



LONG ISLAND LIGHTING COMPANY

175 EAST OLD COUNTRY ROAD • HICKSVILLE, NEW YORK 11801

MILLARD S. POLLOCK
VICE PRESIDENT-NUCLEAR

April 23, 1984

SNRC-1034

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. Schwender) 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 letter, 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,

M. S. Pollock
Vice President-Nuclear
Shoreham Nuclear Power Station

GJC/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

H LIST
1-SORT
ACTIVE

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

RUN DATE 03/27/84
RUN TIME 14.47.14
PAGE 2

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE SAFE HTNG SHTDN	QUAL STATUS
1X41TT008	SCRHL PLURIPSE TEMP	319-4	CO	POWERS	SH025	YES	43812-1	HBT	24	F2 H	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
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.
WALL
N =NEITHER CS OR HS
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REVISION 20 MARCH 1984
NOTE: NUMBER IN
'TYPE HTNG' COLUMN IS
QUANTITY OF ITEMS.

SHOREHAM T 1
JOB NUMBER 1160002
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RB LIST
1-SORT
ACTIVE

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

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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 SHDN	QUAL STATUS
1B21wLIT007	PRESS TRANSMITTER	406-6	CD	ROSEMOUNT	SC079	YES	108025	HBT	50	F2	CS,HS	H
1B21wPNS081	LIMIT SWITCH	10127	CD	NAICO	PC082		QTR112	SAT	100	P12	N	H
1B21wPNS082	LIMIT SWITCH	10127	CD	NAICO	SC082		QTR112	SAT	100	P12	N	H
1B21wPT 004	PRESS TRANSMITTER	406-6	CD	ROSEMOUNT	SC079	YES	108025	HBT	50	F2	CS,HS	H
1B21wPT 153	RV092 MONITOR	406-2	CD	ROSEMOUNT	SC040	YES	127516	HBT	60+	F11	CS,HS	H
1B21wQEN001	HS SRV ONCHRS	447	PD	SARGENT	PC008	YES	R-S-10078000	DA	9	F11	CS,HS	H
1B21wRV 093	VAC RELIEF VALVES	175	PD	AND. GRIND	PC	YES	N05905198	SAT	18	F12	N	H
1B21wTE 147	HST PA STEAM LM DET	406-1	CD	ROSEMOUNT	SC078	YES	2767	SAT	60+	F2	CS,HS	H
1C11wSOV042	SOLENOID VALVE - ARI	10119	CD	ASCO	SC063	YES	DTB04R771651	SAT	90	F2	CS,HS	H
1C11wSOV048	SOLENOID VALVE - ARI	10119	CD	ASCO	SC063	YES	DTB04R771651	SAT	90	F2	CS,HS	H
1C61wLT 026	SUPP POOL	406-2	CD	ROSEMOUNT	SC008	YES	127516	HBT	60+	F	CS,HS	H
1C61wPT 012	DRYHELL PRESS	406-2	CD	ROSEMOUNT	SC098	YES	127516	HBT	60+	F	CS,HS	H
1C61wPT 106	SAFETY REL VALVE	406-2	CD	ROSEMOUNT	SC101	YES	127516	HBT	60+	F	CS,HS	H
1C61wTE 021	DRYHELL TEMP	406-1	CD	ROSEMOUNT	SC150	YES	2767	SAT	60+	F	CS,HS	H
1C61wTE 022	SUPP POOL TEMP	406-4	CD	ROSEMOUNT	PC028	YES	17607-1	HBT	60+	F2	CS,HS	H
1D11wPHL041	CON DM MON	332	PD	MHC	SC112	YES	45493-1	HBT	12	F	N	H
1D21wRE 085	RAD MONITOR	475-3	CD	KAHAN	PC074	YES	16683-1	HBT	100	F2	N	H
1E21wP-049	LOOP LEVEL PUMPS	235	PD	GOULD PUMP	SC008	YES	HE-320	SA	60+	F2	CS	H
1E41wP-050	LOOP LEVEL PUMP	235	PD	GOULD PUMP	SC008	YES	HE-320	SA	60+	F	CS	H
1E41wPT 142	TO LUBE OIL COOLER	406-2	CD	ROSEMOUNT	SC8	YES	127516	HBT	60+	F	CS,HS	H

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REACTOR BUILDING CATEGORY I FLOOR-MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (153 ITEMS)
IS-316

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PAGE 2

HARM NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	UIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHTDN	QUAL STATUS
1E51P-051	LOOP LEVEL PUMP	235	PD	GOULD PUMP	SC008	YES	HE-320	SA	60+	F	CS	H
1E51PT 142	TO LUBE OIL COOLER	406-2	CD	ROSEMOUNT	SC8	YES	127516	HBT	60+	F	CS,HS	H
1F16RAK-22	HI DENSITY SPNT FUEL R	427	PD	HACHTER	SC137	YES	LIL-T-151	DA	10	F29	N	H
1F16RAK-23	PERM CR STOR RACKS	427	PD	HACHTER	SC137	YES	LIL-T-151	DA	10	F	N	H
1F16RAK-24	TEMP CR STOR RACKS	427	PD	HACHTER	SC137	YES	LIL-T-151	DA	10	F2	N	H
1G11FT 447	SUPP POOL PUMP BACH	406-2	CD	ROSEMOUNT	SC008	YES	127516	HBT	60+	F3	CS,HS	H
1G11LE 442	RB FLOOR LEVFL	473	CD	DELAVAL	SC008	YES	45700-1	HBT	14	F	N	H
1G11LE 445	RB FLOOD LEVEL	473	CD	DELAVAL	SC008	YES	45700-1	HBT	14	F2	N	H
1G41E-019	FUEL STG POOL HT EXCHA	190-1	PD	STRUTHERS CO	SC151	YES	70-06-30787	SA	25	F2	CS,HS	H
1G41P-023	FUEL STORAGE POOL COOL	062G-1	PD	GOULD PUMP	SC151	YES	HE-325	SA	33	F2	N	H
1P41FT 146	RBCLCH MX SERV WATER	406-2	CD	ROSEMOUNT	SC024	YES	127516	HBT	60+	F2	CS,HS	H
1P41FT 151	RAD MON SAMPLE	406-2	CD	ROSEMOUNT	SC008	YES	127516	HBT	60+	F2	CS,HS	H
1P42E-011	RBCLCH HT EXCHANGER	190-2	PD	STRUTHERS CO	SC8	YES	70-06-30786	SA	12	F2	CS,HS	H
1P42E-117	BOOSTER HT EXCH	190-3	PD	STRUTHERS	SC8	YES	79-06-33475	SA	5+	F2	HS	H
1P42L9 012	RBCLCH TK-026	407-1	CD	HAGNETROL	SC160	YES	43235-1	HBT	17	F2	HS	H
1P42L9 013	RBCLCH TK-026	407-1	CD	HAGNETROL	SC160	YES	43235-1	HBT	17	F2	HS	H
1P42P-005	RB CLOSED LOOP COOLING	062G-3	PD	GOULD PUMP	SC151	YES	HE-354	SA	68	F3	HS	H
1P42PS 021	PUMP 1P42P005C DISCH	348-2	ED	ASCO	SC153	YES	178	SAT	60+	F3	HS	H
1P42PS 022	PUMP 1P42P005B DISCH	348-2	ED	ASCO	SC153	YES	178	SAT	60+	F3	HS	H
1P42PS 046	PUMP 1P42P005A DISCH	348-2	ED	ASCO	SC151	YES	178	SAT	60+	F3	HS	H

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REACTOR BUILDING CATEGORY I FLOOR-MOUNTED EQUIPMENT
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IS-316

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PAGE 3

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1P42*TH-026	RBCLCH HEAD TANK	114-2	PD	BUFFALO TANK	SC151	YES	MMHB125-IA	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 NORTH SUP	348-2	ED	ASCO	SC102		178	SAT	60+	F2	CS,HS	H
1P50*PT 111	ADS ACCUMULATOR	406-2	CO	ROSEMOUNT	SC101	YES	127516	HBT	60+	F2	CS,HS	H
1P50*PT 116	SERV AIR HDR PRESS	406-2	CO	ROSEMOUNT	SC101	YES	127516	HBT	60+	F2	CS,HS	H
1R24*HCC-111M	MTR CNTRL CNTR	115-1	ED	SQUARE D CO	SC150	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC-111X	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC113	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC-111Y	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC78	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC-111Z	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC78	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC-112M	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC150	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC-112X	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC78	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC-112Y	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC112	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1111	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1112	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC113	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1113	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC113	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1114	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC151	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1117	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1118	480 V MOTOR CONT CENTE	115-1	ED	SQUARE D CO	SC113	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1119	480 V MOTOR CONT CENTE	115-1	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1121	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4	F	CS,HS	H

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SHOREHA 1
JOB NUMBER 1160002
LILCO DOCKET 50-322

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1R24WCC1122	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC79	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24WCC1123	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC113	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24WCC1124	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC151	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24WCC1127	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24WCC1128	480 V MOTOR CONT CENTE	115-1	ED	SQUARE D CO	SC113	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24WCC1129	480 V MOTOR CONT CENTE	115-1	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24WCC1131	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC63	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24WHG-111	LPCI HG SET	439-1	ED	LOUIS ALLIS	SC150	YES	HE698	SA	27	F	N	H
1R24WHG-112	LPCI HG SET	439-1	ED	LOUIS ALLIS	SC150	YES	HE698	SA	27	F	N	H
1R24WHG-113	LPCI HG SET	439-1	ED	LOUIS ALLIS	SC150	YES	HE698	SA	27	F2	N	H
1R24WPHL-B1	480 VAC CKT BKR	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WPHL-G1	480 VAC CKT BKR	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WPHL-R1	480 VAC CKT BKR	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WPHL-R2	480 VAC CKT BKR	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WPHL-Y1	480 VAC CKT BKR	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WPHL-01	480 VAC CKT BKR	115-2	ED	SQUARE D CO	SC78	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WPHL-02	480 VAC CKT BKR	115-2	ED	SQUARE D CO	SC78	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WPHL-03	480 VAC CKT BKR	115-2	ED	SQUARE D CO	SC78	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WPHL-04	480 VAC CNTRL PHR FEED	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WPHL-111	LPCI SIP PHL	439-2	ED	LOUIS ALLIS	SC150		84-66829	HBT	27	F	N	H

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1R24wPML-113	LPCI SIP PNL	439-2	ED	LOUIS ALLIS	SC150		84-66829	HBT	27	F2	N	H
1R24wTR5111X	LCPI ATS	438	ED	ASCO	SC112	YES	14606	HBT	13	F	CS,H3	H
1R24wTR5112Y	LCPI ATS	438	ED	ASCO	SC112	YES	14606	HBT	13	F	CS,H3	H
1R35wPML-B2	EHER 120 V PNL B2-SC	124-1	ED	SYSTEM CONT	SC112	YES	45322-1	HBT	15	F	CS,H3	H
1R35wPML-R2	EHER 120 V PNL R2-SC	124-1	ED	SYSTEM CONT	SC112	YES	45322-1	HBT	15	F	CS,H3	H
1R35wT-B2	480-120/240V TRANS	248-1	ED	MAGNETICS	SC112	YES	MYLE43424-1	HBT	9	F	CS,H3	H
1R35wT-R2	480-120/240V TRANS	248-1	ED	MAGNETICS	SC112	YES	MYLE43424-1	HBT	9	F	CS,H3	H
1R42wMCC-0A1	125 VDC MOTOR CONT CEN	168	ED	GEN ELEC	SC40	YES	79GPC005	SAT	100	F	CS,H3	H
1R42wMCC-0A2	125 VDC MOTOR CONT CEN	168	ED	GEN ELEC	SC112	YES	79GPC005	SAT	100	F	CS,H3	H
1R42wMCC-0B1	125 VDC MOTOR CONT CEN	168	ED	GEN ELEC	SC40	YES	79GPC005	SAT	100	F	CS,H3	H
1R42wMCC-0B2	125 VDC MOTOR CONT CEN	168	ED	GEN ELEC	SC112	YES	79GPC005	SAT	100	F	CS,H3	H
1T23wZ-EA1	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,H3	H
1T23wZ-EB1	REACTOR CONT ELEC PEN	456	ED	CONAX	PC078	YES	IPS 453	SAT	24	F	CS,H3	H
1T23wZ-EB2	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,H3	H
1T23wZ-ED5	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,H3	H
1T23wZ-ED6	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,H3	H
1T23wZ-HB3	REACTOR CONT ELEC PEN	456	ED	CONAX	PC078	YES	IPS 453	SAT	24	F	CS,H3	H
1T23wZ-HB4	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,H3	H
1T23wZ-HC4	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,H3	H

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REACTOR BUILDING CATEGORY I FLOOR-MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (153 ITEMS)
IS-316

RUN DATE 03/27/89
RUN TIME 14.47.14
PAGE 6

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHDN	QUAL STATUS
1T23*Z-M01	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	H
1T23*Z-M02	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	H
1T46*ADD040	RB REFUEL LVL EXHAUST	319-1	CD	POWERS REGUL	SC154	YES	44540-1	SA/SAT	40	F2	CS	H
1T46*ADD041	RB POT CONTAIN AREA EXH	319-5	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	CS,HS	H
1T46*CLC-05	RBSVS COOLING COILS	276-1	PD	BUFFALO FORGE	SC113	YES	80N-27781	SA	5	F2	CS,HS	H
1T46*FLT-01	RBSVS FILTER TRAINS	105-2	PD	FARR CO	SC112	YES	D-56291	SA/SAT	11	F2	CS,HS	H
1T46*FN-003	RB EXH FANS-RBNVS	270-5	PD	BUFFALO FORGE	SC124	YES	745-11136	SA	15	F3	CS	H
1T46*FN-079	RB EXH BOOSTER FAN	102-1	PD	BUFFALO FORGE	SC133	YES	745-4244C	SA	51	F2	CS,HS	H
1T46*FT 004	RBSVS EXH AIR FLOW	319-5	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	N	H
1T46*HE 002	FLT-1 HOISTURE	319-5	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	N	H
1T46*HOD031	RBSVS INLET TO MIX PLN	319-5	CD	POWERS REGUL	SC135	YES	43812-1	SA/SAT	24	F2	CS,HS	H
1T46*HOD034	RBSVS FILTER TRAIN DCH	319-2	CD	POWERS REGUL	SC182	YES	44540-1	SA/SAT	60	F2	CS	H
1T46*HOD036	FN-3 DISCHARGE AIR	319-5	CD	POWERS REGUL	SC126	YES	43812-1	SA/SAT	24	F3	CS,HS	H
1T46*HOD047	FN-79 DISCHARGE AIR	319-5	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	N	H
1T46*HOD048	FLT-1 INLET AIR	319-5	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	N	H
1T46*PD03045	FN-3 DIFF PRESSURE	319-5	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	CS,HS	H
1T46*PD03046	FN-3 DIFF PRESSURE	319-5	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F3	CS,HS	H
1T46*PDT003	FLT-1A DIFF PRESSURE	406-2	CD	ROSEMOUNT	SC112	YES	127516	HBT	60+	F2	CS,HS	H
1T46*PDT043	REACTOR BLDG DIFF	406-2	CD	ROSEMOUNT	SC220	YES	127516	HBT	60+	F2	CS,HS	H
1T46*TE 001	RBSVS RECIRC AIR TEMP	406-1	CD	ROSEMOUNT	SC144	YES	2767	SAT	60+	F2	CS,HS	H

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BOP QUALIFICATION LEVEL (153 ITEMS)
IS-316

