL DSL RH 1	238	PD	RELIANCE	015	YES	44204-1	HBT	17	F	N	H
1H43*PNL-C08	C02 SUPVR PNL EMER SHG	238	PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H
1H43*PNL-C09	C02 SUPVR PNL EMER SHG	238	PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H
1H43*PNL-C10	C02 SUPVR PNL EMER SHG	238	PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H
1H43*PNL-C11	C02 SUPVR PNL COMPUTER	238	PD	RELIANCE	044	YES	44204-1	HBT	17	F	N	H
1H50*AOV062	RBSVS & CRAC	423	CD	FISHER	071	YES	CD76-82	SAT	23	P2	CS,HS	H
1H50*AOV063	RBSVS & CRAC	423	CD	FISHER	071	YES	CD76-82	SAT	23	P2	CS,HS	H
1H50*AOV068	CHILLED WTR ISO BY	318	CD	COPEES VULCAN	071	YES	10.3.115	SA	124	P2	CS,HS	H
1H50*AOV069	CHILLED WTR ISO BY	318	CD	COPEES VULCAN	075	YES	10.3.115	SA	124	P2	CS,HS	H
1H50*FE-043	CHILLER DISCH	440	CD	PERHUTIT	CB072	YES	NH(B)-220-CZC	SA	60+	P2	CS	F/Z
1H50*FT-043	HC-3 EVAP	406	CD	ROSEMONT	063	YES	127516	SBT	50	F2	CS,HS	H
1H50*FT-053	HC-4 EVAP	406	CD	ROSEMONT	063	YES	127516	SBT	50	F2	CS,HS	H
1H50*LCV025	CH SYSTEM A MAKEUP	318	CD	COPEES VULCAN	072	YES	10.3.115	SA	124	P2	CS,HS	H
1H50*LS 002	ISOL BYP V AOV68A,69A	407	CD	MAGNETROL	063	YES	43235-1	HBT	17	F2	HS	H
1H50*LS 025	CH SYSTEM A MAKEUP	407	CD	MAGNETROL	063	YES	43235-1	HBT	17	F2	HS	H
1H50*HOV031	CH RETURN	197	PD	PRATT	071	YES	D-0034-7	SA	394	P2	CS,HS	H
1H50*HOV032	CH SUPPLY	197	PD	PRATT	075	YES	D-0034-7	SA	394	P2	CS,HS	H
1H50*HOV033	CH RETURN CROSSOVER	197	PD	PRATT	071	YES	D-0034-7	SA	394	P2	CS,HS	H
1H50*HGV034	CH SUPPLY CROSSOVER	197	PD	PRATT	075	YES	D-0034-7	SA	394	P2	CS,HS	H

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STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (220 ITEMS)

RUN DATE 01/25/83
RUN TIME 08.42.37
PAGE 4

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC DIV. NO. RESP	VENDOR	BLOG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHTDN	QUAL STATUS
1H50WP-137	RBSVS & CRAC CH PUMPS	62G PD	GOULD PUMPS	063	YES	HE-326	SA	81	F2	CS,HS	H
1H50WP-138	RBSVS & CRAC CH PUMPS	62G PD	GOULD PUMPS	063	YES	HE-326	SA	81	F2	CS,HS	H
1H50WP-139	RBSVS & CRAC COND PUMP	62W PD	WORTHINGTON	063	YES	DHA-000047	SA	31	F2	CS,HS	H
1H50WP-140	RBSVS & CRAC COND PUMP	62W PD	WORTHINGTON	063	YES	DHA-000047	SA	31	F2	CS,HS	H
1H50WPCV019	RBSV H50 DIFF PRESS	310 CD	FISHER CONTROL	063	YES	2-24451	SA/SAT	25	P2	CS	H
1H50WPD019	RBSVS H50 DIF PR	406 CD	ROSEMONT	063	YES	127516	SBT	50	F2	CS,HS	H
1H50WPNL-03	CHILLER CONTROL PANEL	106 PD	TPANE CO	063	YES	NUC-102	SA	13	F2	CS,HS	H
1H50WPNL-04	CHILLER CONTROL PANEL	106 PD	TRANE	063	YES	NUC-102	SA	13	F2	CS,HS	H
1H50WRV091	CHILLED H2O SURGE TANK	191 CD	LONERGAN	072	YES	502644	SA	60	P2		F
1H50WTE 089	RBSVS CHILLED WTR SYS	406 CD	ROSEMOUNT	070	YES	2767	SAT	35+	F2	CS,HS	H
1H50WTK-088	RBSVS & CRAC-SURGE TAN	114 PD	BUFFALO TANK	063	YES	MM(B)-122-1A	SA	45	F2	CS,HS	H
1H50WTC-003	RBSVS & CRAC WTR CHILL	106 PD	TRANE CO	063	YES	NUC-102	SA	31	F2	CS,HS	H
1H50WTC-004	RBSVS & CRAC WTR CHOLL	106 PD	TRANE CO	063	YES	NUC-102	SA	31	F2	CS,HS	H
1H11WMOV031	2ND STAGE REHEAT STH	88V PD	VELAN	051	YES	SR-6262	SA/SAT	33+	P2	HS	H
1H11WMOV036	MISC STH FROM HOR ISO	88V PD	VELAN	051	YES	SR-6262	SA/SAT	33+	P	HS	H
1H11WMOV041	AUXILIARY STEAM SUPPLY	88V PD	VELAN	051	YES	SR-6181	SA/SAT	33+	P	CS	H
1P41WAOV016	DIESEL HX E-13A OUTLET	423 CD	FISHER	025	YES	CD76-82	SA	23	P3	CS	H
1P41WFE 018	OUTLET DIESEL HX E-13A	440 CD	PERMUTIT	CB027	YES	MM(B) 220-CZC	SA	33+	P3	CS	F/Z
1P41WFE 054	COND WC-3 RETURN	440 CD	PERMUTIT	CB069	YES	MM(B) 220-CZC	SA	33+	P2	CS,HS	F/Z
1P41WFE 059	COND WC-4 INLET	440 CD	PERMUTIT	CB072	YES	MM(B) 220-CZC	SA	33+	P2	CS,HS	F/Z
1P41WFT 054	WC-3 COND WTR IN	406 CD	ROSEMONT	063	YES	127516	HBT	60+	F2	CS,HS	H

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RUN DATE 01/25/83
RUN TIME 00.42.37
PAGE 5

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHDN	QUAL STATUS
1P41WFT 059	WC-4 COND WTR IN	406	CD	ROSEMONT	063	YES	127516	HBT	60+	F2	CS,HS	H
1P41WMOV036A	VT CHILL WTR SPLY ISOL	197	PD	PRATT	012	YES	D-0034-3	SA	33+	P	CS,HS	H
1P41WMOV036B	VT CHILL WTR SPLY ISOL	197	PD	PRATT	012	YES	D-0034-3	SA	33+	P	CS,HS	H
1P41WMOV036C	VT CHILL WTR SPLY ISOL	197	PD	PRATT	050	YES	D-0034-4	SA	297	P	CS,HS	H
1P41WPS 008	SUCTION 1H50W-P-139B	348	CD	ASCO	063	YES	178	SAT	50+	F2	CS,HS	H
1P41WPS 009	SUCTION 1H50W-P-140B	348	CD	ASCO	063	YES	178	SAT	50+	F2	CS,HS	H
1P41WRV 019	OUTLET DIESEL HX-13	191	CD	LONERGAN	028	YES	502644	SA	60	P3		F
1P41WRV 064	CNTRL RH & RBSVS WC-3	191	CD	LONERGAN	072	YES	502644	SA	60	P2	HS	H
1P41WRV 065	CNTRL RH & RBSVS WC-4B	191	CD	LONERGAN	072	YES	502644	SA	60	P2	HS	H
1P41WTCV055	CNTRL RH & RBSVS WC-3	310	CD	FISHER CONT.	063	YES	CD76-20	SA	40	P6	CS,HS	H
1P41WTCV060	CNTRL RH & RBSVS WC-4	310	CD	FISHER CONT.	063	YES	CD76-20	SA	40	P6	CS,HS	H
1P41WTE 055	CNTRL RH & RBSVS WC-3	406	CD	ROSEMONT	068	YES	2767	SAT	35+	F2	CS,HS	H
1P41WTE 060	CNTRL RH & RBSVS WC-4	406	CD	ROSEMONT	068	YES	2767	SAT	35+	F2	CS,HS	H
1R22WSHG-101	4.16KV EMER BUS 101	39	ED	GEN ELEC CO	025	YES	300-91059	DA/SAT	8	F	CS,HS	H
1R22WSHG-102	4.16KV EMER BUS 102	39	ED	GEN ELEC CO	025	YES	300-91059	DA/SAT	8	F	CS,HS	H
1R22WSHG-103	4.16KV EMER BUS 103	39	ED	GEN ELEC CO	025	YES	300-91059	DA/SAT	8	F	CS,HS	H
1R23WPHL-001	480V LOAD RESET PANEL1	125	CD	RELIANCE	025	YES	AA1-125	SA/SAT	24	F	CS,HS	B
1R23WPHL-002	480V LOAD RESET PANEL2	125	CD	RELIANCE	025	YES	AA1-125	SA/SAT	24	F	CS,HS	B
1R23WPHL-003	480V LOAD RESET PANEL3	125	CD	RELIANCE	025	YES	AA1-125	SA/SAT	24	F	CS,HS	B
1R23WSHG-111	480V EMER SHGR BUS 111	95	ED	ITE	025	YES	33-48359	HBT	5	F	CS,HS	H
1R23WSHG-112	480V EMER SHGR BUS 112	95	ED	ITE	025	YES	33-48359	HBT	5	F	CS,HS	H

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1R23*SHG-113	480V EMER SHGR BUS 113	95	ED	ITE	025	YES	33-48359	HBT	5	F	CS,HS	H
1R24*HCC1115	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS	H
1R24*HCC1116	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS	H
1R24*HCC1125	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS	H
1R24*HCC1126	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS	H
1R24*HCC1133	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS	H
1R24*HCC1134	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS	H
1R35*PNL-B1	EMER 120V PNL B1-REL R	124	ED	SYSTEM CONT	044	YES	15074	SAT	21	F	CS,HS	H
1R35*PNL-B3	EMER 120/240V PANEL	124	ED	SYSTEM CONT	020	YES	15074	SAT	21	F	CS,HS	H
1R35*PNL-R1	EMER 120V PNL R1-REL R	124	ED	SYSTEM CONT	044	YES	15074	SAT	21	F	CS,HS	H
1R35*PNL-R3	EMER 120/240V PANEL	124	ED	SYSTEM CONT	020	YES	15074	SAT	21	F	CS,HS	H
1R35*PNL-01	EMER 120V PNL 01-REL R	124	ED	SYSTEM CONT	044	YES	15074	SAT	21	F	CS,HS	H
1R35*PNL-02	EMER 120/240V PANEL	124	ED	SYSTEM CONT	020	YES	15074	SAT	21	F	CS,HS	H
1R35*T-B1	XFMR-EMER 120V PNL B1	248	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	F
1R35*T-B3	XHFR-EMER 120V PNL B3	248	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	F
1R35*T-R1	XFMR-EMER 120V PNL R1	248	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	F
1R35*T-R3	XHFR-EMER 120V PNL R3	248	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	F
1R35*T-01	XFMR-EMER 120V PNL 01	248	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	F
1R35*T-02	XHFR-EMER 120V PNL 02	248	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	F
1R35*T-201	XFR-HTR SPACE HTR-BUS	248	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	F
1R35*T-202	XFR-HTR SPACE HTR-BUS	248	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	F

