



LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

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

JOHN D. LEONARD, JR.

VICE PRESIDENT - NUCLEAR OPERATIONS

July 9, 1984

SNRC-1055

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

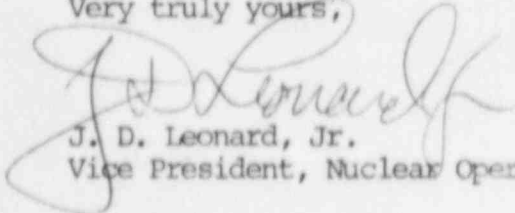
- References:
1. NRC letter (A. Schwencer) to LILCO (M. S. Pollock), dated November 10, 1982, "Trip Report for Second Seismic Qualification Review Team (SQRT) Plant Site Audit"
 2. LILCO letter, SNRC-796, (J. L. Smith) to the NRC (H. R. Denton), dated November 23, 1982

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. D. Leonard, Jr.
Vice President, Nuclear Operations

GJG/ck
Enclosure

cc: C. Petrone
Dr. Morris Reich, BNL, (4)

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PDR ADOCK 05000322
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SHOREHAM UNIT 1
JOB NUMBER 1160002
LILCO DOCKET 50-322

STONE & WEBSTER ENGINEERING CORPORATION
MISCELLANEOUS CATEGORY 1 EQUIPMENT
BOP QUALIFICATION LEVEL (20 ITEMS)
IS-316

RUN DATE 05/29/84
RUN TIME 16.13.42
PAGE 1

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP.	VENDOR	ELDG. ELEV.	AVAIL. INSP.	QUAL. REPT.	QUAL. METH.	FREQ.	TYPE	SAFE HITTING SHOTDN.	QUAL. STATUS
1K41*PT-011	SVC WTR HDR PRESS	406-2	CD	ROSENBLUTH	SN	YES	127516	HBT	60+	F	CS,HS	H
1P41*HDV031	SERV WATER DIS	197-7	PD	PRATT	SH020	YES	D-0034-1	SA/SAT	33+	P4	CS,HS	H
1P41*HDV032	SERV WATER HDR IV	197-8	PD	PRATT	SH033	YES	D-0034-6	SA/SAT	33+	P2	CS,HS	H
1P41*HDV035	T BELON SUPPLY IV	197-9	PD	PRATT	SH025	YES	D-0034-6	SA/SAT	33+	P2	N	H
1P41*P-003	SERVICE WATER PUMPS	057	PD	BIRCHMAN-HILL	SH021	YES	ME-816	SA	28	F4	CS,HS	H
1P41*PDY150	SERV WTR DIFF	406-2	CD	ROSENBLUTH	SN	YES	127516	HBT	60+	F4	CS,HS	H
1P41*FRL-FX1	FD AUX RELAY CABINET	125-2	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	NO7503	DA	17	F4	CS,HS	H
1R24*HCC1110	460 V MOTOR CONT CENTE	115-1	ED	SQUARE D CO	SH021	YES	108-1.01L2	HBT	4	F	CS,HS	H
1R24*HCC1120	430 V MOTOR CONT CENTE	115-1	ED	SQUARE D CO	SH021	YES	108-1.01L2	HBT	4	F	CS,HS	H
1P43*P-201	FUEL OIL XFER PU	420	PD	CRANE CO	YD020	YES	ME572	SA	13	F3	CS	H
1P43*P-202	FUEL OIL XFER PU	420	PD	CRANE CO	YD020	YES	ME572	SA	13	F3	CS	H
1P43*RV025	P-202 DISCH	191	CD	LOMERGAN	PH024	YES	502644	SA	60	P3	CS	H
1P43*RV026	P-201 DISCH	191	CD	LOMERGAN	PH024	YES	502644	SA	60	P3	CS	H
1K43*TN-132	FUEL OIL STORAGE	114-3	PD	DUFFALO TANK	YD020	YES	13H01-22	SA	14	F3	CS	H
1K41*FH-060	SCOTTELL PUMPHSE SLIP	270-6	PD	DUFFALO FORGE	SH034	YES	745-11140	SA	26+	F2	CS,HS	H
1K41*HD0042	FH-60 OUTDOOR AIR	319-4	CD	PONERS	SH025	YES	44057-1	HBT	21	F2	CS,HS	H
1K41*HD0043	FH-60 EXHAUST AIR	319-4	CD	PONERS	SH025	YES	44057-1	HBT	21	F2	CS,HS	H
1K41*HD0044	FH-60 RETURN AIR	319-4	CD	PONERS	SH025	YES	44057-1	HBT	21	F2	CS,HS	H

CS =COLD SHUT DOWN	P =PIPE MOUNTED	QUALIFICATION MILESTONES	REVISION 21	MAY	1984
DA =DYNAMIC ANALYSIS	PC =PRIMARY CONT.	A =REEVALUATION COMPLETE			
F =FLOOR MOUNTED	PL =PEDESTAL	B =REQUEST FOR QUAL OR BID ISSUED			
HS =HOT STANDBY	OP =QUALIFIED BY	C =S/W RECOMMENDATION TO LILCO			
HOT=MULTI-FREQUENCY	PIPING ANALYSIS	D =QUAL DOC RECEIVED			
BIAXIAL TESTING	SA =STATIC ANALYSIS	E =HARDWARE MODIFICATION REQ'D			
HST=MULTI-FREQUENCY	SAT=SINGLE FREQUENCY	F =QUAL DOC APVD & FILED			
SINGLE AXIAL TESTING	SINGLE AXIAL TESTING	G =SQRT PAPER COMPLETE			
		H =COPIES OF DOC TO DISTRIBUTION			
		(SQRT PAPER NOT REQ'D)			

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

SHOREHAM UNIT 1
JOB NUMBER 1160002
LILCO DOCKET 50-322

W LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
MISCELLANEOUS CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (20 ITEMS)
IS-316

RUN DATE 05/29/84
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PAGE 2

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE SAFE HTNG SHDN	QUAL STATUS
1X41-TT008	SCRUB PURPOSE TEMP	319-4	CD	POWERS	SH025	YES	43812-1	HBT	24	F2 H	H

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BIAXIAL TESTING
SC =SECONDARY CONT.
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HALL
H =NEITHER CS OR HS
Z =PASSIVE ITEM
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REVISION 21 MAY 1984

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STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I FLOOR-MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (153 ITEMS)
IS-316

RUN DATE 05/29/84
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PAGE 1

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHUTDN	QUAL STATUS
1B21-LIT007	PRESS TRANSMITTER	406-6	CD	ROSEMOUNT	SC079	YES	108025	HBT	50	F2	CS,HS	H
1B21-PHS081	LIMIT SWITCH	10127	CD	NAHCO	PC082		QTR112	SAT	100	P12	N	H
1B21-PHS082	LIMIT SWITCH	10127	CD	NAHCO	SC082		QTR112	SAT	100	P12	N	H
1B21-PT 004	PRESS TRANSMITTER	406-6	CD	ROSEMOUNT	SC079	YES	108025	HBT	50	F2	CS,HS	H
1B21-PT 153	RV092 MONITOR	406-2	CD	ROSEMOUNT	SC040	YES	127516	HBT	60+	F11	CS,HS	H
1B21-QEN001	HS SRV QNHRS	447	PD	SARGENT	PC008	YES	R-S-10078000	DA	9	F11	CS,HS	H
1B21-RV 093	VAC RELIEF VALVES	175	PD	AND. GRIND	PC	YES	H05905198	SAT	18	F12	N	H
1B21-TE 147	HST PA STEAM LH DET	406-1	CD	ROSEMOUNT	SC078	YES	2767	SAT	60+	F2	CS,HS	H
1C11-SOV042	SOLENOID VALVE - ARI	10119	CD	ASCO	SC063	YES	DTB04R771651	SAT	90	F2	CS,HS	H
1C11-SOV048	SOLENOID VALVE - ARI	10119	CD	ASCO	SC063	YES	DTB04R771651	SAT	90	F2	CS,HS	H
1C61-LT 026	SUPP POOL	406-2	CD	ROSEMOUNT	SC008	YES	127516	HBT	60+	F	CS,HS	H
1C61-PT 012	DRYWELL PRESS	406-2	CD	ROSEMOUNT	SC098	YES	127516	HBT	60+	F	CS,HS	H
1C61-PT 106	SAFETY REL VALVE	406-2	CD	ROSEMOUNT	SC101	YES	127516	HBT	60+	F	CS,HS	H
1C61-TE 021	DRYWELL TEMP	406-1	CD	ROSEMOUNT	SC150	YES	2767	SAT	60+	F	CS,HS	H
1C61-TE 022	SUPP POOL TEMP	406-4	CD	ROSEMOUNT	PC028	YES	17607-1	HBT	60+	F2	CS,HS	H
1D11-FIL061	CON DH MON	332	PD	INIC	SC112	YES	45493-1	HBT	12	F	N	H
1B21-RE 085	RAD MONITOR	475-3	CD	MAHAN	PC074	YES	16683-1	HBT	100	F2	N	H
1E21-P-049	LOOP LEVEL PUMPS	235	PD	GOULD PUMP	SC008	YES	HE-320	SA	60+	F2	CS	H
1E41-P-050	LOOP LEVEL PUMP	235	PD	GOULD PUMP	SC008	YES	HE-320	SA	60+	F	CS	H
1E41-PT 142	TO LUDE OIL COOLER	406-2	CD	ROSEMOUNT	SC8	YES	127516	HBT	60+	F	CS,HS	H

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PAGE 2

INSTR NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHDN	QUAL STATUS
1E51-P-051	LOOP LEVEL PUMP	235	PD	GOULD PUMP	SC008	YES	HE-320	SA	60+	F	CS	H
1E51-PT 142	TO LUBE OIL COOLER	406-2	CD	ROSEMOUNT	SC8	YES	127516	HBT	60+	F	CS,HS	H
1F16-RAK-22	HE DENSITY SPNT FUEL R	427	PD	HACHTER	SC137	YES	LIL-T-151	DA	10	F29	N	H
1F16-RAK-23	PERH CR STOR RACKS	427	PD	HACHTER	SC137	YES	LIL-T-151	DA	10	F	N	H
1F16-RAK-24	TEMP CR STOR RACKS	427	PD	HACHTER	SC137	YES	LIL-T-151	DA	10	F2	N	H
1G11-FT 647	SUMP POOL PUMP BACK	406-2	CD	ROSEMOUNT	SC008	YES	127516	HBT	60+	F3	CS,HS	H
1G11-LE 642	RG FLOOR LEVEL	473	CD	DELAVAL	SC008	YES	45700-1	HBT	14	F	N	H
1G11-LE 645	RG FLOOD LEVEL	473	CD	DELAVAL	SC008	YES	45700-1	HBT	14	F2	N	H
1G41-E-019	FUEL STG POOL HT EXCHA	190-1	PD	STRUTHERS CO	SC151	YES	70-06-30767	SA	25	F2	CS,HS	H
1G41-P-023	FUEL STORAGE POOL COOL	042G-1	PD	GOULD PUMP	SC151	YES	HE-325	SA	33	F2	N	H
1P41-FT 144	RECLOC HX SERV WATER	406-2	CD	ROSEMOUNT	SC024	YES	127516	HBT	60+	F2	CS,HS	H
1P41-FT 151	RAD MON SAMPLE	406-2	CD	ROSEMOUNT	SC008	YES	127516	HBT	60+	F2	CS,HS	H
1P42-E-011	RECLOC HT EXCHANGER	190-2	PD	STRUTHERS CO	SC8	YES	70-06-30766	SA	12	F2	CS,HS	H
1P42-E-117	BOOSTER HT EXCH	190-3	PD	STRUTHERS	SC8	YES	79-06-33475	SA	5+	F2	HS	H
1P42-LS 012	RECLOC TH-026	407-1	CD	MAGNETROL	SC160	YES	43235-1	HBT	17	F2	HS	H
1P42-LS 013	RECLOC TH-026	407-1	CD	MAGNETROL	SC160	YES	43235-1	HBT	17	F2	HS	H
1P42-P-005	RG CLOSED LOOP COOLING	042G-3	PD	GOULD PUMP	SC151	YES	HE-354	SA	60	F3	HS	H
1P42-PS 021	PUMP 1P42-P005C DISCH	348-2	ED	ASCO	SC153	YES	178	SAT	60+	F3	HS	H
1P42-PS 022	PUMP 1P42-P005B DISCH	348-2	ED	ASCO	SC153	YES	178	SAT	60+	F3	HS	H
1P42-PS 044	PUMP 1P42-P005A DISCH	348-2	ED	ASCO	SC151	YES	178	SAT	60+	F3	HS	H

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REVISION 21 MAY 1984
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SHOREHAM UNIT 1
JOB NUMBER 1140002
LILCO DOCKET 50-322

RB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I FLOOR-MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (153 ITEMS)
IS-316

RUN DATE 05/29/84
RUN TIME 16.13.37
PAGE 3

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTTG	SAFE SHDN	QUAL STATUS
1P42WK-026	RECLCH HEAD TANK	114-2	PD	BUFFALO TANK	SC151	YES	NWB125-1A	SA	9	F2	HS	H
1P50*PS 105	SERV AIR HDR PRESS	348-2	ED	ASCO	SC102		178	SAT	60+	F2	CS,HS	H
1P50*PS 113	SERV AIR HDR NORM SHP	348-2	ED	ASCO	SC102		178	SAT	60+	F2	CS,HS	H
1P50*PT 111	ADS ACCUMULATOR	406-2	CD	ROSEMOUNT	SC101	YES	127516	HBT	60+	F2	CS,HS	H
1P50*PT 116	SERV AIR HDR PRESS	406-2	CD	ROSEMOUNT	SC101	YES	127516	HBT	60+	F2	CS,HS	H
1R24*HCC-111H	MTR CNTRL CNTR	115-1	ED	SQUARE D CO	SC150	YES	100-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC-111X	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC113	YES	100-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC-111Y	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC78	YES	100-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC-111Z	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC78	YES	100-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC-112H	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC150	YES	100-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC-112X	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC78	YES	100-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC-112Y	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC112	YES	100-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1111	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC40	YES	100-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1112	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC113	YES	100-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1113	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC113	YES	100-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1114	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC151	YES	100-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1117	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC40	YES	100-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1118	480 V MOTOR CONT CENTE	115-1	ED	SQUARE D CO	SC113	YES	100-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1119	480 V MOTOR CONT CENTE	115-1	ED	SQUARE D CO	SC40	YES	100-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1121	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC40	YES	100-1.01-L2	HBT	4	F	CS,HS	H

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PAGE 4

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1R24WCC1122	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC79	YES	100-1.01-L2	HBT	4	F	CS,HS	H
1R24WCC1123	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC113	YES	100-1.01-L2	HBT	4	F	CS,HS	H
1R24WCC1124	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC151	YES	100-1.01-L2	HBT	4	F	CS,HS	H
1R24WCC1127	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC40	YES	100-1.01-L2	HBT	4	F	CS,HS	H
1R24WCC1128	400 V MOTOR CONT CENTE	115-1	ED	SQUARE D CO	SC113	YES	100-1.01-L2	HBT	4	F	CS,HS	H
1R24WCC1129	400 V MOTOR CONT CENTE	115-1	ED	SQUARE D CO	SC40	YES	100-1.01-L2	HBT	4	F	CS,HS	H
1R24WCC1131	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC63	YES	100-1.01-L2	HBT	4	F	CS,HS	H
1R24WIG-111	LPCI HG SET	439-1	ED	LOUIS ALLIS	SC150	YES	HE698	SA	27	F	N	H
1R24WIG-112	LPCI HG SET	439-1	ED	LOUIS ALLIS	SC150	YES	HE698	SA	27	F	N	H
1R24WIG-113	LPCI HG SET	439-1	ED	LOUIS ALLIS	SC150	YES	HE698	SA	27	F2	N	H
1R24WIL-B1	400 VAC CNT BKR	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WIL-G1	400 VAC CNT BKR	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WIL-R1	400 VAC CNT BKR	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WIL-R2	400 VAC CNT BKR	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WIL-Y1	400 VAC CNT BKR	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WIL-01	400 VAC CNT BKR	115-2	ED	SQUARE D CO	SC78	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WIL-02	400 VAC CNT BKR	115-2	ED	SQUARE D CO	SC78	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WIL-03	400 VAC CNT BKR	115-2	ED	SQUARE D CO	SC78	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WIL-04	400 VAC CNTRL PHR FEED	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WIL-111	LPCI SIP PHL	439-2	ED	LOUIS ALLIS	SC150		84-66829	HBT	27	F	N	H

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HST=REAL-TIME-FREQUENCY
SINGLE AXIAL TESTING

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REVISION 21 MAY 1984

NOTE: NUMBER IN
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SHOREHAM UNIT 1
JOB NUMBER 1160002
LILCO DOCKET 50-322

R3 LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I FLOOR-MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (153 ITEMS)
IS-316