RUN DATE 03/27/84
RUN TIME 14.47.14
PAGE 7

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHTDN	QUAL STATUS
1T46#TE 006	TEMP. ELEMENT	406A	CD	CONAX	SC040	YES	IPS-805	HBT	60+	F	CS,HS	H
1T46#TE 022	AIR RETURN TO UC-2	406-1	CD	ROSEHOUNT	SC10	YES	2767	SAT	60+	F2	CS,HS	H
1T46#TE 023	AIR RETURN TO UC-3	406-1	CD	ROSEHOUNT	SC42	YES	2767	SAT	60+	F2	CS,HS	H
1T46#TE 024	AIR RETURN TO UC-4	406-1	CD	ROSEHOUNT	SC220	YES	2767	SAT	60+	F2	CS,HS	H
1T46#TE 025	AIR RETURN TO UC-5	406-1	CD	ROSEHOUNT	SC220	YES	2767	SAT	60+	F2	CS,HS	H
1T46#TE 028	HCC RH UNIT COOLER	406-1	CD	ROSEHOUNT	SC128	YES	2767	SAT	60+	F2	CS,HS	H
1T46#TE 059	#UC-21 UNIT CLR	406-1	CD	ROSEHOUNT	SC155	YES	2767	SAT	60+	F2	CS,HS	H
1T46#TE 060	#UC-22 UNIT CLR	406-1	CD	ROSEHOUNT	SC160	YES	2767	SAT	60+	F2	CS,HS	H
1T46#UC-002	UNIT COOLERS-RBSVS	276-2/6	PD	BUFFALO FORGE	SC0	YES	80N-27781	SA	5	F2	CS,HS	H
1T46#UC-003	UNIT COOLERS-RBSVS	276-2/6	PD	BUFFALO FORGE	SC008	YES	80N-27781	SA	5	F2	CS,HS	H
1T46#UC-004	UNIT COOLERS-RBSVS	276-3	PD	BUFFALO FORGE	SC175	YES	80N-27781	SA	5	F2	CS,HS	H
1T46#UC-005	UNIT COOLERS-RBSVS	276-3	PD	BUFFALO FORGE	SC175	YES	80N-27781	SA	5	F2	CS,HS	H
1T46#UC-020	UNIT COOLERS-HCC IN RB	276-4	PD	BUFFALO FORGE	SC112	YES	80N-27781	SA	5	F2	CS,HS	H
1T46#UC-021	UNIT COOLERS	276-5	PD	BUFFALO FORGE	SC150	YES	80N-27781	SA	5	F2	CS,HS	H
1T46#UC-022	UNIT COOLERS - RBSVS	276-5	PD	BUFFALO FORGE	SC161	YES	80N-27781	SA	5	F2	CS,HS	H
1T46#UC-023	UNIT COOLER HCC RB	276-7	PD	BUFFALO FORGE	SC040	YES	80N-27903-6	SA	5	F	N	H
1T48#FT 005N	HEPA FILTER INLET	406-2	CD	ROSEHOUNT	SC113	YES	127516	SAT	60+	F2	CS,HS	H
1T48#LS 061	COND LEVEL	407-1	CD	MAGNETROL	SC73	YES	43235-1	HBT	17	F2	HS	H
1T48#PHL-40	HYD RECOMB POWER CABIN	269-1	PD	ATONICS INT	SC112	YES	58083	HBT	14	F2	N	H
1T48#PHL-60	GAS ANALYZER-DRYNELL	344-1	PD	DELPHI IND	SC112	YES	1035-1	HBT	18	F2	N	H

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REACTOR BUILDING CATEGORY I FLOOR-MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (153 ITEMS)
IS-316

RUN DATE 03/27/84
RUN TIME 14.47.14
PAGE 8

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL ITEM	FREQ	TYPE HTNG	SAFE SHTDN	QUAL STATUS
1T48wPML-69	GAS ANALYZER-SUPPR CHH	344-1	PD	DELPHI IND	SC112	YES	1035-1	HBT	18	F2	N	H
1T48wRC-002	HYD RECOIB UNIT	289-2	PD	ATOMICS INT	SC112	YES	54591-2	HBT	14	F2	N	H
1Z93wLT 001	SUPPRESSION POOL LEVEL	406-2	CD	ROSEMOUNT	SC8	YES	127516	SAT	60+	F2	CS,HS	H
1Z93wPT 003	DRYWELL PRESSURE	406-3	CD	ROSEMOUNT	SC98	YES	108025	HBT	60+	F2	CS,HS	H
1Z93wPT 004	SUPP POOL PRESS	406-3	CD	ROSEMOUNT	SC40	YES	108025	HBT	60+	F2	CS,HS	H
1Z93wTE 110	RV092ACL DISCHARGE-1FT	406-4	CD	ROSEMOUNT	PC28	YES	17607-1	HBT	60+	F4	N	H
1Z93wTE 111	RV092BDE DISCHARGE-1FT	406-4	CD	ROSEMOUNT	PC28	YES	17607-1	HBT	60+	F4	N	H
1Z93wTE 112	RV092KG DISCHARGE-1FT	406-4	CD	ROSEMOUNT	PC28	YES	17607-1	HBT	60+	F4	N	H
1Z93wTE 113	RV092FHJ DISCHARGE-1FT	406-4	CD	ROSEMOUNT	PC28	YES	17607-1	HBT	60+	F4	N	H
1Z93wTE 132	RV092ACL DISCHARGE-2FT	406-4	CD	ROSEMOUNT	PC28	YES	17607-1	HBT	60+	F2	N	H
1Z93wTE 133	RV092BDE DISCHARGE-2FT	406-4	CD	ROSEMOUNT	PC28	YES	17607-1	HBT	60+	F2	N	H
1Z93wTE 134	RV092KG DISCHARGE-2FT	406-4	CD	ROSEMOUNT	PC28	YES	17607-1	HBT	60+	F2	N	H
1Z93wTE 135	RV092FHJ DISCHARGE-2FT	406-4	CD	ROSEMOUNT	PC28	YES	17607-1	HBT	60+	F2	N	H

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CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (218 ITEMS)
IS-316

RUN DATE 03/27/84
RUN TIME 14.47.03
PAGE 1

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLOG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ MTNG	SAFE SHTDN	QUAL STATUS
1021=PHJ-501	TRIP/CALIB UNIT	406-5	CD	ROSEMOUNT	063	YES	127531	SAT	57+ F	N	H
1021=TE-037	WH STN LINE TURB AREA	406-1	CD	ROSEMOUNT	042	YES	2767	SAT	35+ F4	C9,H3	H
1011=P-126	AUX. PUMP SHID	475-5	PD	KAHAN	070	YES	K-82-U(R)	SA	33+ F	N	F
1011=P-134	AUX. PUMP SHID	475-5	PD	KAHAN	120	YES	K-82-U(R)	SA	33+ F	N	F
1011=PHL-021	RBSBVS MONITORING PANE	332	PD	NIC	063	YES	45493-1	HBT	13 F	N	H
1011=PHL-022	RBSBVS MONITORING PANE	332	PD	NIC	063	YES	45493-1	HBT	13 F	N	H
1011=PHL-025	CONT ROOM MONITOR PNL	332	PD	NIC	044	YES	45493-1	HBT	14 F2	N	H
1011=PHL-026	CONT ROOM MONITOR PNL	332	PD	NIC	044	YES	45493-1	HBT	14 F2	N	H
1011=PHL-027	CONT RH VENT MONIT PNL	332	PD	NIC	063	YES	45493-1	HBT	13 F	N	H
1011=PHL-066	POST ACCOUNT MON	332	PD	NIC	063	YES	45493-1	HBT	14 F	N	H
1011=PHL-067	POST ACCDNT MONITORS	332	PD	NIC	063	YES	45493-1	HBT	14 F	N	H
1011=PHL-068	POST ACCDNT MONITORS	332	PD	NIC	063	YES	45493-1	HBT	14 F	N	H
1011=PHL-069	POST ACCDNT MONITORS	332	PD	NIC	063	YES	45493-1	HBT	14 F	N	H
1011=PHL-080	RAD MON PNL	332	PD	NIC	063	YES	45493-1	HBT	6 F2	N	H
1011=PHL-117	RAD MON SYS IND	475-4	PD	KAHAN	063	YES	K-83-1-U(R)	SA	27 F2	N	D
1011=PHL-126	STA VENT MONITOR	475-1	PD	KAHAN	063	YES	16435	HBT	4 F	N	H
1011=PHL-134	RB SVS MONITOR	475-1	PD	KAHAN	113	YES	16435	HBT	4 F	N	H
1011=PHL-135	MICROCOMP FOR PNL126	475-2	PD	KAHAN	063	YES	16435-A	HBT	19 F	N	H
1011=PHL-137	MICROCOMP FOR PNL134	475-2	PD	KAHAN	063	YES	16435-A	HBT	19 F	N	H
1011=LTS-442	TK56 LEVEL	473	CD	DELAVAL	063	YES	45700-1	HBT	14 F	N	H

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RUN DATE 03/27/84
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PAGE 2

HARM NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLOG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHTDM	QUAL STATUS
1G11=LTS-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=PNL-AC1	H2&O2 ANAL&PST ACC SAM	125-4	CD	RELIANCE	063	YES	RCAP-001-0	SA	13	F	CS	H
1H11=PNL-AC2	H2&O2 ANAL&PST ACC SAM	125-4	CD	RELIANCE	063	YES	RCAP-001-0	SA	13	F	CS	H
1H11=PNL-BR1	BUFFER RELAY CAB	125-5	CD	RELIANCE	044	YES	99AX400536	SA/HST	37	F	CS,HS	H
1H11=PNL-HXP	MISC CONTROL PANEL	125-12	CD	RELIANCE	063	YES	99AX400590	SA/HST	17	F	CS,HS	H
1H11=PNL-PCM	PRI CONT MONITOR PANEL	125-13	CD	RELIANCE	063	YES	99AX400466	SA/HST	14	F	N	H
1H11=PNL-VC1	TB & MISC VENT	125-6	CD	RELIANCE	063	YES	99AX400536	SA/HST	17	F	CS	H
1H11=PNL-VC2	RB VENT	125-6	CD	RELIANCE	063	YES	99AX400536	SA/HST	17	F	CS	H
1H21=PNL-AX1	AUX RELAY	125-7	CD	RELIANCE	044	YES	99AX400590	SA/HST	32	F	CS,HS	H
1H21=PNL-AX2	AUX RELAY	125-7	CD	RELIANCE	044	YES	99AX400590	SA/HST	32	F	CS,HS	H
1H21=PNL-AX3	AUX RELAY PANEL AX3	125-14	CD	RELIANCE	063	YES	AAI-131	SA/HST	22	F	CS,HS	H
1H21=PNL-AX5	AUX RELAY PANEL AX5	125-14	CD	RELIANCE	063	YES	AAI-131	SA/HST	22	F	CS,HS	H
1H21=PNL-AX6	AUX RELAY PANEL AX6	125-14	CD	RELIANCE	063	YES	AAI-131	SA/HST	22	F	CS,HS	H
1H21=PNL-VX1	VENT AUX RELAY	125-8	CD	RELIANCE	044	YES	99AX0536-VX1	SA/HST	34	F	CS,HS	H
1H21=PNL-VX2	VENT AUX RELAY	125-8	CD	RELIANCE	044	YES	99AX0536-VX1	SA/HST	34	F	CS,HS	H
1H21=PNL-VX3	VENT AUX RELAY	125-8	CD	RELIANCE	044	YES	99AX0536-VX1	SA/HST	23	F	CS,HS	H
1H21=PNL-060	ELEC ANAL INSTR RK	125-1	CD	RELIANCE	044	YES	99AX400679	SA/HST	33	F	CS,HS	H
1H43=HS003	FIRE DET SW STA	319-4	ED	POWERS REG	044	YES	43812-1	HBT	24	F3	CS,HS	H
1H43=HS006	FIRE DET SW STA	319-4	ED	POWERS REG	025	YES	43812-1	HBT	24	F3	CS,HS	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
SAT=SINGLE FREQUENCY
SINGLE AXIAL TESTING

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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 03/27/84
RUN TIME 14.47.03
PAGE 3

HARM NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ HTNG	SAFE SHTON	QUAL STATUS
1H43=PML-C01	C02 DETEC PML RELAY R1	238	PD	RELIANCE	044	YES	44204-1	HBT	17 F2	N	H
1H43=PML-C02	C02 SUPVR PML BATTERY	238	PD	RELIANCE	025	YES	44204-1	HBT	17 F	N	H
1H43=PML-C03	C02 SUPVR PML BATTERY R	238	PD	RELIANCE	025	YES	44204-1	HBT	17 F	N	H
1H43=PML-C04	C02 SUPVR PML BATTERY R	238	PD	RELIANCE	025	YES	44204-1	HBT	17 F	N	H
1H43=PML-C05	C02 SUPVR PML DSL RH 1	238	PD	RELIANCE	015	YES	44204-1	HBT	17 F	N	H
1H43=PML-C06	C02 SUPVR PML DSL RH 1	238	PD	RELIANCE	015	YES	44204-1	HBT	17 F	N	H
1H43=PML-C07	C02 SUPVR PML DSL RH 1	238	PD	RELIANCE	015	YES	44204-1	HBT	17 F	N	H
1H43=PML-C08	C02 SUPVR PML EHER SHG	238	PD	RELIANCE	025	YES	44204-1	HBT	17 F	N	H
1H43=PML-C09	C02 SUPVR PML EHER SHG	238	PD	RELIANCE	025	YES	44204-1	HBT	17 F	N	H
1H43=PML-C10	C02 SUPVR PML EHER SHG	238	PD	RELIANCE	025	YES	44204-1	HBT	17 F	N	H
1H43=PML-C11	C02 SUPVR PML COMPUTER	238	PD	RELIANCE	044	YES	44204-1	HBT	17 F	N	H
1H50=AOV062	RBSVS & CRAC	423-1	CD	FISHER	071	YES	CD76-82	SAT	23 P2	CS,HS	H
1H50=AOV063	RBSVS & CRAC	423-1	CD	FISHER	071	YES	CD76-82	SAT	23 P2	CS,HS	H
1H50=AOV068	CHILLED WTR ISO BY	318-6	CD	COPE'S VULCAN	071	YES	10.3.115	SA	124 P2	CS,HS	H
1H50=AOV069	CHILLED WTR ISO BY	318-6	CD	COPE'S VULCAN	075	YES	10.3.115	SA	124 P2	CS,HS	H
1H50=PT-043	MC-3 EVAP	406-2	CD	ROSEMONT	063	YES	127516	SBT	50 F2	CS,HS	H
1H50=PT-053	MC-4 EVAP	406-2	CD	ROSEMONT	063	YES	127516	SBT	50 F2	CS,HS	H
1H50=LCV025	CH SYSTEM A MAKEUP	318-6	CD	COPE'S VULCAN	072	YES	10.3.115	SA	124 P2	CS,HS	H
1H50=LS 002	TSOL BYP V AOV68A,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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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 (218 ITEMS)
15-316

