



LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

P.O. BOX 619, NORTH COUNTRY ROAD • WADING RIVER, N.Y. 11792

Direct Dial Number

December 6, 1983

SNRC-990

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

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

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

Dear Mr. Denton:

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

Should you have any questions, please contact this office.

Very truly yours,

J. L. Smith
Manager, Special Projects
Shoreham Nuclear Power Station

CC:law L
Enclosure

8312140177 831206
PDR ADOCK 05000322
E PDR

cc: C. Petrone
All Parties Listed in Attachment 1
Dr. Morris Reich, BNL, (4)

A048
1/10

ATTACHMENT 1

Lawrence Brenner, Esq.
Administrative Judge
Atomic Safety and Licensing
Board Panel
U.S. Nuclear Regulatory
Commission
Washington, D.C. 20555

Dr. Peter A. Morris
Administrative Judge
Atomic Safety and Licensing
Board Panel
U.S. Nuclear Regulatory
Commission
Washington, D.C. 20555

Dr. George A. Ferguson
School of Engineering
Howard University
2300 6th Street, N.W.
Washington, D.C. 20059

Bernard M. Bordenick, Esq.
David A. Repka, Esq.
U.S. Nuclear Regulatory
Commission
Washington, D.C. 20555

Mr. James Dougherty
3045 Porter Street
Washington, D.C. 20008

Herbert H. Brown, Esq.
Lawrence Coe Lanpher, Esq.
Karla J. Letsche, Esq.
Kirkpatrick, Lockhart, Hill
Christopher & Phillips
8th Floor
1900 M. Street, N.W.
Washington, D.C. 20036

Mr. Marc W. Goldsmith
Energy Research Group
4001 Totten Pond Road
Waltham, Massachusetts 02154

MHB Technical Associates
1723 Hamilton Avenue
Suite K
San Jose, California 95125

Stephen B. Latham, Esq.
Twomey, Latham & Shea
33 West Second Street
P.O. Box 398
Riverhead, New York 11901

Ralph Shapiro, Esq.
Cammer and Shapiro, P.C.
9 East 40th Street
New York, New York 10016

Matthew J. Kelly, Esq.
State of New York
Department of Public Service
Three Empire State Plaza
Albany, New York 12223

SHOPEHAN - 1
JOB NUMBER 1160002
LILCO DOCKET 50-322

M LIST
1-SORT
ACTIVE

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

RUN DATE 11/21/83
RUN TIME 11.59.21
PAGE 1

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLOG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE SAFE HTNG SHTDN	QUAL STATUS
1C61-PT-011	SVC MTR HOR PRESS	406-2	CD	ROSEMOUNT	SH	YES	127516	HBT	40+	F CS,HS	H
1P41-HOV031	SERV WATER DIS	197-7	PD	PRATT	SH020	YES	D-0034-1	SA/SAT	33+	P4 CS,HS	H
1P41-HOV032	SERV WATER HOR IV	197-8	PD	PRATT	SH033	YES	D-0034-6	SA/SAT	33+	P2 CS,HS	H
1P41-HOV035	T BELOW SUPPLY IV	197-8	PD	PRATT	SH025	YES	D-0034-6	SA/SAT	33+	P2 N	H
1P41-P-003	SERVICE WATER PUMPS	057	PD	BIRNBAUM-HILL	SH021	YES	HE-016	SA	20	F4 CS,HS	H
1P41-PDT150	SERV MTR DIFF	406-2	CD	ROSEMOUNT	SH	YES	127516	HBT	40+	F4 CS,HS	H
1P41-PRL-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	N07503	DA	17	F4 CS,HS	S
1R24-HCC1110	480 V MOTOR CONT CENTE	115-1	ED	SQUARE D CO	SH021	YES	100-1.01L2	HBT	4	F CS,HS	H
1R24-HCC1120	480 V MOTOR CONT CENTE	115-1	ED	SQUARE D CO	SH021	YES	100-1.01L2	HBT	4	F CS,HS	H
1R43-P-201	FUEL OIL XFER PU	420	PD	CRAHE CO	YD020	YES	HE572	SA	13	F3 CS	H
1R43-P-202	FUEL OIL XFER PU	420	PD	CRAHE CO	YD020	YES	HE572	SA	13	F3 CS	H
1R43-RV025	P-202 DISCH	191	CD	LONERGAN	PH024	YES	502644	SA	60	P3 CS	H
1R43-RV026	P-201 DISCH	191	CD	LONERGAN	PH024	YES	502644	SA	60	P3 CS	H
1R43-TK-132	FUEL OIL STORAGE	114-3	PD	BUFFALO TANK	YD020	YES	NH(B)-22	SA	14	F3 CS	H
1X41-FN-068	SCRIBELL PUMPSE SUP	270-4	PD	BUFFALO FORGE	SH034	YES	745-11140	SA	26+	F2 CS,HS	H
1X41-HOD042	FN-68 OUTDOOR AIR	319-4	CD	POHRS	SH025	YES	44057-1	HBT	21	F2 CS,HS	H
1X41-HOD043	FN-68 EXHAUST AIR	319-4	CD	POHRS	SH025	YES	44057-1	HBT	21	F2 CS,HS	H
1X41-HOD044	FN-68 RETURN AIR	319-4	CD	POHRS	SH025	YES	44057-1	HBT	21	F2 CS,HS	H

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

P =PIPE MOUNTED
PC =PRIMARY CONT.
PL =PFDISTAL
QP =QUALIFIED BY
PIFING ANALYSIS
SA =STATIC ANALYSIS
SAT=SINGLE FREQUENCY
SINGLE AXIAL TESTING

SST=SINGLE FREQUENCY
BIAXIAL TESTING
SC =SECONDARY CONT.
L =LOCATED ON CONT.
HALL
H =NEITHER CS OR HS
Z =PASSIVE ITEM
(SORT PAPER NOT
REQ'D)

QUALIFICATION MILESTONES
A =REEVALUATION COMPLETE
B =REQUEST FOR QUAL OR BID ISSUED
C =S/W 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 16 NOVEMBER 1983
NOTE: NUMBER IN
'TYPE HTNG' COLUMN IS
QUANTITY OF ITEMS.

SHORE 17 1
JOB IN CH. 1140002
LILCO DOCK 50-322

M LIST
1-SORT
ACTIVE

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

RUN DATE 11/21/83
RUN TIME 11.59.21
PAGE 2

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHDN	QUAL STATUS
1X01-1T000	SCRM PURPOSE TEMP	319-A	CD	POWERS	SH025	YES	43012-1	MET	24	F2	M	M

CS -COLD SHUT DOWN
DA -DYNAMIC ANALYSIS
F -FLOW MONITOR
HS -HOT STABILITY
HST-HIGH-FREQUENCY
BIAXIAL TESTING
HST-MID-FREQUENCY
SINGLE AXIAL TESTING

P -PIPE MONITOR
PC -PRIMARY CONT.
PL -PIPE STAL
OP -QUALIFIED BY
FIPING ANALYSIS
SA -STATIC ANALYSIS
SAT-SINGLE FREQUENCY
SINGLE AXIAL TESTING

SBT-SINGLE FREQUENCY
BIAXIAL TESTING
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M -NEITHER CS OR HS
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LILCO DOCKET 50-322