RUN DATE 05/29/84
RUN TIME 16.13.37
PAGE 5

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	Q'IAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE *SHUTDN	QUAL STATUS
1R24*PIL-112	LPCI SIP PIL	439-2	ED	LOUIS ALLIS	SC150		84-66829	HBT	27	F	N	H
1R24*PIL-113	LPCI SIP PIL	439-2	ED	LOUIS ALLIS	SC150		84-66829	HBT	27	F2	N	H
1R24*TRS111X	LCPI ATS	438	ED	ASCO	SC112	YES	14606	HBT	13	F	CS,HS	H
1R24*TRS112Y	LCPI ATS	438	ED	ASCO	SC112	YES	14606	HBT	13	F	CS,HS	H
1R35*PIL-B2	EHER 120 V PIL B2-SC	124-1	ED	SYSTEM CONT	SC112	YES	45322-1	HBT	15	F	CS,HS	H
1R35*PIL-R2	EHER 120 V PIL R2-SC	124-1	ED	SYSTEM CONT	SC112	YES	45322-1	HBT	15	F	CS,HS	H
1R35*T-B2	480-120/240V TRANS	248-1	ED	MAGNETICS	SC112	YES	WYLE43424-1	HBT	9	F	CS,HS	H
1R35*T-R2	480-120/240V TRANS	248-1	ED	MAGNETICS	SC112	YES	WYLE43424-1	HBT	9	F	CS,HS	H
1R42*HCC-0A1	125 VDC MOTOR CONT CEN	168	ED	GEN ELEC	SC40	YES	79GPC005	SAT	100	F	CS,HS	H
1R42*HCC-0A2	125 VDC MOTOR CONT CEN	168	ED	GEN ELEC	SC112	YES	79GPC005	SAT	100	F	CS,HS	H
1R42*HCC-0B1	125 VDC MOTOR CONT CEN	168	ED	GEN ELEC	SC40	YES	79GPC005	SAT	100	F	CS,HS	H
1R42*HCC-0B2	125 VDC MOTOR CONT CEN	168	ED	GEN ELEC	SC112	YES	79GPC005	SAT	100	F	CS,HS	H
1T23*Z-EA1	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	H
1T23*Z-EB1	REACTOR CONT ELEC PEN	456	ED	CONAX	PC078	YES	IPS 453	SAT	24	F	CS,HS	H
1T23*Z-EB2	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	H
1T23*Z-ED5	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	H
1T23*Z-ED6	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	H
1T23*Z-HB3	REACTOR CONT ELEC PEN	456	ED	CONAX	PC078	YES	IPS 453	SAT	24	F	CS,HS	H
1T23*Z-HB4	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	H
1T23*Z-HC4	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	H

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REVISION 21 MAY 1984
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SHOREHAM UNIT 1
JOB NUMBER 1160002
LILCO DOCKET 50-322

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STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I FLOOR-MOUNTED EQUIPMENT
BCP QUALIFICATION LEVEL (153 ITEMS)
IS-316

RUN DATE 05/29/84
RUN TIME 16.13.37
PAGE 6

WPK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE MTNG	SAFE SHTDN	QUAL STATUS
1123*Z-101	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC070	YES	F73414	SAT	24	F	CS,HS	H
1123*Z-102	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC070	YES	F73414	SAT	24	F	CS,HS	H
1146*ADD040	RB REFUEL LVL EXHAUST	319-1	CD	POWERS REGUL	SC154	YES	44540-1	SA/SAT	40	F2	CS	H
1146*ADD041	RB POT CONTAIN AREA EXH	319-5	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	CS,HS	H
1146*CLC-05	RDSVS COOLING COILS	274-1	PD	BUFFALO FORGE	SC113	YES	80H-27701	SA	5	F2	CS,HS	H
1146*FLT-01	RDSVS FILTER TRAINS	105-2	PD	FARR CO	SC112	YES	D-56291	SA/SAT	11	F2	CS,HS	H
1146*FH-003	RB EXH FANS-REWS	270-5	PD	BUFFALO FORGE	SC124	YES	745-11136	SA	15	F3	CS	H
1146*FH-079	RB EXH BOOSTER FAN	102-1	PD	BUFFALO FORGE	SC133	YES	745-4244C	SA	51	F2	CS,HS	H
1146*FT 004	RDSVS EXH AIR FLOW	319-5	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	H	H
1146*HE 002	FLT-1 HOISTURE	319-5	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	H	H
1146*HDD031	RDSVS INLET TO MIX PLN	319-5	CD	POWERS REGUL	SC135	YES	43812-1	SA/SAT	24	F2	CS,HS	H
1146*HDD034	RDSVS FILTER TRAIN DCH	319-2	CD	POWERS REGUL	SC102	YES	44540-1	SA/SAT	40	F2	CS	H
1146*HDD036	FH-3 DISCHARGE AIR	319-5	CD	POWERS REGUL	SC126	YES	43812-1	SA/SAT	24	F3	CS,HS	H
1146*HDD047	FH-79 DISCHARGE AIR	319-5	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	H	H
1146*HDD048	FLT-1 INLET AIR	319-5	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	H	H
1146*PDS045	FH-3 DIFF PRESSURE	319-5	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	CS,HS	H
1146*PDS046	FH-3 DIFF PRESSURE	319-5	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F3	CS,HS	H
1146*PDT003	FLT-1A DIFF PRESSURE	406-2	CD	ROSEHOUT	SC112	YES	127516	HOT	60+	F2	CS,HS	H
1146*PDT043	REACTOR BLDG DIFF	406-2	CD	ROSEHOUT	SC220	YES	127516	HOT	60+	F2	CS,HS	H
1146*TE 001	RDSVS RECIRC AIR TEMP	406-1	CD	ROSEHOUT	SC444	YES	2767	SAT	60+	F2	CS,HS	H

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REVISION 21 MAY 1984
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ITEM NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE MTNG	SAFE SHDN	QUAL STATUS
1T46*TE 006	TEMP. ELEMENT	406A	CD	CONAX	SC048	YES	IPS-005	HBT	60+	F	CS,HS	H
1T46*TE 022	AIR RETURN TO UC-2	406-1	CD	ROSEHOUT	SC10	YES	2767	SAT	60+	F2	CS,HS	H
1T46*TE 023	AIR RETURN TO UC-3	406-1	CD	ROSEHOUT	SC42	YES	2767	SAT	60+	F2	CS,HS	H
1T46*TE 024	AIR RETURN TO UC-4	406-1	CD	ROSEHOUT	SC220	YES	2767	SAT	60+	F2	CS,HS	H
1T46*TE 025	AIR RETURN TO UC-5	406-1	CD	ROSEHOUT	SC220	YES	2767	SAT	60+	F2	CS,HS	H
1T46*TE 028	HCC RH UNIT COOLER	406-1	CD	ROSEHOUT	SC120	YES	2767	SAT	60+	F2	CS,HS	H
1T46*TE 059	*UC-21 UNIT CLR	406-1	CD	ROSEHOUT	SC155	YES	2767	SAT	60+	F2	CS,HS	H
1T46*TE 060	*UC-22 UNIT CLR	406-1	CD	ROSEHOUT	SC160	YES	2767	SAT	60+	F2	CS,HS	H
1T46*UC-002	UNIT COOLERS-RDSVS	276-2/6	PD	BUFFALO FORGE	SC8	YES	80H-27781	SA	5	F2	CS,HS	H
1T46*UC-003	UNIT COOLERS-RDSVS	276-2/6	PD	BUFFALO FORGE	SC008	YES	80H-27781	SA	5	F2	CS,HS	H
1T46*UC-004	UNIT COOLERS-RDSVS	276-3	PD	BUFFALO FORGE	SC175	YES	80H-27781	SA	5	F2	CS,HS	H
1T46*UC-005	UNIT COOLERS-RDSVS	276-3	PD	BUFFALO FORGE	SC175	YES	80H-27781	SA	5	F2	CS,HS	H
1T46*UC-020	UNIT COOLERS-HCC IN RB	276-4	PD	BUFFALO FORGE	SC112	YES	80H-27781	SA	5	F2	CS,HS	H
1T46*UC-021	UNIT COOLERS	276-5	PD	BUFFALO FORGE	SC150	YES	80H-27781	SA	5	F2	CS,HS	H
1T46*UC-022	UNIT COOLERS - RDSVS	276-5	PD	BUFFALO FORGE	SC161	YES	80H-27781	SA	5	F2	CS,HS	H
1T46*UC-023	UNIT COOLER HCC RB	276-7	PD	BUFFALO FORGE	SC040	YES	80H-27903-6	SA	5	F	N	H
1T40*FT 005H	HEPA FILTER INLET	406-2	CD	ROSEHOUT	SC113	YES	127516	SAT	60+	F2	CS,HS	H
1T40*LS 061	COLD LEVEL	407-1	CD	HAGNETROL	SC73	YES	43235-1	HBT	17	F2	HS	H
1T40*PIL-40	HYD RECOMB POWER CABIN	209-1	PD	ATONICS INT	SC112	YES	50083	HBT	14	F2	N	H
1T40*FIL-40	GAS ANALYZER-DRYWELL	344-1	PD	DELPHI IND	SC112	YES	1035-1	HBT	18	F2	N	H

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SHOREHAM UNIT 1
JOB NUMBER 1160002
LILCO DOCKET 50-322

RB LIST
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ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I FLOOR-MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (153 ITEMS)
IS-316

RUN DATE 05/29/84
RUN TIME 16.13.37
PAGE 8

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	DLG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	REQ	TYPE MTNG	SAFE SHDN	QUAL STATUS
1T48*PIL-69	GAS ANALYZER-SUPPR CHH	344-1	PD	DELPHI IND	SC112	YES	1035-1	HBT	18	F2	N	H
1T48*RC-002	HYD RECOMB UNIT	289-2	PD	ATONICS INT	SC112	YES	54591-2	HBT	14	F2	N	H
1Z93*LT 001	SUPPRESSION POOL LEVEL	406-2	CD	ROSEHOUNT	SC8	YES	127516	SAT	60+	F2	CS,HS	H
1Z93*PT 003	DRYNELL PRESSURE	406-3	CD	ROSEHOUNT	SC98	YES	108025	HBT	60+	F2	CS,HS	H
1Z93*PT 004	SUPP POOL PRESS	406-3	CD	ROSEHOUNT	SC40	YES	108025	HBT	60+	F2	CS,HS	H
1Z93*TE 110	RV092ACL DISCHARGE-1FT	406-4	CD	ROSEHOUNT	PC28	YES	17607-1	HBT	60+	F4	N	H
1Z93*TE 111	RV092BDE DISCHARGE-1FT	406-4	CD	ROSEHOUNT	PC28	YES	1760.	HBT	60+	F4	N	H
1Z93*TE 112	RV092KG DISCHARGE-1FT	406-4	CD	ROSEHOUNT	PC28	YES	17607-1	HBT	60+	F4	N	H
1Z93*TE 113	RV092FHJ DISCHARGE-1FT	406-4	CD	ROSEHOUNT	PC28	YES	17607-1	HBT	60+	F4	N	H
1Z93*TE 132	RV092ACL DISCHARGE-2FT	406-4	CD	ROSEHOUNT	PC28	YES	17607-1	HBT	60+	F2	N	H
1Z93*TE 133	RV092BDE DISCHARGE-2FT	406-4	CD	ROSEHOUNT	PC28	YES	17607-1	HBT	60+	F2	N	H
1Z93*TE 134	RV092KG DISCHARGE-2FT	406-4	CD	ROSEHOUNT	PC28	YES	17607-1	HBT	60+	F2	N	H
1Z93*TE 135	RV092FHJ DISCHARGE-2FT	406-4	CD	ROSEHOUNT	PC28	YES	17607-1	HBT	60+	F2	N	H

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MAY 1984

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JOB NUMBER 1160002
LILCO DOCKET 50-322

CB LIST
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STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (218 ITEMS)
IS-316

RUN DATE 05/29/84
RUN TIME 16.13.44
PAGE 1

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ MTNG	SAFE SHTDN	QUAL STATUS
1B21*PIRL-501	TRIP/CALIB UNIT	406-5	CD	ROSEMOUNT	063	YES	127531	SAT	57+ F	N	H
1B21*TE-037	M1 5TH LINE TURB AREA	406-1	CD	ROSEMOUNT	042	YES	2767	SAT	35+ F4	CS,HS	H
1D11*P-126	AUX. PUMP SKID	475-5	PD	KAHAN	070	YES	K-82-U(R)	SA	33+ F	N	F
1D11*P-134	AUX. PUMP SKID	475-5	PD	KAHAN	120	YES	K-82-U(R)	SA	33+ F	N	F
1D11*PHL-021	RBSBVS MONITORING PANE	332	PD	IRIC	063	YES	45493-1	HBT	13 F	N	H
1D11*PHL-022	RESBVS MONITORING PANE	332	PD	IRIC	063	YES	45493-1	HBT	13 F	N	H
1D11*PHL-025	CONT ROOM MONITOR PHL	332	PD	IRIC	044	YES	45493-1	HBT	14 F2	N	H
1D11*PHL-026	CONT ROOM MONITOR PHL	332	PD	IRIC	044	YES	45493-1	HBT	14 F2	N	H
1D11*PHL-027	CONT RH VENT MONIT PHL	332	PD	IRIC	063	YES	45493-1	HBT	13 F	N	H
1D11*PHL-066	POST ACCOUNT MON	332	PD	IRIC	063	YES	45493-1	HBT	14 F	N	H
1D11*PHL-067	POST ACCDNT MONITORS	332	PD	IRIC	063	YES	45493-1	HBT	14 F	N	H
1D11*PHL-068	POST ACCDNT MONITORS	332	PD	IRIC	063	YES	45493-1	HBT	14 F	N	H
1D11*PHL-069	POST ACCDNT MONITORS	332	PD	IRIC	063	YES	45493-1	HBT	14 F	N	H
1D11*PHL-080	RAD MON PHL	332	PD	IRIC	063	YES	45493-1	HBT	6 F2	N	H
1D11*PHL-117	RAD MON SYS IND	475-4	PD	KAHAN	063	YES	K-83-1-U(R)	SA	27 F2	N	D
1D11*PHL-126	STA VENT MONITOR	475-1	PD	KAHAN	063	YES	16435	HBT	4 F	N	H
1D11*PHL-134	RB SVS MONITOR	475-1	PD	KAHAN	113	YES	16435	HBT	4 F	N	H
1D11*PHL-135	MICROCOMP FOR PHL126	475-2	PD	KAHAN	063	YES	16435-A	HBT	19 F	N	H
1D11*PHL-137	MICROCOMP FOR PHL134	475-2	PD	KAHAN	063	YES	16435-A	HBT	19 F	N	H
1G11*LTS-642	TK56 LEVEL	473	CD	DELAVAL	063	YES	45700-1	HBT	14 F	N	H

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P =PIPE MOUNTED
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QUALIFICATION MILESTONES
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REVISION 21 MAY 1984
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SHOREHAM UNIT 1
JOB NUMBER 1160002
LILCO DOCKET 50-322

CB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (218 ITEMS)
IS-316

RUN DATE 05/29/84
RUN TIME 16.13.44
PAGE 2

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE	SAFE	QUAL STATUS
1G11*LT5-645	RB FLOOD LEVEL	473	CD	DELAVAL	063	YES	45700-1	HBT	14	F2	N	H
1H11*HCB-01	MAIN CONTROL BOARD	120	CD	RELIANCE	063	YES	43331-1	SA/HST	16	F	CS,HS	H
1H11*PHL-AC1	H2&O2 ANAL&PST ACC SAM	125-4	CD	RELIANCE	063	YES	RCAP-001-0	SA	13	F	CS	H
1H11*PHL-AC2	H2&O2 ANAL&PST ACC SAM	125-4	CD	RELIANCE	063	YES	RCAP-001-0	SA	13	F	CS	H
1H11*PHL-BR1	BUFFER RELAY CAB	125-5	CD	RELIANCE	044	YES	99AX400536	SA/HST	37	F	CS,HS	H
1H11*PHL-HXP	MISC CONTROL PANEL	125-12	CD	RELIANCE	063	YES	99AX400590	SA/HST	17	F	CS,HS	H
1H11*PHL-PCM	PRI CONT MONITOR PANEL	125-13	CD	RELIANCE	063	YES	99AX400666	SA/HST	14	F	N	H
1H11*PHL-VC1	TB & MISC VENT	125-6	CD	RELIANCE	063	YES	99AX400536	SA/HST	17	F	CS	H
1H11*PHL-VC2	RB VENT	125-6	CD	RELIANCE	063	YES	99AX400536	SA/HST	17	F	CS	H
1H21*PHL-AX1	AUX RELAY	125-7	CD	RELIANCE	044	YES	99AX400590	SA/HST	32	F	CS,HS	H
1H21*PHL-AX2	AUX RELAY	125-7	CD	RELIANCE	044	YES	99AX400590	SA/HST	32	F	CS,HS	H
1H21*PHL-AX3	AUX RELAY PANEL AX3	125-14	CD	RELIANCE	063	YES	AAI-131	SA/HST	22	F	CS,HS	H
1H21*PHL-AX5	AUX RELAY PANEL AX5	125-14	CD	RELIANCE	063	YES	AAI-131	SA/HST	22	F	CS,HS	H
1H21*PHL-AX6	AUX RELAY PANEL AX6	125-14	CD	RELIANCE	063	YES	AAI-131	SA/HST	22	F	CS,HS	H
1H21*PHL-VX1	VENT AUX RELAY	125-8	CD	RELIANCE	044	YES	99AX0536-VX1	SA/HST	34	F	CS,HS	H
1H21*PHL-VX2	VENT AUX RELAY	125-8	CD	RELIANCE	044	YES	99AX0536-VX1	SA/HST	34	F	CS,HS	H
1H21*PHL-VX3	VENT AUX RELAY	125-8	CD	RELIANCE	044	YES	99AX0536-VX1	SA/HST	23	F	CS,HS	H
1H21*PHL-060	ELEC ANAL INSTR RK	125-1	CD	RELIANCE	044	YES	99AX400679	SA/HST	33	F	CS,HS	H
1H43*HS003	FIRE DET SH STA	319-4	ED	POHRS REG	044	YES	43812-1	HBT	24	F3	CS,HS	H
1H43*HS006	FIRE DET SH STA	319-4	ED	POHRS REG	025	YES	43812-1	HBT	24	F3	CS,HS	H