RUN DATE 03/27/84
RUN TIME 14.47.03
PAGE 4

HARM NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ HTNG	SAFE SHUTDN	QUAL STATUS
1H50H0V031	CH RETURN	197-5	PD	PRATT	071	YES	D-0034-7	SA	394 P2	CS,HS	H
1H50H0V032	CH SUPPLY	197-5	PD	PRATT	075	YES	D-0034-7	SA	394 P2	CS,HS	H
1H50H0V033	CH RETURN CROSSOVER	197-5	PD	PRATT	071	YES	D-0034-7	SA	394 P2	CS,HS	H
1H50H0V034	CH SUPPLY CROSSOVER	197-5	PD	PRATT	075	YES	D-0034-7	SA	394 P2	CS,HS	H
1H50P-137	RBSVS & CRAC CH PUMPS	42G-2	PD	GOULD PUMPS	063	YES	HE-326	SA	81 F2	CS,HS	H
1H50P-138	RBSVS & CRAC CH PUMPS	42G-2	PD	GOULD PUMPS	063	YES	HE-326	SA	81 F2	CS,HS	H
1H50P-139	RBSVS & CRAC COND PUMP	42H	PD	WORTHINGTON	063	YES	DHA-000047	SA	31 F2	CS,HS	H
1H50P-140	RBSVS & CRAC COND PUMP	42H	PD	WORTHINGTON	063	YES	DHA-000047	SA	31 F2	CS,HS	H
1H50PCV019	RBSV H50 DIFF PRESS	310-2	CD	FISHER CONTROL	063	YES	2-24451	SA/SAT	25 P2	CS	H
1H50PDT019	RBSVS H50 DIF PR	404-2	CD	ROSEMONT	063	YES	127516	SBT	50 F2	CS,HS	H
1H50PML-03	CHILLER CONTROL PANEL	104-2	PD	TRANE CO	063	YES	MUC-102	SA	13 F2	CS,HS	H
1H50PML-04	CHILLER CONTROL PANEL	104-2	PD	TRANE	063	YES	MUC-102	SA	13 F2	CS,HS	H
1H50RV091	CHILLED H2O SURGE TANK	191	CD	LOHERGAN	072	YES	502644	SA	40 P2	CS,HS	H
1H50TE 089	RBSVS CHILLED HTR SYS	404-1	CD	ROSEMONT	078	YES	2767	SAT	35+ F2	CS,HS	H
1H50TH-088	RBSVS & CRAC-SURGE TAN	114-1	PD	BUFFALO TANK	063	YES	MH(B)-122-1A	SA	45 F2	CS,HS	H
1H50HC-003	RBSVS & CRAC HTR CHILL	104-1	PD	TRANE CO	063	YES	MUC-102	SA	31 F2	CS,HS	H
1H50HC-004	RBSVS & CRAC HTR CHILL	104-1	PD	TRANE CO	063	YES	MUC-102	SA	31 F2	CS,HS	H
1N11H0V031	2ND STAGE REHEAT STH	88V-14	PD	VELAN	051	YES	SR-4262	SA/SAT	33+ P2	HS	H
1N11H0V034	HISC STH FROM HOR ISO	88V-14	PD	VELAN	051	YES	SR-4262	SA/SAT	33+ P	HS	H
1N11H0V041	AUXILIARY STEAM SUPPLY	88V-8	PD	VELAN	051	YES	SR-6181	SA/SAT	33+ P	CS	H

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LILCO DOCKET 50-322

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STONE & WEBSTER ENGINEERS, CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (218 ITEMS)
IS-314

RUN DATE 03/27/84
RUN TIME 14.47.03
PAGE 5

HARM NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLOG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPZ FREQ	SAFE HTNG	QUAL SHDN	STATUS
1P41wAOV014	DIESEL HX E-13A OUTLET	423-1	CD	FISHER	025	YES	CD74-82	SA	23	P3	CS	H
1P41wFT 054	MC-3 COND MTR IN	406-2	CD	ROSEHONT	063	YES	127514	HBT	60+	F2	CS,H5	H
1P41wFT 059	MC-4 COND MTR IN	406-2	CD	ROSEHONT	063	YES	127514	HBT	60+	F2	CS,H5	H
1P41wMOV034A	VT CHILL MTR SPLY ISOL	197-4	PD	PRATT	012	YES	D-0034-3	SA	33+	P	CS,H5	H
1P41wMOV034B	VT CHILL MTR SPLY ISOL	197-4	PD	PRATT	012	YES	D-0034-3	SA	33+	P	CS,H5	H
1P41wMOV034C	VT CHILL MTR SPLY ISOL	197-4	PD	PRATT	050	YES	D-0034-4	SA	297	P	CS,H5	H
1P41wPS 008	SUCTION IH50wP-139B	348-1	CD	ASCO	063	YES	178	SAT	50+	F2	CS,H5	H
1P41wPS 009	SUCTION IH50wP-140B	348-1	CD	ASCO	063	YES	178	SAT	50+	F2	CS,H5	H
1P41wRV 019	OUTLET DIESEL HX-13	191	CD	LONERGAN	028	YES	502644	SA	60	P3	CS,H5	H
1P41wRV 044	CNTRL RH & RBSVS MC-3	191	CD	LONERGAN	072	YES	502644	SA	60	P2	H5	H
1P41wRV 045	CNTRL RH & RBSVS MC-4B	191	CD	LONERGAN	072	YES	502644	SA	60	P2	H5	H
1P41wTCV055	CNTRL RH & RBSVS MC-3	310-3	CD	FISHER CONT.	063	YES	CD74-20	SA	40	P4	CS,H5	H
1P41wTCV060	CNTRL RH & RBSVS MC-4	310-3	CD	FISHER CONT.	063	YES	CD74-20	SA	40	P4	CS,H5	H
1P41wTE 055	CNTRL RH & RBSVS MC-3	406A	CD	CONAX	068	YES	IPS-805	HBT	60	P2	CS,H5	H
1P41wTE 060	CNTRL RH & RBSVS MC-4	406A	CD	CONAX	068	YES	IPS-805	HBT	60	P2	CS,H5	H
1R22wSHG-101	4.16KV EHER BUS 101	39	ED	GEN ELEC CO	025	YES	300-91059	DA/SAT	8	F	CS,H5	H
1R22wSHG-102	4.16KV EHER BUS 102	39	ED	GEN ELEC CO	025	YES	300-91059	DA/SAT	8	F	CS,H5	H
1R22wSHG-103	4.16KV EHER BUS 103	39	ED	GEN ELEC CO	025	YES	300-91059	DA/SAT	8	F	CS,H5	H
1R23wPHL-001	480V LOAD RESET PANEL1	125-3	CD	RELIAANCE	025	YES	AA1-125	SA/SAT	24	F	CS,H5	H
1R23wPHL-002	480V LOAD RESET PANEL2	125-3	CD	RELIAANCE	025	YES	AA1-125	SA/SAT	24	F	CS,H5	H

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CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (218 ITEMS)
IS-314

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PAGE 4

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLOG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ HTNG	SAFE SHUTON	QUAL STATUS
1R23wPHL-003	480V LOAD RESET PANELS	125-3	CO	RELIANCE	025	YES	AA1-125	SA/SAT	24 F	CS,HS H	
1R23wSHG-111	480V EHER SHGR BUS 111	95-1	ED	ITE	025	YES	33-48359	HBT	5 F	CS,HS H	
1R23wSHG-112	480V EHER SHGR BUS 112	95-1	ED	ITE	025	YES	33-48359	HBT	5 F	CS,HS H	
1R23wSHG-113	480V EHER SHGR BUS 113	95-1	ED	ITE	025	YES	33-48359	HBT	5 F	CS,HS H	
1R24wHCC1115	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4 F	CS,HS H	
1R24wHCC1116	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4 F	CS,HS H	
1R24wHCC1125	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4 F	CS,HS H	
1R24wHCC1126	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4 F	CS,HS H	
1R24wHCC1133	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4 F	CS,HS H	
1R24wHCC1134	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4 F	CS,HS H	
1R35wPHL-B1	EHER 120V PHL B1-REL R	124-2	ED	SYSTEM CONT	044	YES	15074	SAT	21 F	CS,HS H	
1R35wPHL-B3	EHER 120/240V PANEL	124-2	ED	SYSTEM CONT	020	YES	15074	SAT	21 F	CS,HS H	
1R35wPHL-R1	EHER 120V PHL R1-REL R	124-2	ED	SYSTEM CONT	044	YES	15074	SAT	21 F	CS,HS H	
1R35wPHL-R3	EHER 120/240V PANEL	124-2	ED	SYSTEM CONT	020	YES	15074	SAT	21 F	CS,HS H	
1R35wPHL-01	EHER 120V PHL 01-REL R	124-2	ED	SYSTEM CONT	044	YES	15074	SAT	21 F	CS,HS H	
1R35wPHL-02	EHER 120/240V PANEL	124-2	ED	SYSTEM CONT	020	YES	15074	SAT	21 F	CS,HS H	
1R35wT-B1	XFMR-EHER 120V PHL B1	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9 F	CS,HS H	
1R35wT-B3	XFMR-EHER 120V PHL B3	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9 F	CS,HS H	
1R35wT-R1	XFMR-EHER 120V PHL R1	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9 F	CS,HS H	
1R35wT-R3	XFMR-EHER 120V PHL R3	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9 F	CS,HS H	

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CONTROL BUILDING CATEGORY I EQUIPMENT
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15-316

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PAGE 7

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ	SAFE HTNG	QUAL SHTDN	STATUS
1R35-T-01	XFR-EHER 120V PNL 01	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	H
1R35-T-02	XFR-EHER 120V PNL 02	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	H
1R35-T-201	XFR-HTR SPACE HTR-BUS	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	H
1R35-T-202	XFR-HTR SPACE HTR-BUS	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	H
1R35-T-203	XFR-HTR SPACE HTR-BUS	248-2	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	38+	F4	CS	H
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	3/29/74	SAT	8	F	CS,HS	H
1R42-BC-B1	125VOLT BATTERY CHARGE	118	ED	SOLIDSTATE	025	YES	3/29/74	SAT	8	F	CS,HS	H
1R42-BC-C1	125VOLT BATTERY CHARGE	118	ED	SOLIDSTATE	025	YES	3/29/74	SAT	8	F	CS,HS	H
1R42-PNL-A1	125 VDC DIST PANEL BUS	124-2	ED	SYSTEM CONT	025	YES	15074	SAT	21	F	CS,HS	H
1R42-PNL-A2	125 VDC DIST PANEL BUS	124-2	ED	SYSTEM CONT	044	YES	15074	SAT	21	F	CS,HS	H
1R42-PNL-B1	125 VDC DIST PANEL BUS	124-2	ED	SYSTEM CONT	025	YES	15074	SAT	21	F	CS,HS	H
1R42-PNL-B2	125 VDC DIST PANEL BUS	124-2	ED	SYSTEM CONT	044	YES	15074	SAT	21	F	CS,HS	H
1R42-PNL-C1	125 VDC DIST PANEL BUS	124-2	ED	SYSTEM CONT	025	YES	15074	SAT	21	F	CS,HS	H
1R42-PNL-C4	125 VDC DST PNL-BLK-B5	124-2	ED	SYSTEM CONT	025	YES	15074	SAT	21	F	CS,HS	H
1R42-SHG-A1	125 VDC SHG BATTERY BU	95-2	ED	ITE	025	YES	33-51266	HBT	5	F	CS,HS	H
1R42-SHG-B1	125 VDC SHG BATTERY BU	95-2	ED	ITE	025	YES	33-51266	HBT	5	F	CS,HS	H

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G =SORT PAPER COMPLETE
H =COPIES OF DOC TO DISTRIBUTION

REVISION 20 MARCH 1984
NOTE: NUMBER IN
'TYPE HTNG' COLUMN IS
QUANTITY OF ITEMS.

SHOREHAM UNIT 1
JOB NUMBER 1140002
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 03/27/84
RUN TIME 14.47.03
PAGE 8

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ	SAFE HTNG	QUAL SHTDN	STATUS
1R12=SMG-C1	125 VDC SMG BATTERY BU	95-2	ED	ITE	025	YES	33-51264	HBT	5	F	CS,HS	H
1R43=G-101	EMER DIESEL GENERATOR	89	ED	DE LAVAL	025	YES	11001	DA	4	F10	CS,HS	H
1R43=G-102	EMER DIESEL GENERATOR	89	ED	DE LAVAL	025	YES	11001	SAT	4	F10	CS,HS	H
1R43=G-103	EMER DIESEL GENERATOR	89	ED	DE LAVAL	025	YES	11001	SAT	4	F10	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)-134-1A	SA	27	F3	CS	H
1R81=T-012	HT TRACING TRANSFER	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F2	CS,HS	H
1T48=PNL-ACH	PC ATH CNTRL	125-9	CD	RELIANCE	063	YES	99AX400600	SA/SAT	19	F	N	H
1T48=PNL-A2	HYD RECOMBINER CONT CA	289-3	PD	ATONICS INT	063	YES	54591-4	HBT	6	F2	N	H
1T48=RH-25	HYDRO RECOMB CONT CABI	344-2	ED	DELPHI IND	063	YES	1035-5	SA/SAT	29	F2	N	H
1T48=RH-26	HYDRO RECOMB CONT CABI	344-2	ED	DELPHI IND	063	YES	1035-5	SA/SAT	29	F2	N	H
1X41=ACU-14	COMP, RELAY&EH SHGR RH	240	PD	BAHNSON CO	044	YES	A-47-75-01	SA	39	F2	CS,HS	H
1X41=DHPF	FIRE DAMPERS	54	PD	AIR BALANCE	044	YES	AB1-SH-009	SAT	94	F30	CS,HS	H
1X41=FN-029	RELAY&EH SHGR RET FN	270-1	PD	BUFFALO FORGE	053	YES	745-11139	SA	26	F2	CS,HS	H
1X41=FN-039	CR CHILL EQUIP RH EXH	270-2	PD	BUFFALO FORGE	067	YES	745-11140A	SA	57	F2	CS,HS	H
1X41=FN-072	BATTERY RH 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	POWERS REG	031	YES	43812-1	HBT	24	F2	CS,HS	H
1X41=FS 017	FN-29 AIR FLOW	319-4	ED	POWERS REG	044	YES	43812-1	HBT	24	F2	CS,HS	H
1X41=HE 021	ACU-14 COOLING CNTRL	319-4	ED	POWERS REG	044	YES	43812-1	HBT	24	F2	CS,HS	H

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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
SAT= SINGLE FREQUENCY
SINGLE AXIAL TESTING

SBT= SINGLE FREQUENCY
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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 03/27/84
RUN TIME 14.47.03
PAGE 9

HARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLOG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ HTNG	SAFE SHTDN	QUAL STATUS
1X41=HIT021	ACU-14 COOLING CNTRL	319-4	ED	POWERS REG	049	YES	43812-1	HBT	24 F2	-CS,HS	H
1X41=HOD031	FN-039 OUTDOOR AIR	319-4	ED	POWERS REG	063	YES	43812-1	HBT	24 F2	CS,HS	H
1X41=HOD032	FN-039 EXHAUST AIR	319-4	ED	POWERS REG	064	YES	44540-1	HBT	27 F2	CS,HS	H
1X41=HOD035	ACU-14A DISCHARGE AIR	319-4	ED	POWERS REG	044	YES	43812-1	HBT	24 F2	CS,HS	H
1X41=HOD036	OH FAN FN-29A2 B	319-4	ED	POWERS REG	044	YES	43812-1	HBT	24 F2	CS,HS	H
1X41=HOD039	FN-72 OUTDOOR AIR	319-4	ED	POWERS REG	037	YES	44057-1	HBT	21 F3	CS,HS	H
1X41=HOD040	FN-72 EXHAUST AIR	319-4	ED	POWERS REG	041	YES	44057-1	HBT	21 F3	CS,HS	H
1X41=HOD041	FN-72 RETURN AIR	319-4	ED	POWERS REG	035	YES	44057-1	HBT	21 F3	CS,HS	H
1X41=HOD059	RELAY & CNTR RH TEMP	319-4	MD	POWERS REG	044	YES	44057-1	HBT	21 F2	CS,HS	H
1X41=PNLVC16	VENT CONTROL PANEL	319-3	ED	POWERS REG	025	YES	1001-6	SA/SAT	24 F	N	H
1X41=PNLVC17	VENT CONTROL PANEL	319-3	ED	POWERS REG	025	YES	1001-6	SA/SAT	24 F	N	H
1X41=PNLVC18	VENT CONTROL PANEL	319-3	ED	POWERS REG	025	YES	1001-6	SA/SAT	24 F	N	H
1X41=PNLVC19	VENT CONTROL PANEL	319-3	ED	POWERS REG	025	YES	1001-6	SA/SAT	24 F	CS,HS	H
1X41=PNLVC20	VENT CONTROL PANEL	319-3	ED	POWERS REG	025	YES	1001-6	SA/SAT	24 F	CS,HS	N
1X41=PNLVC21	VENT CONTROL PANEL	319-3	ED	POWERS 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 018	FN-72 DAMPER CONTROL	319-4	ED	POWERS 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=TIS031	FN-39 CONTROL	319-4	ED	POWERS REG	068	YES	43812-1	HBT	24 F2	CS,HS	H
1X41=TT-001	RH TEMP IND	319-4	ED	POWERS REG	025	YES	43812-1	HBT	24 F2	N	H