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1R35-T-203	XFR-HTR SPACE HTR-BUS	248	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	F
1R42-BA-A1	125VOLT BATTERY	116	ED	GOULD INC	025	YES	42795	HBT	40+	F	CS,HS	H
1R42-BA-B1	125VOLT BATTERY	116	ED	GOULD INC	025	YES	42795	HBT	40+	F	CS,HS	H
1R42-BA-C1	125VOLT BATTERY	116	ED	GOULD INC	025	YES	42795	HBT	40+	F	CS,HS	H
1R42-BC-A1	125VOLT BATTERY CHARGE	118	ED	SOLIDSTATE	025	YES	3/29/76	SAT	8	F	CS,HS	H
1R42-BC-B1	125VOLT BATTERY CHARGE	118	ED	SOLIDSTATE	025	YES	3/29/76	SAT	8	F	CS,HS	H
1R42-BC-C1	125VOLT BATTERY CHARGE	119	ED	SOLIDSTATE	025	YES	3/29/76	SAT	8	F	CS,HS	H
1R42-PNL-A1	125 VDC DIST PANEL BUS	124	ED	SYSTEM CONT	025	YES	15074	SAT	21	F	CS,HS	H
1R42-PNL-A2	125 VDC DIST PANEL BUS	124	ED	SYSTEM CONT	044	YES	15074	SAT	21	F	CS,HS	H
1R42-PNL-B1	125 VDC DIST PANEL BUS	124	ED	SYSTEM CONT	025	YES	15074	SAT	21	F	CS,HS	H
1R42-PNL-B2	125 VDC DIST PANEL BUS	124	ED	SYSTEM CONT	044	YES	15074	SAT	21	F	CS,HS	H
1R42-PNL-C1	125 VDC DIST PANEL BUS	124	ED	SYSTEM CONT	025	YES	15074	SAT	21	F	CS,HS	H
1R42-PNL-C4	125 VDC DST PNL-BLK-B5	124	ED	SYSTEM CONT	025	YES	15074	SAT	21	F	CS,HS	H
1R42-SHG-A1	125 VDC SHG BATTERY BU	95	ED	ITE	025	YES	33-51266	HBT	5	F	CS,HS	H
1R42-SHG-B1	125 VDC SHG BATTERY BU	95	ED	ITE	025	YES	33-51266	HBT	5	F	CS,HS	H
1R42-SHG-C1	125 VDC SHG BATTERY BU	95	ED	ITE	025	YES	33-51266	HBT	5	F	CS,HS	H
1R43-G-101	EMER DIESEL GENERATOR	89	ED	DE LAVAL	025	YES	11001	DA	4	F18	CS,HS	H
1R43-G-102	EMER DIESEL GENERATOR	89	ED	DE LAVAL	025	YES	11001	SAT	4	F18	CS,HS	H
1R43-G-103	EMER DIESEL GENERATOR	89	ED	DE LAVAL	025	YES	11001	SAT	4	F18	CS,HS	H
1R43-LS 004	FUEL OIL AUX DAY TK	407	CD	MAGNETROL	022	YES	43235-1	SAT	17	F3	N	H
1R43-LS 007	FUEL OIL AUX DAY TK	407	CD	MAGNETROL	022	YES	43235-1	SAT	17	F3	N	H

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1R43*TK-135	FUEL OIL DAY	114	PD	BUFFALO TANK	044	YES	HH(B)-134-IA	SA	27	F3	CS	H
1R81*MT-012	HT TRACING TRANSFER	248	ED	MAGNETICS	025		43424-1	HBT	9	F2	CS,HS	F
1T48*PNL-ACH	PC ATH CNTRL	125	CD	RELIANCE	063	YES	99AX400600	SA/SAT	19	F	N	B
1T48*PNL-A2	HYD RECOMBINER CONT CA	289	PD	ATONICS INT	063	YES	54521-4	HBT	6	F2	N	H
1T48*RK-25	HYDRO RECOMB CONT CABI	344	ED	DELPHI IND	063	YES	1035-5	SA/SAT	29	F2	N	H
1T48*RK-26	HYDRO RECOMB CONT CABI	344	ED	DELPHI IND	063	YES	1035-5	SA/SAT	29	F2	N	H
1X41*ACU-14	COMP, RELAY&EM SHGR RH	240	PD	BAHNSON CO	044	YES	A-47-75-01	SA	39	F2	CS,HS	H
1X41*DHMPF	FIRE DAMPERS	54	PD	AIR BALANCE	044	YES	AB1-SH-009	SAT	94	F30	CS,HS	H
1X41*FN-029	RELAY&EM SHGR RET FN	270	PD	BUFFALO FORGE	053	YES	745-11139	SA	26	F2	CS,HS	H
1X41*FN-039	CR CHILL EQUIP RH EXH	270	PD	BUFFALO FORGE	067	YES	745-11140A	SA	57	F2	CS,HS	H
1X41*FN-072	BATTERY RH VENTILATION	270	PD	BUFFALO FORGE	035	YES	745-11140C	SA	105	F3	CS,HS	H
1X41*FS 013	ACU-14 AIR FLOW	319	ED	POWERS REG	031	YES	43812-1	HBT	24	F2	CS,HS	H
1X41*FS 017	FN-29 AIR FLOW	319	ED	POWERS REG	044	YES	43812-1	HBT	24	F2	CS,HS	H
1X41*HE 021	ACU-14 COOLING CNTRL	319	ED	POWERS REG	044	YES	43812-1	HBT	24	F2	CS,HS	H
1X41*HIT021	ACU-14 COOLING CNTRL	319	ED	POWERS REG	049	YES	43812-1	HBT	24	F2	CS,HS	H
1X41*HOD031	FN-039 OUTDOOR AIR	319	ED	POWERS REG	063	YES	43812-1	HBT	24	F2	CS,HS	H
1X41*HOD032	FN-039 EXHAUST AIR	319	ED	POWERS REG	064	YES	44540-1	HBT	27	F2	CS,HS	H
1X41*HOD035	ACU-14A DISCHARGE AIR	319	ED	POWERS REG	040	YES	43812-1	HBT	24	F2	CS,HS	H
1X41*HOD036	ON FAN FN-29A& B	319	ED	POWERS REG	044	YES	43812-1	HBT	24	F2	CS,HS	H
1X41*HOD039	FN-72 OUTDOOR AIR	319	ED	POWERS REG	037	YES	44057-1	HBT	21	F3	CS,HS	H
1X41*HOD040	FN-72 EXHAUST AIR	319	ED	POWERS REG	041	YES	44057-1	HBT	21	F3	CS,HS	H

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1X41*H00041	FN-72 RETURN AIR	319	ED	POHERS REG	035	YES	44057-1	HBT	21	F3	CS,HS	H
1X41*H00059	RELAY & CMPT R RH TEMP	319	ED	POHERS REG	044	YES	44057-1	HBT	21	F2	CS,HS	H
1X41*PMLVC16	VENT CONTROL PANEL	319	ED	POHERS REG	025	YES	1001-6	SA/SAT	24	F	N	H
1X41*PMLVC17	VENT CONTROL PANEL	319	ED	POHERS REG	025	YES	1001-6	SA/SAT	24	F	N	H
1X41*PMLVC18	VENT CONTROL PANEL	319	ED	POHERS REG	025	YES	1001-6	SA/SAT	24	F	N	H
1X41*PMLVC19	VENT CONTROL PANEL	319	ED	POHERS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X41*PMLVC20	VENT CONTROL PANEL	319	ED	POHERS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X41*PMLVC21	VENT CONTROL PANEL	319	ED	POHERS REG	044	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X41*TCV021	ACU-14 COOLING COIL	310	CD	FISHER CONT.	053	YES	2-24451	SA	25	P2	CS	H
1X41*TE 018	FN-72 DAMPER CONTROL	319	ED	POHERS REG	030	YES	43812-1	HBT	24	F3	CS,HS	H
1X41*TE 021	ACU-14 COOLING CONT	406	CD	ROSEMOUNT	044	YES	2767	SAT	35+	F2	CS,HS	H
1X41*TIS031	FN-39 CONTROL	319	ED	POHERS REG	068	YES	43812-1	HBT	24	F2	CS,HS	H
1X41*TT-001	RH TEMP IND	319	ED	POHERS REG	025	YES	43812-1	HBT	24	F2	N	H
1X41*TT-002	RH TEMP IND	319	ED	POHERS REG	025	YES	43812-1	HBT	24	F2	N	H
1X41*TT-003	RH TEMP IND	319	ED	POHERS REG	025	YES	43812-1	HBT	24	F2	N	H
1X41*TT-004	RH TEMP IND	319	ED	POHERS REG	044	YES	43812-1	HBT	24	F2	N	H
1X41*TT-005	RH TEMP IND	319	ED	POHERS REG	044	YES	43812-1	HBT	24	F2	N	H
1X41*TT-006	CHILLER EQUIP RH TEMP	319	ED	POHERS REG	068	YES	43812-1	HBT	24	F2	N	H
1X41*TT-007	BAT RH TEMP	319	ED	POHERS REG	039	YES	43812-1	HBT	24	F2	N	H
1X41*TT-009	COMPUTER RH TEMP	319	ED	POHERS REG	044	YES	43812-1	HBT	24	F2	N	H
1X60*FN-028	DIESEL GEN RH SUPPLY F	270	PD	BUFFALO FORGE	040	YES	745-11138	SA	20	F3	CS,HS	H

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SINGLE AXIAL TESTING

SBT=SINGLE FREQUENCY
BIAXIAL TESTING

N =NEITHER CS OR HS
Z =PASSIVE ITEM
(SORT PAPER NOT
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REVISION 6 -JANUARY 1983

NOTE: NUMBER IN
'TYPE MTNG' COLUMN IS
QUANTITY OF ITEMS.

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

CB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (220 ITEMS)

RUN DATE 01/25/83
RUN TIME 08.42.37
PAGE 10

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLOG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHTDN	QUAL STATUS
1X60WHD031	FN-28 OUTDOOR AIR	319	ED	POWERS REG	038	YES	44057-1	HBT	21	F3	CS	H
1X60WHD032	FN-39 HOT DAMPER	319	ED	POWERS REG	030	YES	44057-1	HBT	21	F3	CS	H
1X60WHD033	FN-28 RETURN AIR	319	ED	POWERS REG	038	YES	44057-1	HBT	21	F3	CS	H
1X60WPNLVC13	VENT CONTROL PANEL	319	ED	POWERS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X60WPNLVC14	VENT CONTROL PANEL	319	ED	POWERS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X60WPNLVC15	VENT CONTROL PANEL	319	ED	POWERS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X61WACU-07	CONTROL ROOM A/C UNITS	240	PD	BAHNSON CO	063	YES	A-47-75-01	SA	39	F2	CS,HS	H
1X61WAD037	CHTRL RH ISOL	319	ED	POWERS REG	063	YES	44540-1	HBT	27	F3	CS,HS	H
1X61WAOV036	CHTRL RH ISOL	111	PD	FISHER	063	YES	CD75-35	SA/SAT	17+	P2	CS	H
1X61WAOV038	CHTRL RH ISOL	111	PD	FISHER	073	YES	CD75-35	SA/SAT	21	P2	CS	H
1X61WAOV039	CHTRL RH ISOL	111	PD	FISHER	063	YES	CD75-35	SA/SAT	21	P2	CS	H
1X61WDHPF	FIRE DAMPERS	54	PD	AIR BALANCE	063	YES	AB1-SH-009	SAT	9+	F8	CS,HS	H
1X61WFLT-02	CRAC FILTER TRAINS	105	PD	FARR CO	063	YES	D-56302	SA/SAT	17	F2	CS,HS	H
1X61WFN-025	CONTROL ROOM BOOSTER F	102	PD	BUFFALO FORGE	063	YES	745-4234A	SA	27	F2	CS,HS	H
1X61WFS 011	FN-25 CNTRL	319	ED	POWERS REG	063	YES	43812-1	HBT	24	F2	CS,HS	H
1X61WFS 012	ACU-7 AIR FLOW	319	ED	POWERS REG	063	YES	43812-1	HBT	24	F3	CS,HS	H
1X61WHS 038	1X61WAOV038 CONTROL	319	ED	POWERS REG	066	YES	43812-1	HBT	24	F2	CS,HS	H
1X61WHE-021	ACU-7 CNTRL	319	ED	POWERS REG	063	YES	43812-1	HBT	24	F2	CS,HS	H
1X61WHD033	FN-25 DISCH AIR	319	ED	POWERS REG	063	YES	44540-1	HBT	27	F2	N	H
1X61WHD034	ACU-7 DISCHARGE AIR	319	ED	POWERS REG	063	YES	43812-1	HBT	24	F2	CS,HS	H
1X61WHDV031	CNTRL RH ISOL	111	PD	FISHER	063	YES	CD75-35	SA/SAT	22+	P2	CS	H

CS =COLD SHUT DOWN
DA =DYNAMIC ANALYSIS
F =FLOOR MOUNTED
HS =HOT STANDBY
HBT=MULTI-FREQUENCY
BIAXIAL TESTING
HST=MULTI-FREQUENCY
SINGLE AXIAL TESTING

P =PIPE MOUNTED
* TEST ARTICLE
QP = QUALIFIED BY
PIPING ANALYSIS
SA =STATIC ANALYSIS
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SHOREHAM UNIT 1
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LILCO DOCKET 50-322

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STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (220 ITEMS)