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STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (210 ITEMS)
IS-316

RUN DATE 05/29/84
RUN TIME 16.13.44
PAGE 3

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ	HTNG	SAFE SHTDN	QUAL STATUS
1H43*PHL-C01	C02 DETEC PHL RELAY R1	230	PD	RELIANCE	044	YES	44204-1	HBT	17	F2	N	H
1H43*PHL-C02	C02 SUPVR PHL BATTERY	230	PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H
1H43*PHL-C03	C02 SUPVR PHL BATTERY R	230	PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H
1H43*PHL-C04	C02 SUPVR PHL BATTERY R	230	PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H
1H43*PHL-C05	C02 SUPVR PHL DSL RH 1	230	PD	RELIANCE	015	YES	44204-1	HBT	17	F	N	H
1H43*PHL-C06	C02 SUPVR PHL DSL RH 1	230	PD	RELIANCE	015	YES	44204-1	HBT	17	F	N	H
1H43*PHL-C07	C02 SUPVR PHL DSL RH 1	230	PD	RELIANCE	015	YES	44204-1	HBT	17	F	N	H
1H43*PHL-C08	C02 SUPVR PHL EMER SMS	230	PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H
1H43*PHL-C09	C02 SUPVR PHL EMER SHG	230	PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H
1H43*PHL-C10	C02 SUPVR PHL EMER SHG	230	PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H
1H43*PHL-C11	C02 SUPVR PHL COMPUTER	230	PD	RELIANCE	044	YES	44204-1	HBT	17	F	N	H
1H50*AOV062	RDSVS & CRAC	423-1	CD	FISHER	071	YES	CD76-82	SAT	23	P2	CS,HS	H
1H50*AOV063	RDSVS & CRAC	423-1	CD	FISHER	071	YES	CD76-82	SAT	23	P2	CS,HS	H
1H50*AOV066	CHILLED HTR ISO BY	310-6	CD	COPEES VULCAN	071	YES	10.3.115	SA	124	P2	CS,HS	H
1H50*AOV069	CHILLED HTR ISO BY	310-6	CD	COPEES VULCAN	075	YES	10.3.115	SA	124	P2	CS,HS	H
1H50*FT-043	HC-3 EVAP	406-2	CD	ROSEMONT	063	YES	127516	SBT	50	F2	CS,HS	H
1H50*FT-053	HC-4 EVAP	406-2	CD	ROSEMONT	063	YES	127516	SBT	50	F2	CS,HS	H
1H50*LCV025	CH SYSTEM A MAKEUP	310-6	CD	COPEES VULCAN	072	YES	10.3.115	SA	124	P2	CS,HS	H
1H50*LS 002	ISOL BYP V AOV60A,69A	407-1	CD	MAGNETROL	063	YES	43235-1	HBT	17	F2	HS	H
1H50*LS 025	CH SYSTEM A MAKEUP	407-1	CD	MAGNETROL	063	YES	43235-1	HBT	17	F2	HS	H

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EOP QUALIFICATION LEVEL (210 ITEMS)

RUN DATE 05/29/84
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PAGE 4

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE	SAFE SHDN	QUAL STATUS
1H50*HOV031	CH RETURN	197-5	PD	PRATT	071	YES	D-0034-7	SA	394	P2	CS,HS	H
1H50*HOV032	CH SUPPLY	197-5	PD	PRATT	075	YES	D-0034-7	SA	394	P2	CS,HS	H
1H50*HOV033	CH RETURN CROSSOVER	197-5	PD	PRATT	071	YES	D-0034-7	SA	394	P2	CS,HS	H
1H50*HOV034	CH SUPPLY CROSSOVER	197-5	PD	PRATT	075	YES	D-0034-7	SA	394	P2	CS,HS	H
1H50*P-137	PBSVS & CRAC CH PUMPS	62G-2	PD	GOULD PUMPS	063	YES	HE-326	SA	81	F2	CS,HS	H
1H50*P-138	PBSVS & CRAC CH PUMPS	62G-2	PD	GOULD PUMPS	063	YES	HE-326	SA	81	F2	CS,HS	H
1H50*P-139	PBSVS & CRAC COND PUMP	62H	PD	WORTHINGTON	063	YES	DHA-000047	SA	31	F2	CS,HS	H
1H50*P-140	PBSVS & CRAC COND PUMP	62H	PD	WORTHINGTON	063	YES	DHA-000047	SA	31	F2	CS,HS	H
1H50*PCV019	RDSV H50 DIFF PRESS	310-2	CD	FISHER CONTROL	063	YES	2-24451	SA/SAT	25	P2	CS	H
1H50*PDI019	RDSVS H50 DIF PR	406-2	CD	ROSEMONT	063	YES	127516	SBT	50	F2	CS,HS	H
1H50*PIL-03	CHILLER CONTROL PANEL	106-2	PD	TRANE CO	063	YES	HUC-102	SA	13	F2	CS,HS	H
1H50*PIL-04	CHILLER CONTROL PANEL	106-2	PD	TRANE	063	YES	HUC-102	SA	13	F2	CS,HS	H
1H50*RV091	CHILLED H2O SURGE TKG8	191	CD	LOWERGAN	072	YES	502644	SA	60	P2	CS,HS	H
1H50*TE 089	PBSVS CHILLED WTR SYS	406-1	CD	ROSEMONT	070	YES	2767	SAT	35+	F2	CS,HS	H
1H50*TK-008	PBSVS & CRAC-SURGE TANK	114-1	PD	BUFFALO TANK	063	YES	HH(B)-122-1A	SA	45	F2	CS,HS	H
1H50*HC-003	PBSVS & CRAC WTR CHILL.	106-1	PD	TRANE CO	063	YES	HUC-102	SA	31	F2	CS,HS	H
1H50*HC-004	PBSVS & CRAC WTR CHOLL	106-1	PD	TRANE CO	063	YES	HUC-102	SA	31	F2	CS,HS	H
1H11*HOV031	2HD STAGE REHEAT STM	88V-14	PD	VELAN	051	YES	SR-6262	SA/SAT	33+	P2	HS	H
1H11*HOV036	HISC STM FROM HOR ISO	88V-14	PD	VELAN	051	YES	SR-6262	SA/SAT	33+	P	HS	H
1H11*HOV041	AUXILIARY STEAM SUPPLY	88V-8	PD	VELAN	051	YES	SR-6181	SA/SAT	33+	P	CS	H

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POST-MULTI-FREQUENCY	SAT=SINGLE FREQUENCY	(SQRT PAPER NOT	F =EQUAL DOC APVD & FILED		
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IS-316

RUN DATE 05/29/04
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PAGE 5

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VEHICOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ	HTNG	SAFE SHTDN	QUAL STATUS
1P41*AOV016	DIESEL HX E-13A OUTLET	423-1	CD	FISHER	025	YES	CD76-02	SA	23	P3	CS	H
1P41*FT 054	HC-3 COND HTR IN	406-2	CD	ROSEMONT	063	YES	127516	HBT	60+	F2	CS,HS	H
1P41*FT 059	HC-4 COND HTR IN	406-2	CD	ROSEMONT	063	YES	127516	HBT	60+	F2	CS,HS	H
1P41*MOV036A	VT CHILL HTR SPLY ISOL	197-4	PD	PRATT	012	YES	D-0034-3	SA	33+	P	CS,HS	H
1P41*MOV036B	VT CHILL HTR SPLY ISOL	197-4	PD	PRATT	012	YES	D-0034-3	SA	33+	P	CS,HS	H
1P41*MOV036C	VT CHILL HTR SPLY ISOL	197-6	PD	PRATT	050	YES	D-0034-4	SA	297	P	CS,HS	H
1P41*PS 008	SUCTION INS0*P-139B	348-1	CD	ASCO	063	YES	178	SAT	50+	F2	CS,HS	H
1P41*PS 069	SUCTION INS0*P-140B	348-1	CD	ASCO	063	YES	178	SAT	50+	F2	CS,HS	H
1P41*RV 019	OUTLET DIESEL HX-13	191	CD	LONERGAN	028	YES	502644	SA	60	P3	CS,HS	H
1P41*RV 064	CNTRL RH & RBSVS HC-3	191	CD	LONERGAN	072	YES	502644	SA	60	P2	HS	H
1P41*RV 065	CNTRL RH & RBSVS HC-4B	191	CD	LONERGAN	072	YES	502644	SA	60	P2	HS	H
1P41*TCV055	CNTRL RH & RBSVS HC-3	310-3	CD	FISHER CONT.	063	YES	CD76-20	SA	40	P6	CS,HS	H
1P41*TCV060	CNTRL RH & RBSVS HC-4	310-3	CD	FISHER CONT.	063	YES	CD76-20	SA	40	P6	CS,HS	H
1P41*TE 055	CNTRL RH & RBSVS HC-3	406A	CD	CONAX	069	YES	IPS-805	HBT	60	P2	CS,HS	H
1P41*TE 060	CNTRL RH & RBSVS HC-4	406A	CD	CONAX	060	YES	IPS-805	HBT	60	P2	CS,HS	H
1R22*SHG-101	4.16KV EMER BUS 101	39	ED	GEN ELEC CO	025	YES	300-91059	DA/SAT	8	F	CS,HS	H
1R22*SHG-102	4.16KV EMER BUS 102	39	ED	GEN ELEC CO	025	YES	300-91059	DA/SAT	8	F	CS,HS	H
1R22*SHG-103	4.16KV EMER BUS 103	39	ED	GEN ELEC CO	025	YES	300-91059	DA/SAT	8	F	CS,HS	H
1R23*PHL-001	480V LOAD RESET PANEL1	125-3	CD	RELIANCE	025	YES	AA1-125	SA/SAT	24	F	CS,HS	H
1R23*PHL-002	480V LOAD RESET PANEL2	125-3	CD	RELIANCE	025	YES	AA1-125	SA/SAT	24	F	CS,HS	H

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PAGE 6

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1R23*PHL-003	480V LOAD RESET PANEL3	125-3	CD	RELIANCE	025	YES	AAL-125	SA/SAT	24	F	CS,HS H	
1R23*SHG-111	480V EMER SHGR BUS 111	95-1	ED	ITE	025	YES	33-48359	HBT	5	F	CS,HS H	
1R23*SHG-112	480V EMER SHGR BUS 112	95-1	ED	ITE	025	YES	33-48359	HBT	5	F	CS,HS H	
1R23*SHG-113	480V EMER SHGR BUS 113	95-1	ED	ITE	025	YES	33-48359	HBT	5	F	CS,HS H	
1R24*HCC1115	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS H	
1R24*HCC1116	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS H	
1R24*HCC1125	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS H	
1R24*HCC1126	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS H	
1R24*HCC1133	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS H	
1R24*HCC1134	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS H	
1R35*PHL-B1	EMER 120V PHL B1-REL R	124-2	ED	SYSTEM CONT	044	YES	15074	SAT	21	F	CS,HS H	
1R35*PHL-B3	EMER 120/240V PANEL	124-2	ED	SYSTEM CONT	020	YES	15074	SAT	21	F	CS,HS H	
1R35*PHL-R1	EMER 120V PHL R1-REL R	124-2	ED	SYSTEM CONT	044	YES	15074	SAT	21	F	CS,HS H	
1R35*PHL-R3	EMER 120/240V PANEL	124-2	ED	SYSTEM CONT	020	YES	15074	SAT	21	F	CS,HS H	
1R35*PHL-01	EMER 120V PHL 01-REL R	124-2	ED	SYSTEM CONT	044	YES	15074	SAT	21	F	CS,HS H	
1R35*PHL-02	EMER 120/240V PANEL	124-2	ED	SYSTEM CONT	020	YES	15074	SAT	21	F	CS,HS H	
1R35*T-B1	XHFR-EMER 120V PHL B1	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS H	
1R35*T-B3	XHFR-EMER 120V PHL B3	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS H	
1R35*T-R1	XHFR-EMER 120V PHL R1	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS H	
1R35*T-R3	XHFR-EMER 120V PHL R3	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS H	

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RUN TIME 16.13.44
PAGE 7

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	ELDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ INTG	TYPE	SAFE SHDN	QUAL STATUS
1R35-T-01	XFR-EHER 120V PHL 01	240-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	H
1R35-T-02	XFR-EHER 120V PHL 02	240-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	H
1R35-T-201	XFR-HTR SPACE HTR-BUS	240-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	H
1R35-T-202	XFR-HTR SPACE HTR-BUS	240-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	H
1R35-T-203	XFR-HTR SPACE HTR-BUS	240-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	H
1R41-E/5050	POWER SUPPLY	421	CD	BAILEY-METER	063	YES	QR-3201-7000PS	HBT	30+ F4	CS		H
1R42-DA-A1	125VOLT BATTERY	116	ED	GOULD INC	025	YES	42795	HBT	40+ F	CS,HS	H	
1R42-DA-B1	125VOLT BATTERY	116	ED	GOULD INC	025	YES	42795	HBT	40+ F	CS,HS	H	
1R42-DA-C1	125VOLT BATTERY	116	ED	GOULD INC	025	YES	42795	HBT	40+ F	CS,HS	H	
1R42-DC-A1	125VOLT BATTERY CHARGE	110	ED	SOLIDSTATE	025	YES	3/29/76	SAT	0	F	CS,HS	H
1R42-DC-B1	125VOLT BATTERY CHARGE	110	ED	SOLIDSTATE	025	YES	3/29/76	SAT	0	F	CS,HS	H
1R42-DC-C1	125VOLT BATTERY CHARGE	110	ED	SOLIDSTATE	025	YES	3/29/76	SAT	0	F	CS,HS	H
1R42-PHL-A1	125 VDC DIST PANEL BUS	124-2	ED	SYSTEM CONT	025	YES	15074	SAT	21	F	CS,HS	H
1R42-PHL-A2	125 VDC DIST PANEL BUS	124-2	ED	SYSTEM CONT	044	YES	15074	SAT	21	F	CS,HS	H
1R42-PHL-B1	125 VDC DIST PANEL BUS	124-2	ED	SYSTEM CONT	025	YES	15074	SAT	21	F	CS,HS	H
1R42-PHL-B2	125 VDC DIST PANEL BUS	124-2	ED	SYSTEM CONT	044	YES	15074*	SAT	21	F	CS,HS	H
1R42-PHL-C1	125 VDC DIST PANEL BUS	124-2	ED	SYSTEM CONT	025	YES	15074	SAT	21	F	CS,HS	H
1R42-PHL-C4	125 VDC DST PHL-BLK-B5	124-2	ED	SYSTEM CONT	025	YES	15074	SAT	21	F	CS,HS	H
1R42-SIG-A1	125 VDC SIG BATTERY BU	95-2	ED	IIE	025	YES	33-51266	HBT	5	F	CS,HS	H
1R42-SIG-B1	125 VDC SIG BATTERY BU	95-2	ED	IIE	025	YES	33-51266	HBT	5	F	CS,HS	H

CS = COLD SHUT DOWN
DA = DYNAMIC ANALYSIS
F = FLOOR MOUNTED
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HBT=MULTI-FREQUENCY
BIAXIAL TESTING
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SINGLE AXIAL TESTING
P = PIPE MOUNTED
* TEST ARTICLE
QP = QUALIFIED BY
PIPING ANALYSIS
SA = STATIC ANALYSIS
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QUALIFICATION MILESTONES
REVISION 21
MAY 1984

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

SHOREHAM UNIT 1
JOB NUMBER 1160002
LILCO DOCKET 50-322

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STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (218 ITEMS)
IS-316