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BIAXIAL TESTING
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SINGLE AXIAL TESTING

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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 03/27/84
RUN TIME 14.47.03
PAGE 10

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLOG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ	MTNG	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
1X40=FN-028	DIESEL GEN RH SUPPLY F	270-4	PD	BUFFALO FORGE	040	YES	745-11138	SA	20	F3	CS,HS	H
1X40=HOD031	FN-28 OUTDOOR AIR	319-4	ED	POWERS REG	038	YES	44057-1	HBT	21	F3	CS	H
1X40=HOD032	FN-39 HOT DAMPER	319-4	ED	POWERS REG	030	YES	44057-1	HBT	21	F3	CS	H
1X40=HOD033	FN-28 RETURN AIR	319-4	ED	POWERS REG	038	YES	44057-1	HBT	21	F3	CS	H
1X40=PNLVC13	VENT CONTROL PANEL	319-3	ED	POWERS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X40=PNLVC14	VENT CONTROL PANEL	319-3	ED	POWERS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X40=PNLVC15	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	BAHNSON CO	063	YES	A-97-75-01	SA	39	F2	CS,HS	H
1X61=AOD037	CNTRL 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	CNTRL 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=OHPPF	FIRE DAMPERS	54	PD	AIR BALANCE	063	YES	AB1-SM-009	SAT	9+	F8	CS,HS	H

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STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (218 ITEMS)
15-316

RUN DATE 03/27/89
RUN TIME 14.47.03
PAGE 11

HARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ	HTNG	SAFE SHTDN	QUAL STATUS
1X61wFLT-02	CRAC FILTER TRAINS	105-1	PD	FARR CO	063	YES	D-56302	SA/SAT	17	F2	CS,H9	H
1X61wFN-025	CONTROL ROOM BOOSTER F	102-2	PJ	BUFFALO FORGE	063	YES	745-4234A	SA	27	F2	CS,H9	H
1X61wFS 011	FN-25 CNTRL	319-4	ED	POWERS REG	063	YES	43812-1	HBT	24	F2	CS,H9	H
1X61wFS 012	ACU-7 AIR FLOW	319-4	ED	POWERS REG	063	YES	43812-1	HBT	24	F3	CS,H9	H
1X61wHS 038	1X61wAOV038 CONTROL	319-4	ED	POWERS REG	066	YES	43812-1	HBT	24	F2	CS,H9	H
1X61wHE-021	ACU-7 CNTRL	319-4	ED	POWERS REG	063	YES	43812-1	HBT	24	F2	CS,H9	H
1X61wHOD033	FN-25 DISCH AIR	319-4	ED	POWERS REG	063	YES	44540-1	HBT	27	F2	N	H
1X61wHOD034	ACU-7 DISCHARGE AIR	319-4	ED	POWERS REG	063	YES	43812-1	HBT	24	F2	CS,H9	H
1X61wHOV031	CNTRL RH ISOL	111-2	PD	FISHER	063	YES	CD75-35	SA/SAT	22+	P2	CS	H
1X61wHOV032	CNTRL RH ISOL	111-2	PD	FISHER	063	YES	CD75-35	SA/SAT	22+	P2	CS	H
1X61wTCV021	ACU-7A COOLING UNIT	310-2	CD	FISHER CONT.	071	YES	2-24451	SA	25	P2	CS	H
1X61wTE 021	ACU COOLING CONT	406-1	CD	ROSEMOUNT	067	YES	2767	SAT	35+	F2	CS,H9	H
1293wTHU502	TRIP/CALIB UNIT	406-5	CD	ROSEMOUNT	063	YES	127531	SAT	57+	F4	CS	H
1295wENC5X1	SXS ENCLOSURE	125-10	CD	RELIANCE	044	YES	99AX400827	SA	61	F	N	H
1295wENC5X2	SXS ENCLOSURE	125-10	CD	RELIANCE	044	YES	99AX400827	SA	61	F	N	H
1295wENC5X3	SXS ENCLOSURE	125-10	CD	RELIANCE	044	YES	99AX400827	SA	61	F	N	H
1297wPMLER1	MULTIPLEX CAB	125-11	CD	RELIANCE	044	YES	99AX401437	SA	14	F	N	H
1297wPMLER2	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 03/27/84
RUN TIME 14.48.34
PAGE 1

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
1821#HOV031	3/1	SR-6060	88V-2	PC	2.4	.8	LIHITORQUE	SHB-00-10	H	H
1821#HOV032	3/1	SR-6060	88V-2	SC	3.5	1.4	LIHITORQUE	SHB-000-5 *	H	H
1821#HOV034	3	SR-6060	88V-2	SC	1.4	1.9	LIHITORQUE	SHB-00-7.5	H	H
1821#HOV035A	20/1	20-1500GL09	88AD-11	SC	2.8	1.1	LIHITORQUE	SHB-1-40	H	H
1821#HOV035B	20/1	20-1500GL09	88AD-11	SC	3.9	2.2	LIHITORQUE	SHB-1-40	H	H
1821#HOV061	2/1	SR-6188	253-1	SC	2.0	1.1	LIHITORQUE	SHB-00-10	H	H
1821#HOV062	2/1	SR-6188	253-1	SC	1.5	1.7	LIHITORQUE	SHB-00-10	H	H
1821#HOV063	2/1	SR-6188	253-1	SC	2.1	1.3	LIHITORQUE	SHB-00-10	H	H
1821#HOV064	2/1	SR-6188	253-1	SC	2.0	1.3	LIHITORQUE	SHB-00-10	H	H
1821#HOV068A	2/1	SR-6188	253-1	SC	1.6	1.0	LIHITORQUE	SHB-000-5	H	H
1821#HOV068B	2/1	SR-6188	253-1	SC	1.6	1.8	LIHITORQUE	SHB-000-5	H	H
1821#HOV068C	2/1	SR-6188	253-1	SC	1.9	1.0	LIHITORQUE	SHB-000-5	H	H
1821#HOV068D	2/1	SR-6188	253-1	SC	1.5	1.2	LIHITORQUE	SHB-000-5	H	H
1821#HOV083	2/1	SR-6188	253-1	PC	3.0	2.8	LIHITORQUE	SHB-000-5	H	H
1821#HOV084	2/1	SR-6188	253-1	PC	4.9	2.0	LIHITORQUE	SHB-000-5	H	H
1821#HOV085	2/1	SR-6188	253-1	PC	4.3	1.9	LIHITORQUE	SHB-000-5	H	H
1821#SOV313A	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1821#SOV313B	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1821#SOV314A	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-

QUALIFICATION MILESTONES

NOTES

REVISION 20 MARCH 1984

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

SHOREHAM T 1
JOB NUMBER 1140002
LILCO DOCKET 50-322

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STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)
19-316

RUN DATE 03/27/84
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PAGE 2

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			YOHE	OPER
1821-SOV314B	.75	HS265483271	310979	SC	1.5	1.3			H	-
1831-AOV081	.75	10.3.115	318-1	PC	6.9	3.0	COPEX	D-100-60	H	H
1831-AOV082	.75	10.3.115	318-1	SC	1.5	1.3	COPEX	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	-
1011-MOV032A	1	SR-6190	253-3	PC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1011-MOV032B	1	SR-6190	253-3	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1011-MOV033A	1	SR-6190	253-3	PC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1011-MOV033B	1	SR-6190	253-3	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1E11-AOV041A	.75	10.3.115	318-5	SC	2.3	.7	COPEX	D-100-60	H	H
1E11-AOV041B	.75	10.3.115	318-5	SC	2.3	.7	COPEX	D-100-60	H	H
1E11-AOV042A	.75	10.3.115	318-5	SC	2.3	.7	COPEX	D-100-60	H	H
1E11-AOV042B	.75	10.3.115	318-5	SC	2.3	.7	COPEX	D-100-60	H	H
1E11-MOV031A	20	ES036-1.2	88AD-7	SC	6.8	1.1	LIMITORQUE	SHB-0-40	H	H
1E11-MOV031B	20	ES036-1.2	88AD-7	SC	4.6	.7	LIMITORQUE	SHB-0-40	H	H
1E11-MOV031C	20	ES036-1.2	88AD-7	SC	7.6	.5	LIMITORQUE	SHB-0-40	H	H
1E11-MOV031D	20	ES036-1.2	88AD-7	SC	4.4	.9	LIMITORQUE	SHB-0-40	H	H
1E11-MOV032A	20	ES036-1.2	88AD-7	SC	5.1	1.8	LIMITORQUE	SHB-0-40	H	H
1E11-MOV032B	20	ES036-1.2	88AD-7	SC	2.8	2.7	LIMITORQUE	SHB-0-40	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 20 MARCH 1984

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- 2/1 = 2 IN. CLASS 1

SHOREHAM UNL. -
JOB NUMBER 1140002
LILCO DOCKET 50-322

STONE & WEBSTER ENG., -ERING CORPORATION
REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)

RUN DATE 03/27/84
RUN TIME 14.48.34
PAGE 3

15-316

1 MASH NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	6 OPERATOR	7 SUPPLIER	8 MODEL NO.	9 HOR	10 VER	11 YONE	12 OPER
1E11eH0V032C	20	E5834-1,2	88AD-7	SC	5.4	6.7	LIMITORQUE	518-0-40	M	M	M
1E11eH0V032D	20	E5834-1,2	88AD-7	SC	2.6	3.9	LIMITORQUE	518-0-40	M	M	M
1E11eH0V033A	16	SR-4266	88V-20	SC	2.9	1.4	LIMITORQUE	518-1-60	M	M	M
1E11eH0V033B	16	SR-4266	88V-20	SC	2.9	2.1	LIMITORQUE	518-1-60	M	M	M
1E11eH0V034A	18	18-300A	88AD-6	SC	2.0	1.7	LIMITORQUE	518-3-150	M	M	M
1E11eH0V034B	18	18-300A	88AD-6	SC	1.9	1.5	LIMITORQUE	518-3-150	M	M	M
1E11eH0V035A	16	SR-4266	88V-20	SC	2.4	1.6	LIMITORQUE	518-1-60	M	M	M
1E11eH0V035B	16	SR-4266	88V-20	SC	3.1	2.3	LIMITORQUE	518-1-60	M	M	M
1E11eH0V036A	24	E5834-19	88AD-10	SC	3.8	3.0	LIMITORQUE	518-4-200	M	M	M
1E11eH0V036B	24	E5834-19	88AD-10	SC	6.6	2.1	LIMITORQUE	518-4-200	M	M	M
1E11eH0V037A	24/1	2422900GT07	88AD-9	SC	5.5	4.6	LIMITORQUE	518-4-200	M	M	M
1E11eH0V037B	24/1	2422900GT07	88AD-9	SC	4.2	4.4	LIMITORQUE	518-4-200	M	M	M
1E11eH0V038A	10	E5834-20	88AD-2	SC	5.7	1.3	LIMITORQUE	518-2-60	M	M	M
1E11eH0V038B	10	E5834-20	88AD-2	SC	3.5	1.2	LIMITORQUE	518-2-60	M	M	M
1E11eH0V039A	10	SR-6082	88V-16	SC	6.8	2.3	LIMITORQUE	518-0-25	M	M	M
1E11eH0V039B	10	SR-6082	88V-16	SC	4.4	3.6	LIMITORQUE	518-0-25	M	M	M
1E11eH0V040A	16	SR-4266	88V-20	SC	9.7	7.9	LIMITORQUE	518-1-60	M	M	M
1E11eH0V040B	16	SR-4266	88V-20	SC	7.9	3.5	LIMITORQUE	518-1-60	M	M	M
1E11eH0V041A	6	SR-4177	88V-6	SC	2.0	1.4	LIMITORQUE	518-00-15	M	M	M

REVISION 20

QUALIFICATION MILESTONES

NOTES

MARCH 1984

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- H - COPIES OF DOC TO DISTRIBUTION

SHOREHAM UNIT 1
JOB NUMBER 1140002
LILCO DOCKET 50-322

RRPH LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY 1 PIPE MOUNTED EQUIPMENT
ROP QUALIFICATION LEVEL (393 ITEMS)
IS-316

RUN DATE 03/27/89
RUN TIME 14.48.34
PAGE 4

1 MARK NUMBER	2 PIPE SIZE	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		6 OPERATOR	7 QUAL STATUS
				HOR	VER		
1E11aHOV0410	6	88V-6	SC	8.5	3.1	LIMITORQUE	SB-00-15
1E11aHOV042A	16	88AD-5	SC	4.0	5.1	LIMITORQUE	SB-3-80
1E11aHOV042B	16	88AD-5	SC	3.1	4.2	LIMITORQUE	SB-3-80
1E11aHOV043A	4	88V-4	SC	1.1	.5	LIMITORQUE	SB-00-15
1E11aHOV043B	4	88V-4	SC	1.4	.9	LIMITORQUE	SB-00-15
1E11aHOV044A	4	88V-4	SC	1.2	.9	LIMITORQUE	SB-00-15
1E11aHOV044B	4	88V-4	SC	1.4	1.3	LIMITORQUE	SB-00-15
1E11aHOV045A	4	88V-4	SC	1.4	.4	LIMITORQUE	SB-000-5
1E11aHOV045B	4	88V-4	SC	1.4	.6	LIMITORQUE	SB-000-5
1E11aHOV047	20/1	88AD-8	PC	6.0	3.2	LIMITORQUE	SB-2-60
1E11aHOV048	20/1	88AD-8	SC	3.6	3.0	LIMITORQUE	SB-2-60 *
1E11aHOV049	10	88V-12	SC	2.5	2.0	LIMITORQUE	SB-2-80
1E11aHOV050	20	88V-15	SC	8.6	3.9	LIMITORQUE	SB-2-60
1E11aHOV051	4	88V-4	SC	1.1	1.0	LIMITORQUE	SB-00-7 1/2 *
1E11aHOV052	4	88V-4	SC	1.6	1.2	LIMITORQUE	SB-00-10
1E11aHOV053	4	88V-11	SC	4.6	2.9	LIMITORQUE	SB-00-10 *
1E11aHOV054	4/1	88V-11	PC	4.6	1.5	LIMITORQUE	SB-00-15
1E11aHOV055A	1	253-3	SC	2.3	.7	LIMITORQUE	SB-000-2
1E11aHOV055B	1	253-3	SC	2.3	.7	LIMITORQUE	SB-000-

SHOREHAM 1
 BPPN LIST
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STONE & WEBSTER ENGINEERING CORPORATION
 REACTOR BUILDING CATEGORY 1 PIPE MOUNTED EQUIPMENT
 BOP QUALIFICATION LEVEL (393 ITEMS)
 15-316