RUN DATE 01/25/83
RUN TIME 08.42.37
PAGE 11

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC DIV. NO. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHTDN	QUAL STATUS
1X61*H0V032	CNTRL RH ISOL	111 PD	FISHER	063	YES	CD75-35	SA/SAT	22+	P2	CS	H
1X61*TCV021	ACU-7A COOLING UNIT	310 CD	FISHER CONT.	071	YES	2-24451	SA	25	P2	CS	H
1X61*TE 021	ACU COOLING CONT	406 CD	ROSEMOUNT	067	YES	2767	SAT	35+	F2	CS,HS	H
1Z95*ENC SX1	SXS ENCLOSURE	125 CD	RELIANCE	044		99AX400827	SA	61	F		B
1Z95*ENC SX2	SXS ENCLOSURE	125 CD	RELIANCE	044		99AX400827	SA	61	F		B
1Z95*ENC SX3	SXS ENCLOSURE	125 CD	RELIANCE	044		99AX400827	SA	61	F		B
1Z95*ENC SX4	SXS ENCLOSURE	125 CD	RELIANCE	044		99AX400827	SA	61	F		B
1Z97*PHLER1	MULTIPLEX CAB	125 CD	RELIANCE	044		99AX401437	SA	14	F		B
1Z97*PHLER2	MULTIPLEX CAB	125 CD	RELIANCE	044		99AX401437	SA	14	F		B
1Z97*PHLER3	MULTIPLEX CAB	125 CD	RELIANCEV	044		99AX401437	SA	14	F		B

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SINGLE AXIAL TESTING

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STONE & WEBSTER ENGIN. IG CORPORATION
REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)

RUN DATE 01/25/83
RUN TIME 12.05.39
PAGE 1

1 HAPH NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		OPERATOR		6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	YORK		OPER	
1B21WMOV031	3/1	SR-6060	88V	PC	2.4	1.1	LIHITORQUE	SHB-00-10		H	H
1B21WMOV032	3/1	SR-6060	88V	SC	3.2	1.3	LIHITORQUE	SHB-000-5 *		H	H
1B21WMOV034	3	SR-6060	88V	SC	1.2	1.4	LIHITORQUE	SHB-00-7.5		H	H
1B21WMOV035A	20/1	20-1500GL09	88AD	SC	9.8	2.4	LIHITORQUE	SHB-1-40		H	H
1B21WMOV035B	20/1	20-1500GL09	88AD	SC	7.5	3.5	LIHITORQUE	SHB-1-40		H	H
1B21WMOV061	2/1	SR-6188	253	SC	1.8	1.0	LIHITORQUE	SHB-00-10		G	G
1B21WMOV062	2/1	SR-6188	253	SC	1.4	1.7	LIHITORQUE	SHB-00-10		G	G
1B21WMOV063	2/1	SR-6188	253	SC	2.0	1.2	LIHITORQUE	SHB-00-10		G	G
1B21WMOV064	2/1	SR-6188	253	SC	1.8	1.2	LIHITORQUE	SHB-00-10		G	G
1B21WMOV068A	2/1	SR-6188	253	SC	1.4	.9	LIHITORQUE	SHB-000-5		H	H
1B21WMOV068B	2/1	SR-6188	253	SC	1.5	1.8	LIHITORQUE	SHB-000-5		H	H
1B21WMOV068C	2/1	SR-6188	253	SC	1.8	.9	LIHITORQUE	SHB-000-5		H	H
1B21WMOV068D	2/1	SR-6188	253	SC	1.4	1.1	LIHITORQUE	SHB-000-5		H	H
1B21WMOV083	2/1	SR-6188	253	PC	2.0	1.2	LIHITORQUE	SHB-000-5		H	H
1B21WMOV084	2/1	SR-6188	253	PC	1.6	1.2	LIHITORQUE	SHB-000-5		H	H
1B21WMOV085	2/1	SR-6188	253	PC	1.8	1.5	LIHITORQUE	SHB-000-5		H	H
1B21WMOV313A	.75	HR5265683271	600	SC	1.5	1.3	---	---		H	-
1B21WMOV313B	.75	HR5265683271	600	SC	1.5	1.3	---	---		H	-
1B21WMOV314A	.75	HR5265683271	600	SC	1.5	1.3	---	---		H	-

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3. CL 1 VALVES < OR = 1 IN. ARE FLOOR-MOUNTED (EHTP-9.5)
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5. PRESENT QUALIFICATION VALID FOR OPERATOR LOADS < OR = 3 G'S HORIZONTAL AND VERTICAL (FAULTED)
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SHOREHA IT 1
JOD NUMBER 11600
LILCO DOCKET 50-322

RBPH LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINE LING CORPORATION
REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)

RUN DATE 01/25/83
RUN TIME 12.05.39
PAGE 2

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1B21W50V314B	.75	HR5265603271	600	SC	1.5	1.3	---	---	H	-
1B31WAOV001	.75	10.3.115	310	PC	1.0	2.5	COPEL	D-100-60	H	H
1B31WAOV002	.75	10.3.115	310	SC	.6	.6	COPEL	D-100-60	H	H
1C41WRV021A	1.5	502644	191	SC	2.6	2.7	---	---	F	-
1C41WRV021B	1.5	502644	191	SC	2.8	2.9	---	---	F	-
1D11WNOV032A	1	SR-6190	253	PC	2.3	2.3	LIMITORQUE	SHB-000-2	G	G
1D11WNOV032B	1	SR-6190	253	SC	2.3	.7	LIMITORQUE	SHB-000-2	G	G
1D11WNOV033A	1	SR-6190	253	PC	2.3	2.5	LIMITORQUE	SHB-000-2	G	G
1D11WNOV033B	1	SR-6190	253	SC	2.3	.7	LIMITORQUE	SHB-000-2	G	G
1E11WAOV061A	.75	10.3.115	310	SC	2.3	.7	COPEL	D-100-60	H	H
1E11WAOV061B	.75	10.3.115	310	SC	2.3	.7	COPEL	D-100-60	H	H
1E11WAOV062A	.75	10.3.115	310	SC	2.3	.7	COPEL	D-100-60	H	H
1E11WAOV062B	.75	10.3.115	310	SC	2.3	.7	COPEL	D-100-60	H	H
1E11WNOV031A	20	E5036-1,2	00AD	SC	7.6	1.1	LIMITORQUE	SHB-0-40	H	H
1E11WNOV031B	20	E5036-1,2	00AD	SC	6.0	.5	LIMITORQUE	SHB-0-40	H	H
1E11WNOV031C	20	E5036-1,2	00AD	SC	5.3	.5	LIMITORQUE	SHB-0-40	H	H
1E11WNOV031D	20	E5036-1,2	00AD	SC	5.8	.5	LIMITORQUE	SHB-0-40	H	H
1E11WNOV032A	20	E5036-1,2	00AD	SC	6.1	1.6	LIMITORQUE	SHB-0-40	H	H
1E11WNOV032B	20	E5036-1,2	00AD	SC	4.4	7.2	LIMITORQUE	SHB-0-40	H	H

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JOB NUMBER 11600
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STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)

RUN DATE 01/25/83
RUN TIME 12.05.39
PAGE 3

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	6 OPER LOAD-G'S		8 OPERATOR	9 MODEL NO.	10 QUAL STATUS	
					HOR	VER			YOKE	OPER
1E11*H0V032C	20	E5836-1,2	88AD	SC	4.1	5.8	LIMITORQUE	SHB-0-40	H	H
1E11*H0V032D	20	E5836-1,2	88AD	SC	5.2	6.5	LIMITORQUE	SHB-0-40	H	H
1E11*H0V033A	16	SR-6266	88V	SC	3.6	1.7	LIMITORQUE	SHB-1-60	H	H
1E11*H0V033B	16	SR-6266	88V	SC	4.2	2.6	LIMITORQUE	SHB-1-60	H	H
1E11*H0V034A	18	18-300A	88AD	SC	1.0	1.0	LIMITORQUE	SHB-3-150	H	H
1E11*H0V034B	18	18-300A	88AD	SC	1.5	1.9	LIMITORQUE	SHB-3-150	H	H
1E11*H0V035A	16	SR-6266	88V	SC	2.3	1.8	LIMITORQUE	SHB-1-60	H	H
1E11*H0V035B	16	SR-6266	88V	SC	3.0	4.0	LIMITORQUE	SHB-1-60	H	H
1E11*H0V036A	24	E5836-19	88AD	SC	3.2	2.9	LIMITORQUE	SHB-4-200	H	H
1E11*H0V036B	24	E5836-19	88AD	SC	7.6	2.2	LIMITORQUE	SHB-4-200	H	H
1E11*H0V037A	24/1	2422900GT07	88AD	SC	3.7	5.6	LIMITORQUE	SB-4-200	H	H
1E11*H0V037B	24/1	2422900GT07	88AD	SC	4.7	5.0	LIMITORQUE	SB-4-200	H	H
1E11*H0V038A	10	E5836-20	88AD	SC	5.8	1.3	LIMITORQUE	SHB-2-60	H	H
1E11*H0V038B	10	E5836-20	88AD	SC	3.5	1.5	LIMITORQUE	SHB-2-60	H	H
1E11*H0V039A	10	SR-6082	88V	SC	10.6	1.2	LIMITORQUE	SHB-0-25	F	B
1E11*H0V039B	10	SR-6082	88V	SC	4.5	3.8	LIMITORQUE	SHB-0-25	H	H
1E11*H0V040A	16	SR-6266	88V	SC	9.3	7.3	LIMITORQUE	SHB-1-60	H	H
1E11*H0V040B	16	SR-6266	88V	SC	9.0	3.7	LIMITORQUE	SHB-1-60	H	H
1E11*H0V041A	6	SR-6177	88V	SC	5.8	2.3	LIMITORQUE	SHB-00-15	H	H

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STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)

RUN DATE 01/25/83
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PAGE 4

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	6 OPER LOAD-G'S		7 SUPPLIER	8 MODEL NO.	9 QUAL STATUS	
					HOR	VER			YOKE	OPER
1E11*HOV041B	6	SR-6177	88V	SC	6.6	2.3	LIMITORQUE	SHB-00-15	F	F
1E11*HOV042A	16	E5036-4	88AD	SC	3.2	4.1	LIMITORQUE	SHB-3-80	H	H
1E11*HOV042B	16	E5036-4	88AD	SC	3.3	4.8	LIMITORQUE	SHB-3-80	H	H
1E11*HOV043A	4	SR-6180	88V	SC	1.2	.6	LIMITORQUE	SHB-00-15	H	H
1E11*HOV043B	4	SR-6180	88V	SC	1.6	1.0	LIMITORQUE	SHB-00-15	H	H
1E11*HOV044A	4	SR-6180	88V	SC	1.6	.6	LIMITORQUE	SHB-00-15	H	H
1E11*HOV044B	4	SR-6180	88V	SC	2.4	1.8	LIMITORQUE	SHB-00-15	H	H
1E11*HOV045A	4	SR-6180	88V	SC	1.4	1.1	LIMITORQUE	SHB-000-5	H	H
1E11*HOV045B	4	SR-6180	88V	SC	2.8	2.2	LIMITORQUE	SHB-000-5	H	H
1E11*HOV047	20/1	20900-GT06	88AD	PC	4.9	3.3	LIMITORQUE	SB-2-60	H	H
1E11*HOV048	20/1	20900-GT06	88AD	SC	4.4	3.8	LIMITORQUE	SB-2-60 *	H	H
1E11*HOV049	10	SR-6260	88V	SC	1.9	3.0	LIMITORQUE	SHB-2-80	H	H
1E11*HOV050	20	SR-6425	88V	SC	9.8	4.3	LIMITORQUE	SHB-2-60	F	F
1E11*HOV051	4	SR-6180	88V	SC	1.5	1.5	LIMITORQUE	SHB-00-7 1/2 *	H	H
1E11*HOV052	4	SR-6180	88V	SC	2.0	1.3	LIMITORQUE	SHB-00-10	H	H
1E11*HOV053	4	SR-6068	88V	SC	2.4	2.6	LIMITORQUE	SHB-00-10 *	H	H
1E11*HOV054	4/1	SR-6068	88V	PC	3.1	2.9	LIMITORQUE	SHB-00-15	H	H
1E11*HOV055A	1	SR-6190	253	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1E11*HOV055B	1	SR-6190	253	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H

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JOB NUMBER 11630
LILCO DOCKET 50-322

PEPM LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)