RUN DATE 05/29/84
RUN TIME 16.13.44
PAGE 8

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHDN	QUAL STATUS
1R42*SHG-C1	125 VDC SHG BATTERY BU	95-2	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	407-2	CD	MAGNETROL	022	YES	43235-1	SAT	17	F3	N	H
1R43*LS 007	FUEL OIL AUX DAY TK	407-2	CD	MAGNETROL	022	YES	43235-1	SAT	17	F3	N	H
1R43*TK-135	FUEL OIL DAY	114-4	PD	BUFFALO TANK	044	YES	NH(B)-134-IA	SA	27	F3	CS	H
1R81*T-012	HT TRACING TRANSFER	248-2	ED	MAGNETICS	027	YES	43424-1	HBT	9	F2	CS,HS	H
1T48*PHL-ACH	PC ATH CNTRL	125-9	CD	RELIAANCE	063	YES	99AX400600	SA/SAT	19	F	N	H
1T48*PHL-A2	HYD RECONDINER CONT CA	289-3	PD	ATONICS INT	063	YES	54591-4	HBT	6	F2	N	H
1T48*RK-25	HYDRO RECONB CONT CABI	344-2	ED	DELPHI IND	063	YES	1035-5	SA/SAT	29	F2	N	H
1T48*RK-26	HYDRO RECONB CONT CABI	344-2	ED	DELPHI IND	063	YES	1035-5	SA/SAT	29	F2	N	H
1X41*ACU-14	COMP, RELAY&EN SHOR RM	240	PD	BAHNSON CO	044	YES	A-47-75-01	SA	39	F2	CS,HS	H
1X41*DMPF	FIRE DAMPERS	54	PD	AIR BALANCE	044	YES	AB1-SH-009	SAT	9+	F30	CS,HS	H
1X41*FN-029	RELAY&EMER SHGR RET FN	270-1	PD	BUFFALO FORGE	053	YES	745-11139	SA	26	F2	CS,HS	H
1X41*FN-039	CR CHILL EQUIP RM EXH	270-2	PD	BUFFALO FORGE	067	YES	745-11140A	SA	57	F2	CS,HS	H
1X41*FN-072	BATTERY RM VENTILATION	270-3	PD	BUFFALO FORGE	035	YES	745-11140C	SA	105	F3	CS,HS	H
1X41*FS 013	ACU-14 AIR FLOW	319-4	ED	POHNS REG	031	YES	43812-1	HBT	24	F2	CS,HS	H
1X41*FS 017	FN-29 AIR FLOW	319-4	ED	POHNS REG	044	YES	43812-1	HBT	24	F2	CS,HS	H
1X41*HE 021	ACU-14 COOLING CNTRL	319-4	ED	POHNS REG	044	YES	43812-1	HBT	24	F2	CS,HS	H

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REVISION 21 MAY 1984
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STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (218 ITEMS)
IS-316

RUN DATE 05/29/84
RUN TIME 16.13.44
PAGE 9

HARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	HTNG	SAFE SHDN	QUAL STATUS
1X41*HIT021	ACU-14 COOLING CNTRL	319-4	ED	POHRS REG	049	YES	43812-1	HBT	24	F2	CS,HS	H
1X41*HOD031	FN-039 OUTDOOR AIR	319-4	ED	POHRS REG	063	YES	43812-1	HBT	24	F2	CS,HS	H
1X41*HOD032	FN-039 EXHAUST AIR	319-4	ED	POHRS REG	064	YES	44540-1	HBT	27	F2	CS,HS	H
1X41*HOD035	ACU-14A DISCHARGE AIR	319-4	ED	POHRS REG	044	YES	43812-1	HBT	24	F2	CS,HS	
1X41*HOD036	ON FAN FN-29A& B	319-4	ED	POHRS REG	044	YES	43812-1	HBT	24	F2	CS,HS	H
1X41*HOD039	FN-72 OUTDOOR AIR	319-4	ED	POHRS REG	037	YES	44057-1	HBT	21	F3	CS,HS	H
1X41*HOD040	FN-72 EXHAUST AIR	319-4	ED	POHRS REG	041	YES	44057-1	HBT	21	F3	CS,HS	H
1X41*HOD041	FN-72 RETURN AIR	319-4	ED	POHRS REG	035	YES	44057-1	HBT	21	F3	CS,HS	H
1X41*HOD059	RELAY & CNTR RH TEMP	319-4	ED	POHRS REG	044	YES	44057-1	HBT	21	F2	CS,HS	H
1X41*PHLVC16	VENT CONTROL PANEL	319-3	ED	POHRS REG	025	YES	1001-6	SA/SAT	24	F	N	H
1X41*PHLVC17	VENT CONTROL PANEL	319-3	ED	POHRS REG	025	YES	1001-6	SA/SAT	24	F	N	H
1X41*PHLVC18	VENT CONTROL PANEL	319-3	ED	POHRS REG	025	YES	1001-6	SA/SAT	24	F	N	H
1X41*PHLVC19	VENT CONTROL PANEL	319-3	ED	POHRS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X41*PHLVC20	VENT CONTROL PANEL	319-3	ED	POHRS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X41*PHLVC21	VENT CONTROL PANEL	319-3	ED	POHRS REG	044	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X41*TCV021	ACU-14 COOLING COIL	310-2	CD	FISHER CONT.	053	YES	2-24451	SA	25	P2	CS	H
1X41*TE 010	FN-72 DAMPER CONTROL	319-4	ED	POHRS REG	030	YES	43812-1	HBT	24	F3	CS,HS	H
1X41*TE 021	ACU-14 COOLING CONT	406-1	CD	ROSEMOUNT	044	YES	2767	SAT	35+	F2	CS,HS	H
1X41*YIS031	FN-39 CONTROL	319-4	ED	POHRS REG	060	YES	43812-1	HBT	24	F2	CS,HS	H
1X41*TY-001	RH TEMP IND	319-4	ED	POHRS REG	025	YES	43812-1	HBT	24	F2	N	H

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REVISION 21 MAY 1984
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SHOREHAM UNIT 1
JOB NUMBER 1160002
LILCO DOCKET 50-322

CD LIST
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STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (218 ITEMS)
IS-316

RUN DATE 05/29/84
RUN TIME 16.13.44
PAGE 10

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ	HTNG	SAFE SHTDN	QUAL STATUS
1X41*TT-002	RH TEMP IND	319-4	ED	POWERS REG	025	YES	43812-1	HBT	24	F2	N	H
1X41*TT-003	RH TEMP IND	319-4	ED	POWERS REG	025	YES	43812-1	HBT	24	F2	N	H
1X41*TT-004	RH TEMP IND	319-4	ED	POWERS REG	044	YES	43812-1	HBT	24	F2	N	H
1X41*TT-005	RH TEMP IND	319-4	ED	POWERS REG	044	YES	43812-1	HBT	24	F2	N	H
1X41*TT-006	CHILLER EQUIP RH TEMP	319-4	ED	POWERS REG	068	YES	43812-1	HBT	24	F2	N	H
1X41*TT-007	BAT RH TEMP	319-4	ED	POWERS REG	039	YES	43812-1	HBT	24	F2	N	H
1X41*TT-009	COMPUTER RH TEMP	319-4	ED	POWERS REG	044	YES	43812-1	HBT	24	F2	N	H
1X60*FH-028	DIESEL GEN RH SUPPLY F	270-4	PD	BUFFALO FORGE	040	YES	745-11138	SA	20	F3	CS,HS	H
1X60*HOD031	FH-28 OUTDOOR AIR	319-4	ED	POWERS REG	038	YES	44057-1	HBT	21	F3	CS	H
1X60*HOD032	FH-39 HOT DAMPER	319-4	ED	POWERS REG	030	YES	44057-1	HBT	21	F3	CS	H
1X60*HOD033	FH-28 RETURN AIR	319-4	ED	POWERS REG	038	YES	44057-1	HBT	21	F3	CS	H
1X60*PHLVC13	VENT CONTROL PANEL	319-3	ED	POWERS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X60*PHLVC14	VENT CONTROL PANEL	319-3	ED	POWERS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X60*PHLVC15	VENT CONTROL PANEL	319-3	ED	POWERS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X61*ACU-07	CONTROL ROOM A/C UNITS	240	PD	BAINSON CO	063	YES	A-47-75-01	SA	39	F2	CS,HS	H
1X61*AO0037	CHTRL RH ISOL	319-4	ED	POWERS REG	063	YES	44540-1	HBT	27	F3	CS,HS	H
1X61*AOV036	CHTRL RH ISOL	111-1	PD	FISHER	063	YES	CD75-35	SA/SAT	17+	P2	CS	H
1X61*AOV038	CHTRL RH ISOL	111-1	PD	FISHER	073	YES	CD75-35	SA/SAT	21	P2	CS	H
1X61*AOV039	CHTRL RH ISOL	111-1	PD	FISHER	063	YES	CD75-35	SA/SAT	21	P2	CS	H
1X61*DIHPE	FIRE DAMPERS	54	PD	AIR BALANCE	063	YES	AB1-SH-009	SAT	9+	F8	CS,HS	H

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REVISION 21 MAY 1984

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SHOREHAM UNIT 1
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CB LIST
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ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BCP QUALIFICATION LEVEL (218 ITEMS)
IS-316

RUN DATE 05/29/04
RUN TIME 16.13.44
PAGE 11

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VEHICOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ HTNG	SAFE SHTDN	QUAL STATUS
1X61*FLT-02	CRAC FILTER TRAINS	105-1	PD	FARR CO	063	YES	D-56302	SA/SAT	17 F2	CS,HS	H
1X61*FH-025	CONTROL ROOM BOOSTER F	102-2	PD	BUFFALO FORGE	063	YES	745-4234A	SA	27 F2	CS,HS	H
1X61*FS 011	FH-25 CNTRL	319-4	ED	POHRS REG	063	YES	43812-1	HBT	24 F2	CS,HS	H
1X61*FS 012	ACU-7 AIR FLOW	319-4	ED	POHRS REG	063	YES	43812-1	HBT	24 F3	CS,HS	H
1X61*HS 038	1X61*AOV038 CONTROL	319-4	ED	POHRS REG	066	YES	43812-1	HBT	24 F2	CS,HS	H
1X61*HE-021	ACU-7 CNTRL	319-4	ED	POHRS REG	063	YES	43812-1	HBT	24 F2	CS,HS	H
1X61*HOD033	FH-25 DISCH AIR	319-4	ED	POHRS REG	063	YES	44540-1	HBT	27 F2	N	H
1X61*HOD034	ACU-7 DISCHARGE AIR	319-4	ED	POHRS REG	063	YES	43812-1	HBT	24 F2	CS,HS	H
1X61*HOV031	CNTRL RH ISOL	111-2	PD	FISHER	063	YES	CD75-35	SA/SAT	22+ P2	CS	H
1X61*HOV032	CNTRL RH ISOL	111-2	PD	FISHER	063	YES	CD75-35	SA/SAT	22+ P2	CS	H
1X61*TCV021	ACU-7A COOLING UNIT	310-2	CD	FISHER CONT.	071	YES	2-24451	SA	25 P2	CS	H
1X61*TE 021	ACU COOLING CONT	406-1	CD	ROSEHOUT	067	YES	2767	SAT	35+ F2	CS,HS	H
1Z93*THU502	TRIP/CALIB UNIT	406-5	CD	ROSEHOUT	063	YES	127531	SAT	57+ F4	CS	H
1Z95*ENC SX1	SXS ENCLOSURE	125-10	CD	RELIANCE	044	YES	99AX400827	SA	61 F	N	H
1Z95*ENC SX2	SXS ENCLOSURE	125-10	CD	RELIANCE	044	YES	99AX400827	SA	61 F	N	H
1Z95*ENC SX3	SXS ENCLOSURE	125-10	CD	RELIANCE	044	YES	99AX400827	SA	61 F	N	H
1Z97*PHLER1	MULTIPLEX CAB	125-11	CD	RELIANCE	044	YES	99AX401437	SA	14 F	N	H
1Z97*PHLER2	MULTIPLEX CAB	125-11	CD	RELIANCE	044	YES	99AX401437	SA	14 F	N	H

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STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)
IS-316

RUN DATE 05/29/84
RUN TIME 16.13.50
PAGE 1

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-6'S		OPERATOR SUPPLIER	6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER			YOKE	OPER
1B21*MOV031	3/1	SR-6060	88V-2	PC	2.4	.8	LIMITORQUE	SHB-00-10	H	H
1B21*MOV032	3/1	SR-6060	88V-2	SC	3.5	1.4	LIMITORQUE	SHB-000-5 *	H	H
1B21*MOV034	3	SR-6060	88V-2	SC	1.4	1.9	LIMITORQUE	SHB-00-7.5	H	H
1B21*MOV035A	20/1	20-1500GL09	88AD-11	SC	2.8	1.1	LIMITORQUE	SHB-1-40	H	H
1B21*MOV035B	20/1	20-1500GL09	88AD-11	SC	3.9	2.2	LIMITORQUE	SHB-1-40	H	H
1B21*MOV061	2/1	SR-6188	253-1	SC	2.0	1.1	LIMITORQUE	SHB-00-10	H	H
1B21*MOV062	2/1	SR-6188	253-1	SC	1.5	1.7	LIMITORQUE	SHB-00-10	H	H
1B21*MOV063	2/1	SR-6188	253-1	SC	2.1	1.3	LIMITORQUE	SHB-00-10	H	H
1B21*MOV064	2/1	SR-6188	253-1	SC	2.0	1.3	LIMITORQUE	SHB-00-10	H	H
1B21*MOV069A	2/1	SR-6188	253-1	SC	1.6	1.0	LIMITORQUE	SHB-000-5	H	H
1B21*MOV066B	2/1	SR-6188	253-1	SC	1.6	1.0	LIMITORQUE	SHB-000-5	H	H
1B21*MOV068C	2/1	SR-6188	253-1	SC	1.9	1.0	LIMITORQUE	SHB-000-5	H	H
1B21*MOV068D	2/1	SR-6188	253-1	SC	1.5	1.2	LIMITORQUE	SHB-000-5	H	H
1B21*MOV083	2/1	SR-6188	253-1	PC	3.0	2.8	LIMITORQUE	SHB-000-5	H	H
1B21*MOV084	2/1	SR-6188	253-1	PC	4.9	2.0	LIMITORQUE	SHB-000-5	H	H
1B21*MOV085	2/1	SR-6188	253-1	PC	4.3	1.9	LIMITORQUE	SHB-000-5	H	H
1B21*SOV313A	.75	HR5265683271	310979	SC	1.5	1.3	—	—	H	—
1B21*SOV313B	.75	HR5265683271	310979	SC	1.5	1.3	—	—	H	—
1B21*SOV314A	.75	HR5265683271	310979	SC	1.5	1.3	—	—	H	—

QUALIFICATION MILESTONES

NOTES

REVISION 21 MAY 1984

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SHOREHAM UNIT 1
JOB NUMBER 1160002
LILCO DOCKET 50-322

STONE & MEDSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)
IS-316

RUN DATE 05/29/04
RUM TIME 16.13.50
PAGE 2

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	6 OPER LOAD-G'S		7 OPERATOR	8 MODEL NO.	9 QUAL STATUS	
					HOR	VER			YOKE	OPER
1B21*SOV114B	.75	MR526563271	310979	SC	1.5	1.3	---	---	H	---
1B31*AOV001	.75	10.3.115	310-1	PC	6.9	3.0	COPIES	D-100-60	H	H
1B31*AOV002	.75	10.3.115	310-1	SC	1.5	1.3	COPIES	D-100-60	H	H
1C41*RV021A	1.5	502644	191	SC	2.2	2.1	---	---	H	---
1C41*RV021B	1.5	502644	191	SC	2.0	1.9	---	---	H	---
1D11*MOV032A	1	SR-6190	253-3	PC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1D11*MOV032B	1	SR-6190	253-3	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1D11*MOV033A	1	SR-6190	253-3	PC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1D11*MOV033B	1	SR-6190	253-3	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1E11*AOV001A	.75	10.3.115	310-5	SC	2.3	.7	COPIES	D-100-60	H	H
1E11*AOV001B	.75	10.3.115	310-5	SC	2.3	.7	COPIES	D-100-60	H	H
1E11*AOV002A	.75	10.3.115	310-5	SC	2.3	.7	COPIES	D-100-60	H	H
1E11*AOV002B	.75	10.3.115	310-5	SC	2.3	.7	COPIES	D-100-60	H	H
1E11*MOV031A	20	E5036-1.2	80AD-7	SC	6.0	1.1	LIMITORQUE	SHB-0-40	H	H
1E11*MOV031B	20	E5036-1.2	80AD-7	SC	4.6	.9	LIMITORQUE	SHB-0-40	H	H
1E11*MOV031C	20	E5036-1.2	80AD-7	SC	7.6	.5	LIMITORQUE	SHB-0-40	H	H
1E11*MOV031D	20	E5036-1.2	80AD-7	SC	4.4	.9	LIMITORQUE	SHB-0-40	H	H
1E11*MOV032A	20	E5036-1.2	80AD-7	SC	5.1	1.0	LIMITORQUE	SHB-0-40	H	H
1E11*MOV032B	20	E5036-1.2	80AD-7	SC	2.0	2.7	LIMITORQUE	SHB-0-40	H	H

REVISION 21 MAY 1984

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JOB NUMBER 1160002
LILCO DOCKET 50-322