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

RUN DATE 11/21/83
RUN TIME 12.00.29
PAGE 1

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLOS ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE MTNG	SAFE SHDN	QUAL STATUS
1B21=LIT007	PRESS TRANSHITTER	406-6	CD	ROSEHOUNT	SC079	YES	108025	HBT	50	F2	CS,HS	H
1B21=PMS001	LIMIT SWITCH	10127	CD	NAHCO	PC082		QTR112	SAT	100	P12	N	H
1B21=PMS002	LIMIT SWITCH	10127	CD	NAHCO	SC082		QTR112	SAT	100	P12	N	H
1B21=PT 004	PRESS TRANSHITTER	406-6	CD	ROSEHOUNT	SC079	YES	108025	HBT	50	F2	CS,HS	H
1B21=PT 153	RV092 MONITOR	406-2	CD	ROSEHOUNT	SC040	YES	127516	HBT	60+	F11	CS,HS	H
1B21=QEN001	MS SRV QNCHRS	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	N05905198	SAT	18	F12	N	F
1B21=TE 147	HST PA STEAM LK DET	406-1	CD	ROSEHOUNT	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	ROSEHOUNT	SC008	YES	127516	HBT	60+	F	CS,HS	H
1C61=PT 012	DRYHELL PRESS	406-2	CD	ROSEHOUNT	SC098	YES	127516	HBT	60+	F	CS,HS	H
1C61=PT 106	SAFETY REL VALVE	406-2	CD	ROSEHOUNT	SC101	YES	127516	HBT	60+	F	CS,HS	H
1C61=TE 021	DRYHELL TEMP	406-1	CD	ROSEHOUNT	SC150	YES	2767	SAT	60+	F	CS,HS	H
1C61=TE 022	SUPP POOL TEMP	406-4	CD	ROSEHOUNT	PC028	YES	17607-1	HBT	60+	F2	CS,HS	H
1D11=PNL061	CON DM MON	332	PD	NIC	SC112	YES	45493-1	HBT	12	F	N	H
1D21=RE 085	RAD MONITOR	475-3	CD	KAHAN	PC074	YES	16683-1	HBT	100	F2	N	B
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 LUBE OIL COOLER	406-2	CD	ROSEHOUNT	SC8	YES	127516	HBT	60+	F	CS,HS	H

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D =DUCT MOUNTED
DA =DYNAMIC ANALYSIS
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REACTOR BUILDING CATEGORY I FLOOR-MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (153 ITEMS)
IS-316

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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 HTNG	SAFE SHDN	QUAL STATUS
1E51nP-051	LOOP LEVEL PUMP	235	PD	GOULD PUMP	SC008	YES	HE-320	SA	60+	F	CS	H
1E51nPT 142	TO LUBE OIL COOLER	406-2	CD	ROSEMOUNT	SC8	YES	127516	HBT	60+	F	CS,HS	H
1F16nRAH-22	HI DENSITY SPNT FUEL R	427	PD	WACHTER	SC137	YES	LIL-T-151	DA	10	F29	N	H
1F16nRAH-23	PERH CR STOR RACKS	427	PD	WACHTER	SC137	YES	LIL-T-151	DA	10	F	N	H
1F16nRAH-24	TEHP CR STOR RACKS	427	PD	WACHTER	SC137	YES	LIL-T-151	DA	10	F2	N	H
1G11nFT 647	SUPP POOL PUMP BACK	406-2	CD	ROSEMOUNT	SC008	YES	127516	HBT	60+	F3	CS,HS	H
1G11nLE 642	RB FLOOR LEVEL	473	CD	DELAVAL	SC008	YES	45700-1	HBT	14	F	N	H
1G11nLE 645	RB FLOOD LEVEL	473	CD	DELAVAL	SC008	YES	45700-1	HBT	14	F2	N	H
1G41nE-019	FUEL STG POOL HT EXCHA	190-1	PD	STRUTHERS CO	SC151	YES	70-06-30787	SA	25	F2	CS,HS	H
1G41nP-023	FUEL STORAGE POOL COOL	062G-1	PD	GOULD PUMP	SC151	YES	HE-325	SA	33	F2	N	H
1P41nFT 146	RBCLCH HX SERV WATER	406-2	CD	ROSEMOUNT	SC024	YES	127516	HBT	60+	F2	CS,HS	H
1P41nFT 151	RAD MON SAMPLE	406-2	CD	ROSEMOUNT	SC008	YES	127516	HBT	60+	F2	CS,HS	H
1P42nE-011	RBCLCH HT EXCHANGER	190-2	PD	STRUTHERS CO	SC8	YES	70-06-30786	SA	12	F2	CS,HS	H
1P42nE-117	BOOSTER HT EXCH	190-3	PD	STRUTHERS	SC8	YES	79-06-33475	SA	5+	F2	HS	H
1P42nL3 012	RBCLCH TH-026	407-1	CD	MAGNETROL	SC160	YES	43235-1	HBT	17	F2	HS	H
1P42nL3 013	RBCLCH TH-026	407-1	CD	MAGNETROL	SC160	YES	43235-1	HBT	17	F2	HS	H
1P42nP-005	RB CLOSED LOOP COOLING	062G-3	PD	GOULD PUMP	SC151	YES	HE-354	SA	60	F3	HS	H
1P42nP3 021	PUMP 1P42nP005C DISCH	348-2	ED	ASCO	SC153	YES	178	SAT	60+	F3	HS	H
1P42nP3 022	PUMP 1P42nP005B DISCH	348-2	ED	ASCO	SC153	YES	178	SAT	60+	F3	HS	H
1P42nP3 046	PUMP 1P42nP005A DISCH	348-2	ED	ASCO	SC151	YES	178	SAT	60+	F3	HS	K

CS =COLD SHUT DOWN
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REVISION 16 NOVEMBER 1983
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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 11/21/83
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PAGE 3

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE MTNG	SAFE SHTDN	QUAL STATUS
1P42nTK-026	RBCLCH HEAD TANK	114-2	PD	BUFFALO TANK	SC151	YES	101B125-1A	SA	9	F2	HS	H
1P50nPS 105	SERV AIR HDR PRESS	346-2	ED	ASCO	SC102		176	SAT	60+	F2	CS,HS	H
1P50nPS 113	SERV AIR HDR NORM SUP	346-2	ED	ASCO	SC102		176	SAT	60+	F2	CS,HS	H
1P50nPT 111	ADS ACCUMULATOR	406-2	CD	ROSEMOUNT	SC101	YES	127516	HBT	60+	F2	CS,HS	H
1P50nPT 116	SERV AIR HDR PRESS	406-2	CD	ROSEMOUNT	SC101	YES	127516	HBT	60+	F2	CS,HS	H
1R24nMCC-111W	MTR CNTRL CNTR	115-1	ED	SQUARE D CO	SC150	YES	106-1.01-L2	HBT	4	F	CS,HS	H
1R24nMCC-111X	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC113	YES	106-1.01-L2	HBT	4	F	CS,HS	H
1R24nMCC-111Y	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC76	YES	106-1.01-L2	HBT	4	F	CS,HS	H
1R24nMCC-111Z	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC76	YES	106-1.01-L2	HBT	4	F	CS,HS	H
1R24nMCC-112W	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC150	YES	106-1.01-L2	HBT	4	F	CS,HS	H
1R24nMCC-112X	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC76	YES	106-1.01-L2	HBT	4	F	CS,HS	H
1R24nMCC-112Y	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC112	YES	106-1.01-L2	HBT	4	F	CS,HS	H
1R24nMCC1111	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC40	YES	106-1.01-L2	HBT	4	F	CS,HS	H
1R24nMCC1112	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC113	YES	106-1.01-L2	HBT	4	F	CS,HS	H
1R24nMCC1113	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC113	YES	106-1.01-L2	HBT	4	F	CS,HS	H
1R24nMCC1114	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC151	YES	106-1.01-L2	HBT	4	F	CS,HS	H
1R24nMCC1117	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC40	YES	106-1.01-L2	HBT	4	F	CS,HS	H
1R24nMCC1118	480 V MOTOR CONT CENTE	115-1	ED	SQUARE D CO	SC113	YES	106-1.01-L2	HBT	4	F	CS,HS	H
1R24nMCC1119	480 V MOTOR CONT CENTE	115-1	ED	SQUARE D CO	SC40	YES	106-1.01-L2	HBT	4	F	CS,HS	H
1R24nMCC1121	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC40	YES	106-1.01-L2	HBT	4	F	CS,HS	H