RUN DATE 01/25/83
RUN TIME 12.05.39
PAGE 5

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1E11wHOV056A	1	SR-6190	253	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1E11wHOV056B	1	SR-6190	253	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1E11wHOV057A	1	SR-6190	253	SC	2.3	.7	LIMITORQUE	SHB-000-2	G	G
1E11wHOV057B	1	SR-6190	253	SC	2.3	.7	LIMITORQUE	SHB-000-2	G	G
1E11wPCV003A	10	10.3.115	318	SC	2.9	3.0	COPEX	D-100-160	H	H
1E11wPCV003B	10	10.3.115	318	SC	.9	.6	COPEX	D-100-160	H	H
1E11wPCV007A	4	10.3.115	318	SC	1.2	.9	COPEX	D-100-100	H	H
1E11wPCV007B	4	10.3.115	318	SC	.6	1.3	COPEX	D-100-100	H	H
1E11wRV151A	1	502644	191	SC	1.5	1.3	—	—	F	—
1E11wRV151B	1	502644	191	SC	1.5	1.3	—	—	F	—
1E11wRV151C	1	502644	191	SC	1.5	1.3	—	—	F	—
1E11wRV151D	1	502644	191	SC	1.5	1.3	—	—	F	—
1E11wRV152A	4	502644	191	SC	4.0	2.3	—	—	F	—
1E11wRV152B	4	502644	191	SC	1.3	1.0	—	—	F	—
1E11wRV153A	1	502644	191	SC	1.5	1.3	—	—	F	—
1E11wRV153B	1	502644	191	SC	1.5	1.3	—	—	F	—
1E11wRV154	1	502644	191	SC	1.5	1.3	—	—	F	—
1E11wRV155	2	502644	191	SC	1.5	1.3	—	—	F	—
1E11wRV162A	1	502644	191	SC	1.5	1.3	—	—	F	—

QUALIFICATION MILESTONES

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SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

RBPB LIST
1-SORT
ACTIVE

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					HOR	VER	SUPPLIER	MODEL NO.	VOKE	OPER
1E11*RV162B	1	502644	191	SC	1.5	1.3	---	---	F	-
1E11*RV163	.75	502644	191	SC	1.5	1.3	---	---	F	-
1E11*RV164	.75	502644	191	SC	1.5	1.3	---	---	F	-
1E11*SOV166A	.75	HR5265603271	600	SC	1.5	1.3	---	---	H	-
1E11*SOV166B	.75	HR5265603271	600	SC	1.5	1.3	---	---	H	-
1E11*SOV167A	.75	HR5265603271	600	SC	1.5	1.3	---	---	H	-
1E11*SOV167B	.75	HR5265603271	600	SC	1.5	1.3	---	---	H	-
1E11*SOV168	.75	HR5265603271	600	SC	1.5	1.3	---	---	H	-
1E11*SOV169	.75	HR5265603271	600	SC	1.5	1.3	---	---	H	-
1E21*HOV031A	14	E5036-7	88AD	SC	2.4	2.0	LIMITORQUE	SHB-000-5	H	H
1E21*HOV031B	14	E5036-7	88AD	SC	3.5	.6	LIMITORQUE	SHB-000-5	H	H
1E21*HOV033A	10/1	SR-6259	88V	SC	7.9	2.1	LIMITORQUE	SHB-2-80	H	H
1E21*HOV033B	10/1	SR-6259	88V	SC	7.9	1.3	LIMITORQUE	SHB-2-80	H	H
1E21*HOV034A	3	SR-6183	88V	SC	1.4	.5	LIMITORQUE	SHB-000-5	H	H
1E21*HOV034B	3	SR-6183	88V	SC	3.4	1.4	LIMITORQUE	SHB-000-5	H	H
1E21*HOV035A	10	10-300GL	88AD	SC	1.0	2.2	LIMITORQUE	SHB-1-40	H	H
1E21*HOV035B	10	10-300GL	88AD	SC	1.0	2.2	LIMITORQUE	SHB-1-40	H	H
1E21*RV092A	.75	502644	191	SC	1.5	1.3	---	---	F	-
1E21*RV092B	.75	502644	191	SC	1.5	1.3	---	---	F	-

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					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1E21wRV093A	1.5	502644	191	SC	1.5	1.3	—	—	F	—
1E21wRV093B	1.5	502644	191	SC	1.5	1.3	—	—	F	—
1E21wRV096A	.75	502644	191	SC	1.5	1.3	—	—	F	—
1E21wRV096B	.75	502644	191	SC	1.5	1.3	—	—	F	—
1E32wHOV021A	1.5/1	SR-6706	253	SC	2.5	1.3	LIMITORQUE	SHC-04-5	F	F
1E32wHOV021B	1.5/1	SR-6706	253	SC	2.8	1.9	LIMITORQUE	SHC-04-5	F	F
1E32wHOV021C	1.5/1	SR-6706	253	SC	2.5	2.4	LIMITORQUE	SHC-04-5	F	F
1E32wHOV021D	1.5/1	SR-6706	253	SC	2.4	1.5	LIMITORQUE	SHC-04-5	F	F
1E32wHOV022A	1.5/2	SR-6706	253	SC	2.3	1.5	LIMITORQUE	SHC-04-3	F	F
1E32wHOV022B	1.5/2	SR-6706	253	SC	2.3	1.7	LIMITORQUE	SHC-04-3	F	F
1E32wHOV022C	1.5/2	SR-6706	253	SC	2.2	2.7	LIMITORQUE	SHC-04-3	F	F
1E32wHOV022D	1.5/2	SR-6706	253	SC	2.4	.8	LIMITORQUE	SHC-04-3	F	F
1E32wHOV023A	1.5/2	SR-6706	253	SC	2.3	.7	LIMITORQUE	SHC-04-3	F	F
1E32wHOV023B	1.5/2	SR-6706	253	SC	2.3	.7	LIMITORQUE	SHC-04-3	F	F
1E32wHOV023C	1.5/2	SR-6706	253	SC	2.3	.7	LIMITORQUE	SHC-04-3	F	F
1E32wHOV023D	1.5/2	SR-6706	253	SC	2.3	.7	LIMITORQUE	SHC-04-3	F	F
1E32wHOV024	2/2	SR-6188	253	SC	2.1	1.2	LIMITORQUE	SHB-000-5	H	H
1E32wHOV025	2/2	SR-6188	253	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1E32wHOV026	2/2	SR-6188	253	SC	1.4	.9	LIMITORQUE	SHB-000-5	H	H

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					HOR	VER			YORK	OPER
1E32wHOV027	2/2	SR-6188	253	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1E41wAOV081	1	10.3.115	318	SC	2.3	.7	COPE3	D-100-60	H	H
1E41wAOV082	1	10.3.115	318	SC	2.3	.7	COPE3	D-100-60	H	H
1E41wAOV093	1	10.3.115	318	SC	2.3	.7	COPE3	D-100-60	H	H
1E41wLCV-091	1	10.3.115	318	SC	2.3	.7	COPE3	D-100-60	H	H
1E41wLCV095	1	10.3.115	318	SC	2.3	.7	COPE3	D-100-60	H	H
1E41wHOV031	16	SR-6266	88V	SC	10.4	2.4	LIMITORQUE	SHB-0-25 *	F	B
1E41wHOV032	16	SR-6266	88V	SC	4.5	1.3	LIMITORQUE	SHB-0-25 *	H	H
1E41wHOV034	14	SR-6267	88V	SC	7.7	2.4	LIMITORQUE	SHB-2-60 *	H	H
1E41wHOV035	14/1	14900-GT05	80AD	SC	7.3	3.3	LIMITORQUE	SHB-3-100 *	H	H
1E41wHOV036	4	SR-6068	88V	SC	3.1	1.3	LIMITORQUE	SHB-00-10 *	H	H
1E41wHOV037	8	SR-6349	88V	SC	2.7	.9	LIMITORQUE	SHB-1-25 *	H	H
1E41wHOV038	10	SP-6262	88V	SC	2.8	1.5	LIMITORQUE	SHB-1-40 *	H	H
1E41wHOV039	2/2	SR-6188	253	SC	2.3	.7	LIMITORQUE	SHB-00-5 *	H	H
1E41wHOV041	10/1	SR-6259	88V	PC	4.8	2.0	LIMITORQUE	SHB-3-80	H	H
1E41wHOV042	10/1	SR-6264	88V	SC	2.4	.8	LIMITORQUE	SHB-1-60 *	H	H
1E41wHOV043	10	SR-6262	88V	SC	1.5	.5	LIMITORQUE	SHB-1-60 *	H	H
1E41wHOV044	18	SR-6270	88V	SC	2.3	2.6	LIMITORQUE	SHB-0-15 *	H	H
1E41wHOV047	1/1	SR-6190	253	PC	4.0	.5	LIMITORQUE	SHB-000-2	H	H

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					HOR	VER	SUPPLIER			YOKE	OPER
1E41WMOV048	1/1	SR-6190	253	SC	.9	2.0	LIMITORQUE		SHB-000-2w	H	H
1E41WMOV049	2/2	SR-6188	253	SC	4.7	.1	LIMITORQUE		SHB-000-2w	H	H
1E41WPCV142	2/2	2-24451	310	SC	2.3	.7	BECK		14-101-ES	H	H
1E41WRV145	.75	502644	191	SC	1.5	1.3	---		---	F	-
1E41WRV146	1.5	502644	191	SC	1.5	1.3	---		---	F	-
1E41WRV147	1.25	502644	191	SC	1.5	1.3	---		---	F	-
1E41WRV149	.75	502644	191	SC	1.5	1.3	---		---	F	-
1E51WAOV081	1	10.3.115	310	SC	2.3	.7	COPEES		D-100-63	H	H
1E51WAOV082	1	10.3.115	310	SC	2.3	.7	COPEES		D-100-60	H	H
1E51WAOV083	1	10.3.115	310	SC	2.3	.7	COPEES		D-100-60	H	H
1E51WLCV091	1	10.3.115	310	SC	2.3	.7	COPEES		D-100-60	H	H
1E51WLCV095	1	10.3.115	310	SC	2.3	.7	COPEES		D-100-60	H	H
1E51WMOV031	6	SR-6177	88V	SC	7.4	3.9	LIMITORQUE		SHB-00-5 w	H	H
1E51WMOV032	6	SR-6177	88V	SC	4.4	2.1	LIMITORQUE		SHB-00-5 w	H	H
1E51WMOV034	4	SR-6068	88V	SC	1.2	1.7	LIMITORQUE		SHB-00-10 w	H	H
1E51WMOV035	6/1	SR-6574	88V	SC	6.4	5.2	LIMITORQUE		SHB-00-25 w	G	G
1E51WMOV036	2/2	SR-6188	253	SC	.9	.7	LIMITORQUE		SHB-000-5 w	H	H
1E51WMOV037	4	SR-6068	88V	SC	1.2	.7	LIMITORQUE		SHB-00-10 w	H	H
1E51WMOV038	2/2	SR-6188	253	SC	1.3	.5	LIMITORQUE		SHB-000-5 w	H	H

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					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1E51WMOV041	3/1	SR-6060	88V	PC	2.5	2.1	LIMITORQUE	SHB-00-10	H	H
1E51WMOV042	3/1	SR-6060	88V	SC	4.8	1.2	LIMITORQUE	SHB-00-7 1/2 *	H	H
1E51WMOV043	3	SR-6060	88V	SC	1.2	.4	LIMITORQUE	SHB-00-7 1/2 *	H	H
1E51WMOV045	8	SR-6078	88V	SC	4.4	3.6	LIMITORQUE	SHB-000-5 *	H	H
1E51WMOV046	2/2	SR-6188	253	SC	2.3	.7	LIMITORQUE	SHB-000-2 *	H	H
1E51WMOV047	1/1	SR-6190	253	PC	5.3	1.6	LIMITORQUE	SHB-000-2	H	H
1E51WMOV048	1/1	SR-6190	253	SC	8.7	2.0	LIMITORQUE	SHB-000-2 *	D	F
1E51WMOV049	1.5/2	SR-6189	253	SC	2.6	.8	LIMITORQUE	SHB-000-2 *	H	H
1E51WPCV142	2/2	2-24451	310	SC	1.8	.8	BECK	14-101-DBQ	H	H
1E51WRV 145	.75	502644	191	SC	1.5	1.3	---	---	H	-
1E51WRV 146	.75	502644	191	SC	1.5	1.3	---	---	H	-
1E51WRV 147	1.25	502644	191	SC	1.5	1.3	---	---	H	-
1E51WRV 149	.75	502644	191	SC	1.5	1.3	---	---	H	-
1G11WMOV246	4	SR-6180	88V	SC	4.3	2.7	LIMITORQUE	SHB-000-5	H	H
1G11WMOV247	4	SR-6180	88V	SC	3.6	5.9	LIMITORQUE	SHB-000-5	H	H
1G11WMOV248	3	SR-6183	88V	SC	1.7	1.3	LIMITORQUE	SHB-000-5	H	H
1G11WMOV249	3	SR-6183	88V	SC	2.5	1.2	LIMITORQUE	SHB-000-5	H	H
1G11WMOV639	3	SR-6477	88V	SC	.6	.5	LIMITORQUE	SHB-000-5	H	H
1G33WMOV039A	4/1	SR-6068	88V	PC	3.6	1.9	LIMITORQUE	SHB-00-15	H	H