RUN DATE 03/27/84
 RUN TIME 18.48.34
 PAGE 5

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	6 OPERATOR		7 QUAL STATUS
					SUPPLIER	MODEL NO.	
1E11aH0V54A	1	SR-6190	253-3	SC	LIMITORQUE	SRB-000-2	M H
1E11aH0V54B	1	SR-6190	253-3	SC	LIMITORQUE	SRB-000-2	M H
1E11aH0V57A	1	SR-6190	253-3	SC	LIMITORQUE	SRB-000-2	M H
1E11aH0V57B	1	SR-6190	253-3	SC	LIMITORQUE	SRB-000-2	M H
1E11aPCV003A	10	10.3.115	318-2	SC	COPEIS	0-100-140	M H
1E11aPCV003B	10	10.3.115	318-2	SC	COPEIS	0-100-140	M H
1E11aPCV007A	4	10.3.115	318-5	SC	COPEIS	0-100-100	M H
1E11aPCV007B	4	10.3.115	318-5	SC	COPEIS	0-100-100	M H
1E11aRV151A	1	502644	191	SC	---	---	M H
1E11aRV151B	1	502644	191	SC	---	---	M H
1E11aRV151C	1	502644	191	SC	---	---	M H
1E11aRV151D	1	502644	191	SC	---	---	M H
1E11aRV152A	4	502644	191	SC	---	---	M H
1E11aRV152B	4	502644	191	SC	---	---	M H
1E11aRV153A	1	502644	191	SC	---	---	M H
1E11aRV153B	1	502644	191	SC	---	---	M H
1E11aRV154	1	502644	191	SC	---	---	M H
1E11aRV155	2	502644	191	SC	---	---	M H
1E11aRV162A	1	502644	191	SC	---	---	M H

QUALIFICATION HILESTONES

NOTES

REVISION 20 MARCH 1984

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SHOREHA. 1
JOB NUMBER 1140002
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)
IS-314

RUN DATE 03/27/84
RUN TIME 14.48.34
PAGE 6

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.	YONE	OPER
1E11wRV142B	1	502644	191	SC	1.5	1.3	—	—	H	—
1E11wRV143	.75	502644	191	SC	1.5	1.3	—	—	H	—
1E11wRV144	.75	502644	191	SC	1.5	1.3	—	—	H	—
1E11wSOV144A	.75	HR5265403271	310979	SC	1.5	1.3	—	—	H	—
1E11wSOV144B	.75	HR5265403271	310979	SC	1.5	1.3	—	—	H	—
1E11wSOV147A	.75	HR5265403271	310979	SC	1.5	1.3	—	—	H	—
1E11wSOV147B	.75	HR5265403271	310979	SC	1.5	1.3	—	—	H	—
1E11wSOV148	.75	HR5265403271	310979	SC	1.5	1.3	—	—	H	—
1E11wSOV149	.75	HR5265403271	310979	SC	1.5	1.3	—	—	H	—
1E21wMOV031A	14	E5034-7	88AD-3	SC	2.4	2.0	LIHITORQUE	SHB-000-5	H	H
1E21wMOV031B	14	E5034-7	88AD-3	SC	2.0	.3	LIHITORQUE	SHB-000-5	H	H
1E21wMOV033A	10/1	SR-6259	88V-13	SC	4.9	1.2	LIHITORQUE	SHB-2-80	H	H
1E21wMOV033B	10/1	SR-6259	88V-13	SC	7.6	2.5	LIHITORQUE	SHB-2-80	H	H
1E21wMOV034A	3	SR-6183	88V-1	SC	1.4	.5	LIHITORQUE	SHB-000-5	H	H
1E21wMOV034B	3	SR-6183	88V-1	SC	3.4	1.4	LIHITORQUE	SHB-000-5	H	H
1E21wMOV035A	10	10-300GL	88AD-1	SC	1.0	2.9	LIHITORQUE	SHB-1-40	H	H
1E21wMOV035B	10	10-300GL	88AD-1	SC	1.0	2.9	LIHITORQUE	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	—

QUALIFICATION MILESTONES

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SHOREHAM 1
JOB NUMBER 160002
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)
IS-316

RUN DATE 03/27/84
RUN TIME 14.40.34
PAGE 7

1 HARV 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			YONE	OPER
1E21wRV093A	1.5	502644	191	SC	1.5	1.3	—	—	—	H	—
1E21wRV093B	1.5	502644	191	SC	1.5	1.3	—	—	—	H	—
1E21wRV096A	.75	502644	191	SC	1.5	1.3	—	—	—	H	—
1E21wRV096B	.75	502644	191	SC	1.5	1.3	—	—	—	H	—
1E32wHVO21A	1.5/1	SR-6706	253-4	SC	2.7	1.4	LIHITORQUE		SHC-04-5	H	H
1E32wHVO21B	1.5/1	SR-6706	253-4	SC	3.0	2.1	LIHITORQUE		SHC-04-5	H	H
1E32wHVO21C	1.5/1	SR-6706	253-4	SC	2.7	2.6	LIHITORQUE		SHC-04-5	H	H
1E32wHVO21D	1.5/1	SR-6706	253-4	SC	2.4	1.4	LIHITORQUE		SHC-04-5	H	H
1E32wHVO22A	1.5/2	SR-6706	253-4	SC	2.4	1.4	LIHITORQUE		SHC-04-3	H	H
1E32wHVO22B	1.5/2	SR-6706	253-4	SC	2.1	1.9	LIHITORQUE		SHC-04-3	H	H
1E32wHVO22C	1.5/2	SR-6706	253-4	SC	2.4	3.0	LIHITORQUE		SHC-04-3	H	H
1E32wHVO22D	1.5/2	SR-6706	253-4	SC	2.4	.5	LIHITORQUE		SHC-04-3	H	H
1E32wHVO23A	1.5/2	SR-6706	253-4	SC	2.3	.7	LIHITORQUE		SHC-04-3	H	H
1E32wHVO23B	1.5/2	SR-6706	253-4	SC	2.3	.7	LIHITORQUE		SHC-04-3	H	H
1E32wHVO23C	1.5/2	SR-6706	253-4	SC	2.3	.7	LIHITORQUE		SHC-04-3	H	H
1E32wHVO23D	1.5/2	SR-6706	253-4	SC	2.3	.7	LIHITORQUE		SHC-04-3	H	H
1E32wHVO24	2/2	SR-6188	253-1	SC	5.7	2.4	LIHITORQUE		SHB-000-5	H	H
1E32wHVO25	2/2	SR-6188	253-1	SC	2.3	.7	LIHITORQUE		SHB-000-5	H	H
1E32wHVO26	2/2	SR-6188	253-1	SC	4.2	2.8	LIHITORQUE		SHB-000-5	H	H

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NOTES

REVISION 20

MARCH 1984

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SHOREHAM . 1
BPM LIST
JOB NUMBER 1140002
1-SORT
LILCO DCKET 50-322
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY 1 PIPE MOUNTED EQUIPMENT
ROP QUALIFICATION LEVEL (393 ITEMS)
15-314

RUN DATE 03/27/84
RUN TIME 14.48.34
PAGE 6

1 HARN NUMBER	2 PIPE SIZE	3 SPEC NO.	4 LOC.	5 OPER LOAD-6'S	6 OPERATOR	7 QUAL STATUS	8 TOHE OPER
1E32aOV027	2/2	SR-4188	253-1 SC	2.3 .7	LIMITORQUE	SRB-000-5	M H
1E41aOV081	1	10.3-115	318-5 SC	2.3 .7	COPIES	0-100-60	M H
1E41aOV082	1	10.3-115	318-5 SC	2.3 .7	COPIES	0-100-60	M H
1E41aOV083	1	10.3-115	318-5 SC	2.3 .7	COPIES	0-100-60	M H
1E41aOV-091	1	10.3-115	318-5 SC	2.3 .7	COPIES	0-100-60	M H
1E41aOV095	1	10.3-115	318-5 SC	2.3 .7	COPIES	0-100-60	M H
1E41aOV031	16	SR-6266	88V-20 SC	7.6 2.1	LIMITORQUE	SRB-0-25 *	M H
1E41aOV032	16	SR-6266	88V-20 SC	7.5 1.3	LIMITORQUE	SRB-0-25 *	M H
1E41aOV034	16	SR-6267	88V-18 SC	6.6 1.6	LIMITORQUE	SRB-2-60 *	M H
1E41aOV035	14/1	14900-6705	88A0-4 SC	5.5 2.4	LIMITORQUE	SRB-3-100 *	M H
1E41aOV036	4	SR-4068	88V-11 SC	2.4 1.1	LIMITORQUE	SRB-00-10 *	M H
1E41aOV037	8	SR-4349	88V-22 SC	1.8 .8	LIMITORQUE	SRB-1-25 *	M H
1E41aOV038	18	SR-4262	88V-14 SC	2.6 1.2	LIMITORQUE	SRB-1-40 *	M H
1E41aOV039	2/2	SR-4188	253-1 SC	2.3 .7	LIMITORQUE	SRB-00-5 *	M H
1E41aOV041	18/1	SR-4259	88V-13 PC	1.7 2.8	LIMITORQUE	SRB-3-80	M H
1E41aOV042	18/1	SR-6264	88V-17 SC	2.6 .9	LIMITORQUE	SRB-1-60 *	M H
1E41aOV043	18	SR-6262	88V-14 SC	1.5 .5	LIMITORQUE	SRB-1-60 *	M H
1E41aOV044	18	SR-6270	88V-21 SC	4.4 4.5	LIMITORQUE	SRB-0-15 *	M H
1E41aOV047	1/1	SR-6190	253-3 PC	2.3 2.5	LIMITORQUE	SRB-000-2	M H

QUALIFICATION MILESTONES

NOTES

REVISION 20 MARCH 1984

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SHOREHAM UNIT 1
JOB NUMBER 1160002
LILCO DOCKET 50-322

RBPH LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)
15-316

RUN DATE 03/27/84
RUN TIME 14.48.34
PAGE 9

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
1E91uHOV048	1/1	SR-6190	253-3	SC	1.4	2.7	LIHITORQUE		SHB-000-2u	H	H
1E91uHOV049	2/2	SR-6188	253-1	SC	3.9	1.4	LIHITORQUE		SHB-000-2u	H	H
1E91uPCV142	2/2	2-24451	310-2	SC	2.3	.7	BECK		14-101-E9	H	H
1E91uRV145	.75	502644	191	SC	1.5	1.3	---		---	H	-
1E91uRV146	1.3	502644	191	SC	1.5	1.3	---		---	H	-
1E91uRV147	1.25	502644	191	SC	1.5	1.3	---		---	H	-
1E91uRV149	.75	502644	191	SC	1.5	1.3	---		---	H	-
1E51uAOV081	1	10.3.118	318-5	SC	2.3	.7	COPE3		D-100-60	H	H
1E51uAOV082	1	10.3.115	318-5	SC	2.3	.7	COPE3		D-100-60	H	H
1E51uAOV083	1	10.3.115	318-5	SC	2.3	.7	COPE3		D-100-60	H	H
1E51uLCV091	1	10.3.115	318-5	SC	2.3	.7	COPE3		D-100-60	H	H
1E51uLCV095	1	10.3.115	318-5	SC	2.3	.7	COPE3		D-100-60	H	H
1E51uHOV031	4	SR-6177	88V-6	SC	6.2	1.7	LIHITORQUE		SHB-00-5 u	H	H
1E51uHOV032	4	SR-6177	88V-6	SC	6.5	.6	LIHITORQUE		SHB-00-5 u	H	H
1E51uHOV034	4	SR-6068	88V-11	SC	1.2	1.7	LIHITORQUE		SHB-00-10 u	H	H
1E51uHOV035	6/1	SR-6574	88V-5	SC	2.5	4.7	LIHITORQUE		SHB-00-25 u	H	H
1E51uHOV036	2/2	SR-6188	253-1	SC	.9	.7	LIHITORQUE		SHB-000-5 u	H	H
1E51uHOV037	4	SR-6068	88V-11	SC	1.2	.7	LIHITORQUE		SHB-00-10 u	H	H
1E51uHOV038	2/2	SR-6188	253-1	SC	1.3	.5	LIHITORQUE		SHB-000-5 u	H	H

QUALIFICATION MILESTONES

NOTES

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SHOREMAN / 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 03/27/84
RUN TIME 14.48.34
PAGE 10

1 HARK 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
1E51aHOV041	3/1	SR-6060	88V-2	PC	2.0	2.7	LIMITORQUE	SHB-00-10	H	H
1E51aHOV042	3/1	SR-6060	88V-2	SC	1.6	1.5	LIMITORQUE	SHB-00-7 1/2	H	H
1E51aHOV043	3	SR-6060	88V-2	SC	.7	.3	LIMITORQUE	SHB-00-7 1/2	H	H
1E51aHOV045	8	SR-6078	88V-10	SC	4.5	7.1	LIMITORQUE	SHB-000-5	H	H
1E51aHOV046	2/2	SR-6188	253-1	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1E51aHOV047	1/1	SR-6777	253-3	PC	1.4	7.5	LIMITORQUE	SHB-000-2	H	H
1E51aHOV048	1/1	SR-6190	253-3	SC	1.1	1.9	LIMITORQUE	SHB-000-2	H	H
1E51aHOV049	1.5/2	SR-6189	253-2	SC	2.6	.6	LIMITORQUE	SHB-000-2	H	H
1E51aPCV142	2/2	2-24451	310-2	SC	1.8	.8	BECH	14-101-DBQ	H	H
1E51aRV 145	.75	502644	191	SC	1.5	1.3	—	—	H	—
1E51aRV 146	.75	502644	191	SC	2.6	1.6	—	—	H	—
1E51aRV 147	1.25	502644	191	SC	1.5	1.3	—	—	H	—
1E51aRV 149	.75	502644	191	SC	1.5	1.3	—	—	H	—
1G11aHOV246	4	SR-6180	88V-4	SC	4.3	2.7	LIMITORQUE	SHB-000-5	H	H
1G11aHOV247	4	SR-6180	88V-4	SC	3.6	5.9	LIMITORQUE	SHB-000-5	H	H
1G11aHOV248	3	SR-6183	88V-1	SC	1.7	1.3	LIMITORQUE	SHB-000-5	H	H
1G11aHOV249	3	SR-6183	88V-1	SC	2.5	1.1	LIMITORQUE	SHB-000-5	H	H
1G11aHOV639	3	SR-6477	88V-24	SC	.9	.5	LIMITORQUE	SHB-000-5	H	H
1G33aHOV030A	4/1	SR-6068	88V-11	PC	3.6	2.4	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)
IS-314