STONE & WEBSTER ENGINEERING CORPORATION
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IS-316

RUN DATE 05/29/84
RUN TIME 16.13.50
PAGE 3

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 OPER LOC.	6 OPER LOAD-G'S		8 OPERATOR	9 MODEL NO.	10 QUAL STATUS	
					HOR	VER			YONE	OPER
1E11*NOV032C	20	E5836-1.2	88AD-7	SC	5.4	6.7	LIMITORQUE	SMB-0-40	H	H
1E11*NOV032D	20	E5836-1.2	88AD-7	SC	2.6	3.9	LIMITORQUE	SMB-0-40	H	H
1E11*NOV033A	16	SR-6266	88V-20	SC	2.9	1.4	LIMITORQUE	SMB-1-60	H	H
1E11*NOV033B	16	SR-6266	88V-20	SC	2.9	2.1	LIMITORQUE	SMB-1-60	H	H
1E11*NOV034A	18	18-300A	88AD-6	SC	2.0	1.7	LIMITORQUE	SMB-3-150	H	H
1E11*NOV034B	18	18-300A	88AD-6	SC	1.9	1.5	LIMITORQUE	SMB-3-150	H	H
1E11*NOV035A	16	SR-6266	88V-20	SC	2.4	1.6	LIMITORQUE	SMB-1-60	H	H
1E11*NOV035B	16	SR-6266	88V-20	SC	3.1	2.3	LIMITORQUE	SMB-1-60	H	H
1E11*NOV036A	24	E5836-19	88AD-10	SC	3.0	3.0	LIMITORQUE	SMB-4-200	H	H
1E11*NOV036B	24	E5836-19	88AD-10	SC	6.6	2.1	LIMITORQUE	SMB-4-200	H	H
1E11*NOV037A	24/1	2422900GT07	88AD-9	SC	5.5	6.6	LIMITORQUE	SB-4-200	H	H
1E11*NOV037B	24/1	2422900GT07	88AD-9	SC	4.2	4.4	LIMITORQUE	SB-4-200	H	H
1E11*NOV038A	10	E5836-20	88AD-2	SC	5.7	1.3	LIMITORQUE	SMB-2-60	H	H
1E11*NOV038B	10	E5836-20	88AD-2	SC	3.5	1.2	LIMITORQUE	SMB-2-60	H	H
1E11*NOV039A	10	SR-6082	88V-16	SC	6.8	2.3	LIMITORQUE	SMB-0-25	H	H
1E11*NOV039B	10	SR-6082	88V-16	SC	4.4	3.6	LIMITORQUE	SMB-0-25	H	H
1E11*NOV040A	16	SR-6266	88V-20	SC	9.7	7.9	LIMITORQUE	SMB-1-60	H	H
1E11*NOV040B	16	SR-6266	88V-20	SC	7.9	3.5	LIMITORQUE	SMB-1-60	H	H
1E11*NOV041A	6	SR-6177	88V-6	SC	2.0	1.4	LIMITORQUE	SMB-00-15	H	H

REVISION 21 MAY 1984

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LILCO DOCKET 50-322

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)
IS-316

RUN DATE 05/29/84
RUN TIME 16.13.50
PAGE 4

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	OPER LOAD-G'S		6 OPERATOR	7 MODEL NO.	8 QUAL STATUS	
					HOR	VER			Y/C/E	OPER
1E11*HOV041B	6	SR-6177	88V-6	SC	8.5	3.1	LIMITORQUE	SNB-00-15	H	H
1E11*HOV042A	16	ES936-4	88AD-5	SC	4.0	5.1	LIMITORQUE	SNB-3-80	H	H
1E11*HOV042B	16	ES936-4	88AD-5	SC	3.1	4.2	LIMITORQUE	SNB-3-80	H	H
1E11*HOV043A	4	SR-6180	88V-4	SC	1.1	.5	LIMITORQUE	SNB-00-15	H	H
1E11*HOV043B	4	SR-6180	88V-4	SC	1.4	.9	LIMITORQUE	SNB-00-15	H	H
1E11*HOV044A	4	SR-6190	88V-4	SC	1.2	.9	LIMITORQUE	SNB-00-15	H	H
1E11*HOV044B	4	SR-6180	88V-4	SC	1.4	1.3	LIMITORQUE	SNB-00-15	H	H
1E11*HOV045A	4	SR-6180	88V-4	SC	1.4	.4	LIMITORQUE	SNB-000-5	H	H
1E11*HOV045B	4	SR-6180	88V-4	SC	1.4	.6	LIMITORQUE	SNB-000-5	H	H
1E11*HOV047	20/1	20900-GT06	88AD-8	PC	6.0	3.2	LIMITORQUE	SB-2-60	H	H
1E11*HOV048	20/1	20900-GT06	88AD-8	SC	3.8	3.0	LIMITORQUE	SB-2-60 *	H	H
1E11*HOV049	10	SR-6260	88V-12	SC	2.5	2.0	LIMITORQUE	SNB-2-80	H	H
1E11*HOV050	20	SR-6425	88V-15	SC	8.6	3.9	LIMITORQUE	SNB-2-60	H	H
1E11*HOV051	4	SR-6180	88V-4	SC	1.1	1.0	LIMITORQUE	SNB-00-7 1/2 *	H	H
1E11*HOV052	4	SR-6180	88V-4	SC	1.6	1.2	LIMITORQUE	SNB-00-10	H	H
1E11*HOV053	4	SR-6066	88V-11	SC	4.8	2.9	LIMITORQUE	SNB-00-10 *	H	H
1E11*HOV054	4/1	SR-6066	88V-11	PC	4.6	1.5	LIMITORQUE	SNB-00-15	H	H
1E11*HOV055A	1	SR-6190	253-3	SC	2.3	.7	LIMITORQUE	SNB-000-2	H	H
1E11*HOV055B	1	SR-6190	253-3	SC	2.3	.7	LIMITORQUE	SNB-000-2	H	H

REVISION 21 MAY 1984

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JOB NUMBER 1160002
LILCO DOCKET 50-322

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STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)
IS-316

RUN DATE 05/29/84
RUN TIME 16.13.50
PAGE 5

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	OPER LOAD-G'S		6 OPERATOR	7 MODEL NO.	QUAL STATUS	
					HOR	VER			YOKE	OPER
1E11*H0V056A	1	SR-6190	253-3	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1E11*H0V056B	1	SR-6190	253-3	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1E11*H0V057A	1	SR-6190	253-3	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1E11*H0V057B	1	SR-6190	253-3	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1E11*PCV003A	10	10.3.115	318-2	SC	2.6	1.9	COPE	D-100-160	H	H
1E11*PCV003B	10	10.3.115	318-2	SC	1.1	.6	COPE	D-100-160	H	H
1E11*PCV007A	4	10.3.115	318-5	SC	1.0	.0	COPE	D-100-100	H	H
1E11*PCV007B	4	10.3.115	318-5	SC	1.1	.9	COPE	D-100-100	H	H
1E11*RV151A	1	502644	191	SC	1.5	1.3	---	---	H	---
1E11*RV151B	1	502644	191	SC	1.5	1.3	---	---	H	---
1E11*RV151C	1	502644	191	SC	1.5	1.3	---	---	H	---
1E11*RV151D	1	502644	191	SC	1.5	1.3	---	---	H	---
1E11*RV152A	4	502644	191	SC	4.0	2.3	---	---	H	---
1E11*RV152B	4	502644	191	SC	1.1	.9	---	---	H	---
1E11*RV153A	1	502644	191	SC	1.5	1.3	---	---	H	---
1E11*RV153B	1	502644	191	SC	1.5	1.3	---	---	H	---
1E11*RV154	1	502644	191	SC	1.5	1.3	---	---	H	---
1E11*RV155	2	502644	191	SC	1.5	1.3	---	---	H	---
1E11*RV162A	1	502644	191	SC	1.5	1.3	---	---	H	---

REVISION 21 MAY 1984

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IS-316

RUN DATE 05/29/84
RUN TIME 16.13.50
PAGE 6

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
1E11wPV162B	1	502644	191	SC	1.5	1.3	—		—	H	—
1E11wRV163	.75	502644	191	SC	1.5	1.3	—		—	H	—
1E11wRV164	.75	502644	191	SC	1.5	1.3	—		—	H	—
1E11wSOV166A	.75	HR5265603271	310979	SC	1.5	1.3	—		—	H	—
1E11wSOV166B	.75	HR5265603271	310979	SC	1.5	1.3	—		—	H	—
1E11wSOV167A	.75	HR5265603271	310979	SC	1.5	1.3	—		—	H	—
1E11wSOV167B	.75	HR5265603271	310979	SC	1.5	1.3	—		—	H	—
1E11wSOV168	.75	HR5265603271	310979	SC	1.5	1.3	—		—	H	—
1E11wSOV169	.75	HR5265603271	310979	SC	1.5	1.3	—		—	H	—
1E21wHOV031A	14	E5036-7	00AD-3	SC	2.4	2.0	LIMITORQUE		SHB-000-5	H	H
1E21wHOV031B	14	E5036-7	00AD-3	SC	2.0	.3	LIMITORQUE		SHB-000-5	H	H
1E21wHOV033A	10/1	SR-6259	00V-13	SC	6.9	1.2	LIMITORQUE		SHB-2-80	H	H
1E21wHOV033B	10/1	SR-6259	00V-13	SC	7.6	2.5	LIMITORQUE		SHB-2-80	H	H
1E21wHOV034A	3	SR-6183	00V-1	SC	1.4	.5	LIMITORQUE		SHB-000-5	H	H
1E21wHOV034B	3	SR-6183	00V-1	SC	3.4	1.4	LIMITORQUE		SHB-000-5	H	H
1E21wHOV035A	10	10-300GL	00AD-1	SC	1.0	2.9	LIMITORQUE		SHB-1-40	H	H
1E21wHOV035B	10	10-300GL	00AD-1	SC	1.0	2.9	LIMITORQUE		SHB-1-40	H	H
1E21wRV092A	.75	502644	191	SC	1.5	1.3	—		—	H	—
1E21wRV092B	.75	502644	191	SC	1.5	1.3	—		—	H	—

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PAGE 7

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			YOKE	OPER
1E21*RV093A	1.5	502644	191	SC	1.5	1.3	---	---	H	-
1E21*RV093B	1.5	502644	191	SC	1.5	1.3	---	---	H	-
1E21*RV096A	.75	502644	191	SC	1.5	1.3	---	---	H	-
1E21*RV096B	.75	502644	191	SC	1.5	1.3	---	---	H	-
1E32*HOV021A	1.5/1	SR-6706	253-4	SC	2.7	1.4	LIMITORQUE	SHC-04-5	H	H
1E32*HOV021B	1.5/1	SR-6706	253-4	SC	3.0	2.1	LIMITORQUE	SHC-04-5	H	H
1E32*HOV021C	1.5/1	SR-6706	253-4	SC	2.7	2.6	LIMITORQUE	SHC-04-5	H	H
1E32*HOV021D	1.5/1	SR-6706	253-4	SC	2.6	1.6	LIMITORQUE	SHC-04-5	H	H
1E32*HOV022A	1.5/2	SR-6706	253-4	SC	2.4	1.6	LIMITORQUE	SHC-04-3	H	H
1E32*HOV022B	1.5/2	SR-6706	253-4	SC	2.1	1.9	LIMITORQUE	SHC-04-3	H	H
1E32*HOV022C	1.5/2	SR-6706	253-4	SC	2.4	3.0	LIMITORQUE	SHC-04-3	H	H
1E32*HOV022D	1.5/2	SR-6706	253-4	SC	2.6	.5	LIMITORQUE	SHC-04-3	H	H
1E32*HOV023A	1.5/2	SR-6706	253-4	SC	2.3	.7	LIMITORQUE	SHC-04-3	H	H
1E32*HOV023B	1.5/2	SR-6706	253-4	SC	2.3	.7	LIMITORQUE	SHC-04-3	H	H
1E32*HOV023C	1.5/2	SR-6706	253-4	SC	2.3	.7	LIMITORQUE	SHC-04-3	H	H
1E32*HOV023D	1.5/2	SR-6706	253-4	SC	2.3	.7	LIMITORQUE	SHC-04-3	H	H
1E32*HOV024	2/2	SR-6108	253-1	SC	5.7	2.6	LIMITORQUE	SHB-000-5	H	H
1E32*HOV025	2/2	SR-6108	253-1	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1E32*HOV026	2/2	SR-6108	253-1	SC	6.0	2.8	LIMITORQUE	SHB-000-5	H	H

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SHOREHAM UNIT 1
JOB NUMBER 1160002
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)
IS-316

RUN DATE 05/29/84
RUN TIME 16.13.50
PAGE 8

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
1E32wMOV027	2/2	SR-6188	253-1	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1E41wAOV081	1	10.3.115	318-5	SC	2.3	.7	COPEs	D-100-60	H	H
1E41wAOV082	1	10.3.115	318-5	SC	2.3	.7	COPEs	D-100-60	H	H
1E41wAOV083	1	10.3.115	318-5	SC	2.3	.7	COPEs	D-100-60	H	H
1E41wLCV-091	1	10.3.115	318-5	SC	2.3	.7	COPEs	D-100-60	H	H
1E41wLCV095	1	10.3.115	318-5	SC	2.3	.7	COPEs	D-100-60	H	H
1E41wMOV031	16	SR-6266	88V-20	SC	7.8	2.1	LIMITORQUE	SHB-0-25 *	H	H
1E41wMOV032	16	SR-6266	88V-20	SC	7.5	1.3	LIMITORQUE	SHB-0-25 *	H	H
1E41wMOV034	14	SR-6267	88V-18	SC	6.6	1.6	LIMITORQUE	SHB-2-60 *	H	H
1E41wMOV035	14/1	14900-GT05	88AD-4	SC	5.5	2.4	LIMITORQUE	SHB-3-100 *	H	H
1E41wMOV036	4	SR-6068	88V-11	SC	2.4	1.1	LIMITORQUE	SHB-00-10 *	H	H
1E41wMOV037	8	SR-6349	88V-22	SC	1.8	.8	LIMITORQUE	SHB-1-25 *	H	H
1E41wMOV038	10	SR-6262	88V-14	SC	2.6	1.2	LIMITORQUE	SHB-1-40 *	H	H
1E41wMOV039	2/2	SR-6188	253-1	SC	2.3	.7	LIMITORQUE	SHB-00-5 *	H	H
1E41wMOV041	10/1	SR-6259	88V-13	PC	1.7	2.0	LIMITORQUE	SHB-3-80	H	H
1E41wMOV042	10/1	SR-6264	88V-17	SC	2.6	.9	LIMITORQUE	SHB-1-60 *	H	H
1E41wMOV043	10	SR-6262	88V-14	SC	1.5	.5	LIMITORQUE	SHB-1-60 *	H	H
1E41wMOV044	10	SR-6270	88V-21	SC	4.4	4.5	LIMITORQUE	SHB-0-15 *	H	H
1E41wMOV047	1/1	SR-6190	253-3	PC	2.3	2.5	LIMITORQUE	SHB-000-2	H	H

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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
1E41*MOV048	1/1	SR-6190	253-3	SC	1.4	2.7	LIMITORQUE		SHB-000-2*	H	H
1E41*MOV049	2/2	SR-6188	253-1	SC	3.9	1.4	LIMITORQUE		SHB-000-2*	H	H
1E41*PCV142	2/2	2-24451	310-2	SC	2.3	.7	BECK		1/4-101-ES	H	H
1E41*RV145	.75	502644	191	SC	1.5	1.3	---		---	H	-
1E41*RV146	1.5	502644	191	SC	1.5	1.3	---		---	H	-
1E41*RV147	1.25	502644	191	SC	1.5	1.3	---		---	H	-
1E41*RV149	.75	502644	191	SC	1.5	1.3	---		---	H	-
1E51*AOV001	1	10.3.115	318-5	SC	2.3	.7	COPEX		D-100-60	H	H
1E51*AOV002	1	10.3.115	318-5	SC	2.3	.7	COPEX		D-100-60	H	H
1E51*AOV003	1	10.3.115	318-5	SC	2.3	.7	COPEX		D-100-60	H	H
1E51*LCV091	1	10.3.115	318-5	SC	2.3	.7	COPEX		D-100-60	H	H
1E51*LCV095	1	10.3.115	318-5	SC	2.3	.7	COPEX		D-100-60	H	H
1E51*MOV031	6	SR-6177	80V-6	SC	6.2	1.7	LIMITORQUE		SHB-00-5 *	H	H
1E51*MOV032	6	SR-6177	80V-6	SC	6.5	.6	LIMITORQUE		SHB-00-5 *	H	H
1E51*MOV034	4	SR-6068	80V-11	SC	1.2	1.7	LIMITORQUE		SHB-00-10 *	H	H
1E51*MOV035	6/1	SR-6574	80V-5	SC	2.5	4.7	LIMITORQUE		SHB-00-25 *	H	H
1E51*MOV036	2/2	SR-6188	253-1	SC	.9	.7	LIMITORQUE		SHB-000-5 *	H	H
1E51*MOV037	4	SR-6068	80V-11	SC	1.2	.7	LIMITORQUE		SHB-00-10 *	H	H
1E51*MOV038	2/2	SR-6188	253-1	SC	1.3	.5	LIMITORQUE		SHB-000-5 *	H	H