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1G33W11OV030B	4/1	SR-6068	88V	PC	7.4	3.3	LIMITORQUE	SHB-00-15	H	H
1G33W11OV031	6/1	SR-6181	88V	PC	5.5	2.5	LIMITORQUE	SHB-0-40	H	H
1G33W11OV032	4/1	SR-6068	88V	PC	6.5	1.4	LIMITORQUE	SHB-00-10	H	H
1G33W11OV033	6/1	SR-6181	88V	PC	8.0	.4	LIMITORQUE	SHB-00-25	H	H
1G33W11OV034	6/1	SR-6181	88V	SC	4.6	2.4	LIMITORQUE	SHB-00-15 *	H	H
1G33W11OV035	4	SR-6353	88V	SC	1.8	.8	LIMITORQUE	SHB-0-15	H	H
1G33W11OV036	4	SR-6353	88V	SC	.9	.5	LIMITORQUE	SHB-0-15	H	H
1G33W11OV037	4	SR-6353	88V	SC	.7	.8	LIMITORQUE	SHB-0-15	H	H
1G33W11OV038	4	SR-6068	88V	SC	.7	.7	LIMITORQUE	SHB-00-15	H	H
1G33W11OV039	4	SR-6068	88V	SC	.6	.6	LIMITORQUE	SHB-00-15	H	H
1G33W11OV040	4	SR-6353	88V	SC	1.4	1.1	LIMITORQUE	SHB-0-15	H	H
1G33W11OV041	6/1	SR-6574	88V	SC	5.1	3.9	LIMITORQUE	SHB-1-25	H	H
1G33W11OV093	.75	502644	191	SC	1.5	1.3	---	---	F	-
1G33W11OV095A	.75	502644	191	SC	1.5	1.3	---	---	F	-
1G33W11OV095B	.75	502644	191	SC	1.5	1.3	---	---	F	-
1G41W11OV032A	6	1891-1	203	SC	1.3	1.5	LIMITORQUE	SHB-00-10	H	H
1G41W11OV032B	6	1891-1	203	SC	1.1	1.0	LIMITORQUE	SHB-00-10	H	H
1G41W11OV033A	6	SR-6177	88V	SC	1.5	1.5	LIMITORQUE	SHB-000-5	H	H
1G41W11OV033B	6	SR-6177	88V	SC	1.0	1.0	LIMITORQUE	SHB-000-5	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 6 -JANUARY 1983

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FLOOR-MOUNTED (EHTP- 9.5)
2. * = DC MOTOR. ALL OTHERS ARE AC
3. CL 1 VALVES < OR = 1 IN. ARE
FLOOR-MOUNTED (EHTP-9.5)
4. 2/1 = 2 IN. CLASS 1

5. PRESENT QUALIFICATION VALID
FOR OPERATOR LOADS < OR = 3 G'S
HORIZONTAL AND VERTICAL (FAULTED)
6. IF ONLY ONE LOAD IS GIVEN FOR
THE OPERATOR, IT IS THE MAXIMUM

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

RBPB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)

RUN DATE 01/25/83
RUN TIME 12.05.39
PAGE 12

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		OPERATOR SUPPLIER	6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER			YOKE	OPER
1G41wHOV034A	10	SR-6082	88V	SC	4.9	1.1	LIMITORQUE	SHB-0-7 1/2	H	H
1G41wHOV034B	10	SR-6082	88V	SC	1.8	.5	LIMITORQUE	SHB-0-7 1/2	H	H
1G41wRV019A	1	502644	191	SC	1.5	1.3	---	---	F	-
1G41wRV019B	1	502644	191	SC	1.5	1.3	---	---	F	-
1G41wRV024	1	502644	191	SC	1.5	1.3	---	---	F	-
1G41wRV025	1	502644	191	SC	1.5	1.3	---	---	F	-
1P41wHOV033A	20	D-0034-8	197	SC	.8	.8	LIMITORQUE	H2BC/SHB0010	H	H
1P41wHOV033B	20	D-0034-8	197	SC	.7	.5	LIMITORQUE	H2BC/SHB0010	H	H
1P41wHOV033C	20	D-0034-5	197	SC	1.0	.5	LIMITORQUE	H2BC/SHB0005	H	H
1P41wHOV033D	20	D-0034-5	197	SC	.7	.8	LIMITORQUE	H2BC/SHB0005	H	H
1P41wHOV034A	20	D-0034-8	197	SC	.1	.1	LIMITORQUE	H2BC/SHB0010	H	H
1P41wHOV034B	20	D-0034-8	197	SC	.6	.5	LIMITORQUE	H2BC/SHB0010	H	H
1P41wHOV037A	16	D-0034-2	197	SC	.7	.5	LIMITORQUE	H2BC/SHB0005	H	H
1P41wHOV037B	16	D-0034-2	197	SC	.8	.8	LIMITORQUE	H2BC/SHB0005	H	H
1P41wHOV039A	1/3	1891-1	203	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1P41wHOV039B	1/3	1891-1	203	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1P41wHOV042A	6	D-0034-9	197	SC	1.2	2.1	LIMITORQUE	H0BC/SHB002	H	H
1P41wHOV042B	6	D-0034-9	197	SC	1.0	1.8	LIMITORQUE	H0BC/SHB002	H	H
1P41wHOV043	1/3	1891-1	203	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H

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SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO SOCKET 50-322

RFP# LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)

RUN DATE 01/25/83
RUN TIME 12.05.39
PAGE 13

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YGR	OPER
1P41wHOV102A	1/3	1891-1	203	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1P41wHOV102B	1/3	1891-1	203	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1P41wHOV129A	10	15438	201	SC	1.1	1.4	LIMITORQUE	H10C/SHB0002	H	H
1P41wHOV129B	10	15438	201	SC	1.9	1.6	LIMITORQUE	H18C/SHB0002	H	H
1P41wRV024A	1	502644	191	SC	1.5	1.3	---	---	F	-
1P41wRV024B	1	502644	191	SC	1.5	1.3	---	---	F	-
1P41wRV110A	.75	502644	191	SC	1.5	1.3	---	---	F	-
1P41wRV110B	.75	502644	191	SC	1.5	1.3	---	---	F	-
1P41wRV119	.75	502644	191	SC	1.5	1.3	---	---	F	-
1P41wRV130A	.75	502644	191	SC	1.5	1.3	---	---	F	-
1P41wRV130B	.75	502644	191	SC	1.5	1.3	---	---	F	-
1P42wHOV031A	8	SR-6186	88V	SC	1.7	.3	LIMITORQUE	SHB-000-5	H	H
1P42wHOV031B	8	SR-6186	88V	SC	1.8	.5	LIMITORQUE	SHB-000-5	H	H
1P42wHOV032A	8	SR-6186	88V	SC	.6	.5	LIMITORQUE	SHB-000-5	H	H
1P42wHOV032B	8	SR-6186	88V	SC	.6	.6	LIMITORQUE	SHB-000-5	H	H
1P42wHOV033A	6	SR-6199	88V	SC	.6	1.0	LIMITORQUE	SHB-000-5	H	H
1P42wHOV033B	6	SR-6199	88V	SC	.7	1.0	LIMITORQUE	SHB-000-5	H	H
1P42wHOV034A	6	SR-6199	88V	SC	1.1	1.3	LIMITORQUE	SHB-000-5	H	H
1P42wHOV034B	6	SR-6199	88V	SC	1.3	1.0	LIMITORQUE	SHB-000-5	H	H

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REVISION 6 -JANUARY 1983

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SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

REPH LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)

RUN DATE 01/25/83
RUN TIME 12.05.39
PAGE 14

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1P42*HOV035	4	SR-6180	88V	SC	4.6	3.8	LIHITORQUE	SHB-000-5	H	H
1P42*HOV036	4	SR-6180	88V	SC	4.6	2.3	LIHITORQUE	SHB-000-5	H	H
1P42*HOV041A	14	SR-6265	88V	SC	2.2	1.9	LIHITORQUE	SHB-0-25	H	H
1P42*HOV041B	14	SR-6265	88V	SC	2.1	2.0	LIHITORQUE	SHB-0-25	H	H
1P42*HOV042A	14	SR-6265	88V	SC	1.6	2.1	LIHITORQUE	SHB-0-25	H	H
1P42*HOV042B	14	SR-6265	88V	SC	1.6	2.2	LIHITORQUE	SHB-0-25	H	H
1P42*HOV043A	8	SR-6186	88V	SC	1.1	.4	LIHITORQUE	SHB-000-5	H	H
1P42*HOV043B	8	SR-6186	88V	SC	3.0	.6	LIHITORQUE	SHB-000-5	H	H
1P42*HOV044A	8	SR-6186	88V	SC	1.0	.6	LIHITORQUE	SHB-000-5	H	H
1P42*HOV044B	8	SR-6186	88V	SC	2.9	1.4	LIHITORQUE	SHB-000-5	H	H
1P42*HOV047	4	SR-6180	88V	SC	3.7	4.2	LIHITORQUE	SHB-000-5	H	H
1P42*HOV048	4	SR-6180	88V	SC	4.0	3.1	LIHITORQUE	SHB-000-5	H	H
1P42*HOV147	4	SR-6130	88V	PC	4.9	4.5	LIHITORQUE	SHB-000-5	H	H
1P42*HOV146	4	SR-6180	88V	PC	4.2	1.0	LIHITORQUE	SHB-000-5	H	H
1P42*HOV231	4	SR-6180	88V	SC	1.0	.8	LIHITORQUE	SHB-000-5	H	H
1P42*HOV232	3	SR-6183	88V	SC	3.5	7.1	LIHITORQUE	SHB-000-5	H	H
1P42*HOV233	3	SR-6183	88V	SC	4.4	9.8	LIHITORQUE	SHB-000-5	H	H
1P42*HOV234	3	SR-6183	88V	SC	5.4	9.5	LIHITORQUE	SHB-000-5	H	H
1P42*HOV235	3	SR-6183	88V	SC	5.9	7.9	LIHITORQUE	SHB-000-5	H	H

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SHOPEHAN UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

RDPH LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)

RUN DATE 01/25/83
RUN TIME 12.05.39.
PAGE 15

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		OPERATOR		6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER	SUPPLIER			YOKE	OPER
1P42*HOV236	4	SR-6180	88V	SC	6.4	3.6	LIMITORQUE		SHB-000-5	H	H
1P42*HOV237	3	SR-6183	88V	SC	4.0	2.5	LIMITORQUE		SHB-000-5	H	H
1P42*HOV238	3	SR-6183	88V	SC	4.5	1.6	LIMITORQUE		SHB-000-5	H	H
1P42*HOV239	3	SR-6183	88V	SC	7.6	2.2	LIMITORQUE		SHB-000-5	H	H
1P42*HOV240	3	SR-6183	88V	SC	3.8	1.7	LIMITORQUE		SHB-000-5	H	H
1P42*PCV071	6	10.3.115	318	SC	1.2	.5	COPEX		D-100-60	H	H
1P42*RV079A	1	502644	191	SC	1.5	1.3				F	-
1P42*RV079B	1	502644	191	SC	1.5	1.3				F	-
1P42*RV080A	1	502644	191	SC	1.5	1.3				F	-
1P42*RV080B	1	502644	191	SC	1.5	1.3				F	-
1P42*RV080C	1	502644	191	SC	1.5	1.3				F	-
1P42*RV080D	1	502644	191	SC	1.5	1.3				F	-
1P42*RV091A	1	502644	191	PC	6.9	3.0				F	-
1P42*RV091B	1	502644	191	PC	6.9	3.0				F	-
1P42*RV291A	.75	502644	191	PC	6.9	3.0				F	-
1P42*RV291B	.75	502644	191	PC	6.9	3.0				F	-
1P42*TCV001H	12	CD76-82	423	SC	1.1	1.1	FISHER		656-60	H	H
1P42*TCV001X	10	CD76-82	423	SC	.9	2.3	FISHER		656-60	H	H
1P42*TCV001Y	12	CD76-82	423	SC	1.9	1.6	FISHER		656-60	H	H

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SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

RBPB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)