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1R24#HCC1122	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC79	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24#HCC1123	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC113	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24#HCC1124	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC151	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24#HCC1127	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24#HCC1128	400 V MOTOR CONT CENTE	115-1	ED	SQUARE D CO	SC113	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24#HCC1129	400 V MOTOR CONT CENTE	115-1	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24#HCC1131	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC63	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24#HG-111	LPCI HG SET	439-1	ED	LOUIS ALLIS	SC150	YES	HE698	SA	27	F	N	H
1R24#HG-112	LPCI HG SET	439-1	ED	LOUIS ALLIS	SC150	YES	HE698	SA	27	F	N	H
1R24#HG-113	LPCI HG SET	439-1	ED	LOUIS ALLIS	SC150	YES	HE698	SA	27	F2	N	H
1R24#PIL-B1	400 VAC CHT BHR	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24#PIL-G1	400 VAC CHT BHR	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24#PIL-R1	400 VAC CHT BHR	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24#PIL-R2	400 VAC CHT BHR	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24#PIL-Y1	400 VAC CHT BHR	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24#PIL-01	400 VAC CHT BHR	115-2	ED	SQUARE D CO	SC78	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24#PIL-02	400 VAC CHT BHR	115-2	ED	SQUARE D CO	SC78	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24#PIL-03	400 VAC CHT BHR	115-2	ED	SQUARE D CO	SC78	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24#PIL-04	400 VAC CNTRL PHR FEED	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24#PIL-111	LPCI SIP PNL	439-2	ED	LOUIS ALLIS	SC150		84-66829	HBT	27	F	N	H

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

RUN DATE 11/21/83
RUN TIME 12.00.29
PAGE 5

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLOG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHDN	QUAL STATUS
1R24wPML-112	LPCI SIP PML	439-2	ED	LOUIS ALLIS	SC150		84-46829	HBT	27	F	N	H
1R24wPML-113	LPCI SIP PML	439-2	ED	LOUIS ALLIS	SC150		84-46829	HBT	27	F2	N	H
1R24wTR5111X	LCPI ATS	438	ED	ASCO	SC112	YES	14606	HBT	13	F	CS,HS	H
1R24wTR5112Y	LCPI ATS	438	ED	ASCO	SC112	YES	14606	HBT	13	F	CS,HS	H
1R35wPML-B2	EMER 120 V PML B2-SC	124-1	ED	SYSTEM CONT	SC112	YES	45322-1	HBT	15	F	CS,HS	H
1R35wPML-R2	EMER 120 V PML R2-SC	124-1	ED	SYSTEM CONT	SC112	YES	45322-1	HBT	15	F	CS,HS	H
1R35wT-B2	400-120/240V TRANS	248-1	ED	MAGNETICS	SC112	YES	MYLE43424-1	HBT	9	F	CS,HS	H
1R35wT-R2	400-120/240V TRANS	248-1	ED	MAGNETICS	SC112	YES	MYLE43424-1	HBT	9	F	CS,HS	H
1R42wHCC-0A1	125 VDC MOTOR CONT CEN	168	ED	GEN ELEC	SC40	YES	79GPC005	SAT	100	F	CS,HS	H
1R42wHCC-0A2	125 VDC MOTOR CONT CEN	168	ED	GEN ELEC	SC112	YES	79GPC005	SAT	100	F	CS,HS	H
1R42wHCC-0B1	125 VDC MOTOR CONT CEN	168	ED	GEN ELEC	SC40	YES	79GPC005	SAT	100	F	CS,HS	H
1R42wHCC-0B2	125 VDC MOTOR CONT CEN	168	ED	GEN ELEC	SC112	YES	79GPC005	SAT	100	F	CS,HS	H
1T23wZ-EA1	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	H
1T23wZ-EB1	REACTOR CONT ELEC PEN	456	ED	CONAX	PC078	YES	IPS 453	SAT	24	F	CS,HS	H
1T23wZ-EB2	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	H
1T23wZ-ED5	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	H
1T23wZ-ED6	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	H
1T23wZ-HB3	REACTOR CONT ELEC PEN	456	ED	CONAX	PC078	YES	IPS 453	SAT	24	F	CS,HS	H
1T23wZ-HB4	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	H
1T23wZ-HC4	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	H

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

RUN DATE 11/21/83
RUN TIME 12.00.29
PAGE 6

HARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLOG ELEV	AVAIL INSP	QUAL REPT	QUAL HETH	FREQ	TYPE HTNG	SAFE SHDN	QUAL STATUS
1T23#Z-M01	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC070	YES	F73414	SAT	24	F	CS,H5	H
1T23#Z-M02	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC070	YES	F73414	SAT	24	F	CS,H5	H
1T46#A00040	RB REFUEL LVL EXHAUST	319-1	CD	POHERS REGUL	SC154	YES	44540-1	SA/SAT	40	F2	CS	H
1T46#A00041	RB POT CONTAH AREA EXH	319-5	CD	POHERS REGUL	SC112	YES	43012-1	SA/SAT	24	F2	CS,H5	H
1T46#CLC-05	RBSVS COOLING COILS	276-1	PD	BUFFALO FORGE	SC113	YES	80N-27701	SA	5	F2	CS,H5	H
1T46#FLT-01	RBSVS FILTER TRAINS	105-2	PD	FARR CO	SC112	YES	D-54291	SA/SAT	11	F2	CS,H5	H
1T46#FN-003	RB EXH FANS-RBHV5	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,H5	H
1T46#FT 004	RBSVS EXH AIR FLOW	319-5	CD	POHERS REGUL	SC112	YES	43012-1	SA/SAT	24	F2	N	H
1T46#HE 002	FLT-1 MOISTURE	319-5	CD	POHERS REGUL	SC112	YES	43012-1	SA/SAT	24	F2	N	H
1T46#H00031	RBSVS INLET TO MIX PLN	319-5	CD	POHERS REGUL	SC135	YES	43012-1	SA/SAT	24	F2	CS,H5	H
1T46#H00034	RBSVS FILTER TRAIN DCH	319-2	CD	POHERS REGUL	SC102	YES	44540-1	SA/SAT	60	F2	CS	H
1T46#H00036	FN-3 DISCHARGE AIR	319-5	CD	POHERS REGUL	SC126	YES	43012-1	SA/SAT	24	F3	CS,H5	H
1T46#H00047	FN-79 DISCHARGE AIR	319-5	CD	POHERS REGUL	SC112	YES	43012-1	SA/SAT	24	F2	N	H
1T46#H00048	FLT-1 INLET AIR	319-5	CD	POHERS REGUL	SC112	YES	43012-1	SA/SAT	24	F2	N	H
1T46#PD0045	FN-3 DIFF PRESSURE	319-5	CD	POHERS REGUL	SC112	YES	43012-1	SA/SAT	24	F2	CS,H5	H
1T46#PD0046	FN-3 DIFF PRESSURE	319-5	CD	POHERS REGUL	SC112	YES	43012-1	SA/SAT	24	F3	CS,H5	H
1T46#PDT003	FLT-1A DIFF PRESSURE	406-2	CD	ROSEMOUNT	SC112	YES	127516	HBT	60+	F2	CS,H5	H
1T46#PDT043	REACTOR BLOG DIFF	406-2	CD	ROSEMOUNT	SC220	YES	127516	HBT	60+	F2	CS,H5	H
1T46#TE 001	RBSVS RECIRC AIR TEMP	406-1	CD	ROSEMOUNT	SC144	YES	2767	SAT	60+	F2	CS,H5	H

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

RUN DATE 11/21/83
RUN TIME 12.00.29
PAGE 7

MARK 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-805	HBT	60+	F	CS,HS	H
1T46#TE 022	AIR RETURN TO UC-2	406-1	CD	ROSEMOUNT	SC10	YES	2767	SAT		F2	CS,HS	H
1T46#TE 023	AIR RETURN TO UC-3	406-1	CD	ROSEMOUNT	SC42	YES	2767	SAT	60+	F2	CS,HS	H
1T46#TE 024	AIR RETURN TO UC-4	406-1	CD	ROSEMOUNT	SC220	YES	2767	SAT	60+	F2	CS,HS	H
1T46#TE 025	AIR RETURN TO UC-5	406-1	CD	ROSEMOUNT	SC220	YES	2767	SAT	60+	F2	CS,HS	H
1T46#TE 028	HCC RH UNIT COOLER	406-1	CD	ROSEMOUNT	SC128	YES	2767	SAT	60+	F2	CS,HS	H
1T46#TE 059	#UC-21 UNIT CLR	406-1	CD	ROSEMOUNT	SC155	YES	2767	SAT	60+	F2	CS,HS	H
1T46#TE 068	#UC-22 UNIT CLR	406-1	CD	ROSEMOUNT	SC160	YES	2767	SAT	60+	F2	CS,HS	H
1T46#UC-002	UNIT COOLERS-RBSVS	276-2/6	PD	BUFFALO FORGE	SC9	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	ROSEMOUNT	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	N
1T48#PIL-48	HYD RECONB POWER CABIN	289-1	PD	ATONICS INT	SC112	YES	58083	HBT	14	F2	N	H
1T48#PIL-68	GAS ANALYZER-DRYHELL	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 11/21/83
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PAGE 8