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					HOR	VER			YONE	OPER
1E51*HOV041	3/1	SR-6060	88V-2	PC	2.0	2.7	LIMITORQUE	SHB-00-10	H	H
1E51*HOV042	3/1	SR-6060	88V-2	SC	1.6	1.5	LIMITORQUE	SHB-00-7 1/2 *	H	H
1E51*HOV043	3	SR-6060	88V-2	SC	.7	.3	LIMITORQUE	SHB-00-7 1/2 *	H	H
1E51*HOV045	8	SR-6070	88V-10	SC	4.5	7.1	LIMITORQUE	SHB-000-5 *	H	H
1E51*HOV046	2/2	SR-6188	253-1	SC	2.3	.7	LIMITORQUE	SHB-000-2 *	H	H
1E51*HOV047	1/1	SR-6777	253-3	PC	1.4	7.5	LIMITORQUE	SHB-000-2	H	H
1E51*HOV048	1/1	SR-6190	253-3	SC	1.1	1.9	LIMITORQUE	SHB-000-2 *	H	H
1E51*HOV049	1.5/2	SR-6189	253-2	SC	2.6	.8	LIMITORQUE	SHB-000-2 *	H	H
1E51*PCV142	2/2	2-24451	310-2	SC	1.8	.6	DECK	14-101-DBQ	H	H
1E51*RV 145	.75	502644	191	SC	1.5	1.3	—	—	H	—
1E51*RV 146	.75	502644	191	SC	2.6	1.6	—	—	H	—
1E51*RV 147	1.25	502644	191	SC	1.5	1.3	—	—	H	—
1E51*RV 149	.75	502644	191	SC	1.5	1.3	—	—	H	—
1G11*HOV246	4	SR-6188	88V-4	SC	4.3	2.7	LIMITORQUE	SHB-000-5	H	H
1G11*HOV247	4	SR-6188	88V-4	SC	3.6	5.9	LIMITORQUE	SHB-000-5	H	H
1G11*HOV248	3	SR-6183	88V-1	SC	1.7	1.3	LIMITORQUE	SHB-000-5	H	H
1G11*HOV249	3	SR-6183	88V-1	SC	2.5	1.1	LIMITORQUE	SHB-000-5	H	H
1G11*HOV339	3	SR-6477	88V-24	SC	.9	.5	LIMITORQUE	SHB-000-5	H	H
1G33*HOV030A	4/1	SR-6060	88V-11	PC	3.6	2.4	LIMITORQUE	SHB-00-15	H	H

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					HOR	VER	SUPPLIER			YOKE	OPER.
1G33*NOV030B	4/1	SR-6068	88V-11	PC	7.4	3.3	LIMITORQUE		SHB-00-15	H	H
1G33*NOV031	6/1	SR-6181	88V-8	PC	5.5	2.5	LIMITORQUE		SHB-0-40	H	H
1G33*NOV032	4/1	SR-6068	88V-11	PC	6.5	1.4	LIMITORQUE		SHB-00-10	H	H
1G33*NOV033	6/1	SR-6181	88V-8	PC	8.0	.4	LIMITORQUE		SHB-00-25	H	H
1G33*NOV034	6/1	SR-6181	88V-8	SC	4.6	2.4	LIMITORQUE		SHB-00-15 *	H	H
1G33*NOV035	4	SR-6353	88V-23	SC	1.3	.8	LIMITORQUE		SHB-0-15	H	H
1G33*NOV036	4	SR-6353	88V-23	SC	.9	.5	LIMITORQUE		SHB-0-15	H	H
1G33*NOV037	4	SR-6353	88V-23	SC	.7	.8	LIMITORQUE		SHB-0-15	H	H
1G33*NOV038	4	SR-6068	88V-11	SC	.7	.7	LIMITORQUE		SHB-00-15	H	H
1G33*NOV039	4	SR-6068	88V-11	SC	.6	.6	LIMITORQUE		SHB-00-15	H	H
1G33*NOV040	4	SR-6353	88V-23	SC	1.6	1.0	LIMITORQUE		SHB-0-15	H	H
1G33*NOV041	6/1	SR-6574	88V-3	SC	5.1	3.9	LIMITORQUE		SHB-1-25	H	H
1G33*RV093	.75	502644	191	SC	1.5	1.3	—		—	H	—
1G33*RV095A	.75	502644	191	SC	1.5	1.3	—		—	H	—
1G33*RV095B	.75	502644	191	SC	1.5	1.3	—		—	H	—
1G41*NOV032A	6	1891-1	203	SC	1.3	1.5	LIMITORQUE		SHB-00-10	H	H
1G41*NOV032B	6	1891-1	203	SC	1.1	1.0	LIMITORQUE		SHB-00-10	H	H
1G41*NOV033A	6	SR-6177	88V-6	SC	1.1	1.0	LIMITORQUE		SHB-000-5	H	H
1G41*NOV033B	6	SR-6177	88V-6	SC	1.2	.8	LIMITORQUE		SHB-000-5	H	H

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					HOR	VER			YOKE	OPER
1G41*HOV034A	10	SR-6082	88V-16	SC	4.9	1.1	LIMITORQUE	SMB-0-7 1/2	H	H
1G41*HOV034B	10	SR-6082	88V-16	SC	1.8	.5	LIMITORQUE	SMB-0-7 1/2	H	H
1G41*RV019A	1	502644	191	SC	1.5	1.3	—	—	H	—
1G41*RV019B	1	502644	191	SC	1.5	1.3	—	—	H	—
1G41*RV024	1	502644	191	SC	1.5	1.3	—	—	H	—
1G41*RV025	1	502644	191	SC	1.5	1.3	—	—	H	—
1P41*HOV033A	20	D-0034-8	197-1	SC	.7	.6	LIMITORQUE	H2BC/SMB0010	H	H
1P41*HOV033B	20	D-0034-8	197-1	SC	.9	.7	LIMITORQUE	H2BC/SMB0010	H	H
1P41*HOV033C	20	D-0034-5	197-1	SC	.8	.4	LIMITORQUE	H2BC/SMB0005	H	H
1P41*HOV033D	20	D-0034-5	197-1	SC	1.1	.7	LIMITORQUE	H2BC/SMB0005	H	H
1P41*HOV034A	20	D-0034-8	197-1	SC	.8	.7	LIMITORQUE	H2EC/SMB010	H	H
1P41*HOV034B	20	D-0034-8	197-1	SC	.1	.1	LIMITORQUE	H2EC/SMB010	H	H
1P41*HOV037A	16	D-0034-2	197-2	SC	.5	.6	LIMITORQUE	H2EC/SMB005	H	H
1P41*HOV037B	16	D-0034-2	197-2	SC	1.0	.7	LIMITORQUE	H2BC/SMB005	H	H
1P41*HOV039A	1/3	1891-1	203	SC	2.3	.7	LIMITORQUE	SMB-000-2	H	H
1P41*HOV039B	1/3	1891-1	203	SC	2.3	.7	LIMITORQUE	SMB-000-2	H	H
1P41*HOV042A	6	D-0034-9	197-3	SC	1.1	1.8	LIMITORQUE	H0BC/SMB002	H	H
1P41*HOV042B	6	D-0034-9	197-3	SC	1.0	1.0	LIMITORQUE	H0BC/SMB002	H	H
1P41*HOV013	1/3	1891-1	203	SC	2.3	.7	LIMITORQUE	SMB-000-2	H	H

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					HOR	VER	SUPPLIER			YONE	OPER
1P41*MOV102A	1/3	1891-1	203	SC	2.3	.7	LIMITORQUE		SHB-000-2	H	H
1P41*MOV102B	1/3	1891-1	203	SC	2.3	.7	LIMITORQUE		SHB-000-2	H	H
1P41*MOV129A	10	15430	281	SC	1.0	1.3	LIMITORQUE		H1BC/SHB0002	H	H
1P41*MOV129B	10	15430	281	SC	1.3	1.5	LIMITORQUE		H1BC/SHB0002	H	H
1P41*RV024A	1	502644	191	SC	1.5	1.3	—		—	H	—
1P41*RV024B	1	502644	191	SC	1.5	1.3	—		—	H	—
1P41*RV110A	.75	502644	191	SC	1.5	1.3	—		—	H	—
1P41*RV110B	.75	502644	191	SC	1.5	1.3	—		—	H	—
1P41*RV119	.75	502644	191	SC	1.5	1.3	—		—	H	—
1P41*RV130A	.75	502644	191	SC	1.5	1.3	—		—	H	—
1P41*RV130B	.75	502644	191	SC	1.5	1.3	—		—	H	—
1P42*MOV031A	8	SR-6185	88V-9	SC	1.2	.3	LIMITORQUE		SHB-000-5	H	H
1P42*MOV031B	8	SR-6186	88V-9	SC	1.3	.4	LIMITORQUE		SHB-000-5	H	H
1P42*MOV032A	8	SR-6186	88V-9	SC	1.1	1.5	LIMITORQUE		SHB-000-5	H	H
1P42*MOV032B	8	SR-6186	88V-9	SC	1.0	1.2	LIMITORQUE		SHB-000-5	H	H
1P42*MOV033A	6	SR-6199	88V-7	SC	.6	1.0	LIMITORQUE		SHB-000-5	H	H
1P42*MOV033B	6	SR-6199	88V-7	SC	.7	.9	LIMITORQUE		SHB-000-5	H	H
1P42*MOV034A	6	SR-6199	88V-7	SC	1.1	1.3	LIMITORQUE		SHB-000-5	H	H
1P42*MOV034B	6	SR-6199	88V-7	SC	1.3	1.0	LIMITORQUE		SHB-000-5	H	H

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					HOR	VER			YOKE	OPER
1P42*HOV035	4	SR-6180	88V-4	SC	4.6	3.8	LIMITORQUE	SHB-000-5	H	H
1P42*HOV036	4	SR-6180	88V-4	SC	4.6	2.3	LIMITORQUE	SHB-000-5	H	H
1P42*HOV041A	14	SR-6265	88V-19	SC	3.3	2.3	LIMITORQUE	SHB-0-25	H	H
1P42*HOV041B	14	SR-6265	88V-19	SC	2.4	2.7	LIMITORQUE	SHB-0-25	H	H
1P42*HOV042A	14	SR-6265	88V-19	SC	2.0	2.2	LIMITORQUE	SHB-0-25	H	H
1P42*HOV042B	14	SR-6265	88V-19	SC	2.5	1.9	LIMITORQUE	SHB-0-25	H	H
1P42*HOV043A	8	SR-6186	88V-9	SC	.8	.4	LIMITORQUE	SHB-000-5	H	H
1P42*HOV043B	8	SR-6186	88V-9	SC	2.6	.5	LIMITORQUE	SHB-000-5	H	H
1P42*HOV044A	8	SR-6186	88V-9	SC	1.0	.5	LIMITORQUE	SHB-000-5	H	H
1P42*HOV044B	8	SR-6186	88V-9	SC	2.1	1.0	LIMITORQUE	SHB-000-5	H	H
1P42*HOV047	4	SR-6180	88V-4	SC	3.7	4.2	LIMITORQUE	SHB-000-5	H	H
1P42*HOV048	4	SR-6180	88V-4	SC	4.0	3.1	LIMITORQUE	SHB-000-5	H	H
1P42*HOV147	4	SR-6180	88V-4	PC	4.9	4.5	LIMITORQUE	SHB-000-5	H	H
1P42*HOV148	4	SR-6180	88V-4	PC	4.2	1.0	LIMITORQUE	SHB-000-5	H	H
1P42*HOV231	4	SR-6180	88V-4	SC	1.2	.9	LIMITORQUE	SHB-000-5	H	H
1P42*HOV232	3	SR-6183	88V-1	SC	5.2	9.9	LIMITORQUE	SHB-000-5	H	H
1P42*HOV233	3	SR-6183	88V-1	SC	5.9	7.4	LIMITORQUE	SHB-000-5	H	H
1P42*HOV234	3	SR-6183	88V-1	SC	5.6	8.9	LIMITORQUE	SHB-000-5	H	H
1P42*HOV235	3	SR-6183	88V-1	SC	5.9	7.7	LIMITORQUE	SHB-000-5	H	H

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SHOREHAM UNIT 1
JOB NUMBER 1160002
LILCO DOCKET 50-322

REPH LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
EOP QUALIFICATION LEVEL (393 ITEMS)
IS-316

RUN DATE 05/29/84
RUN TIME 16.13.50
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*MOV236	4	SR-6180	66V-4	SC	6.0	3.3	LIMITORQUE		SHB-000-5	H	H
1P42*MOV237	3	SR-6183	80V-1	SC	4.3	2.2	LIMITORQUE		SHB-000-5	H	H
1P42*MOV238	3	SR-6183	80V-1	SC	5.8	2.0	LIMITORQUE		SHB-000-5	H	H
1P42*MOV239	3	SR-6183	80V-1	SC	8.7	4.9	LIMITORQUE		SHB-000-5	H	H
1P42*MOV240	3	SR-6183	80V-1	SC	1.6	1.6	LIMITORQUE		SHB-000-5	H	H
1P42*PCV071	6	10.3.115	310-5	SC	1.0	.6	COPEX		D-100-60	H	H
1P42*RV079A	1	502644	191	SC	1.5	1.3	—		—	H	—
1P42*RV079B	1	502644	191	SC	1.5	1.3	—		—	H	—
1P42*RV080A	1	502644	191	SC	1.5	1.3	—		—	H	—
1P42*RV080B	1	502644	191	SC	1.5	1.3	—		—	H	—
1P42*RV080C	1	502644	191	SC	1.5	1.3	—		—	H	—
1P42*RV080D	1	502644	191	SC	1.5	1.3	—		—	H	—
1P42*RV091A	1	502644	191	PC	6.9	3.0	—		—	H	—
1P42*RV091B	1	502644	191	PC	6.9	3.0	—		—	H	—
1P42*RV291A	.75	502644	191	PC	6.9	3.0	—		—	H	—
1P42*RV291B	.75	502644	191	PC	6.9	3.0	—		—	H	—
1P42*TCV001H	12	CD76-82	423-2	SC	1.1	1.1	FISHER		656-60	H	H
1P42*TCV001X	10	CD76-82	423-3	SC	.9	2.3	FISHER		656-60	H	H
1P42*TCV001Y	12	CD76-82	423-2	SC	1.9	.4	FISHER		656-60	H	H

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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
1P42wTCV001Z	10	CD76-82	423-3	SC	2.0	2.1	FISHER	656-60	H	H
1P50wHOV103A	1.5/2	SR-6189	214-1	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50wHOV103B	1.5/2	SR-6189	214-1	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50wHOV104	1	SR-6190	214-3	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1P50wHOV105A	1.5/2	SR-6189	214-1	PC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50wHOV105B	1.5/2	SR-6189	214-1	PC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50wHOV106	1	SR-6190	214-3	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1P50wHOV113A	1	SR-6189	214-1	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50wHOV113B	1	SR-6189	214-1	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50wHOV114A	1	SR-6189	214-1	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50wHOV114B	1	SR-6189	214-1	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1T23wHOV031A	.5	SR-6341	214-2	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1T23wHOV031B	.5	SR-6341	214-2	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1T23wRV021A	.75	502644	191	SC	1.5	1.3	—	—	H	—
1T23wRV021B	.75	502644	191	SC	1.5	1.3	—	—	H	—
1T24wAOV001A	4	10.3.151	318-7	SC	6.0	3.6	COPES	D-100-100	H	H
1T24wAOV001B	4	10.3.151	318-7	SC	2.9	3.7	COPES	D-100-100	H	H
1T24wAOV004A	4	10.3.151	318-7	SC	1.0	1.1	COPES	D-100-100	H	H
1T24wAOV004B	4	10.3.151	318-7	SC	3.0	2.0	COPES	D-100-100	H	H