RUN DATE 01/25/83
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PAGE 16

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		OPEATOR	6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER			YOKE	OPER
1P42*TCV001Z	10	CD76-82	423	SC	2.0	1.8	FISHER	656-60	H	H
1P50*HOV103A	1.5/2	SR-6189	214	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50*HOV103B	1.5/2	SR-6189	214	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50*HOV104	1	SR-6190	214	SC	2.3	.7	LIMITORQUE	SHB-000-2	G	G
1P50*HOV105A	1.5/2	SR-6189	214	PC	2.3	.7	LIMITORQUE	SHB-000-5	G	G
1P50*HOV105B	1.5/2	SR-6189	214	PC	2.3	.7	LIMITORQUE	SHB-000-5	G	G
1P50*HOV106	1	SR-6190	214	SC	2.3	.7	LIMITORQUE	SHB-000-2	G	G
1P50*HOV113A	1	SR-6189	214	SC	2.3	.7	LIMITORQUE	SHB-000-5	G	G
1P50*HOV113B	1	SR-6189	214	SC	2.3	.7	LIMITORQUE	SHB-000-5	G	G
1P50*HOV114A	1	SR-6189	214	SC	2.3	.7	LIMITORQUE	SHB-000-5	G	G
1P50*HOV114B	1	SR-6189	214	SC	2.3	.7	LIMITORQUE	SHB-000-5	G	G
1T23*HOV031A	.5	SR-6341	214	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1T23*HOV031B	.5	SR-6341	214	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1T23*RV021A	.75	502644	191	SC	1.5	1.3	—	—	F	—
1T23*RV021B	.75	502644	191	SC	1.5	1.3	—	—	F	—
1T24*AOV001A	4	10.3.151	318	SC	6.8	3.6	COPEX	D-100-100	H	H
1T24*AOV001B	4	10.3.151	318	SC	2.9	3.7	COPEX	D-100-100	H	H
1T24*AOV004A	4	10.3.151	318	SC	1.9	1.2	COPEX	D-100-100	H	H
1T24*AOV004B	4	10.3.151	318	SC	3.2	2.2	COPEX	D-100-100	H	H

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SHOREHAM UNIT 1
JOB NUMBER 11606
LILCO DOCKET 50-322

RBPB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)

RUN DATE 01/25/83
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PAGE 17

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		OPERATOR SUPPLIER	6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER			YOKE	OPER
1T46wAOV035A	72	R-1062-41	111	SC	2.7	.6	BETTIS	T-316 SR2-M3	H	H
1T46wAOV035B	72	R-1062-41	111	SC	5.2	.6	BETTIS	T-316 SR2-M3	H	H
1T46wAOV037A	72	CD75-35	111	SC	1.0	.7	BETTIS	T-316 SR2-M3	H	H
1T46wAOV037B	72	CD75-35	111	SC	.8	.4	BETTIS	T-316 SR2-M3	H	H
1T46wAOV038A	18	CD76-82	172	PC	2.2	1.2	BETTIS	722C-SR-M3	H	H
1T46wAOV038B	18	CD76-82	172	SC	1.2	1.1	BETTIS	722C-SR-M3	H	H
1T46wAOV038C	18	CD76-82	172	SC	1.8	1.3	BETTIS	722C-SR-M3	H	H
1T46wAOV038D	18	CD76-82	172	SC	1.3	1.2	BETTIS	722C-SR-M3	H	H
1T46wAOV039A	18	CD76-82	172	PC	2.2	1.2	BETTIS	722C-SR-M3	H	H
1T46wAOV039B	18	CD76-82	172	SC	1.2	1.1	BETTIS	722C-SR-M3	H	H
1T46wAOV039C	18	CD76-82	172	SC	2.3	.8	BETTIS	722C-SR-M3	H	H
1T46wAOV039D	18	CD76-82	172	SC	1.8	.8	BETTIS	722C-SR-M3	H	H
1T46wAOV078A	6	10.3.145	318	PC	2.5	1.5	COPEES	D-100-100	H	H
1T46wAOV078B	6	10.3.145	318	SC	2.3	1.3	COPEES	D-100-100	H	H
1T46wAOV079A	6	10.3.151	318	SC	3.7	1.4	COPEES	D-100-100	H	H
1T46wAOV079B	6	10.3.151	318	SC	2.4	1.9	COPEES	D-100-100	H	H
1T46wTCV-022A	4	2-24451	310	SC	1.2	.6	BECK	14-101-ES	H	H
1T46wTCV-022B	4	2-24451	310	SC	1.0	.5	BECK	14-101-ES	H	H
1T46wTCV-023A	4	2-24451	310	SC	1.2	.2	BECK	14-101-ES	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 6 -JANUARY 1983

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3. CL 1 VALVES < OR = 1 IN. ARE
FLOOR-MOUNTED (EHDP-9.5)
4. 2/1 = 2 IN. CLASS 1

5. PRESENT QUALIFICATION VALID
FOR OPERATOR LOADS < OR = 3 G'S
HORIZONTAL AND VERTICAL (FAULTED)
6. IF ONLY ONE LOAD IS GIVEN FOR
THE OPERATOR, IT IS THE MAXIMUM

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

RDPH LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)

RUN DATE 01/25/83
RUN TIME 12.05.39
PAGE 18

1 HAPH NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1T46*TCV-023B	4	2-24451	310	SC	.8	.8	BECK	14-101-ES	H	H
1T46*TCV-024A	4	2-24451	310	SC	.9	.6	BECK	14-101-ES	H	H
1T46*TCV-024B	4	2-24451	310	SC	1.1	.6	BECK	14-101-ES	H	H
1T46*TCV-025A	4	2-24451	310	SC	1.2	.7	BECK	14-101-ES	H	H
1T46*TCV-025B	4	2-24451	310	SC	.4	.5	BECK	14-101-ES	H	H
1T46*TCV-026A	4	2-24451	310	SC	.8	.1	BECK	14-101-ES	H	H
1T46*TCV-026B	4	2-24451	310	SC	.7	.5	BECK	14-101-ES	H	H
1T46*TCV-028A	2/3	2-24451	310	SC	2.3	.7	BECK	14-101-ES	H	H
1T46*TCV-028B	2/3	2-24451	310	SC	2.3	.7	BECK	14-101-ES	H	H
1T46*TCV059A	2/3	2-24451A	310	SC	1.1	.6	BECK	14-101-ES	H	H
1T46*TCV059B	2/3	2-24451A	310	SC	2.3	.7	BECK	14-101-ES	H	H
1T46*TCV060A	2/3	2-24451A	310	SC	.6	.7	BECK	14-101-ES	H	H
1T46*TCV060B	2/3	2-24451A	310	SC	2.3	.7	BECK	14-101-ES	H	H
1T47*RV037	.75	502644	191	PC	6.9	3.0	---	---	F	-
1T47*RV038	.75	502644	191	PC	6.9	3.0	---	---	F	-
1T48*HOV004	1	SR-6190	253	SC	2.3	.7	LIMITORQUE	SHB-000-2	G	G
1T48*HOV031A	6	SR-6177	88V	PC	2.9	1.3	LIMITORQUE	SHB-00-5	H	H
1T48*HOV031B	6	SR-6177	88V	PC	6.1	1.8	LIMITORQUE	SHB-00-5	H	H
1T48*HOV032A	6	SR-6177	88V	PC	4.5	2.7	LIMITORQUE	SHB-00-7 1/2	H	H

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STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)

RUN DATE 01/25/83
RUN TIME 12.05.39
PAGE 19

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1T48wHOV032B	6	SR-6177	88V	PC	5.3	3.2	LIMITORQUE	SHB-00-7 1/2	H	H
1T48wHOV033A	6	SR-6177	88V	SC	4.2	1.5	LIMITORQUE	SHB-00-5	H	H
1T48wHOV033B	6	SR-6177	88V	SC	4.9	1.3	LIMITORQUE	SHB-00-5	H	H
1T48wHOV034A	6	SR-6177	88V	SC	5.3	4.4	LIMITORQUE	SHB-00-7 1/2	H	H
1T48wHOV034B	6	SR-6177	88V	SC	3.7	1.3	LIMITORQUE	SHB-00-7 1/2	H	H
1T48wHOV035A	4	SR-6180	88V	SC	4.2	2.8	LIMITORQUE	SHB-000-5	H	H
1T48wHOV035B	4	SR-6180	88V	SC	6.4	5.7	LIMITORQUE	SHB-000-5	H	H
1T48wHOV037A	6	SR-6177	88V	SC	4.7	5.8	LIMITORQUE	SHB-00-7 1/2	H	H
1T48wHOV037B	6	SR-6177	88V	SC	4.4	3.0	LIMITORQUE	SHB-00-7 1/2	H	H
1T48wHOV038A	4	SR-6180	88V	SC	4.1	2.0	LIMITORQUE	SHB-000-5	H	H
1T48wHOV038B	4	SR-6180	88V	SC	5.0	1.9	LIMITORQUE	SHB-000-5	H	H
1T48wHOV040A	6	SR-6177	88V	SC	8.6	5.9	LIMITORQUE	SHB-00-7 1/2	H	H
1T48wHOV040B	6	SR-6177	88V	SC	4.0	1.5	LIMITORQUE	SHB-00-7 1/2	H	H
1T48wHOV041	4	SR-6180	88V	SC	1.3	.7	LIMITORQUE	SHB-000-5	H	H
1T48wHOV042	4	SR-6180	88V	SC	1.0	1.3	LIMITORQUE	SHB-000-5	H	H
1T48wHOV043A	4	SR-6180	88V	SC	2.9	2.5	LIMITORQUE	SHB-000-5	H	H
1T48wHOV043B	4	SR-6180	88V	SC	5.9	2.0	LIMITORQUE	SHB-000-5	H	H
1T48wHOV044A	4	SR-6180	88V	SC	6.0	1.9	LIMITORQUE	SHB-000-5	H	H
1T48wHOV044B	4	SR-6180	88V	SC	4.9	1.8	LIMITORQUE	SHB-000-5	H	H

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REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)

RUN DATE 01/25/83
RUN TIME 12.05.39
PAGE 20

1 HAPK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1T48*PCV143A	.25		492	SC	1.5	1.3	---	---	B	-
1T48*PCV143B	.25		492	SC	1.5	1.3	---	---	B	-
1T48*PCV143C	.25		492	SC	1.5	1.3	---	---	B	-
1T48*PCV143D	.25		492	SC	1.5	1.3	---	---	B	-
1T48*PCV144A	.25		492	SC	1.5	1.3	---	---	B	-
1T48*PCV144B	.25		492	SC	1.5	1.3	---	---	B	-
1T48*PCV145A	.25		492	SC	1.5	1.3	---	---	B	-
1T48*PCV145B	.25		492	SC	1.5	1.3	---	---	B	-
1T48*PCV145C	.25		492	SC	1.5	1.3	---	---	B	-
1T48*PCV145D	.25		492	SC	1.5	1.3	---	---	B	-
1T48*PCV146A	.25		492	SC	1.5	1.3	---	---	B	-
1T48*PCV146B	.25		492	SC	1.5	1.3	---	---	B	-
1T48*RV017A	3	502694	191	SC	1.9	.7	---	---	F	-
1T48*RV017B	3	502694	191	SC	3.7	3.1	---	---	F	-
1T48*SOV126A	.75	HR5265603271	600	SC	1.5	1.3	---	---	H	-
1T48*SOV126B	.75	HR5265603271	600	SC	1.5	1.3	---	---	H	-
1T48*SOV127A	.75	HR5265603271	600	SC	1.5	1.3	---	---	H	-
1T48*SOV127B	.75	HR5265603271	600	SC	1.5	1.3	---	---	H	-
1T48*SOV128A	.75	HR5265603271	600	SC	1.5	1.3	---	---	H	-

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REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)

RUN DATE 01/25/83
RUN TIME 12.05.39
PAGE 21

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1T48*SOV128B	.75	HR5265683271	600	SC	1.5	1.3	---	---	H	-
1T48*SOV129A	.75	HR5265683271	600	SC	1.5	1.3	---	---	H	-
1T48*SOV129B	.75	HR5265683271	600	SC	1.5	1.3	---	---	H	-
1T48*SOV130	.75	HR5265683271	600	SC	1.5	1.3	---	---	H	-
1T48*SOV131	.75	HR5265683271	600	SC	1.5	1.3	---	---	H	-
1T48*SOV136A	.75	HR5265683271	600	SC	1.5	1.3	---	---	H	-
1T48*SOV136B	.75	HR5265683271	600	SC	1.5	1.3	---	---	H	-
1T48*SOV137A	.75	HR5265683271	600	SC	1.5	1.3	---	---	H	-
1T48*SOV137B	.75	HR5265683271	600	SC	1.5	1.3	---	---	H	-
1Z93*FCV011A	.25		493	SC	1.5	1.3	---	---	B	-
1Z93*FCV011B	.25		493	SC	1.5	1.3	---	---	B	-
1Z93*PCV010A	.25		492	SC	1.5	1.3	---	---	B	-
1Z93*PCV010B	.25		492	SC	1.5	1.3	---	---	B	-

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REVISION 6 -JANUARY 1983

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GE LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEER CORPORATION
GENERAL ELECTRIC CATEGORY I EQUIPMENT
N555 QUALIFICATION LEVEL(151 ITEMS)