RUN DATE 03/27/84
RUN TIME 14.48.34
PAGE 11

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
1G33#HOV030B	4/1	SR-6060	88V-11	PC	7.4	3.3	LIMITORQUE	SMB-00-15	H	H
1G33#HOV031	4/1	SR-6101	88V-8	PC	5.5	2.5	LIMITORQUE	SMB-0-40	H	H
1G33#HOV032	4/1	SR-6060	88V-11	PC	6.5	1.4	LIMITORQUE	SMB-00-10	H	H
1G33#HOV033	4/1	SR-6101	88V-8	PC	8.0	.4	LIMITORQUE	SMB-00-25	H	H
1G33#HOV034	4/1	SR-6101	88V-8	SC	4.6	2.4	LIMITORQUE	SMB-00-15 *	H	H
1G33#HOV035	4	SR-6353	88V-23	SC	1.3	.8	LIMITORQUE	SMB-0-15	H	H
1G33#HOV036	4	SR-6353	88V-23	SC	.9	.5	LIMITORQUE	SMB-0-15	H	H
1G33#HOV037	4	SR-6353	88V-23	SC	.7	.8	LIMITORQUE	SMB-0-15	H	H
1G33#HOV038	4	SR-6060	88V-11	SC	.7	.7	LIMITORQUE	SMB-00-15	H	H
1G33#HOV039	4	SR-6060	88V-11	SC	.6	.6	LIMITORQUE	SMB-00-15	H	H
1G33#HOV040	4	SR-6353	88V-23	SC	1.6	1.0	LIMITORQUE	SMB-0-15	H	H
1G33#HOV041	4/1	SR-6574	88V-3	SC	5.1	3.9	LIMITORQUE	SMB-1-25	H	H
1G33#RV093	.75	502694	191	SC	1.5	1.3	—	—	H	—
1G33#RV095A	.75	502694	191	SC	1.5	1.3	—	—	H	—
1G33#RV095B	.75	502694	191	SC	1.5	1.3	—	—	H	—
1G41#HOV032A	6	1091-1	203	SC	1.3	1.5	LIMITORQUE	SMB-00-10	H	H
1G41#HOV032B	6	1091-1	203	SC	1.1	1.0	LIMITORQUE	SMB-00-10	H	H
1G41#HOV033A	6	SR-6177	88V-6	SC	1.1	1.0	LIMITORQUE	SMB-000-5	H	H
1G41#HOV033B	6	SR-6177	88V-6	SC	1.2	.8	LIMITORQUE	SMB-000-5	H	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 03/27/84
RUN TIME 14.46.34
PAGE 12

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
1G41uHOV034A	10	SR-6082	88V-16	SC	4.9	1.1	LIMITORQUE	SHB-0-7 1/2	H	H
1G41uHOV034B	10	SR-6082	88V-16	SC	1.8	.5	LIMITORQUE	SHB-0-7 1/2	H	H
1G41uRV019A	1	502644	191	SC	1.5	1.3	—	—	H	—
1G41uRV019B	1	502644	191	SC	1.5	1.3	—	—	H	—
1G41uRV024	1	502644	191	SC	1.5	1.3	—	—	H	—
1G41uRV025	1	502644	191	SC	1.5	1.3	—	—	H	—
1P41uHOV033A	20	D-0034-8	197-1	SC	.7	.6	LIMITORQUE	H2BC/SHB0010	H	H
1P41uHOV033B	20	D-0034-8	197-1	SC	.9	.7	LIMITORQUE	H2BC/SHB0010	H	H
1P41uHOV033C	20	D-0034-5	197-1	SC	.8	.4	LIMITORQUE	H2BC/SHB0005	H	H
1P41uHOV033D	20	D-0034-5	197-1	SC	1.1	.7	LIMITORQUE	H2BC/SHB0005	H	H
1P41uHOV034A	20	D-0034-8	197-1	SC	.8	.7	LIMITORQUE	H2BC/SHB010	H	H
1P41uHOV034B	20	D-0034-8	197-1	SC	.1	.1	LIMITORQUE	H2BC/SHB010	H	H
1P41uHOV037A	14	D-0034-2	197-2	SC	.5	.6	LIMITORQUE	H2BC/SHB005	H	H
1P41uHOV037B	14	D-0034-2	197-2	SC	1.0	.7	LIMITORQUE	H2BC/SHB005	H	H
1P41uHOV039A	1/3	1891-1	203	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1P41uHOV039B	1/3	1891-1	203	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1P41uHOV042A	4	D-0034-9	197-3	SC	1.1	1.8	LIMITORQUE	H0BC/SHB002	H	H
1P41uHOV042B	4	D-0034-9	197-3	SC	1.0	1.0	LIMITORQUE	H0BC/SHB002	H	H
1P41uHOV043	1/3	1891-1	203	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H

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JOB NUMBER 1140002
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 03/27/84
RUN TIME 14.48.34
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.	YONE	OPER
1P41-HOV102A	1/3	1891-1	203	SC	2.3	.7	LIHITORQUE	SIB-000-2	H	H
1P41-HOV102B	1/3	1891-1	203	SC	2.3	.7	LIHITORQUE	SIB-000-2	H	H
1P41-HOV129A	10	15438	281	SC	1.0	1.3	LIHITORQUE	HIBC/SIB0002	H	H
1P41-HOV129B	10	15438	281	SC	1.3	1.5	LIHITORQUE	HIBC/SIB0002	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-HOV031A	8	SR-6186	88V-9	SC	1.2	.3	LIHITORQUE	SIB-000-5	H	H
1P42-HOV031B	8	SR-6186	88V-9	SC	1.3	.4	LIHITORQUE	SIB-000-5	H	H
1P42-HOV032A	8	SR-6186	88V-9	SC	1.1	1.5	LIHITORQUE	SIB-000-5	H	H
1P42-HOV032B	8	SR-6186	88V-9	SC	1.0	1.2	LIHITORQUE	SIB-000-5	H	H
1P42-HOV033A	6	SR-6199	88V-7	SC	.6	1.0	LIHITORQUE	SIB-000-5	H	H
1P42-HOV033B	6	SR-6199	88V-7	SC	.7	.9	LIHITORQUE	SIB-000-5	H	H
1P42-HOV034A	6	SR-6199	88V-7	SC	1.1	1.3	LIHITORQUE	SIB-000-5	H	H
1P42-HOV034B	6	SR-6199	88V-7	SC	1.3	1.0	LIHITORQUE	SIB-000-5	H	H

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JOB NUMBER 1140002
LILCO COCKET 50-322

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REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)
IS-316

RUN DATE 03/27/84
RUN TIME 14.46.34
PAGE 14

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	6 OPER LOMO-G'S	7 OPER VER	8 SUPPLIER	9 MODEL NO.	10 YONE	11 OPER
1P42#MOV035	4	SR-4180	88V-4	SC	4.6	3.8	LIMITORQUE	SHB-000-5	M	M
1P42#MOV036	4	SR-4180	88V-4	SC	4.6	2.3	LIMITORQUE	SHB-000-5	M	M
1P42#MOV031A	14	SR-4265	88V-19	SC	3.3	2.3	LIMITORQUE	SHB-0-25	M	M
1P42#MOV031B	14	SR-4265	88V-19	SC	2.4	2.7	LIMITORQUE	SHB-0-25	M	M
1P42#MOV042A	14	SR-4265	88V-19	SC	2.0	2.2	LIMITORQUE	SHB-0-25	M	M
1P42#MOV042B	14	SR-4265	88V-19	SC	2.5	1.9	LIMITORQUE	SHB-0-25	M	M
1P42#MOV043A	8	SR-6186	88V-9	SC	.8	.4	LIMITORQUE	SHB-000-5	M	M
1P42#MOV043B	8	SR-6186	88V-9	SC	2.6	.5	LIMITORQUE	SHB-000-5	M	M
1P42#MOV044A	8	SR-6186	88V-9	SC	1.0	.5	LIMITORQUE	SHB-000-5	M	M
1P42#MOV044B	8	SR-6186	88V-9	SC	2.1	1.0	LIMITORQUE	SHB-000-5	M	M
1P42#MOV047	4	SR-6180	88V-4	SC	3.7	4.2	LIMITORQUE	SHB-000-5	M	M
1P42#MOV048	4	SR-6180	88V-4	SC	4.0	3.1	LIMITORQUE	SHB-000-5	M	M
1P42#MOV147	4	SR-6180	88V-4	PC	4.9	4.5	LIMITORQUE	SHB-000-5	M	M
1P42#MOV148	4	SR-6180	88V-4	PC	4.2	1.0	LIMITORQUE	SHB-000-5	M	M
1P42#MOV231	4	SR-6180	88V-4	SC	1.8	.9	LIMITORQUE	SHB-000-5	M	M
1P42#MOV232	3	SR-6183	88V-1	SC	5.2	9.9	LIMITORQUE	SHB-000-5	M	M
1P42#MOV233	3	SR-6183	88V-1	SC	5.9	7.4	LIMITORQUE	SHB-000-5	M	M
1P42#MOV234	3	SR-6183	88V-1	SC	5.6	8.9	LIMITORQUE	SHB-000-5	M	M
1P42#MOV235	3	SR-6183	88V-1	SC	5.9	7.7	LIMITORQUE	SHB-000-5	M	M

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SHOREHAM
JOB NUMBER 140002
LILCO DOCKET 50-322

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REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
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IS-316

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PAGE 15

1 HARN NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	TOKE	OPER
1P42*H0V236	4	SR-6180	88V-4	SC	6.0	3.3	LIMITORQUE	SHB-000-5	H	H
1P42*H0V237	3	SR-6183	88V-1	SC	4.3	2.2	LIMITORQUE	SHB-000-5	H	H
1P42*H0V238	3	SR-6183	88V-1	SC	5.0	2.0	LIMITORQUE	SHB-000-5	H	H
1P42*H0V239	3	SR-6183	88V-1	SC	8.7	4.9	LIMITORQUE	SHB-000-5	H	H
1P42*H0V240	3	SR-6183	88V-1	SC	1.4	1.4	LIMITORQUE	SHB-000-5	H	H
1P42*PCV071	4	10.3.115	310-5	SC	1.0	.4	COPEB	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	4.9	3.0	—	—	H	—
1P42*RV091B	1	502644	191	PC	4.9	3.0	—	—	H	—
1P42*RV291A	.75	502644	191	PC	4.9	3.0	—	—	H	—
1P42*RV291B	.75	502644	191	PC	4.9	3.0	—	—	H	—
1P42*TCV001W	12	CD76-82	423-2	SC	1.1	1.1	FISHER	454-60	H	H
1P42*TCV001X	10	CD76-82	423-3	SC	.9	2.3	FISHER	454-60	H	H
1P42*TCV001Y	12	CD76-82	423-2	SC	1.9	.4	FISHER	454-60	H	H

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SHOREHA 1
JOB NUMBER 1140002
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-314

RUN DATE 03/27/84
RUN TIME 14.48.34
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.	YONE	OPER
1P42*TCV001Z	10	C074-82	423-3	SC	2.0	2.1	FISHER	454-60	H	H
1P50*HOV103A	1.5/2	SR-6189	214-1	SC	2.3	.7	LIHITORQUE	SHB-000-5	H	H
1P50*HOV103B	1.5/2	SR-6189	214-1	SC	2.3	.7	LIHITORQUE	SHB-000-5	H	H
1P50*HOV104	1	SR-6190	214-3	SC	2.3	.7	LIHITORQUE	SHB-000-2	H	H
1P50*HOV105A	1.5/2	SR-6189	214-1	PC	2.3	.7	LIHITORQUE	SHB-000-5	H	H
1P50*HOV105B	1.5/2	SR-6189	214-1	PC	2.3	.7	LIHITORQUE	SHB-000-5	H	H
1P50*HOV106	1	SR-6190	214-3	SC	2.3	.7	LIHITORQUE	SHB-000-2	H	H
1P50*HOV113A	1	SR-6189	214-1	SC	2.3	.7	LIHITORQUE	SHB-000-5	H	H
1P50*HOV113B	1	SR-6189	214-1	SC	2.3	.7	LIHITORQUE	SHB-000-5	H	H
1P50*HOV114A	1	SR-6189	214-1	SC	2.3	.7	LIHITORQUE	SHB-000-5	H	H
1P50*HOV114B	1	SR-6189	214-1	SC	2.3	.7	LIHITORQUE	SHB-000-5	H	H
1T23*HOV031A	.5	SR-6341	214-2	SC	2.3	.7	LIHITORQUE	SHB-000-2	H	H
1T23*HOV031B	.5	SR-6341	214-2	SC	2.3	.7	LIHITORQUE	SHB-000-2	H	H
1T23*RV021A	.75	502644	191	SC	1.5	1.3	—	—	H	—
1T23*RV021B	.75	502644	191	SC	1.5	1.3	—	—	H	—
1T24*AOV001A	4	10.3.151	318-7	SC	4.8	3.4	COPE3	D-100-100	H	H
1T24*AOV001B	4	10.3.151	318-7	SC	2.9	3.7	COPE3	D-100-100	H	H
1T24*AOV004A	4	10.3.151	318-7	SC	1.8	1.1	COPE3	D-100-100	H	H
1T24*AOV004B	4	10.3.151	318-7	SC	3.0	2.0	COPE3	D-100-100	H	H

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REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)
IS-316

RUN DATE 03/27/84
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PAGE 17

1 HARH 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-H3	H	H
1T46-AOV035B	72	R-1062-41	111-3	SC	5.2	.6	BETTIS	T-316 SR2-H3	H	H
1T46-AOV037A	72	CD75-35	111-3	SC	1.0	.7	BETTIS	T-316 SR2-H3	H	H
1T46-AOV037B	72	CD75-35	111-3	SC	.8	.4	BETTIS	T-316 SR2-H3	H	H
1T46-AOV038A	18	4G403	172	PC	1.9	1.5	BETTIS	722C-SR-H3	H	H
1T46-AOV038B	18	4G403	172	SC	1.3	1.3	BETTIS	722C-SR-H3	H	H
1T46-AOV038C	18	4G403	172	SC	1.9	1.5	BETTIS	722C-SR-H3	H	H
1T46-AOV038D	18	4G403	172	SC	1.3	1.3	BETTIS	722C-SR-H3	H	H
1T46-AOV039A	18	4G403	172	PC	1.9	1.5	BETTIS	722C-SR-H3	H	H
1T46-AOV039B	18	4G403	172	SC	1.3	1.3	BETTIS	722C-SR-H3	H	H
1T46-AOV039C	18	4G403	172	SC	4.0	1.6	BETTIS	722C-SR-H3	H	H
1T46-AOV039D	18	4G403	172	SC	2.7	1.4	BETTIS	722C-SR-H3	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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SHOREHAM UN. 1
JOB NUMBER 1140002
LILCO DOCKET 50-322

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REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)
IS-316

RUN DATE 03/27/84
RUN TIME 14.48.34
PAGE 18

1 HARM 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	310-2	SC	1.3	.8	BECK	14-101-E3	H	H
1T46*TCV-024A	4	2-24451	310-2	SC	.9	.6	BECK	14-101-E3	H	H
1T46*TCV-024B	4	2-24451	310-2	SC	1.0	.6	BECK	14-101-E3	H	H
1T46*TCV-025A	4	2-24451	310-2	SC	1.2	.7	BECK	14-101-E3	H	H
1T46*TCV-025B	4	2-24451	310-2	SC	.4	.5	BECK	14-101-E3	H	H
1T46*TCV-026A	4	2-24451	310-2	SC	1.1	.6	BECK	14-101-E3	H	H
1T46*TCV-026B	4	2-24451	310-2	SC	1.0	.6	BECK	14-101-E3	H	H
1T46*TCV-028A	2/3	2-24451	310-2	SC	2.3	.7	BECK	14-101-E3	H	H
1T46*TCV-028B	2/3	2-24451	310-2	SC	2.3	.7	BECK	14-101-E3	H	H
1T46*TCV059A	2/3	2-24451A	310-1	SC	1.0	.1	BECK	14-101-E3	H	H
1T46*TCV059B	2/3	2-24451A	310-1	SC	2.3	.7	BECK	14-101-E3	H	H
1T46*TCV060A	2/3	2-24451A	310-1	SC	.7	.7	BECK	14-101-E3	H	H
1T46*TCV060B	2/3	2-24451A	310-1	SC	2.3	.7	BECK	14-101-E3	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*HQV004	1	SR-6190	253-3	SC	2.3	.7	LIHITORQUE	SMB-000-2	H	H
1T48*HQV031A	6	SR-6177	88V-6	PC	2.9	1.3	LIHITORQUE	SMB-00-5	H	H
1T48*HQV031B	6	SR-6177	88V-6	PC	6.1	1.8	LIHITORQUE	SMB-00-5	H	H
1T48*HQV032A	6	SR-6177	88V-6	PC	6.5	1.8	LIHITORQUE	SMB-00-7 1/2	H	H