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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			YOKE	OPER
1T46*AOV035A	72	R-1062-41	111-3	SC	2.7	.6	BETTIS	T-316 SR2-M3	H	H
1T46*AOV035B	72	R-1062-41	111-3	SC	5.2	.6	BETTIS	T-316 SR2-M3	H	H
1T46*AOV037A	72	CD75-35	111-3	SC	1.0	.7	BETTIS	T-316 SR2-M3	H	H
1T46*AOV037B	72	CD75-35	111-3	SC	.8	.4	BETTIS	T-316 SR2-M3	H	H
1T46*AOV038A	18	4G403	172	PC	1.9	1.5	BETTIS	722C-SR-M3	H	H
1T46*AOV038B	18	4G403	172	SC	1.3	1.3	BETTIS	722C-SR-M3	H	H
1T46*AOV038C	18	4G403	172	SC	1.9	1.5	BETTIS	722C-SR-M3	H	H
1T46*AOV038D	18	4G403	172	SC	1.3	1.3	BETTIS	722C-SR-M3	H	H
1T46*AOV039A	18	4G403	172	PC	1.9	1.5	BETTIS	722C-SR-M3	H	H
1T46*AOV039B	18	4G403	172	SC	1.3	1.3	BETTIS	722C-SR-M3	H	H
1T46*AOV039C	18	4G403	172	SC	4.0	1.6	BETTIS	722C-SR-M3	H	H
1T46*AOV039D	18	4G403	172	SC	2.7	1.4	BETTIS	722C-SR-M3	H	H
1T46*AOV078A	6	10.3.145	318-3	PC	2.5	1.5	COPEL	D-100-100	H	H
1T46*AOV078B	6	10.3.145	318-3	SC	1.3	.4	COPEL	D-100-100	H	H
1T46*AOV079A	6	10.3.151	318-4	SC	2.9	1.3	COPEL	D-100-100	H	H
1T46*AOV079B	6	10.3.151	318-4	SC	3.8	1.5	COPEL	D-100-100	H	H
1T46*TCV-022A	4	2-24451	310-2	SC	.5	.3	BECK	14-101-ES	H	H
1T46*TCV-022B	4	2-24451	310-2	SC	.9	1.0	BECK	14-101-ES	H	H
1T46*TCV-023A	4	2-24451	310-2	SC	1.2	.2	BECK	14-101-ES	H	H

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					HOR	VER			YOKE	OPER
1T46*TCV-023B	4	2-24451	310-2	SC	1.3	.8	BECK	14-101-ES	H	H
1T46*TCV-024A	4	2-24451	310-2	SC	.9	.6	BECK	14-101-ES	H	H
1T46*TCV-024B	4	2-24451	310-2	SC	1.0	.6	BECK	14-101-ES	H	H
1T46*TCV-025A	4	2-24451	310-2	SC	1.2	.7	BECK	14-101-ES	H	H
1T46*TCV-025B	4	2-24451	310-2	SC	.4	.5	BECK	14-101-ES	H	H
1T46*TCV-026A	4	2-24451	310-2	SC	1.1	.6	BECK	14-101-ES	H	H
1T46*TCV-026B	4	2-24451	310-2	SC	1.0	.6	BECK	14-101-ES	H	H
1T46*TCV-026A	2/3	2-24451	310-2	SC	2.3	.7	BECK	14-101-ES	H	H
1T46*TCV-028B	2/3	2-24451	310-2	SC	2.3	.7	BECK	14-101-ES	H	H
1T46*TCV059A	2/3	2-24451A	310-1	SC	1.0	.1	BECK	14-101-ES	H	H
1T46*TCV059B	2/3	2-24451A	310-1	SC	2.3	.7	BECK	14-101-ES	H	H
1T46*TCV060A	2/3	2-24451A	310-1	SC	.7	.7	BECK	14-101-ES	H	H
1T46*TCV060B	2/3	2-24451A	310-1	SC	2.3	.7	BECK	14-101-ES	H	H
1T47*RV037	.75	502644	191	PC	6.9	3.0	—	—	H	—
1T47*RV038	.75	502644	191	PC	6.9	3.0	—	—	H	—
1T48*HOV004	1	SR-6190	253-3	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1T48*HOV031A	6	SR-6177	88V-6	PC	2.9	1.3	LIMITORQUE	SHB-00-5	H	H
1T48*HOV031B	6	SR-6177	88V-6	PC	6.1	1.8	LIMITORQUE	SHB-00-5	H	H
1T48*HOV032A	6	SR-6177	88V-6	PC	6.5	1.8	LIMITORQUE	SHB-00-7 1/2	H	H

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					HCR	VER	SUPPLIER			YOKE	OPER
1T48*HOV032B	6	SR-6177	88V-6	PC	5.3	3.2	LIMITORQUE		SHB-00-7 1/2	H	H
1T48*HOV033A	6	SR-6177	88V-6	SC	4.2	1.5	LIMITORQUE		SHB-00-5	H	H
1T48*HOV033B	6	SR-6177	88V-6	SC	4.9	1.3	LIMITORQUE		SHB-00-5	H	H
1T48*HOV034A	6	SR-6177	88V-6	SC	5.0	1.5	LIMITORQUE		SHB-00-7 1/2	H	H
1T48*HOV034B	6	SR-6177	88V-6	SC	3.7	1.3	LIMITORQUE		SHB-00-7 1/2	H	H
1T48*HOV035A	4	SR-6180	88V-4	SC	4.2	2.0	LIMITORQUE		SHB-000-5	H	H
1T48*HOV035B	4	SR-6180	88V-4	SC	6.4	5.7	LIMITORQUE		SHB-000-5	H	H
1T48*HOV037A	6	SR-6177	88V-6	SC	5.7	4.1	LIMITORQUE		SHB-00-7 1/2	H	H
1T48*HOV037B	6	SR-6177	88V-6	SC	4.4	3.0	LIMITORQUE		SHB-00-7 1/2	H	H
1T48*HOV038A	4	SR-6180	88V-4	SC	4.1	2.0	LIMITORQUE		SHB-000-5	H	H
1T48*HOV038B	4	SR-6180	88V-4	SC	5.0	1.9	LIMITORQUE		SHB-000-5	H	H
1T48*HOV040A	6	SR-6177	88V-6	SC	3.9	1.3	LIMITORQUE		SHB-00-7 1/2	H	H
1T48*HOV040B	6	SR-6177	88V-6	SC	4.0	1.5	LIMITORQUE		SHB-00-7 1/2	H	H
1T48*HOV041	4	SR-6180	88V-4	SC	1.3	.7	LIMITORQUE		SHB-000-5	H	H
1T48*HOV042	4	SR-6180	88V-4	SC	1.0	1.3	LIMITORQUE		SHB-000-5	H	H
1T48*HOV043A	4	SR-6180	88V-4	SC	2.9	2.5	LIMITORQUE		SHB-000-5	H	H
1T48*HOV043B	4	SR-6180	88V-4	SC	5.9	2.0	LIMITORQUE		SHB-000-5	H	H
1T48*HOV044A	4	SR-6180	88V-4	SC	6.0	1.9	LIMITORQUE		SHB-000-5	H	H
1T48*HOV044B	4	SR-6180	88V-4	SC	4.9	1.0	LIMITORQUE		SHB-000-5	H	H

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					HOR	VER	SUPPLIER			YOKE	OPER
1T40*PCV143A	.25	QTR-745	492	SC	1.5	1.3	—		—	H	—
1T40*PCV143B	.25	QTR-745	492	SC	1.5	1.3	—		—	H	—
1T40*PCV143C	.25	QTR-745	492	SC	1.5	1.3	—		—	H	—
1T40*PCV143D	.25	QTR-745	492	SC	1.5	1.3	—		—	H	—
1T40*PCV144A	.25	QTR-745	492	SC	1.5	1.3	—		—	H	—
1T40*PCV144B	.25	QTR-745	492	SC	1.5	1.3	—		—	H	—
1T40*PCV145A	.25	QTR-745	492	SC	1.5	1.3	—		—	H	—
1T40*PCV145B	.25	QTR-745	492	SC	1.5	1.3	—		—	H	—
1T40*PCV145C	.25	QTR-745	492	SC	1.5	1.3	—		—	H	—
1T40*PCV145D	.25	QTR-745	492	SC	1.5	1.3	—		—	H	—
1T40*PCV146A	.25	QTR-745	492	SC	1.5	1.3	—		—	H	—
1T40*PCV146B	.25	QTR-745	492	SC	1.5	1.3	—		—	H	—
1T40*RV017A	3	502644	191	SC	1.9	.7	—		—	H	—
1T40*RV017B	3	502644	191	SC	3.7	3.1	—		—	H	—
1T40*SOV126A	.75	HR5265683271	310979	SC	1.5	1.3	—		—	H	—
1T40*SOV126B	.75	HR5265683271	310979	SC	1.5	1.3	—		—	H	—
1T40*SOV127A	.75	HR5265683271	310979	SC	1.5	1.3	—		—	H	—
1T40*SOV127B	.75	HR5265683271	310979	SC	1.5	1.3	—		—	H	—
1T40*SOV128A	.75	HR5265683271	310979	SC	1.5	1.3	—		—	H	—

QUALIFICATION MILESTONES

NOTES

REVISION 21 MAY 1984

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- * = DC MOTOR. ALL OTHERS ARE AC
- CL 1 VALVES < OR = 1 IN. ARE FLOOR-MOUNTED (ENTP-9.5)
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SHOREHAM UNIT 1
JOB NUMBER 1160002
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)
IS-316

RUN DATE 05/29/84
RUN TIME 16.13.50
PAGE 21

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
1T48*SOV128B	.75	HR5265683271	310979	SC	1.5	1.3	---		---	H	-
1T48*SOV129A	.75	HR5265683271	310979	SC	1.5	1.3	---		---	H	-
1T48*SOV129B	.75	HR5265683271	310979	SC	1.5	1.3	---		---	H	-
1T48*SOV130	.75	HR5265683271	310979	SC	1.5	1.3	---		---	H	-
1T48*SOV131	.75	HR5265683271	310979	SC	1.5	1.3	---		---	H	-
1T48*SOV136A	.75	HR5265683271	310979	SC	1.5	1.3	---		---	H	-
1T48*SOV136B	.75	HR5265683271	310979	SC	1.5	1.3	---		---	H	-
1T48*SOV137A	.75	HR5265683271	310979	SC	1.5	1.3	---		---	H	-
1T48*SOV137B	.75	HR5265683271	310979	SC	1.5	1.3	---		---	H	-
1Z93*FCV011A	.25	17759-8374	493	SC	1.5	1.3	---		---	H	-
1Z93*FCV011B	.25	17759-8374	493	SC	1.5	1.3	---		---	H	-
1Z93*PCV010A	.25	QTR-745	492	SC	1.5	1.3	---		---	H	-
1Z93*PCV010B	.25	QTR-745	492	SC	1.5	1.3	---		---	H	-

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NSSS LIST
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STONE & WEBSTER ENGINEERING CORPORATION
NSSS CATEGORY I EQUIPMENT
NSSS QUALIFICATION LEVEL (150 ITEMS)
IS-316

RUN DATE 05/29/84
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PAGE 1

MARK NUMBER	EQUIPMENT DESCRIPTION	NSSS 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*PD502A1	DAMPENER	B21N006A				SHIP LOOSE			F		G
1B21*PD502B1	DAMPENER	B21N007A				SHIP LOOSE			F		G
1B21*PD502C1	DAMPENER	B21N008A				SHIP LOOSE			F		G
1B21*PD502D1	DAMPENER	B21N009A				SHIP LOOSE			F		G
1B21*PS 020	PRESSURE SWITCH	B21N015	BARKSDALE	CB037	YES	DRF-A001084215E	SAT	33+	F4	CS,HS	G
1B21*RV 092	RELIEF VALVE	B21F013	TARG ROCK	PC099	YES	VPF-5405-3-1	HDT	60+	P11	CS	G
1B21*TE 003	TEMPERATURE ELEMENT	B21N040	ROSEMOUNT	T084	YES	DRF-A00-01364	SA	100	P	CS,HS	G
1B21*TE 043X	TEMPERATURE ELEMENT	B21N016	PYCO	T059	YES	DRF-A00-108491C	SAT	60+	F4	CS,HS	G
1B21*TE 043Y	TEMPERATURE ELEMENT	B21N010	PYCO	T082	YES	DRF-A00-108491C	SAT	60+	F4	CS,HS	G
1B21*TE 059	TEMPERATURE ELEMENT	B21N014	PYCO	T059	YES	DRF-A00-108491C	SAT	60+	F4	CS,HS	G
1B31*MOV031	RECIRC SUCTION VALVE	B31F023	ANCHOR	SC017	YES	305HA661	SA	41	P2	N	G
1B31*MOV032	RECIRC DISCHARGE VALVE	B31F031	ANCHOR	SC014	YES	VPF2809-40	SA/DA	100	P2	N	G
1B31*P- 001	RECIRC PUMP & MOTOR	B31C001	BJ/GE	PC070	YES	206B33C001-KS-1	SA	60+	P2	N	G
1B31*TE 025	TEMPERATURE ELEMENT	B31N023	ROSEMOUNT	PC065	YES	DRF-A00-01364	SA	100	P2	N	G

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IS-316

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PAGE 2

MARK NUMBER	EQUIPMENT DESCRIPTION	NSSS NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1C11*AOV050	SDV AOV	C11-F100				SHIP LOOSE			P		F
1C11*AOV051	SDV AOV	C11-F101				SHIP LOOSE			P		F
1C11*AOV081	HCU DIAPHRAGH VALVE	C11F010	IRON	SC078	YES		SA		P	CS,HS	F
1C11*AOV082	HCU DIAPHRAGH VALVE	C11F011	IRON	SC040	YES		SA		P	CS,HS	F
1C11*HCU-01	CRD HYDRA CONT UNIT	C11D001	GE	SC073	YES	303HA053	HST	2	137	CS,HS	G
1C11*LS 049	LEVEL SWITCH	C11N013	MAGNETROL	SC078	YES	43235-1	HBT	30+	F2	CS,HS	G
1C11*LS 095	LEVEL SWITCH	C11N013	MAGNETROL	SC078	YES	43235-1	HBT	30+	F6	CS,HS	G
1C11*LT 049	LEVEL XHTR	C11N012	GOULD	SC078	YES	SHIP LOOSE		11	F4		G
1C11*PT 113	PRESS XHTR	C11N052	ROSEMOUNT	SC063	YES	SHIP LOOSE		50	F		G
1C11*SOV044	HCU SOLENOID VALVE	C11F009	ASCO	SC063	YES				P	CS,HS	G
1C11*SOV052	SDV SOLENOID VALVE	C11F102	ASCO	SC063	YES				P		G
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	DRF-A000104160D	SBT	100	F	CS,HS	G
1C41*PT 002	PRESSURE TRANSMITTER	C41N004	ROSEMOUNT	SC112	YES	DRF-A00-1084101	SAT	50	F	CS,HS	G
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	NEED INST	SC112		DRF-A00-01364	SA	60+	F	CS,HS	G
1C51*TIP-004	TIP VALVE GUIDE T	C51J004	GE	SC073	YES	DRF-A00992-M	SAT	100	F4	N	G

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PAGE 3

MARK NUMBER	EQUIPMENT DESCRIPTION	NSSS NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1C61*FT 001	DIFF PRESS XHTR	C61N001	ROSEMOUNT	SC008	YES	DRF-A00-1084101	SAT	50	F	N	G
1C61*PIL-RSP	REMOTE SHT DH PIL	C61P001	GE	SC063	YES	SAT-029QA80PA-B	HBT	14	F	N	G
1C61*PT 006	PRESS TRANS	C61N006	BAILEY	SC079	YES	DRF-A001084162C	SAT	100	F	N	G
1C71*PS 003	PRESSURE SWITCH	C71N003	BARKSDALE	CB037	YES	DRF-A001084215E	SAT	33+	F4	CS,HS	G
1E11*E-034	RHR HEAT EXCHANGERS	E11B001	PERFEX CP	SC008	YES	DRF E11-1	DA	14	F2	HS,CS	G
1E11*FT 004	DIFF PRESS XHTR	E11N013	ROSEMOUNT	SC078	YES	DRFA00-1084-101	SAT	50	F	CS,HS	G
1E11*FT 006	DIFF PRESS TRANS	E11N007	ROSEMOUNT	SC008	YES	DRFA00-1084-101	SAT	50	F2	CS,HS	G
1E11*LT 002	LEVEL XHTR	E11N008	BARTON	SC024	YES	DRFA00-1084-67E	HBT	100	F2	CS,HS	G
1E11*P-014	RHR PUMPS & MOTORS	E11C002	BJ/CE	SC008	YES	DRF E11-11	DA	10	F4	CS,HS	G
1E11*PS 134	PRESSURE SWITCH	E11N016	BARKSDALE	SC008	YES	DRFA00-1084215E	SAT	33+	F4	CS,HS	G
1E11*PS 135	PRESSURE SWITCH	E11N020	BARKSDALE	SC008	YES	DRFA00-1084215E	SAT	33+	F4	CS,HS	G
1E11*TE 014	TEMP ELEMENT	E11N009	PYCO	SC023	YES	DRFA00-108491C	SAT	60+	F2	CS,HS	G
1E11*TE 015	TEMP ELEMENT	E11N030	PYCO	SC023	YES	DRFA00-108491C	SAT	60+	F2	CS,HS	G
1E21*P-013	CS PUMPS & MOTORS	E21C001	BJ/GE	SC008	YES	DRF E21-53	DA	12	F2	CS	G
1E21*PIS096	PRESS INDIC SWITCH	E21N010	ROBT SHAW	SC008	YES	DRFA00-1084215E	SAT	33+	F2	CS,HS	G
1E21*PS 012	PRESSURE SWITCH	E21N008	BARKSDALE	SC008	YES	DRFA00-184-141	SAT	33+	F2	CS,HS	G
1E21*PS013	PRESSURE SWITCH	E21N009	BARKSDALE	SC008	YES	DRFA00-184-141	SAT	33+	F2	CS,HS	G
1E32*BLO-13	OUTDO HSIV LCS BLOWER	E32C002	GE	SC076	YES	VPF3030-14-1	SBT	60+	F2	N	G
1E32*BLO-14	INDO HSIV LCS BLOWER	E32C001	GE	SC076	YES	VPF3030-14-1	SBT	60+	F	N	G