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHTDN	QUAL STATUS
1T48-PHL-49	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-ET 001	SUPPRESSION POOL LEVEL	406-2	CD	ROSEHOUNT	SC8	YES	127516	SAT	60+	F2	CS,HS	H
1Z93-PT 003	DRYWELL 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	17607-1	HBT	60+	F4	N	H
1Z93-TE 112	RV092HG 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	RV092HG 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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CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (216 ITEMS)
IS-316

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PAGE 1

HARM NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLOG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ MTNG	SAFE SHTDN	QUAL STATUS
1B21=PIH-501	TRIP/CALIB UNIT	406-5	CD	ROSEHOUNT	063	YES	127531	SAT	57+ F	N	H
1B21=TE-037	NB 5TH LINE TURB AREA	406-1	CD	ROSEHOUNT	042	YES	2767	SAT	35+ F4	CS,HS	H
1D11=P-126	AUX. PUMP SKID	475-5	PD	KAHAN	070	YES	K-83-1-UIR)	SA	27 F	N	F
1D11=P-134	AUX. PUMP SKID	475-5	PD	KAHAN	120	YES	K-83-1-UIR)	SA	27 F	N	F
1D11=PHL-021	RBSBVS MONITORING PANE	332	PD	NHC	063	YES	45493-1	HBT	13 F	N	H
1D11=PHL-022	RBSBVS MONITORING PANE	332	PD	NHC	063	YES	45493-1	HBT	13 F	N	H
1D11=PHL-025	CONT ROOM MONITOR PHL	332	PD	NHC	044	YES	45493-1	HBT	14 F2	N	H
1D11=PHL-026	CONT ROOM MONITOR PHL	332	PD	NHC	044	YES	45493-1	HBT	14 F2	N	H
1D11=PHL-027	CONT RM VENT MONIT PHL	332	PD	NHC	063	YES	45493-1	HBT	13 F	N	H
1D11=PHL-066	POST ACCOUNT MON	332	PD	NHC	063	YES	45493-1	HBT	14 F	N	H
1D11=PHL-067	POST ACCDNT MONITORS	332	PD	NHC	063	YES	45493-1	HBT	14 F	N	H
1D11=PHL-068	POST ACCDNT MONITORS	332	PD	NHC	063	YES	45493-1	HBT	14 F	N	H
1D11=PHL-069	POST ACCDNT MONITORS	332	PD	NHC	063	YES	45493-1	HBT	14 F	N	H
1D11=PHL-080	RAD MON PHL	332	PD	NHC	063	YES	45493-1	HBT	6 F2	N	H
1D11=PHL-117	RAD MON SYS IND	475-4	PD	KAHAN	063	YES			F2	N	B
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=LT5-642	TK56 LEVEL	473	CD	DELAVAL	063	YES	45700-1	HBT	14 F	N	H

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JOB NUMBER 1160002
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STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (210 ITEMS)
19-316

RUN DATE 11/21/83
RUN TIME 12.00.58
PAGE 2

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ HTNG	SAFE SHUTDOWN	QUAL STATUS
1G11-LTS-445	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 ANALYST ACC SAM	125-4	CD	RELIANCE	063	YES	RCAP-001-0	SA	13 F	CS	E
1H11-PNL-AC2	H2&O2 ANALYST ACC SAM	125-4	CD	RELIANCE	063	YES	RCAP-001-0	SA	13 F	CS	E
1H11-PNL-BR1	BUFFER RELAY CAB	125-5	CD	RELIANCE	044	YES	99AX400536	SA/HST	37 F	CS,HS	E
1H11-PNL-IDP	MISC CONTROL PANEL	125-12	CD	RELIANCE	063	YES	99AX400590	SA/HST	17 F	CS,HS	E
1H11-PNL-PCM	PRI CONT MONITOR PANEL	125-13	CD	RELIANCE	063	YES	99AX400666	SA/HST	14 F	N	E
1H11-PNL-VC1	TB & MISC VENT	125-6	CD	RELIANCE	063	YES	99AX400536	SA/HST	17 F	CS	E
1H11-PNL-VC2	RB VENT	125-6	CD	RELIANCE	063	YES	99AX400536	SA/HST	17 F	CS	E
1H21-PNL-AX1	AUX RELAY	125-7	CD	RELIANCE	044	YES	99AX400590	SA/HST	32 F	CS,HS	E
1H21-PNL-AX2	AUX RELAY	125-7	CD	RELIANCE	044	YES	99AX400590	SA/HST	32 F	CS,HS	E
1H21-PNL-AX3	AUX RELAY PANEL AX3	125-14	CD	RELIANCE	063	YES	AAI-131	SA/HST	22 F	CS,HS	E
1H21-PNL-AX5	AUX RELAY PANEL AX5	125-14	CD	RELIANCE	063	YES	AAI-131	SA/HST	22 F	CS,HS	E
1H21-PNL-AX6	AUX RELAY PANEL AX6	125-14	CD	RELIANCE	063	YES	AAI-131	SA/HST	22 F	CS,HS	E
1H21-PNL-VX1	VENT AUX RELAY	125-8	CD	RELIANCE	044	YES	99AX0536-VX1	SA/HST	34 F	CS,HS	E
1H21-PNL-VX2	VENT AUX RELAY	125-8	CD	RELIANCE	044	YES	99AX0536-VX1	SA/HST	34 F	CS,HS	E
1H21-PNL-VX3	VENT AUX RELAY	125-8	CD	RELIANCE	044	YES	99AX0536-VX1	SA/HST	23 F	CS,HS	E
1H21-PNL-060	ELEC ANAL INSTR RM	125-1	CD	RELIANCE	044	YES	99AX400679	SA/HST	33 F	CS,HS	H
1H43-HS003	FIRE DET SM STA	319-4	ED	POWERS REG	044	YES	43812-1	HBT	24 F3	CS,HS	H
1H43-HS006	FIRE DET SM STA	319-4	ED	POWERS REG	025	YES	43812-1	HBT	24 F3	CS,HS	H

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CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (218 ITEMS)
15-316

RUN DATE 11/21/63
RUN TIME 12.00.50
PAGE 3

HARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLOG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ	HTNG	SAFE SHUTDOWN	QUAL STATUS
11M3-PNL-C01	C02 DETEC PNL RELAY R1	230	PD	RELIANCE	044	YES	44204-1	HBT	17	F2	N	H
11M3-PNL-C02	C02 SUPVR PNL BATTERY	230	PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H
11M3-PNL-C03	C02 SUPVR PNL BATTERY R	230	PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H
11M3-PNL-C04	C02 SUPVR PNL BATTERY R	230	PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H
11M3-PNL-C05	C02 SUPVR PNL DSL RH 1	230	PD	RELIANCE	015	YES	44204-1	HBT	17	F	N	H
11M3-PNL-C06	C02 SUPVR PNL DSL RH 1	230	PD	RELIANCE	015	YES	44204-1	HBT	17	F	N	H
11M3-PNL-C07	C02 SUPVR PNL DSL RH 1	230	PD	RELIANCE	015	YES	44204-1	HBT	17	F	N	H
11M3-PNL-C08	C02 SUPVR PNL EMER SHG	230	PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H
11M3-PNL-C09	C02 SUPVR PNL EMER SHG	230	PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H
11M3-PNL-C10	C02 SUPVR PNL EMER SHG	230	PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H
11M3-PNL-C11	C02 SUPVR PNL COMPUTER	230	PD	RELIANCE	044	YES	44204-1	HBT	17	F	N	H
11I50-AOV062	RBSVS & CRAC	423-1	CD	FISHER	071	YES	CD76-82	SAT	23	P2	CS,HS	H
11I50-AOV063	RBSVS & CRAC	423-1	CD	FISHER	071	YES	CD76-82	SAT	23	P2	CS,HS	H
11I50-AOV068	CHILLED MTR ISO BY	318-6	CD	COPE'S VULCAN	071	YES	10.3.115	SA	124	P2	CS,HS	H
11I50-AOV069	CHILLED MTR ISO BY	318-6	CD	COPE'S VULCAN	075	YES	10.3.115	SA	124	P2	CS,HS	H
11I50-FT-043	HC-3 EVAP	406-2	CD	ROSEHONT	063	YES	127516	SBT	50	F2	CS,HS	H
11I50-FT-053	HC-4 EVAP	406-2	CD	ROSEHONT	063	YES	127516	SBT	50	F2	CS,HS	H
11I50-LCV025	CH SYSTEM A MAKEUP	318-6	CD	COPE'S VULCAN	672	YES	10.3.115	SA	124	P2	CS,HS	H
11I50-LS 002	ISOL BYP V AOV60A,69A	407-1	CD	MAGNETROL	063	YES	43235-1	HBT	17	F2	HS	H
11I50-LS 025	CH SYSTEM A MAKEUP	407-1	CD	MAGNETROL	063	YES	43235-1	HBT	17	F2	HS	H