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BOP QUALIFICATION LEVEL (393 ITEMS)
IS-316

RUN DATE 03/27/84
RUN TIME 14.48.34
PAGE 19

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
1T48HMOV032B	6	SR-6177	88V-6	PC	5.3	3.2	LIHITORQUE	SHB-00-7 1/2	H	H
1T48HMOV033A	6	SR-6177	88V-6	SC	4.2	1.5	LIHITORQUE	SHB-00-5	H	H
1T48HMOV033B	6	SR-6177	88V-6	SC	4.9	1.3	LIHITORQUE	SHB-00-5	H	H
1T48HMOV034A	6	SR-6177	88V-6	SC	5.8	1.5	LIHITORQUE	SHB-00-7 1/2	H	H
1T48HMOV034B	6	SR-6177	88V-6	SC	3.7	1.3	LIHITORQUE	SHB-00-7 1/2	H	H
1T48HMOV035A	4	SR-6180	88V-4	SC	4.2	2.8	LIHITORQUE	SHB-000-5	H	H
1T48HMOV035B	4	SR-6180	88V-4	SC	4.4	5.7	LIHITORQUE	SHB-000-5	H	H
1T48HMOV037A	6	SR-6177	88V-6	SC	5.7	4.1	LIHITORQUE	SHB-00-7 1/2	H	H
1T48HMOV037B	6	SR-6177	88V-6	SC	4.4	3.0	LIHITORQUE	SHB-00-7 1/2	H	H
1T48HMOV038A	4	SR-6180	88V-4	SC	4.1	2.0	LIHITORQUE	SHB-000-5	H	H
1T48HMOV038B	4	SR-6180	88V-4	SC	5.0	1.9	LIHITORQUE	SHB-000-5	H	H
1T48HMOV040A	6	SR-6177	88V-6	SC	3.9	1.3	LIHITORQUE	SHB-00-7 1/2	H	H
1T48HMOV040B	6	SR-6177	88V-6	SC	4.0	1.5	LIHITORQUE	SHB-00-7 1/2	H	H
1T48HMOV041	4	SR-6180	88V-4	SC	1.3	.7	LIHITORQUE	SHB-000-5	H	H
1T48HMOV042	4	SR-6180	88V-4	SC	1.0	1.3	LIHITORQUE	SHB-000-5	H	H
1T48HMOV043A	4	SR-6180	88V-4	SC	2.9	2.5	LIHITORQUE	SHB-000-5	H	H
1T48HMOV043B	4	SR-6180	88V-4	SC	5.9	2.0	LIHITORQUE	SHB-000-5	H	H
1T48HMOV044A	4	SR-6180	88V-4	SC	6.0	1.9	LIHITORQUE	SHB-000-5	H	H
1T48HMOV044B	4	SR-6180	88V-4	SC	4.9	1.8	LIHITORQUE	SHB-000-5	H	H

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REACTOR BUILDING CATEGORY I PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)
IS-316

RUN DATE 03/27/84
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PAGE 20

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-PCV143A	.25	QTR-745	492	SC	1.5	1.3	—	—	H	—
1T48-PCV143B	.25	QTR-745	492	SC	1.5	1.3	—	—	H	—
1T48-PCV143C	.25	QTR-745	492	SC	1.5	1.3	—	—	H	—
1T48-PCV143D	.25	QTR-745	492	SC	1.5	1.3	—	—	H	—
1T48-PCV144A	.25	QTR-745	492	SC	1.5	1.3	—	—	H	—
1T48-PCV144B	.25	QTR-745	492	SC	1.5	1.3	—	—	H	—
1T48-PCV145A	.25	QTR-745	492	SC	1.5	1.3	—	—	H	—
1T48-PCV145B	.25	QTR-745	492	SC	1.5	1.3	—	—	H	—
1T48-PCV145C	.25	QTR-745	492	SC	1.5	1.3	—	—	H	—
1T48-PCV145D	.25	QTR-745	492	SC	1.5	1.3	—	—	H	—
1T48-PCV146A	.25	QTR-745	492	SC	1.5	1.3	—	—	H	—
1T48-PCV146B	.25	QTR-745	492	SC	1.5	1.3	—	—	H	—
1T48-RV017A	3	502644	191	SC	1.9	.7	—	—	H	—
1T48-RV017B	3	502644	191	SC	3.7	3.1	—	—	H	—
1T48-SOV126A	.75	HR5265683271	310979	SC	1.5	1.3	—	—	H	—
1T48-SOV126B	.75	HR5265683271	310979	SC	1.5	1.3	—	—	H	—
1T48-SOV127A	.75	HR5265683271	310979	SC	1.5	1.3	—	—	H	—
1T48-SOV127B	.75	HR5265683271	310979	SC	1.5	1.3	—	—	H	—
1T48-SOV128A	.75	HR5265683271	310979	SC	1.5	1.3	—	—	H	—

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PAGE 21

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					HOR	VER	SUPPLIER	MODEL NO.	YONE	OPER
1T48-SOV1200	.75	HR5265683271	310979	9C	1.5	1.3	---	---	H	-
1T48-SOV129A	.75	HR5265683271	310979	9C	1.5	1.3	---	---	H	-
1T48-SOV129B	.75	HR5265683271	310979	9C	1.5	1.3	---	---	H	-
1T48-SOV130	.75	HR5265683271	310979	9C	1.5	1.3	---	---	H	-
1T48-SOV131	.75	HR5265683271	310979	9C	1.5	1.3	---	---	H	-
1T48-SOV136A	.75	HR5265683271	310979	9C	1.5	1.3	---	---	H	-
1T48-SOV136B	.75	HR5265683271	310979	9C	1.5	1.3	---	---	H	-
1T48-SOV137A	.75	HR5265683271	310979	9C	1.5	1.3	---	---	H	-
1T48-SOV137B	.75	HR5265683271	310979	9C	1.5	1.3	---	---	H	-
1293-PCV011A	.25	17759-83H	493	9C	1.5	1.3	---	---	H	-
1293-PCV011B	.25	17759-83H	493	9C	1.5	1.3	---	---	H	-
1293-PCV010A	.25	QTR-745	492	9C	1.5	1.3	---	---	H	-
1293-PCV010B	.25	QTR-745	492	9C	1.5	1.3	---	---	H	-

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JOB MFL 140002
LILCO DOCKET 50-322

NSSS LIST
1-SORT
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STONE & WEBSTER ENGR'G CORPORATION
NSSS CATEGORY I EQUIPMENT
NSSS QUALIFICATION LEVEL (150 ITEMS)
IS-314

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PAGE 1

HARK NUMBER	EQUIPMENT DESCRIPTION	NSSS NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1821AQV001	ISOLATION VALVE-HS	821F022	ROCHWELL	SC082	YES	NEDE-24122-2	SA	8	P4	CS,HS	G
1821AQV002	ISOLATION VALVE-HS	821F020	ROCHWELL	SC082	YES	NEDE-24122-2	SA	8	P4	CS,HS	G
1821Q-003	CONDENSING CHAMBER	8210002	GE	SC080	YES	DRF-A00794-11	SA	60+	P	HS,CS	G
1821Q-004	CONDENSING CHAMBERS	8210004	GE	SC080	YES	DRF-A00794-11	SA	60+	P2	HS,CS	G
1821Q-005	CONDENSING CHAMBERS	8210006	GE	SC080	YES	DRF-A00794-11	SA	60+	P16	HS,CS	G
1821P0502A1	DAHPENER	821H006A				SHIP LOOSE			F		G
1821P0502B1	DAHPENER	821H007A				SHIP LOOSE			F		G
1821P0502C1	DAHPENER	821H008A				SHIP LOOSE			F		G
1821P050201	DAHPENER	821H009A				SHIP LOOSE			F		G
1821PS 020	PRESSURE SWITCH	821H015	BARKSDALE	CB037	YES	DRF-A001084215E	SAT	33+	F4	CS,HS	G
1821RV 092	RELIEF VALVE	821F013	TARG ROCK	PC099	YES	VPF-5485-3-1	HBT	60+	P11	CS	G
1821TE 003	TEMPERATURE ELEMENT	821H040	ROSEMOUNT	T084	YES	DRF-A00-01344	SA	100	P	CS,HS	G
1821TE 043X	TEMPERATURE ELEMENT	821H014	PYCO	T059	YES	DRF-A00-108491C	SAT	60+	F4	CS,HS	G
1821TE 043Y	TEMPERATURE ELEMENT	821H010	PYCO	T082	YES	DRF-A00-108491C	SAT	60+	F4	CS,HS	G
1821TE 059	TEMPERATURE ELEMENT	821H014	PYCO	T059	YES	DRF-A00-108491C	SAT	60+	F4	CS,HS	G
1831H0V031	RECIRC SUCTION VALVE	831F023	ANCHOR	SC017	YES	38SHA4641	SA	41	P2	N	G
1831H0V032	RECIRC DISCHARGE VALVE	831F031	ANCHOR	SC014	YES	VPF2809-40	SA/DA	100	P2	N	G
1831P- 001	RECIRC PUMP & MOTOR	831C001	BJ/GE	PC070	YES	204833C001-HS-1	SA	60+	P2	N	G
1831TE 025	TEMPERATURE ELEMENT	831H023	ROSEMOUNT	PC045	YES	DRF-A00-01344	SA	100	P2	N	G

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REVISION 20 MARCH 1984

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SHOREHAM UNIT 1
JOB NUMBER 1140002
LILCO DOCKET 50-322

NSSS LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
NSSS CATEGORY I EQUIPMENT
NSSS QUALIFICATION LEVEL 150 ITEMS
IS-314

RUN DATE 03/27/84
RUN TIME 14.49.27
PAGE 2

HARN NUMBER	EQUIPMENT DESCRIPTION	NSSS NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1C11+ADV050	SDV ADV	C11-F180				SHIP LOOSE			P		F
1C11+ADV051	SDV ADV	C11-F181				SHIP LOOSE			P		F
1C11+ADV081	HCU DIAPHRAGH VALVE	C11F010	MMH	SC078	YES		SA		P	CS,HS	F
1C11+ADV082	HCU DIAPHRAGH VALVE	C11F011	MMH	SC040	YES		SA		P	CS,HS	F
1C11+HCU-01	CRO HYDRA CONT UNIT	C110001	GE	SC078	YES	383HA853	HST	2	137	CS,HS	G
1C11+L3 049	LEVEL SWITCH	C11N013	HAGNETROL	SC078	YES	43275-1	HBT	30+	F2	CS,HS	G
1C11+L3 095	LEVEL SWITCH	C11N013	HAGNETROL	SC078	YES	43235-1	HBT	30+	F4	CS,HS	G
1C11+LT 049	LEVEL XNTR	C11N012	GOULD	SC078	YES	SHIP LOOSE		11	F4		G
1C11+PT 113	PRESS XNTR	C11N052	ROSEMOUNT	SC063	YES	SHIP LOOSE		50	F		G
1C11+SOV044	HCU SOLENOID VALVE	C11F009	ASCO	SC063					P	CS,HS	D
1C11+SOV052	SDV SOLENOID VALVE	C11F182	ASCO						P		D
1C41+EV 010	EXPLOSIVE VALVE	C41F004	CONAX	SC112	YES	VPF3394-34-2	SBT	35+	P2	H	G
1C41+P-024	STDBY LIQ PUMP&HTR	C41C001	UNION PUM	SC113	YES	VPF-5517-2-2	SBT	60+	F2	H	G
1C41+PI 002	PRESSURE INDICATOR	C41R003	ROBT SHAW	SC112	YES	DRF-A0001841400	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+TH-003	SLC STORAGE TANK	C41A001	LAIKO	SC113	YES	RA542/C41-22	SA	59	F	H	G
1C41+TH-150	SLC ACCURRATORS	C41A003	HYDRA CON	SC097	YES	DRF C41-22	SA	N/A	P2	H	G
1C41+T3001A	TEMP SWITCH	C41N003	WEED INST	SC112		DRF-A00-01344	SA	60+	F	CS,HS	G
1C51+TIP-004	TIP VALVE GUIDE T	C51J004	GE	SC073	YES	DRF-A00992-H	SAT	100	F4	H	G

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SHOREHAM UNIT 1
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STONE & WEBSTER ENGINEERING CORPORATION
NSSS CATEGORY I EQUIPMENT
NSSS QUALIFICATION LEVEL(150 ITEMS)
IS-314

RUN DATE 03/27/84
RUN TIME 14.49.27
PAGE 3

HARK NUMBER	EQUIPMENT DESCRIPTION	NSSS NO.	VENDOR	BLOG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1C414FT 001	DIFF PRESS XITR	C41N001	ROSEHOUNT	SC008	YES	DRF-A00-1084101	SAT	50	F	N	G
1C414PHL-RSP	REHOTE SHT DN PHL	C41P001	GE	SC063	YES	SAI-029QA80PA-B	HBT	14	F	N	G
1C414PT 004	PRESS TRANS	C41N004	BAILEY	SC079	YES	DRF-A001084142C	SAT	100	F	N	G
1C714PS 003	PRESSURE SWITCH	C71N003	BARKSDALE	CB037	YES	DRF-A001084215E	SAT	33+	F4	CS,HS	G
1E114E-034	RHR HEAT EXCHANGERS	E11B001	PERFEX CP	SC008	YES	DRF E11-1	DA	14	F2	HS,CS	G
1E114FT 004	DIFF PRESS XITR	E11N013	ROSEHOUNT	SC078	YES	DRFA00-1084-101	SAT	50	F	CS,HS	G
1E114FT 004	DIFF PRESS TRANS	E11N007	ROSEHOUNT	SC008	YES	DRFA00-1084-101	SAT	50	F2	CS,HS	G
1E114LT 002	LEVEL XITR	E11N008	BARTON	SC024	YES	DRFA00-1084-47E	HBT	100	F2	CS,HS	G
1E114P-014	RHR PUMPS & MOTORS	E11C002	BJ/GE	SC008	YES	DRF E11-11	DA	10	F4	CS,HS	G
1E114PS 134	PRESSURE SWITCH	E11N014	BARKSDALE	SC008	YES	DRFA00-1084215E	SAT	33+	F4	CS,HS	G
1E114PS 135	PRESSURE SWITCH	E11N020	BARKSDALE	SC008	YES	DRFA00-1084215E	SAT	33+	F4	CS,HS	G
1E114TE 014	TEMP ELEMENT	E11N009	PYCO	SC023	YES	DRFA00-108491C	SAT	60+	F2	CS,HS	G
1E114TE 015	TEMP ELEMENT	E11N030	PYCO	SC023	YES	DRFA00-108491C	SAT	60+	F2	CS,HS	G
1E214P-013	CS PUMPS & MOTORS	E21C001	BJ/GE	SC008	YES	DRF E21-53	DA	12	F2	CS	G
1E214PI9090	PRESS INDIC SWITCH	E21N010	ROBT SHAM	SC008	YES	DRFA00-1084215E	SAT	33+	F2	CS,HS	G
1E214PS 012	PRESSURE SWITCH	E21N008	BARKSDALE	SC008	YES	DRFA00-104-141	SAT	33+	F2	CS,HS	G
1E214PS013	PRESSURE SWITCH	E21N009	BARKSDALE	SC008	YES	DRFA00-104-141	SAT	33+	F2	CS,HS	G
1E324BLO-13	OUTBO HSIV LCS BLOWER	E32C002	GE	SC076	YES	VPF3830-14-1	SBT	60+	F2	N	G
1E324BLO-14	INBO HSIV LCS BLOWER	E32C001	GE	SC076	YES	VPF3830-14-1	SBT	60+	F	N	G