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PAGE 4

MARK NUMBER	EQUIPMENT DESCRIPTION	NSSS NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1E32*FE037	FLOW METER	E32N006	S&K	SC066	YES	DRFA00-1034150C	SAT	30+	P4	CS,HS	G
1E32*HC-053	HSIV LCS HTR	E32D001	GE	SC078	YES	VPF3030-33-1	HBT	15	P4	N	G
1E32*PDT035	DIFF PRESS TRANS	E32H059	ROSEMOUNT	SC063	YES	DRFA00-1004-101	SAT	50	F	CS,HS	G
1E32*PDT030	DIFF PRESS TRANS	E32H054	ROSEMOUNT					50	F		G
1E32*PT 033	GAGE PRESS TRANS	E32H055	ROSEMOUNT	SC063	YES	DRFA00-1004-101	SAT	50	F	CS,HS	G
1E32*PT 034	ABS PRESS TRANS	E32H056	ROSEMOUNT	SC063	YES	DRFA00-1004-101	SAT	50	F	CS,HS	G
1E41*LS091	LEVEL SWITCH	E41N014	MAGNETROL	SC016	YES	43235-1	HBT	30+	F	CS,HS	G
1E41*LS092	LEVEL SWITCH	E41N015	MAGNETROL	SC027	YES	43235-1	HBT	30+	F2	CS,HS	G
1E41*LS093A	LEVEL SWITCH	E41N002	MAGNETROL	YARD	YES	43235-1	HBT	30+	F	CS,HS	G
1E41*LS093B	LEVEL SWITCH	E41N003	MAGNETROL	YARD	YES	43235-1	HBT	30+	F	CS,HS	G
1E41*P-016	HPCI PUMP&BOOSTER	E41C001	PACIFIC P	SC009	YES	VPF-2740-180-1	DA	23	F	N	G
1E41*TE053	TEMPERATURE ELEMENT	E41N024	PYCO	SC034	YES	DRFA00-1004-91C	SAT	60+	F2	CS,HS	G
1E41*TE054	TEMPERATURE ELEMENT	E41N028	PYCO	SC025	YES	DRFA00-1004-91C	SAT	60+	F2	CS,HS	G
1E41*TE055	TEMPERATURE ELEMENT	E41N029	PYCO	SC017	YES	DRFA00-1004-91C	SAT	60+	F2	CS,HS	G
1E41*TE056	TEMPERATURE ELEMENT	E41N030	PYCO	SC063	YES	DRFA00-1004-91C	SAT	60+	F2	CS,HS	G
1E41*TI141	TEMP INDICATOR	E41R002	HEED	SC000	YES	DRFA00-01364	SA	100	P	CS,HS	G
1E41*TU-002	HPCI TURBINE	E41C002	TERRY	SC009	YES		HBT		F	N	E
1E51*LS091	LEVEL SWITCH	E51N010	MAGNETROL	SC000	YES	43235-1	HBT	30+	F	CS,HS	G
1E51*P-015	RCIC PUMP	E51C001	BINGHAM	SC008	YES	DRF E51C00112	SA	24	F	HS	G

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1E51*TE052	TEMPERATURE ELEMENT	E51N011	PYCO	SC025	YES	DRFA00-1084-91C	SAT	60+	F2	CS,HS	G
1E51*TE053	TEMPERATURE ELEMENT	E51N022	PYCO	SC027	YES	DRFA00-1084-91C	SAT	60+	F2	CS,HS	G
1E51*TE054	TEMPERATURE ELEMENT	E51N023	PYCO	SC063	YES	DRFA00-1084-91C	SAT	60+	F2	CS,HS	G
1E51*TE055	TEMPERATURE ELEMENT	E51N025	PYCO	SC066	YES	DRFA00-1084-91C	SAT	60+	F4	CS,HS	G
1E51*TE056	TEMPERATURE ELEMENT	E51N026	PYCO	SC066	YES	DRFA00-1084-91C	SAT	60+	F4	CS,HS	G
1E51*TI141	THERMOMETER	E51R005	ROBT SHAW	SC008	YES	DRFA00-01364	SA	100	P	CS,HS	G
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	F13E000	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*CSH-01	DEF F STRG CONTAIN	F16E009	GE	SC151	YES	139F16E009K1	DA	1	F8	N	G
1F16*RAK-025	POISON CURTAIN	F16E015	BNP	SC151	YES	DRF F16-00009-1	DA	1	F14	N	G
1F16*RAK-09	FUEL RACK(IN VESSEL)	F16E006	VOTAN	SC176			DA		F2	N	E
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*FT012	DIFF PRESS TRANS	G33N041	ROSEMOUNT	SC100	YES	DRFA00-1084101K	SAT	50	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
RH =RADNASTE
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
(SQRT PAPER NOT
REQ'D)

QUALIFICATION MILESTONES
A =REEVALUATION COMPLETE
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REVISION 21 MAY 1984

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

RUN DATE 05/29/84
RUN TIME 16.13.50
PAGE 6

STONE & WEBSTER ENGINEERING CORPORATION
NSSS CATEGORY I EQUIPMENT
NSSS QUALIFICATION LEVEL (150 ITEMS)
IS-316

NSSS LIST
1-SORT
ACTIVE
LILCO DOCKET 50-322

MARK NUMBER	EQUIPMENT DESCRIPTION	NSSS NO.	VEHICOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HITING	SAFETY FURIC	QUAL STATUS
1G33*TE020E	TEMPERATURE ELEMENT	G33N042	PYCO	PC97	YES	DRFA00-01344	SA	100	P	N	G
1G33*TE071	TEMPERATURE ELEMENT	G33N016	PYCO	SC136	YES	DRFA00-1004-91C	SAT	60+	F6	N	G
1G33*TIHER	MOTOR DRIVEN THER	G33R616		CB063	YES	DRFA00-1004-61			F2		G
1H11*PRL-601	REACSCORE COOL PB	H11P601	GE	CB063	YES	SAI-029QA00PA-B	HBT	14	F	HS,CS	G
1H11*PRL-602	RHCU & RECIRC EN	H11P602	GE	CB063	YES	SAI-029QA00PA-B	HBT	14	F	HS,CS	G
1H11*PRL-603	REACTOR CONTROL B	H11P603	GE	CB063	YES	SAI-029QA00PA-B	HBT	14	F	HS,CS	G
1H11*PRL-609	PIR RANGE NEUT CA	H11P608	GE	CB063	YES	SAI-029QA00PA-B	HBT	22	F	N	G
1H11*PRL-609	TRIP SYS A EPS VB	H11P609	GE	CB063	YES	SAI-029QA00PA-B	HBT	22	F	HS,CS	G
1H11*PRL-611	TRIP SYS B EPS VB	H11P611	GE	CB063	YES	SAI-029QA00PA-B	HBT	19	F	N	G
1H11*PRL-612	PH & RECIRC INSTR	H11P612	GE	CB063	YES	SAI-029QA00PA-B	HBT	14	F	HS,CS	G
1H11*PRL-613	PROCESS INSTR CAB	H11P613	GE	CB063	YES	SAI-029QA00PA-B	HBT	22	F	N	G
1H11*PRL-614	NSS TEMP LK DET VB	H11P614	GE	CB063	YES	SAI-029QA00PA-B	HBT	19	F	HS,CS	G
1H11*PRL-617	DIV 1 RHR RELAY VB	H11P617	GE	CD044	YES	SAI-029QA00PA-B	HBT	19	F	HS,CS	G
1H11*PRL-618	RHR RELAY VB	H11P618	GE	CD044	YES	SAI-029QA00PA-B	HBT	14	F	N	G
1H11*PRL-620	HPCI RELAY VERT ED	H11P620	GE	CD044	YES	SAI-029QA00PA-B	HBT	14	F	HS,CS	G
1H11*PRL-621	IC RELAY VERT ED	H11P621	GE	CD044	YES	SAI-029QA00PA-B	HBT	21	F	CS	G
1H11*PRL-622	IPED ISO V PELAY VB	H11P622	GE	CD044	YES	SAI-029QA00PA-B	HBT	21	F	CS	G
1H11*PRL-623	OUTED ISO V REL VB	H11P623	GE	CD044	YES	SAI-029QA00PA-B	HBT	14	F	CS	G
1H11*PRL-626	DIV 1 COR SP REL VB	H11P626	GE	CD044	YES	SAI-029QA00PA-B	HBT	14	F	CS	G

QUALIFICATION MILESTONES	REVISION 21	MAY 1984
QUALIFICATION MILESTONES	REVISION 21	MAY 1984
SBT= SINGLE FREQUENCY		
BIAXIAL TESTING		
SC = SECONDARY CONT.		
/ = LOCATED ON CONT.		
HALL		
T = MAIN STM. TURRIEL		
H = NEITHER CS OR HS		
Z = PASSIVE ITEM		
(SORT PAPER NOT REQ'D)		
CB = CONTROL BLDG		
CS = COLD SHUT DOWN		
DA = DYNAMIC ANALYSIS		
F = FLOOR MOUNTED		
HS = HOT STANDBY		
HT = MULTIFREQUENCY		
BIAXIAL TESTING		
HT = MULTIFREQUENCY		
SINGLE AXIAL TESTING		
SBT= SINGLE FREQUENCY		
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NOTE: NUMBER IN
TYPE HITING COLUMN IS
QUANTITY OF ITEMS.

SHOREHAM UNIT 1
JCB NUMBER 1160002
LILCO DOCKET 50-322

NSSS LIST
1-SORT
ACTIVE

STONE & HEDSTER ENGINEERING CORPORATION
NSSS CATEGORY I EQUIPMENT
NSSS QUALIFICATION LEVEL (150 ITEMS)
IS-316

RUN DATE 05/29/84
RUN TIME 16.13.50
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MARK NUMBER	EQUIPMENT DESCRIPTION	NSSS NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE MTNG	SAFETY FUNC	QUAL STATUS
1H11*PHL-627	DIV 2 COR SP REL VB	H11P627	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G
1H11*PHL-628	AUTO BLOWDOWN REL VB	H11P628	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G
1H11*PHL-631	AUTO DEPRESS	H11P631	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G
1H11*PHL-635	DIV 1 RAD MONITOR	H11P635	GE	CB063	YES	SAI-029QA80PA-B	HBT	21	F	N	G
1H11*PHL-636	DIV 2 RAD MONITOR	H11P636	GE	CB063	YES	SAI-029QA80PA-B	HBT	21	F	N	G
1H11*PHL-654	HSL LISPACAGE	H11P654	GE	CB063	YES	SAI-029QA80PA-B	HBT	19	F	N	G
1H11*PHL-655	HSL LISPACAGE	H11P655	GE	CB063	YES	SAI-029QA80PA-B	HBT	21	F	N	G
1H21*PHL-01	CORE SPRAY RK CH A	H21P001	GE	SC008	YES	SAI-029QA80PA	HBT	11	F	CS	G
1H21*PHL-02	RHCU SYSTEM INST	H21P002	GE	SC151	YES	SAI-029QA80PA	HBT	8	F	N	G
1H21*PHL-04	RX VES L & P RACK	H21P004	GE	SC079	YES	SAI-029QA80PA	HBT	8	F	HS,CS	G
1H21*PHL-05	RX VES L & P RACK	H21P005	GE	SC079	YES	SAI-029QA80PA	HBT	8	F	HS,CS	G
1H21*PHL-06	RECIRC PUMP A RAC	H21P006	GE	SC040	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PHL-07	JET PUMP A	H21P009	GE	SC079	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PHL-10	JET PUMP INST RK	H21P010	GE	SC079	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PHL-14	HPCI INST RACK	H21P014	GE	SC008	YES	SAI-029QA80PA	HBT	8	F	N	G
1H21*PHL-15	MAIN STM FLOW RK A	H21P015	GE	SC040	YES	SAI-029QA80PA	HBT	8	F	N	G
1H21*PHL-16	CS/HPCI LK DET I	H21P016	GE	SC008	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PHL-17	RCIC INST RACK	H21P017	GE	SC008	YES	SAI-029QA80PA	HBT	8	F	HS	G
1H21*PHL-18	RHR INST RACK CH	H21P018	GE	SC008	YES	SAI-029QA80PA	HBT	8	F	HS,CS	G

CD = 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
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SC =SECONDARY CONT.
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HALL
T =MAIN STM. TUNNEL
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Z =PASSIVE ITEM
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QUALIFICATION MILESTONES
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REVISION 21 MAY 1984

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

SHOREHAM UNIT 1
JOB NUMBER 1140002
LILCO DUCHEY 50-322

NSSS LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
NSSS CATEGORY I EQUIPMENT
NSSS QUALIFICATION LEVEL(150 ITEMS)
IS-316

RUN DATE 05/29/84
RUN TIME 16.13.50
PAGE 8

MARK NUMBER	EQUIPMENT DESCRIPTION	NSSS N1.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1H21*PHL-19	CORE SPRAY RH CH	H21P019	GE	SC000	YES	SAI-029QA00PA	NBT	11	F	CS	G
1H21*PHL-21	FHR INST BACK CH	H21P021	GE	SC003	YES	SAI-029QA00PA	NBT	8	F	HS,CS	G
1H21*PHL-22	RECIRC PUMP B RAC	H21P022	GE	SC040	YES	SAI-029QA00PA	NBT	8	F	N	G
1H21*PHL-25	MAIN STH FLOW RH	H21P025	GE	SC040	YES	SAI-029QA00PA	NBT	11	F	N	G
1H21*PHL-26	RV LV & PRES RH	H21P026	GE	SC079	YES	SAI-029QA00PA	NBT	11	F	HS,CS	G
1H21*PHL-30	SRM/IRH PREAMP RH	H21P030	GE	SC079	YES	DRF A00-794-16	NBT	4	F	N	G
1H21*PHL-31	SRM/IRH PREAMP RH	H21P031	GE	SC079	YES	DRF A00-794-16	NBT	4	F	N	G
1H21*PHL-32	SRM/IRH PREAMP RH	H21P032	GE	SC079	YES	DRF A00-794-16	NBT	4	F	N	G
1H21*PHL-33	SRM/IRH PREAMP RH	H21P033	GE	SC079	YES	DRF A00-794-16	NBT	4	F	N	G
1H21*PHL-34	HPCI LEAK DET RH	H21P034	GE	SC008	YES	SAI-029QA00PA	NBT	25	F	N	G
1H21*PHL-35	CS/RVIC LM DET I	H21P035	GE	SC040	YES	SAI-029QA00PA	NBT	11	F	N	G
1H21*PHL-36	HPCI LEAK DET RH	H21P036	GE	SC009	YES	SAI-029QA00PA	NBT	11	F	N	G
1H21*PHL-37	PCIC LEAK DET RH	H21P037	GE	SC008	YES	SAI-029QA00PA	NBT	25	F	N	G
1H21*PHL-38	PCIC LEAK DET RH	H21P038	GE	SC040	YES	SAI-029QA00PA	NBT	11	F	N	G
1H21*PHL-41	HH STEAM FLOW IR	H21P041	GE	SC040	YES	SAI-029QA00PA	NBT	11	F	N	G
1H21*PHL-73	HSIV LEAKAGE RH	H21P073	GE	SC063	YES	SAI-029QA00PA	NBT	11	F	N	G
1H21*PHL-74	HSIV LEAKAGE RH	H21P074	GE	SC063	YES	SAI-029QA00PA	NBT	8	F	N	G

CB = CONTROL ELEG	P = PIPE HONDED	SRT= SINGLE FREQUENCY	QUALIFICATION MILESTONES	REVISION 21	MAY 1984
CS = COLD SHUT DOWN	PC = PRIMARY CONT.	BIAXIAL TESTING	A = REEVALUATION COMPLETE		
DA = DYNAMIC ANALYSIS	PL = PEDESTAL	SC = SECONDARY CONT.	B = REQUEST FOR REQUAL OR BID ISSUED		
F = FLOUT HONDED	OP = QUALIFIED BY	/ = LOCATED ON CONT.	C = S/N RECOMMENDATION TO LILCO		
HS = HOT STRATEGY	PIPING ANALYSIS	HALL	D = QUAL DOC RECEIVED		
HGT=HALL II-FREQUENCY	RH = RADINSTE	T = MAIN STH. TURREL	E = HARDWARE MODIFICATION REQ'D		
DIAXIAL TESTING	SA = STATIC ANALYSIS	H = NEITHER CS OR HS	F = QUAL DOC APVD & FILED		
HGT=HALL II-FREQUENCY	SAT= SINGLE FREQUENCY	Z = PASSIVE ITEM	G = SCRT PAPER COMPLETE		
SINGLE AXIAL TESTING	SINGLE AXIAL TESTING	(SCRT PAPER NOT	H = COPIES OF DOC TO DISTRIBUTION		
		REQ'D)			

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