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CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (218 ITEMS)
15-316

RUN DATE 11/21/83
RUN TIME 12.00.58
PAGE 4

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ	SAFE HTING	QUAL SHDN	STATUS
1H50HNOV031	CH RETURN	197-5	PD	PRATT	071	YES	D-0034-7	SA	394 P2	CS,HS	H	
1H50HNOV032	CH SUPPLY	197-5	PD	PRATT	075	YES	D-0034-7	SA	394 P2	CS,HS	H	
1H50HNOV033	CH RETURN CROSSOVER	197-5	PD	PRATT	071	YES	D-0034-7	SA	394 P2	CS,HS	H	
1H50HNOV034	CH SUPPLY CROSSOVER	197-5	PD	PRATT	075	YES	D-0034-7	SA	394 P2	CS,HS	H	
1H50P-137	RBSVS & CRAC CH PUMPS	626-2	PD	GOULD PUMPS	063	YES	ME-326	SA	61 F2	CS,HS	H	
1H50P-138	RBSVS & CRAC CH PUMPS	626-2	PD	GOULD PUMPS	063	YES	ME-326	SA	61 F2	CS,HS	H	
1H50P-139	RBSVS & CRAC COND PUMP	62H	PD	WORTHINGTON	063	YES	DHA-000047	SA	31 F2	CS,HS	H	
1H50P-140	RBSVS & CRAC COND PUMP	62H	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	406-2	CD	ROSEMONT	063	YES	127516	SBT	50 F2	CS,HS	H	
1H50PNL-03	CHILLER CONTROL PANEL	106-2	PD	TRANE CO	063	YES	NUC-102	SA	13 F2	CS,HS	H	
1H50PNL-04	CHILLER CONTROL PANEL	106-2	PD	TRANE	063	YES	NUC-102	SA	13 F2	CS,HS	H	
1H50RV091	CHILLED H2O SURGE TANK	191	CD	LONERGAN	072	YES	502644	SA	60 P2	CS,HS	H	
1H50TE 089	RBSVS CHILLED HTR SYS	406-1	CD	ROSEMONT	078	YES	2767	SAT	35+ F2	CS,HS	H	
1H50TH-088	RBSVS & CRAC-SURGE TAN	114-1	PD	BUFFALO TANK	063	YES	WH(B)-122-1A	SA	45 F2	CS,HS	H	
1H50HC-003	RBSVS & CRAC HTR CHILL	106-1	PD	TRANE CO	063	YES	NUC-102	SA	31 F2	CS,HS	H	
1H50HC-004	RBSVS & CRAC HTR CHOLL	106-1	PD	TRANE CO	063	YES	NUC-102	SA	31 F2	CS,HS	H	
1N11HNOV031	2ND STAGE REHEAT STII	88V-14	PD	VELAN	051	YES	SR-6262	SA/SAT	33+ P2	HS	H	
1N11HNOV034	HISC STM FROM HOR ISO	88V-14	PD	VELAN	051	YES	SR-6262	SA/SAT	33+ P	HS	H	
1N11HNOV041	AUXILIARY STEAM SUPPLY	88V-8	PD	VELAN	051	YES	SR-6181	SA/SAT	33+ P	CS	H	

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CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (210 ITEMS)
IS-314

RUN DATE 11/21/83
RUN TIME 12.00.58
PAGE 5

HARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ HTNG	SAFE SHTDN	QUAL STATUS
1P41A0V016	DIESEL HX E-13A OUTLET	423-1	CD	FISHER	025	YES	CD76-82	SA	23 P3	CS	H
1P41AFT 054	MC-3 COND HTR IN	406-2	CD	ROSEKONT	063	YES	127516	HBT	60+ F2	CS,HS	H
1P41AFT 059	MC-4 COND HTR IN	406-2	CD	ROSEKONT	063	YES	127516	HBT	60+ F2	CS,HS	H
1P41AHOV036A	VT CHILL HTR SPLY ISOL	197-4	PD	PRATT	012	YES	D-0034-3	SA	33+ P	CS,HS	H
1P41AHOV036B	VT CHILL HTR SPLY ISOL	197-4	PD	PRATT	012	YES	D-0034-3	SA	33+ P	CS,HS	H
1P41AHOV036C	VT CHILL HTR SPLY ISOL	197-4	PD	PRATT	050	YES	D-0034-4	SA	297 P	CS,HS	H
1P41APS 008	SUCTION 1H50W-139B	348-1	CD	ASCO	063	YES	178	SAT	50+ F2	CS,HS	H
1P41APS 009	SUCTION 1H50W-140B	348-1	CD	ASCO	063	YES	178	SAT	50+ F2	CS,HS	H
1P41ARV 019	OUTLET DIESEL HX-13	191	CD	LONERGAN	028	YES	502644	SA	60 P3	CS,HS	H
1P41ARV 044	CNTRL RH & RBSVS MC-3	191	CD	LONERGAN	072	YES	502644	SA	60 P2	HS	H
1P41ARV 045	CNTRL RH & RBSVS MC-4B	191	CD	LONERGAN	072	YES	502644	SA	60 P2	HS	H
1P41ATCV055	CNTRL RH & RBSVS MC-3	310-3	CD	FISHER CONT.	063	YES	CD76-20	SA	40 P6	CS,HS	H
1P41ATCV060	CNTRL RH & RBSVS MC-4	310-3	CD	FISHER CONT.	063	YES	CD76-20	SA	40 P6	CS,HS	H
1P41ATE 055	CNTRL RH & RBSVS MC-3	406A	CD	CONAX	068	YES	IPS-805	HBT	60 P2	CS,HS	H
1P41ATE 060	CNTRL RH & RBSVS MC-4	406A	CD	CONAX	068	YES	IPS-805	HBT	60 P2	CS,HS	H
1R22ASHG-101	4.16KV EHER BUS 101	39	ED	GEN ELEC CO	025	YES	300-91059	DA/SAT	8 F	CS,HS	H
1R22ASHG-102	4.16KV EHER BUS 102	39	ED	GEN ELEC CO	025	YES	300-91059	DA/SAT	8 F	CS,HS	H
1R22ASHG-103	4.16KV EHER BUS 103	39	ED	GEN ELEC CO	025	YES	300-91059	DA/SAT	8 F	CS,HS	H
1R23APIL-001	480V LOAD RESET PANEL1	125-3	CD	RELIANCE	025	YES	AA1-125	SA/SAT	24 F	CS,HS	E
1R23APIL-002	480V LOAD RESET PANEL2	125-3	CD	RELIANCE	025	YES	AA1-125	SA/SAT	24 F	CS,HS	E

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CONTROL BUILDING CATEGORY I EQUIPMENT
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IS-316