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REVISION 20

MARCH 1984

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

RUN DATE 03/27/84
RUN TIME 14.49.27
PAGE 4

MACH 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&H	SC066	YES	DRFA00-1084150C	SAT	30+	P4	CS,HS	G
1E32+HC-053	HSIV LCS HTR	E32B001	GE	SC078	YES	VPF3030-33-1	HBT	15	P4	N	G
1E32+POT035	DIFF PRESS TRANS	E32N059	ROSEHOUNT	SC063	YES	DRFA00-1084-101	SAT	50	F	CS,HS	G
1E32+POT038	DIFF PRESS TRANS	E32N054	ROSEHOUNT					50	F		G
1E32+PT 033	GAGE PRESS TRANS	E32N055	ROSEHOUNT	SC063	YES	DRFA00-1084-101	SAT	50	F	CS,HS	G
1E32+PT 034	ABS PRESS TRANS	E32N056	ROSEHOUNT	SC063	YES	DRFA00-1084-101	SAT	50	F	CS,HS	G
1E41+L3091	LEVEL SWITCH	E41N014	MAGNETROL	SC016	YES	43235-1	HBT	30+	F	CS,HS	G
1E41+L3092	LEVEL SWITCH	E41N015	MAGNETROL	SC027	YES	43235-1	HBT	30+	F2	CS,HS	G
1E41+L3093A	LEVEL SWITCH	E41N002	MAGNETROL	YARD	YES	43235-1	HBT	30+	F	CS,HS	G
1E41+L3093B	LEVEL SWITCH	E41N003	MAGNETROL	YARD	YES	43235-1	HBT	30+	F	CS,HS	G
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	DRFA00-1084-91C	SAT	60+	F2	CS,HS	G
1E41+TE054	TEMPERATURE ELEMENT	E41N028	PYCO	SC025	YES	DRFA00-1084-91C	SAT	60+	F2	CS,HS	G
1E41+TE055	TEMPERATURE ELEMENT	E41N029	PYCO	SC017	YES	DRFA00-1084-91C	SAT	60+	F2	CS,HS	G
1E41+TE056	TEMPERATURE ELEMENT	E41N030	PYCO	SC063	YES	DRFA00-1084-91C	SAT	60+	F2	CS,HS	G
1E41+TI141	TEMP INDICATOR	E41R002	WEED	SC008	YES	DRFA00-01364	SA	100	P	CS,HS	G
1E41+TU-002	HPCI TURBINE	E41C002	TERRY	SC008	YES		HBT		F	N	E
1E51+L3091	LEVEL SWITCH	E51N010	MAGNETROL	SC008	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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JOB NUMBER 1140002
LILCO DOCKET 50-322

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

RUN DATE 03/27/84
RUN TIME 14.49.27
PAGE 5

HASH NUMBER	EQUIPMENT DESCRIPTION	NSSS NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1E51*TE052	TEMPERATURE ELEMENT	E51N011	PYCO	SC025	YES	DRFA00-1084-91C	SAT	60+	F2	CS,H5	G
1E51*TE053	TEMPERATURE ELEMENT	E51N022	PYCO	SC027	YES	DRFA00-1084-91C	SAT	60+	F2	CS,H5	G
1E51*TE054	TEMPERATURE ELEMENT	E51N023	PYCO	SC043	YES	DRFA00-1084-91C	SAT	60+	F2	CS,H5	G
1E51*TE055	TEMPERATURE ELEMENT	E51N025	PYCO	SC046	YES	DRFA00-1084-91C	SAT	60+	F4	CS,H5	G
1E51*TE056	TEMPERATURE ELEMENT	E51N026	PYCO	SC046	YES	DRFA00-1084-91C	SAT	60+	F4	CS,H5	G
1E51*TI141	THERMOMETER	E51R005	ROBT SHAW	SC008	YES	DRFA00-01364	SA	170	P	CS,H5	G
1E51*TV-005	RCIC TURBINE	E51C002	TERRY	SC008	YES	VPF3622-79(1)-2	SA/HBT	15	F	H5	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	F13E008	CAL PAC	SC176	YES	DRF F13-9	SA	N/A	F	N	G
1F13*TO-016	HEAD STRONGBACK	F13E009	LAHCO	SC176	YES	DRF F13-11	SA	N/A	F	N	G
1F14*TO-029	CONT ROD GRAPPLE	F14E002	GE	SC176	YES	DRF139F14E002M	SA	N/A	F	N	G
1F15*CRM-009	REFUEL PLTF ASSY	F15E003	STERN ROG	SC176	YES	DRFF00000022	DA	N/A	F	N	G
1F16*CSN-01	DEF F STRG CONTAIN	F16E009	GE	SC151	YES	139F16E009M1	DA	1	F8	N	G
1F16*RAH-025	POISON CURTAIN	F16E015	BMP	SC151	YES	DRF F16-00009-1	DA	1	F14	N	G
1F16*RAH-09	FUEL RACK(IN VESSL)	F16E006	VOTAM	SC176			DA		F2	N	E
1F16*RAH-10	STRG RACK(IDEF F)	F16E004	GE	SC137	YES	DRF F16-0003	DA	13	F3	N	G
1F16*RAH-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	DRFA00-1084101H	SAT	50	F	N	G

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STONE & WEBSTER ENGINEERING CORPORATION
NSSS CATEGORY I EQUIPMENT
NSSS QUALIFICATION LEVEL (50 ITEMS)
IS-316

RUN DATE 03/27/89
RUN TIME 14.49.27
PAGE 6

HARM NUMBER	EQUIPMENT DESCRIPTION	NSSS NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1G33WTE020E	TEMPERATURE ELEMENT	G33N042	PYCO	PC97	YES	DRFA00-01364	SA	100	P	N	G
1G33WTE071	TEMPERATURE ELEMENT	G33N016	PYCO	SC136	YES	DRFA00-1084-91C	SAT	60+	F6	N	G
1G33WTIHR	MOTOR DRIVEN TIMER	G33R616		CB063	YES	DRFA00-1084-61			F2		G
1H11WPHL-401	REACTOR CORE COOL BB	H11P601	GE	CB063	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11WPHL-402	RNCU & RECIRC BN	H11P602	GE	CB063	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11WPHL-403	REACTOR CONTROL B	H11P603	GE	CB063	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11WPHL-408	PMR RANGE NEUT CA	H11P608	GE	CB063	YES	SAI-029QA80PA-B	HBT	22	F	N	G
1H11WPHL-409	TRIP SYS A RPS VB	H11P609	GE	CB063	YES	SAI-029QA80PA-B	HBT	22	F	HS,CS	G
1H11WPHL-411	TRIP SYS B RPS VB	H11P611	GE	CB063	YES	SAI-029QA80PA-B	HBT	22	F	HS,CS	G
1H11WPHL-412	FW & RECIRC INSTR	H11P612	GE	CB063	YES	SAI-029QA80PA-B	HBT	19	F	N	G
1H11WPHL-413	PROCESS INSTR CAB	H11P613	GE	CB063	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11WPHL-414	NSS TEMP LH DET VB	H11P614	GE	CB063	YES	SAI-029QA80PA-B	HBT	22	F	N	G
1H11WPHL-417	DIV 1 RHR RELAY VB	H11P617	GE	CB044	YES	SAI-029QA80PA-B	HBT	19	F	HS,CS	G
1H11WPHL-418	RHR RELAY VB	H11P618	GE	CB044	YES	SAI-029QA80PA-B	HBT	19	F	HS,CS	G
1H11WPHL-420	HPCI RELAY VERT BD	H11P620	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	N	G
1H11WPHL-421	IC RELAY VERT BD	H11P621	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11WPHL-422	IMBD ISO V RELAY VB	H11P622	GE	CB044	YES	SAI-029QA80PA-B	HBT	21	F	CS	G
1H11WPHL-423	OUTBD ISO V REL VB	H11P623	GE	CB044	YES	SAI-029QA80PA-B	HBT	21	F	CS	G
1H11WPHL-424	DIV 1 COR SP REL VB	H11P624	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G

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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 STIM. 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/H RECOMMENDATION TO LILCO
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 20 MARCH 1989

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

SHOREHAM Unit 1
JOB NUMBER 1160002
LILCO DOCKET 50-322

N555 LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
N555 CATEGORY I EQUIPMENT
N555 QUALIFICATION LEVEL (150 ITEMS)
IS-316

RUN DATE 03/27/84
RUN TIME 14.49.27
PAGE 7

MACH NUMBER	EQUIPMENT DESCRIPTION	N555 NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1H11aPML-427	DIV 2 COR SP REL VB	H11P427	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G
1H11aPML-428	AUTO BLOWDOWN REL VB	H11P428	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G
1H11aPML-431	AUTO DEPRESS	H11P431	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G
1H11aPML-435	DIV 1 RAD MONITOR	H11P435	GE	CB063	YES	SAI-029QA80PA-B	HBT	21	F	N	G
1H11aPML-434	DIV 2 RAD MONITOR	H11P434	GE	CB063	YES	SAI-029QA80PA-B	HBT	21	F	N	G
1H11aPML-454	H5IL LISPNCAGE	H11P454	GE	CB063	YES	SAI-029QA80PA-B	HBT	19	F	N	G
1H11aPML-455	H5SL LISPNCAGE	H11P455	GE	CB063	YES	SAI-029QA80PA-B	HBT	21	F	N	G
1H21aPML-01	CORE SPRAY RM CH A	H21P001	GE	SC008	YES	SAI-029QA80PA	HBT	11	F	CS	G
1H21aPML-02	RMCU SYSTEM INST	H21P002	GE	SC151	YES	SAI-029QA80PA	HBT	8	F	N	G
1H21aPML-04	RX VES L & P RACK	H21P004	GE	SC079	YES	SAI-029QA80PA	HBT	8	F	H5,CS	G
1H21aPML-05	RX VES L & P RACK	H21P005	GE	SC079	YES	SAI-029QA80PA	HBT	8	F	H5,CS	G
1H21aPML-06	RECIRC PUMP A RAC	H21P006	GE	SC040	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21aPML-09	JET PUMP A	H21P009	GE	SC079	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21aPML-10	JET PUMP INST RM	H21P010	GE	SC079	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21aPML-14	HPCI INST RACK	H21P014	GE	SC008	YES	SAI-029QA80PA	HBT	8	F	N	G
1H21aPML-15	MAIN STN FLOW RM A	H21P015	GE	SC040	YES	SAI-029QA80PA	HBT	8	F	N	G
1H21aPML-16	CS/HPCI LH DET I	H21P016	GE	SC008	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21aPML-17	RCIC INST RACK	H21P017	GE	SC008	YES	SAI-029QA80PA	HBT	8	F	H5	G
1H21aPML-18	RHR INST RACK CH	H21P018	GE	SC008	YES	SAI-029QA80PA	HBT	8	F	H5,CS	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
OP =QUALIFIED BY
PIPING ANALYSIS
RM =RADWASTE
SA =STATIC ANALYSIS
SAT=SINGLE FREQUENCY
SINGLE AXIAL TESTING

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

QUALIFICATION MILESTONES
A =REEVALUATION COMPLETE
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REVISION 20 MARCH 1984

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

SHOREHAM UNIT 1
JOB NUMBER 1140002
LILCO DOCKET SB-322

NSSS LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
NSSS CATEGORY 1 EQUIPMENT
NSSS QUALIFICATION LEVEL 150 ITEMS
IS-316

RUN DATE 03/27/84
RUN TIME 14.49.27
PAGE 8

MARK NUMBER	EQUIPMENT DESCRIPTION	NSSS NO.	VENDOR	BLOG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE MTNG	SAFETY FUNC	QUAL STATUS
IM21APNL-19	CONE SPRAY RN CH	M21P019	GE	SC008	YES	SAT-029QA80PA	MET	11	F	CS	G
IM21APNL-21	RHR INST RACH CH	M21P021	GE	SC008	YES	SAT-029QA80PA	MET	8	F	MS,CS	G
IM21APNL-22	RECIRC PUMP B RAC	M21P022	GE	SC040	YES	SAT-029QA80PA	MET	8	F	N	G
IM21APNL-25	MAIN STM FLOW RN	M21P025	GE	SC040	YES	SAT-029QA80PA	MET	11	F	N	G
IM21APNL-26	RV LV & PRES RN	M21P026	GE	SC079	YES	SAT-029QA80PA	MET	11	F	MS,CS	G
IM21APNL-30	SPW/IRN PREARP RN	M21P030	GE	SC079	YES	DRF AOO-794-16	MET	4	F	N	G
IM21APNL-31	SPW/IRN PREARP RN	M21P031	GE	SC079	YES	DRF AOO-794-16	MET	4	F	N	G
IM21APNL-32	SPW/IRN PREARP RN	M21P032	GE	SC079	YES	DRF AOO-794-16	MET	4	F	N	G
IM21APNL-33	SPW/IRN PREARP RN	M21P033	GE	SC079	YES	DRF AOO-794-16	MET	4	F	N	G
IM21APNL-34	HPCI LEAK DET RN	M21P034	GE	SC008	YES	SAT-029QA80PA	MET	25	F	N	G
IM21APNL-35	CS/RCIC LH DET I	M21P035	GE	SC040	YES	SAT-029QA80PA	MET	11	F	N	G
IM21APNL-36	HPCI LEAK DET RN	M21P036	GE	SC008	YES	SAT-029QA80PA	MET	11	F	N	G
IM21APNL-37	RCIC LEAK DET RN	M21P037	GE	SC008	YES	SAT-029QA80PA	MET	25	F	N	G
IM21APNL-38	RCIC LEAK DET RN	M21P038	GE	SC040	YES	SAT-029QA80PA	MET	11	F	N	G
IM21APNL-41	HN STEAM FLOW IR	M21P041	GE	SC040	YES	SAT-029QA80PA	MET	11	F	N	G
IM21APNL-73	HSIV LEAKAGE RN	M21P073	GE	SC063	YES	SAT-029QA80PA	MET	11	F	N	G
IM21APNL-74	HSIV LEAKAGE RN	M21P074	GE	SC063	YES	SAT-029QA80PA	MET	8	F	N	G

CB	CONTROL BLDG	P	PIPE MOUNTED	SRT-SINGLE FREQUENCY	QUALIFICATION MILESTONES	REVISION 20	MARCH 1984
CS	COLD SHUT DOWN	PC	PRIMARY CONT.	BIAXIAL TESTING	A	RE-EVALUATION COMPLETE	
DA	DYNAMIC ANALYSIS	PL	PEDESTAL	SC	B	REQUEST FOR REQUAL OR BID ISSUED	NOTE: NUMBER IN
F	FLOW MOUNTED	OP	OPERATED BY	/	C	S/M RECORRECTION TO LILCO	"TYPE MTNG" COLUMN IS
HS	HOT STATION	PIPING	ANALYSIS	WELL	D	QUAL DOC RECEIVED	QUANTITY OF ITEMS.
HS	HOT STATION	RM	RAOGRASTE	T	E	MAJOR MODIFICATION REQ'D	
HS	HOT STATION	SA	STATIC ANALYSIS	N	F	QUAL DOC APVD & FILED	
HS	HOT STATION	SAT	SINGLE FREQUENCY	Z	G	SORT PAPER COMPLETE	
		SINGLE AXIAL TESTING	SINGLE AXIAL TESTING		H	COPIES OF DOC TO DISTRIBUTION	