RUN DATE 01/25/03
RUN TIME 08.44.10
PAGE 1

HAIR NUMBER	EQUIPMENT DESCRIPTION	GE NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1B21*AOV001	ISOLATION VALVE-HS	B21F022	ROCKWELL	SC002	YES	NEDE-24122-2	SA	8	P4	CS,HS	G
1B21*AOV002	ISOLATION VALVE-HS	B21F020	ROCKWELL	SC002	YES	NEDE-24122-2	SA	8	P4	CS,HS	G
1B21*D-003	CONDENSING CHAMBER	B21D002	GE	SC000	YES	DRF-A00794-11	SA	60+	P	HS,CS	G
1B21*D-004	CONDENSING CHAMBERS	B21D004	GE	SC000	YES	DRF-A00794-11	SA	60+	P2	HS,CS	G
1B21*D-005	CONDENSING CHAMBERS	B21D006	GE	SC000	YES	DRF-A00794-11	SA	60+	P16	HS,CS	G
1B21*FE 002	FLOW ELEMENT	B21N005	PERMUTIT	SC007	YES		SA		P4	N	B/Z
1B21*PS 020	PRESSURE SWITCH	B21N015	BARKSDALE	CB037	YES	DV164C5359	SAT	33+	F4	N	D
1B21*RV 092	RELIEF VALVE	B21F013	TARG ROCK	PC099	YES	VPF-5405-3-1	HBT	60+	P11	CS	G
1B21*TE 003	TEMPERATURE ELEMENT	B21N040	CROUSE-HI	T083	YES	DV159C4520	SAT	100	P	N	D
1B21*TE 043X	TEMPERATURE ELEMENT	B21N016	PYCO	T059	YES	DV164C5359	SAT	60+	F4	N	D
1B21*TE 043Y	TEMPERATURE ELEMENT	B21N010	PYCO	T082	YES	DV145C3004	SAT	60+	F4	N	D
1B21*TE 059	TEMPERATURE ELEMENT	B21N014	PYCO	T059	YES	DV145C3224	SAT	60+	F4	N	D
1B31*FE 010	RECIRC FLOW ELEM	B31N013	BIF	SC000	YES		SA		P2	N	B/Z
1B31*HOV031	RECIRC SUCTION VALVE	B31F023	ANCHOR	SC017	YES	305HA661	SA	41	P2	N	G
1B31*HOV032	RECIRC DISCHARGE VALVE	B31F031	ANCHOR	SC014	YES	VPF2009-40	SA/DA	100	P2	N	G
1B31*P- 001	RECIRC PUMP & MOTOR	B31C001	BJ/GE	PC070	YES	206B33C001-HS-1	SA	60+	P2	N	G
1B31*TE 025	TEMPERATURE ELEMENT	B31N023	CROUSE-HI	PC065	YES	DV159C4520	SAT	10	P2	N	D
1C11*AOV001	HCU DIAPHRAGM VALVE	C11F010	MMH	SC078	YES		SA		P	CS,HS	B
1C11*AOV002	HCU DIAPHRAGM VALVE	C11F011	MMH	SC040	YES		SA		P	CS,HS	B

CB =CONTROL BLDG
CS =COLD SHUT DOWN
DA =DYNAMIC ANALYSIS
F =FLOOR MOUNTED
HS =HOT STANDBY
HBT=MULTI-FREQUENCY
BIAXIAL TESTING
HST=MULTI-FREQUENCY
SINGLE AXIAL TESTING

P =PIPE MOUNTED
PC =PRIMARY CONT.
PL =PEDESTAL
QP =QUALIFIED BY
PIPING ANALYSIS
RH =RADWASTE
SA =STATIC ANALYSIS
SAT=SINGLE FREQUENCY
SINGLE AXIAL TESTING

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
SC =SECONDARY CONT.
/ =LOCATED ON CONT.
HALL
T =MAIN STM. TUNNEL
N =NEITHER CS OR HS
Z =PASSIVE ITEM
(SORT PAPER NOT
REQ'D)

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REVISION 6 -JANUARY 1983

NOTE: NUMBER IN
'TYPE HTNG' COLUMN IS
QUANTITY OF ITEMS.

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

GE LIST
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STONE & WEBSTER ENGINEERING CORPORATION
GENERAL ELECTRIC CATEGORY I EQUIPMENT
NSSS QUALIFICATION LEVEL(151 ITEMS)

RUN DATE 01/25/83
RUN TIME 08.44.10
PAGE 2

MARK NUMBER	EQUIPMENT DESCRIPTION	GE NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL HTTH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1C11*HCU-01	CRD HYDRA CONT UNIT	C11D001	GE	SC078	YES	383HA853	HST	2	137	CS,HS	G
1C11*LS 049	LEVEL SWITCH	C11H013	MAGNETROL	SC078	YES	SHIP LOOSE	SAT	30+	F2		F
1C11*LS 095	LEVEL SWITCH	C11H013	MAGNETROL	SC078	YES	DV159C4361	SAT	30+	F6	N	D
1C11*SOV044	HCU SOLENOID VALVE	C11F009	ASCO	SC063					P	CS,HS	B
1C41*EV 010	EXPLOSIVE VALVE	C41F004	CONAX	SC112	YES	VPF3394-36-2	SBT	35+	P2	N	G
1C41*P-024	STDBY LIQ PUMP&HTR	C41C001	UNION PUM	SC113	YES	VPF-5517-2-2	SBT	60+	F2	N	G
1C41*PI 002	PRESSURE INDICATOR	C41R003	ROBT SHAW	SC112	YES	DV163C1184	SAT	33+	F	N	D
1C41*PT 002	PRESSURE TRANSHITTER	C41N004	ROSEMOUNT	SC112	YES	DV163C1563	SAT	3	F	N	D
1C41*TK-003	SLC STORAGE TANK	C41A001	LANCO	SC113	YES	RA542/C41-22	SA	59	F	N	G
1C41*TK-150	SLC ACCUMULATORS	C41A003	HYDRA CON	SC097	YES	DRF C41-22	SA	N/A	P2	N	G
1C41*TS001A	TEMP SWITCH	C41N003	WEED INST	SC112		SHIP LOOSE	SAT	60+	F		D/Z
1C51*TIP-004	TIP VALVE GUIDE T	C51J004	GE	SC073	YES	DRF-A00992-H	SAT	60+	F4	N	D
1C61*CE 016	COND TRANSHITTER	C61N008	BALLSBAUG	SC030	YES	DV163C1544	SAT	3	P	N	D
1C61*FT 001	DIFF PRESS XHTR	C61N001	ROSEMOUNT	SC008	YES	DV163C1560	SAT	50	F	N	D
1C61*PNL-RSP	REMOTE SHT DN PNL	C61P001	GE	SC063	YES	SAI-029QA80PA-B	HBT	14	F	N	D
1C61*PT 006	PRESS TRANS	C61N006	BAILEY	SC079	YES	DV163C1186	SAT	33+	F	N	D
1C71*PS 003	PRESSURE SWITCH	C71N003	BARNSDALE	CB037	YES	DV164C5359	SAT	33+	F4	N	D
1E11*E-034	RHR HEAT EXCHANGERS	E11B001	PERFEX CP	SC008	YES	DRF E11-1	DA	14	F2	HS,CS	G
1E11*FE 001	RHR FLOW ORIFICE	E11N014	VICK SIHS	SC057	YES	SAI-DJC2	SA	60+	P2	HS,CS	F/Z

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REVISION 6 -JANUARY 1983

NOTE: NUMBER IN
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SHOREHAM F 1
JOB NUMBER 11600
LILCO DOCKET 50-322

GE LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
GENERAL ELECTRIC CATEGORY I EQUIPMENT
NSSS QUALIFICATION LEVEL(151 ITEMS)

RUN DATE 01/25/83
RUN TIME 00.44.10
PAGE 3

MARK NUMBER	EQUIPMENT DESCRIPTION	GE NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1E11*FE 004	RHR FLOW ORIFICE	E11N012	VICK SIMS	SC093	YES	SAI-SQRT-DJC5	SA	60+	P	CS	F/Z
1E11*FT 000	DIFF PRESS XMTR	E11N013	ROSEMOUNT	SC070	YES	DV163C1560	SAT	50	F	N	D
1E11*FT 006	DIFF PRESS TRANS	E11N007	ROSEMOUNT	SC000	YES	DV163C1560	SAT	50	F2	N	D
1E11*LT 002	LEVEL XMTR	E11N008	BARTON	SC024	YES	DV145C3156	SAT	100	F2	N	D
1E11*P-014	RHR PUMPS & MOTORS	E11C002	BJ/GE	SC000	YES	DRF E11-11	DA	10	F4	HS,CS	G
1E11*PS 134	PRESSURE SWITCH	E11N016	BARKSDALE	SC000	YES	SHIP LOOSE	SAT	33+	F4	N	D
1E11*PS 135	PRESSURE SWITCH	E11N020	BARKSDALE	SC000	YES	SHIP LOOSE	SAT	33+	F4	N	D
1E11*TE 014	TEMP ELEMENT	E11N009	PYCO	SC023	YES	DV145C3224	SAT	60+	F2	N	D
1E11*TE 015	TEMP ELEMENT	E11N030	PYCO	SC023	YES	DV145C3224	SAT	60+	F2	N	D
1E21*FE 002	CS FLOW ORIFICE	E21N002	VICK SIMS	SC047	YES	SAI-DJC4	SA	60+	P2	CS	F/Z
1E21*P-013	CS PUMPS & MOTORS	E21C001	BJ/GE	SC000	YES	DRF E21-53	DA	12	F2	CS	G
1E21*P15090	PRESS IMIC SWITCH	E21N010	ROBT SHAW	SC000	YES	DV163C1105	SAT	33+	F2	N	G
1E21*PS 012	PRESSURE SWITCH	E21N008	BARKSDALE	SC000	YES	SHIP LOOSE	SAT	33+	F2	N	G
1E21*PS013	PRESSURE SWITCH	E21N009	BARKSDALE	SC000	YES	SHIP LOOSE	SAT	33+	F2	N	G
1E32*BLO-13	OUTBD HSIV LCS BLOWER	E32C002	GE	SC076	YES	VPF3030-14-1	SBT	60+	F2	N	G
1E32*BLO-14	INBD HSIV LCS BLOWER	E32C001	GE	SC076	YES	VPF3030-14-1	SBT	60+	F	N	G
1E32*FE 037	HSIV LEAK TO LPH	E32N006	S & K INS	SC067		DV163C110707	SAT	3	P4	N	D/Z;
1E32*FE037	FLOW METER	E32N006	S&K	SC065		SHIP LOOSE		30+	P4		D
1E32*HC-053	HSIV LCS HTR	E32B001	GE	SC070	YES	VPF3030-33-1	HBT	15	P4	N	G

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GENERAL ELECTRIC CATEGORY I EQUIPMENT
N555 QUALIFICATION LEVEL(151 ITEMS)

RUN DATE 01/25/83
RUN TIME 08.44.10
PAGE 4

MARK NUMBER	EQUIPMENT DESCRIPTION	GE NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1E32*PDT035	DIFF PRESS TRANS	E32N059	ROSEMOUNT	SC063	YES	DV163C1561	SAT	50	F	N	D
1E32*PT 033	GAGE PRESS TRANS	E32N055	ROSEMOUNT	SC063	YES	DV163C1564	SAT	50	F	N	D
1E32*PT 034	ABS PRESS TRANS	E32N056	ROSEMOUNT	SC063	YES	DV163C1558	SAT	50	F	N	D
1E41*FE 003	FLOW ORIFICE	E41N007	VICK SIMS	SC021	YES	SAI-DJC3	SA	60+	P	N	F/Z
1E41*LS091	LEVEL SWITCH	E41N014	MAGNETROL	SC016	YES	DV159C4361	SAT	4	F	N	D
1E41*LS092	LEVEL SWITCH	E41N015	MAGNETROL	SC027	YES	DV159C4294	SAT	1	F2	N	D
1E41*LS093A	LEVEL SWITCH	E41N002	MAGNETROL	YARD	YES	DV159C4294	SAT	1	F	N	D
1E41*LS093B	LEVEL SWITCH	E41N003	MAGNETROL	YARD	YES	DV159C4294	SAT	1	F	N	D
1E41*P-016	HPCI PUMP&BOOSTER	E41C001	PACIFIC P	SC008	YES	VPF-2740-180-1	DA	23	F	N	G
1E41*TE053	TEMPERATURE ELEMENT	E41N024	PYCO	SC034	YES	DV145C3224	SAT	60+	F2	N	D
1E41*TE054	TEMPERATURE ELEMENT	E41N028	PYCO	SC025	YES	DV145C3224	SAT	60+	F2	N	D
1E41*TE055	TEMPERATURE ELEMENT	E41N029	PYCO	SC017	YES	DV145C3224	SAT	60+	F2	N	D
1E41*TE056	TEMPERATURE ELEMENT	E41N030	PYCO	SC063	YES	DV145C3224	SAT	60+	F2	N	D
1E41*TI141	TEMP INDICATOR	E41R002	HEED	SC008	YES	DV145C3103	SAT	100	P	N	D
1E41*TU-002	HPCI TURBINE	E41C002	TERRY	SC008	YES		HBT		F	N	B
1E51*FE 003	FLOW ORIFICE	E51N001	VICK SIMS	SC018	YES	SAI-DJC1	SA	60+	P	HS	F/Z
1E51*LS091	LEVEL SWITCH	E51N010	MAGNETROL	SC008	YES	DV159C4361	SAT	4	F	N	D
1E51*P-015	RCIC PUMP	E51C001	BINGHAM	SC008	YES	DRF E51C00112	SA	24	F	HS	G
1E51*TE052	TEMPERATURE ELEMENT	E51N011	PYCO	SC025	YES	DV145C3224	SAT	60+	F2	N	D