RUN DATE 11/21/83
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PAGE 6

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ	SAFE HTNG	QUAL SHDN	STATUS
1R23=PNL-003	480V LOAD RESET PANELS	125-3	CD	RELIANCE	025	YES	AA1-125	SA/SAT	24	F	CS,HS	E
1R23=SHG-111	480V EHER SHGR BUS 111	95-1	ED	ITE	025	YES	33-48359	HBT	5	F	CS,HS	H
1R23=SHG-112	480V EHER SHGR BUS 112	95-1	ED	ITE	025	YES	33-48359	HBT	5	F	CS,HS	H
1R23=SHG-113	480V EHER SHGR BUS 113	95-1	ED	ITE	025	YES	33-48359	HBT	5	F	CS,HS	H
1R24=MCC1115	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	100-1.01 L2	HBT	4	F	CS,HS	H
1R24=MCC1116	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	100-1.01 L2	HBT	4	F	CS,HS	H
1R24=MCC1125	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	100-1.01 L2	HBT	4	F	CS,HS	H
1R24=MCC1126	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	100-1.01 L2	HBT	4	F	CS,HS	H
1R24=MCC1133	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	100-1.01 L2	HBT	4	F	CS,HS	H
1R24=MCC1134	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	100-1.01 L2	HBT	4	F	CS,HS	H
1R35=PNL-B1	EHER 120V PNL B1-REL R	124-2	ED	SYSTEM CONT	044	YES	15074	SAT	21	F	CS,HS	H
1R35=PNL-B3	EHER 120/240V PANEL	124-2	ED	SYSTEM CONT	020	YES	15074	SAT	21	F	CS,HS	H
1R35=PNL-R1	EHER 120V PNL R1-REL R	124-2	ED	SYSTEM CONT	044	YES	15074	SAT	21	F	CS,HS	H
1R35=PNL-R3	EHER 120/240V PANEL	124-2	ED	SYSTEM CONT	020	YES	15074	SAT	21	F	CS,HS	H
1R35=PNL-01	EHER 120V PNL 01-REL R	124-2	ED	SYSTEM CONT	044	YES	15074	SAT	21	F	CS,HS	H
1R35=PNL-02	EHER 120/240V PANEL	124-2	ED	SYSTEM CONT	020	YES	15074	SAT	21	F	CS,HS	H
1R35=T-B1	XFIR-EHER 120V PNL B1	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	H
1R35=T-B3	XIFR-EHER 120V PNL B3	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	H
1R35=T-R1	XFIR-EHER 120V PNL R1	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	H
1R35=T-R3	XIFR-EHER 120V PNL R3	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	H

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BIAXIAL TESTING
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SINGLE AXIAL TESTING

P =PIPE MOUNTED
TEST ARTICLE
QP =QUALIFIED BY
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SA =STATIC ANALYSIS
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REVISION 16 NOVEMBER 1983

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SHOREHAM UNIT 1
JOB NUMBER 1160002
LILCO DOCMET 50-322

CB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
ROP QUALIFICATION LEVEL (218 ITEMS)
IS-314

RUN DATE 11/21/83
RUN TIME 12:29.58
PAGE 7

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ	HTNG	SAFE SHUTDN	QUAL 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/3050	POWER SUPPLY	421	CD	BAILEY-METER	063	YES	OR-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	3/29/76	SAT	8	F	CS,HS	H
1R42-BC-B1	125VOLT BATTERY CHARGE	118	ED	SOLIDSTATE	025	YES	3/29/76	SAT	8	F	CS,HS	H
1R42-BC-C1	125VOLT BATTERY CHARGE	118	ED	SOLIDSTATE	025	YES	3/29/76	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-B3	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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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 11/21/83
RUN TIME 12.00.50
PAGE 8

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLOG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHDN	QUAL STATUS
1R42-SMG-C1	125 VOC SMG 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-L9 004	FUEL OIL AUX DAY TK	407-2	CD	MAGNETROL	022	YES	43235-1	SAT	17	F3	N	H
1R43-L9 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
1R61-T-012	HT TRACING TRANSFER	240-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F2	CS,HS	H
1T48-PHL-ACH	PC ATH CNTRL	125-9	CD	RELIANCE	063	YES	99AX400600	SA/SAT	19	F	N	E
1T48-PHL-A2	HYD RECOMBIHER CONT CA	289-3	PD	ATONICS INT	063	YES	54591-4	HBT	6	F2	N	H
1T48-RK-25	HYDRO RECOMB CONT CABI	344-2	ED	DELPHI IND	063	YES	1035-5	SA/SAT	29	F2	N	H
1T48-RK-26	HYDRO RECOMB CONT CABI	344-2	ED	DELPHI IND	063	YES	1035-5	SA/SAT	29	F2	N	H
1X41-ACU-14	CONF. RELAY&EM SMGR RM	240	PD	BAHNSON CO	044	YES	A-47-75-01	SA	39	F2	CS,HS	H
1X41-DIMP	FIRE DAMPERS	54	PD	AIR BALANCE	044	YES	AB1-SM-009	SAT	94	F30	CS,HS	H
1X41-FN-029	RELAY&EM SMGR RET FM	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	POWERS REG	031	YES	43812-1	HBT	24	F2	CS,HS	H
1X41-FS 017	FN-24 AIR FLOW	319-4	ED	POWERS REG	044	YES	43812-1	HBT	24	F2	CS,HS	H
1X41-FE 021	ACU-14 COOLING CNTRL	319-4	ED	POWERS REG	044	YES	43812-1	HBT	24	F2	CS,HS	H

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

RUN DATE 11/21/83
RUN TIME 12.00.58
PAGE 9

HARN NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLOG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ	SAFE HTNG	QUAL SHTDN	QUAL STATUS
1X41-HIT021	ACU-14 COOLING CNTRL	319-4	ED	POHERS REG	049	YES	43812-1	HBT	24	F2	CS,HS	H
1X41-H00031	FN-039 OUTDOOR AIR	319-4	ED	POHERS REG	063	YES	43812-1	HBT	24	F2	CS,HS	H
1X41-H00032	FN-039 EXHAUST AIR	319-4	ED	POHERS REG	064	YES	44540-1	HBT	27	F2	CS,HS	H
1X41-H00035	ACU-14A DISCHARGE AIR	319-4	ED	POHERS REG	044	YES	43812-1	HBT	24	F2	CS,HS	H
1X41-H00036	ON FAN FN-29A & B	319-4	ED	POHERS REG	044	YES	43812-1	HBT	24	F2	CS,HS	H
1X41-H00039	FN-72 OUTDOOR AIR	319-4	ED	POHERS REG	037	YES	44057-1	HBT	21	F3	CS,HS	H
1X41-H00040	FN-72 EXHAUST AIR	319-4	ED	POHERS REG	041	YES	44057-1	HBT	21	F3	CS,HS	H
1X41-H00041	FN-72 RETURN AIR	319-4	ED	POHERS REG	035	YES	44057-1	HBT	21	F3	CS,HS	H
1X41-H00059	RELAY & CIPTR RH TEMP	319-4	HD	POHERS REG	044	YES	44057-1	HBT	21	F2	CS,HS	H
1X41-PHLC16	VENT CONTROL PANEL	319-3	ED	POHERS REG	025	YES	1001-4	SA/SAT	24	F	N	H
1X41-PHLC17	VENT CONTROL PANEL	319-3	ED	POHERS REG	025	YES	1001-4	SA/SAT	24	F	N	H
1X41-PHLC18	VENT CONTROL PANEL	319-3	ED	POHERS REG	025	YES	1001-4	SA/SAT	24	F	N	H
1X41-PHLC19	VENT CONTROL PANEL	319-3	ED	POHERS REG	025	YES	1001-4	SA/SAT	24	F	CS,HS	H
1X41-PHLC20	VENT CONTROL PANEL	319-3	ED	POHERS REG	025	YES	1001-4	SA/SAT	24	F	CS,HS	H
1X41-PHLC21	VENT CONTROL PANEL	319-3	ED	POHERS REG	044	YES	1001-4	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	POHERS REG	030	YES	43812-1	HBT	24	F3	CS,HS	H
1X41-TE 021	ACU-14 COOLING CONT	406-1	CD	ROSENDAIT	044	YES	2767	SAT	35+	F2	CS,HS	H
1X41-TI5031	FN-39 CONTROL	319-4	ED	POHERS REG	066	YES	43812-1	HBT	24	F2	CS,HS	H
1X41-TT-001	RH TEMP IND	319-4	ED	POHERS REG	025	YES	43812-1	HBT	24	F2	N	H

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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 (210 ITEMS)
IS-316

RUN DATE 11/21/83
RUN TIME 12.00.50
PAGE 10

HARN NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ	MTNG	SAFE SHDN	QUAL STATUS
1X41=TT-002	RH TEMP IND	319-4	ED	POWERS REG	025	YES	43012-1	HBT	24	F2	N	H
1X41=TT-003	RH TEMP IND	319-4	ED	POWERS REG	025	YES	43012-1	HBT	24	F2	N	H
1X41=TT-004	RH TEMP IND	319-4	ED	POWERS REG	044	YES	43012-1	HBT	24	F2	N	H
1X41=TT-005	RH TEMP IND	319-4	ED	POWERS REG	044	YES	43012-1	HBT	24	F2	N	H
1X41=TT-006	CHILLER EQUIP RH TEMP	319-4	ED	POWERS REG	060	YES	43012-1	HBT	24	F2	N	H
1X41=TT-007	BAT RH TEMP	319-4	ED	POWERS REG	039	YES	43012-1	HBT	24	F2	N	H
1X41=TT-009	COMPUTER RH TEMP	319-4	ED	POWERS REG	044	YES	43012-1	HBT	24	F2	N	H
1X60=FN-020	DIESEL GEN RH SUPPLY F	270-4	PD	BUFFALO FORGE	040	YES	745-11130	SA	20	F3	CS,HS	H
1X60=HOD031	FN-20 OUTDOOR AIR	319-4	ED	POWERS REG	030	YES	44057-1	HBT	21	F3	CS	H
1X60=HOD032	FN-39 HOT DAMPER	319-4	ED	POWERS REG	030	YES	44057-1	HBT	21	F3	CS	H
1X60=HOD033	FN-20 RETURN AIR	319-4	ED	POWERS REG	030	YES	44057-1	HBT	21	F3	CS	H
1X60=PILVC13	VENT CONTROL PANEL	319-3	ED	POWERS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X60=PILVC14	VENT CONTROL PANEL	319-3	ED	POWERS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X60=PILVC15	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-47-75-01	SA	39	F2	CS,HS	H
1X61=AO0037	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=DIMP	FIRE DAMPERS	54	PD	AIR BALANCE	063	YES	AB1-SH-009	SAT	9+	F0	CS,HS	H

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

RUN DATE 11/21/83
RUN TIME 12.00.58
PAGE 11

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1X61=FLT-02	CRAC FILTER TRAINS	105-1	PD	FARR CO	063	YES	D-56302	SA/SAT	17	F2	CS,HS	H
1X61=FN-025	CONTROL ROOM BOOSTER P	102-2	PD	BUFFALO FORGE	063	YES	745-4234A	SA	27	F2	CS,HS	H
1X61=FS 021	FN-25 CNTRL	319-4	ED	POWERS REG	063	YES	43812-1	HBT	24	F2	CS,HS	H
1X61=FS 012	ACU-7 AIR FLOW	319-4	ED	POWERS REG	063	YES	43812-1	HBT	24	F3	CS,HS	H
1X61=HS 038	1X61=AOV038 CONTROL	319-4	ED	POWERS REG	066	YES	43812-1	HBT	24	F2	CS,HS	H
1X61=HE-021	ACU-7 CNTRL	319-4	ED	POWERS REG	063	YES	43812-1	HBT	24	F2	CS,HS	H
1X61=HOD033	FN-25 DISCH AIR	319-4	ED	POWERS REG	063	YES	44540-1	HBT	27	F2	N	H
1X61=HOD034	ACU-7 DISCHARGE AIR	319-4	ED	POWERS 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	ROSEMOUNT	067	YES	2747	SAT	35+	F2	CS,HS	H
1293=TRU502	TRIP/CALIB UNIT	406-5	CD	ROSEMOUNT	063	YES	127531	SAT	57+	F4	CS	H
1295=ENC SX1	SXS ENCLOSURE	125-10	CD	RELIANCE	044	YES	99AX400827	SA	61	F	N	E
1295=ENC SX2	SXS ENCLOSURE	125-10	CD	RELIANCE	044	YES	99AX400827	SA	61	F	N	E
1295=ENC SX3	SXS ENCLOSURE	125-10	CD	RELIANCE	044	YES	99AX400827	SA	61	F	N	E
1297=PHLER1	MULTIPLEX CAB	125-11	CD	RELIANCE	044	YES	99AX401437	SA	14	F	N	E
1297=PHLER2	MULTIPLEX CAB	125-11	CD	RELIANCE	044	YES	99AX401437	SA	14	F	N	E

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SHOREHAM UNIT 1
JOB NUMBER 1160002
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 11/21/83
RUN TIME 12.06.00
PAGE 1

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
1B21-HOV031	3/1	SR-6060	88V-2	PC	2.4	.8	LIMITORQUE	SHB-00-10	H	H
1B21-HOV032	3/1	SR-6060	88V-2	SC	3.5	1.4	LIMITORQUE	SHB-000-5	H	H
1B21-HOV034	3	SR-6060	88V-2	SC	1.4	1.9	LIMITORQUE	SHB-00-7.5	H	H
1B21-HOV035A	20/1	20-1500GL09	88AD-11	SC	2.6	1.1	LIMITORQUE	SHB-1-40	H	H
1B21-HOV035B	20/1	20-1500GL09	88AD-11	SC	3.9	2.2	LIMITORQUE	SHB-1-40	H	H
1B21-HOV061	2/1	SR-6100	253-1	SC	2.0	1.1	LIMITORQUE	SHB-00-10	H	H
1B21-HOV062	2/1	SR-6100	253-1	SC	1.5	1.7	LIMITORQUE	SHB-00-10	H	H
1B21-HOV063	2/1	SR-6100	253-1	SC	2.1	1.3	LIMITORQUE	SHB-00-10	H	H
1B21-HOV064	2/1	SR-6100	253-1	SC	2.0	1.3	LIMITORQUE	SHB-00-10	H	H
1B21-HOV068A	2/1	SR-6100	253-1	SC	1.6	1.0	LIMITORQUE	SHB-000-5	H	H
1B21-HOV068B	2/1	SR-6100	253-1	SC	1.6	1.0	LIMITORQUE	SHB-000-5	H	H
1B21-HOV068C	2/1	SR-6100	253-1	SC	1.9	1.0	LIMITORQUE	SHB-000-5	H	H
1B21-HOV068D	2/1	SR-6100	253-1	SC	1.5	1.2	LIMITORQUE	SHB-000-5	H	H
1B21-HOV083	2/1	SR-6100	253-1	PC	3.0	2.0	LIMITORQUE	SHB-000-5	H	H
1B21-HOV084	2/1	SR-6100	253-1	PC	4.9	2.0	LIMITORQUE	SHB-000-5	H	H
1B21-HOV085	2/1	SR-6100	253-1	PC	4.3	1.9	LIMITORQUE	SHB-000-5	H	H
1B21-SOV313A	.75	HRS265603271	310979	SC	1.5	1.3	—	—	H	—
1B21-SOV313B	.75	HRS265603271	310979	SC	1.5	1.3	—	—	H	—
1B21-SOV314A	.75	HRS265603271	310979	SC	1.5	1.3	—	—	H	—

QUALIFICATION MILESTONES

NOTES

REVISION 16 NOVEMBER 1983

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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)
IS-316