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RUN TIME 08.44.10
PAGE 5

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1E51*TE053	TEMPERATURE ELEMENT	E51N022	PYCO	SC027	YES	DV145C3224	SAT	60+	F2	N	D
1E51*TE054	TEMPERATURE ELEMENT	E51N023	PYCO	SC063	YES	DV145C3224	SAT	60+	F2	N	D
1E51*TE055	TEMPERATURE ELEMENT	E51N025	PYCO	SC066	YES	DV145C3224	SAT	60+	F4	N	D
1E51*TE056	TEMPERATURE ELEMENT	E51N026	PYCO	SC066	YES	DV145C3224	SAT	60+	F4	N	D
1E51*TI141	THERMOMETER	E51R005	ROBT SHAW	SC008		DV145C3103	SAT	100	P	N	D
1E51*TU-005	RCIC TURBINE	E51C002	TERRY	SC008	YES	VPF3622-79(1)-2	SA/HBT	15	F	HS	G
1F11*TO-005	FUEL PREP MACHINE	F11E001	GE	SC176	YES	DRF F0000002-3	DA	N/A	F2	N	G
1F11*TO-008	GEN PURPOSE GRAPPLE	F11E011	GE	SC176	YES	DRF139F11E011L	SA	N/A	F3	N	G
1F13*SL-001	DRYER&SEP SLING	F13E006	CAL PAC	SC176	YES	DRF F13-9	SA	N/A	F	N	G
1F13*TO-016	HEAD STRONGBACK	F13E009	LANCO	SC176	YES	DRF F13-11	SA	N/A	F	N	G
1F14*TO-029	CONT ROD GRAPPLE	F14E002	GE	SC176	YES	DRF139F14E002K	SA	N/A	F	N	G
1F15*CRN-009	REFUEL PLTF ASSY	F15E003	STERN ROG	SC176	YES	DRFF00000022	DA	N/A	F	N	G
1F16*CSK-01	DEF F STRG CONTAIN	F16E009	GE	SC151	YES	139F16E009K1	DA	1	F8	N	G
1F16*RAK-025	POISON CURTAIN	F16E015	BMP	SC151	YES	DRF F16-00009-1	DA	1	F14	N	G
1F16*RAK-09	FUEL RACK(IN VESSL)	F16E006	VOTAM	SC176			DA		F2	N	B
1F16*RAK-10	STRG RACK(CR&DEF F)	F16E004	GE	SC137	YES	DRF F16-0003	DA	13	F3	N	G
1F16*RAK-11	NEW FUEL STRG RACKS	F16E007	GE	SC151	YES	DRF F00-00002	DA	N/A	F17	N	G
1G33*FE 011	ORIFICE FLANGE	G33N035	VICK SINS	SC		SHIP LOOSE	SA	60+	P		F/Z
1G33*FE 013	ORIFICE FLANGE	G33N011	VICK SINS	SC		SHIP LOOSE	SA	60+	P		F/Z

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1G33*FE012	ORIFICE FLANGE	G33N040	VICK SIMS	SC		SHIP LOOSE	SA	60+	P		F/Z
1G33*FT012	DIFF PRESS TRANS	G33N041	ROSEHOUNT	SC100	YES	DV145C3240	SAT	50	F	N	D
1G33*TE020E	TEMPERATURE ELEMENT	G33N042	PYCO	PC97	YES	SHIP LOOSE	SAT	10	F	N	D
1G33*TE071	TEMPERATURE ELEMENT	G33N016	PYCO	SC136	YES	DV145C3224	SAT	60+	F6	N	D
1H11*PNL-601	REAC&CORE COOL BB	H11P601	GE	CB063	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11*PNL-602	RNCU & RECIRC BN	H11P602	GE	CB063	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11*PNL-603	REACTOR CONTROL B	H11P603	GE	CB063	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11*PNL-608	PHR RANGE NEUT CA	H11P608	GE	CB063	YES		HBT		F	N	B
1H11*PNL-609	TRIP SYS A RPS VB	H11P609	GE	CB063	YES	SAI-029QA80PA-B	HBT	22	F	HS,CS	G
1H11*PNL-611	TRIP SYS B RPS VB	H11P611	GE	CB063	YES	SAI-029QA80PA-B	HBT	22	F	HS,CS	G
1H11*PNL-612	FW & RELVRC INSTR	H11P612	GE	CB063	YES	SAI-029QA80PA-B	HBT	19	F	N	G
1H11*PNL-613	PROCESS INSTR CAB	H11P613	GE	CB063	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11*PNL-614	NSS TEMP LK DET VB	H11P614	GE	CB063	YES	SAI-029QA80PA-B	HBT	22	F	N	G
1H11*PNL-617	DIV 1 RHR RELAY VB	H11P617	GE	CB044	YES	SAI-029QA80PA-B	HBT	19	F	HS,CS	G
1H11*PNL-618	RHR RELAY VB	H11P618	GE	CB044	YES	SAI-029QA80PA-B	HBT	19	F	HS,CS	G
1H11*PNL-620	HPCI RELAY VERT BD	H11P620	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	N	G
1H11*PNL-621	IC RELAY VERT BD	H11P621	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11*PNL-622	INBD ISO V RELAY VB	H11P622	GE	CB044	YES	SAI-029QA80PA-B	HBT	21	F	CS	G
1H11*PNL-623	OUTBD ISO V REL VB	H11P623	GE	CB044	YES	SAI-029QA80PA-B	HBT	21	F	CS	G

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MARK NUMBER	EQUIPMENT DESCRIPTION	GE NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE MTNG	SAFETY FUNC	QUAL STATUS
1H11*PML-626	DIV 1 COR SP REL VB	H11P626	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G
1H11*PML-627	DIV 2 COR SP REL VB	H11P627	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G
1H11*PML-628	AUTO BLOWDOWN REL VB	H11P628	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G
1H11*PML-631	AUTO DEPRESS	H11P631	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G
1H11*PML-635	DIV 1 RAD MONITOR	H11P635	GE	CB063	YES	SAI-029QA80PA-B	HBT	21	F	N	G
1H11*PML-636	DIV 2 RAD MONITOR	H11P636	GE	CB063	YES	SAI-029QA80PA-B	HBT	21	F	N	G
1H11*PML-654	HSL LISP KAGE	H11P654	GE	CB063	YES	SAI-029QA80PA-B	HBT	19	F	N	G
1H11*PML-655	HSL LISKAGE	H11P655	GE	CB063	YES	SAI-029QA80PA-B	HBT	21	F	N	G
1H21*PML-01	CORE SPRAY RK CH A	H21P001	GE	SC008	YES	SAI-029QA80PA	HBT	11	F	CS	G
1H21*PML-02	RWCU SYSTEM INST	H21P002	GE	SC151	YES	SAI-029QA80PA	HBT	8	F	N	G
1H21*PML-04	RX VES L & P RACK	H21P004	GE	SC079	YES	SAI-029QA80PA	HBT	8	F	HS,CS	G
1H21*PML-05	RX VES L & P RACK	H21P005	GE	SC079	YES	SAI-029QA80PA	HBT	8	F	HS,CS	G
1H21*PML-06	RECIRC PUMP A RAC	H21P006	GE	SC040	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PML-09	JET PUMP A	H21P009	GE	SC079	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PML-10	JET PUMP INST RK	H21P010	GE	SC079	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PML-14	HPCI INST RACK	H21P014	GE	SC008	YES	SAI-029QA80PA	HBT	8	F	N	G
1H21*PML-15	MAIN STM FLOW RK A	H21P015	GE	SC040	YES	SAI-029QA80PA	HBT	8	F	N	G
1H21*PML-16	CS/HPCI LK DET I	H21P016	GE	SC008	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PML-17	RCIC INST RACK	H21P017	GE	SC008	YES	SAI-029QA80PA	HBT	8	F	HS	G

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1H21*PML-18	RHR INST RACK CH	H21P018	GE	SC008	YES	SAI-029QA80PA	HBT	8	F	HS,CS	G
1H21*PML-19	CORE SPRAY RK CH	H21P019	GE	SC008	YES	SAI-029QA80PA	HBT	11	F	CS	G
1H21*PML-21	RHR INST RACK CH	H21P021	GE	SC008	YES	SAI-029QA80PA	HBT	8	F	HS,CS	G
1H21*PML-22	RECIRC PUMP B RAC	H21P022	GE	SC040	YES	SAI-029QA80PA	HBT	8	F	N	G
1H21*PML-25	MAIN STM FLOW RK	H21P025	GE	SC040	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PML-26	RV LV & PRES RK	H21P026	GE	SC079	YES	SAI-029QA80PA	HBT	11	F	HS,CS	G
1H21*PML-30	SRM/IRH PREAMP RK	H21P030	GE	SC079	YES	DRF A00-794-16	HBT	4	F	N	G
1H21*PML-31	SRM/IRH PREAMP RK	H21P031	GE	SC079	YES	DRF A00-794-16	HBT	4	F	N	G
1H21*PML-32	SRM/IRH PREAMP RK	H21P032	GE	SC079	YES	DRF A00-794-16	HBT	4	F	N	G
1H21*PML-33	SRM/IRH PREAMP RK	H21P033	GE	SC079	YES	DRF A00-794-16	HBT	4	F	N	G
1H21*PML-34	HPCI LEAK DET RK	H21P034	GE	SC008	YES	SAI-029QA80PA	HBT	25	F	N	G
1H21*PML-35	CS/RCIC LH DET I	H21P035	GE	SC040	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PML-36	HPCI LEAK DET RK	H21P036	GE	SC008	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PML-37	RCIC LEAK DET RK	H21P037	GE	SC008	YES	SAI-029QA80PA	HBT	25	F	N	G
1H21*PML-38	RCIC LEAK DET RK	H21P038	GE	SC040	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PML-41	MN STEAM FLOW IR	H21P041	GE	SC040	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PML-73	HSIV LEAKAGE RK	H21P073	GE	SC063	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PML-74	HSIV LEAKAGE RK	H21P074	GE	SC063	YES	SAI-029QA80PA	HBT	8	F	N	G

CB =CONTROL BLDG
CS =COLD SHUT DOWN
DA =DYNAMIC ANALYSIS
F =FLOOR MOUNTED
HS =HOT STANDBY
HBT=MULTI-FREQUENCY
BIAXIAL TESTING
HST=MULTI-FREQUENCY
SINGLE AXIAL TESTING

P =PIPE MOUNTED
PC =PRIMARY CONT.
PL =PEDESTAL
QP =QUALIFIED BY
PIPING ANALYSIS
RW =RADWASTE
SA =STATIC ANALYSIS
SAT=SINGLE FREQUENCY
SINGLE AXIAL TESTING

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
SC =SECONDARY CONT.
/ =LOCATED ON CONT.
HALL
T =MAIN STM. TUNNEL
N =NEITHER CS OR HS
Z =PASSIVE ITEM
(SORT PAPER NOT
REQ'D)

QUALIFICATION MILESTONES
A =REEVALUATION COMPLETE
B =REQUEST FOR REQUAL OR BID ISSUED
C =S/N RECOMMENDATION TOLILCO
D =QUAL DOC RECEIVED
E =HARDWARE MODIFICATION REQ'D
F =QUAL DOC APVD & FILED
G =SORT PAPER COMPLETE
H =COPIES OF DOC TO DISTRIBUTION

REVISION 6 -JANUARY 1983

NOTE: NUMBER IN
'TYPE HTNG' COLUMN IS
QUANTITY OF ITEMS.