RUN DATE 11/21/83
RUN TIME 12.06.00
PAGE 2

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
1B21nSOV314B	.75	MR5265603271	310979	SC	1.5	1.3	—	—	H	—
1B31nAOV001	.75	10.3.115	310-1	PC	6.9	3.0	COPEB	D-100-60	H	H
1B31nAOV002	.75	10.3.115	310-1	SC	1.5	1.3	COPEB	D-100-60	H	H
1C41nRV021A	1.5	202644	191	SC	2.2	2.1	—	—	H	—
1C41nRV021B	1.5	502644	191	SC	2.0	1.9	—	—	H	—
1D11nHOV032A	1	SR-6190	253-3	PC	2.3	2.3	LIMITORQUE	SHB-000-2	H	H
1D11nHOV032B	1	SR-6190	253-3	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1D11nHOV033A	1	SR-6190	253-3	PC	2.3	2.5	LIMITORQUE	SHB-000-2	H	H
1D11nHOV033B	1	SR-6190	253-3	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1E11nAOV041A	.75	10.3.115	310-5	SC	2.3	.7	COPEB	D-100-60	H	H
1E11nAOV041B	.75	10.3.115	310-5	SC	2.3	.7	COPEB	D-100-60	H	H
1E11nAOV042A	.75	10.3.115	310-5	SC	2.3	.7	COPEB	D-100-60	H	H
1E11nAOV042B	.75	10.3.115	310-5	SC	2.3	.7	COPEB	D-100-60	H	H
1E11nHOV031A	20	E5036-1.2	00AD-7	SC	6.0	1.1	LIMITORQUE	SHB-0-40	H	H
1E11nHOV031B	20	E5036-1.2	00AD-7	SC	4.6	.9	LIMITORQUE	SHB-0-40	H	H
1E11nHOV031C	20	E5036-1.2	00AD-7	SC	7.6	.5	LIMITORQUE	SHB-0-40	H	H
1E11nHOV031D	20	E5036-1.2	00AD-7	SC	4.4	.9	LIMITORQUE	SHB-0-40	H	H
1E11nHOV032A	20	E5036-1.2	00AD-7	SC	5.1	1.0	LIMITORQUE	SHB-0-40	H	H
1E11nHOV032B	20	E5036-1.2	00AD-7	SC	2.0	2.7	LIMITORQUE	SHB-0-40	H	H

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SHOREHAM UNIT 1
JOB NUMBER 1160002
LILCO DOCKET 50-322

RDPH LIST
1-SORT
ACTIVE

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

RUN DATE 11/21/83
RUN TIME 12.06.08
PAGE 3

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		OPERATOR SUPPLIER	6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER			YONE	OPER
1E11uHOV032C	20	E5036-1,2	88AD-7	SC	5.4	6.7	LIMITORQUE	SHB-0-40	H	H
1E11uHOV032D	20	E5036-1,2	88AD-7	SC	2.6	3.9	LIMITORQUE	SHB-0-40	H	H
1E11uHOV033A	16	SR-4266	88V-20	SC	2.9	1.4	LIMITORQUE	SHB-1-60	H	H
1E11uHOV033B	16	SR-4266	88V-20	SC	2.9	2.1	LIMITORQUE	SHB-1-60	H	H
1E11uHOV034A	18	18-300A	88AD-6	SC	2.0	1.7	LIMITORQUE	SHB-3-150	H	H
1E11uHOV034B	18	18-300A	88AD-6	SC	1.9	1.5	LIMITORQUE	SHB-3-150	H	H
1E11uHOV035A	16	SR-4266	88V-20	SC	2.4	1.6	LIMITORQUE	SHB-1-60	H	H
1E11uHOV035B	16	SR-4266	88V-20	SC	3.1	2.3	LIMITORQUE	SHB-1-60	H	H
1E11uHOV036A	24	E5036-19	88AD-10	SC	3.0	3.0	LIMITORQUE	SHB-4-200	H	H
1E11uHOV036B	24	E5036-19	88AD-10	SC	4.6	2.1	LIMITORQUE	SHB-4-200	H	H
1E11uHOV037A	24/1	2422900GT07	88AD-9	SC	5.5	4.6	LIMITORQUE	SB-4-200	H	H
1E11uHOV037B	24/1	2422900GT07	88AD-9	SC	4.2	4.4	LIMITORQUE	SB-4-200	H	H
1E11uHOV038A	10	E5036-20	88AD-2	SC	5.7	1.3	LIMITORQUE	SHB-2-60	H	H
1E11uHOV038B	10	E5036-20	88AD-2	SC	3.5	1.2	LIMITORQUE	SHB-2-60	H	H
1E11uHOV039A	10	SR-6082	88V-16	SC	6.0	2.3	LIMITORQUE	SHB-0-25	H	H
1E11uHOV039B	10	SR-6082	88V-16	SC	4.4	3.6	LIMITORQUE	SHB-0-25	H	H
1E11uHOV040A	16	SR-4266	88V-20	SC	9.7	7.9	LIMITORQUE	SHB-1-60	H	H
1E11uHOV040B	16	SR-4266	88V-20	SC	7.9	3.5	LIMITORQUE	SHB-1-60	H	H
1E11uHOV041A	6	SR-6177	88V-6	SC	2.0	1.4	LIMITORQUE	SHB-00-15	H	H

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SHOREHAM UNIT 1
JOB NUMBER 1140002
LILCO DOCKET 50-322

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY 1 PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)
19-316

RUN DATE 11/21/83
RUN TIME 12.04.98
PAGE 4

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	6 OPER NO.	7 QUAL STATUS	8 YONE OPER
1E11eKOV041B	4	SR-6177	88V-4	SC	LIMITORQUE	SHB-00-15	H H
1E11eKOV042A	4	ES036-4	88AD-5	SC	LIMITORQUE	SHB-3-80	H H
1E11eKOV042B	16	ES036-4	88AD-5	SC	LIMITORQUE	SHB-3-80	H H
1E11eKOV043A	4	SR-6180	88V-4	SC	LIMITORQUE	SHB-00-15	H H
1E11eKOV043B	4	SR-6180	88V-4	SC	LIMITORQUE	SHB-00-15	H H
1E11eKOV044A	4	SR-6180	88V-4	SC	LIMITORQUE	SHB-00-15	H H
1E11eKOV044B	4	SR-6180	88V-4	SC	LIMITORQUE	SHB-00-15	H H
1E11eKOV045A	4	SR-6180	88V-4	SC	LIMITORQUE	SHB-000-5	H H
1E11eKOV045B	4	SR-6180	88V-4	SC	LIMITORQUE	SHB-000-5	H H
1E11eKOV047	20/1	20900-GT06	88AD-8	PC	LIMITORQUE	SB-2-60	H H
1E11eKOV048	20/1	20900-GT06	88AD-8	SC	LIMITORQUE	SB-2-60 *	H H
1E11eKOV049	10	SR-6260	88V-12	SC	LIMITORQUE	SHB-2-60	H H
1E11eKOV050	20	SR-6425	88V-15	SC	LIMITORQUE	SHB-2-60	H H
1E11eKOV051	4	SR-6180	88V-0	SC	LIMITORQUE	SHB-00-7 1/2 *	H H
1E11eKOV052	4	SR-6180	88V-4	SC	LIMITORQUE	SHB-00-10	H H
1E11eKOV053	4	SR-6060	88V-11	SC	LIMITORQUE	SHB-00-10 *	H H
1E11eKOV054	4/1	SR-6060	88V-11	PC	LIMITORQUE	SHB-00-15	H H
1E11eKOV055A	1	SR-6190	253-3	SC	LIMITORQUE	SHB-000-2	H H
1E11eKOV055B	1	SR-6190	253-3	SC	LIMITORQUE	SHB-000-2	H H

REVISION 16 NOVEMBER 1983

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SHOREHAM UNIT 1
JOB NUMBER 1160002
LILCO DOCKET 50-322

RDPH LIST
1-SORT
ACTIVE

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

RUN DATE 11/21/83
RUN TIME 12.06.08
PAGE 5

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-B'S		OPERATOR		6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER	SUPPLIER			YOKE	OPER
1E11wHOV056A	1	SR-6190	253-3	SC	2.3	.7	LIMITORQUE		SHB-000-2	H	H
1E11wHOV056B	1	SR-6190	253-3	SC	2.3	.7	LIMITORQUE		SHB-000-2	H	H
1E11wHOV057A	1	SR-6190	253-3	SC	2.3	.7	LIMITORQUE		SHB-000-2	H	H
1E11wHOV057B	1	SR-6190	253-3	SC	2.3	.7	LIMITORQUE		SHB-000-2	H	H
1E11wPCV003A	10	10.3.115	310-2	SC	2.4	1.9	COPE3		D-100-160	H	H
1E11wPCV003B	10	10.3.115	310-2	SC	1.1	.6	COPE3		D-100-160	H	H
1E11wPCV007A	4	10.3.115	310-5	SC	1.0	.8	COPE3		D-100-100	H	H
1E11wPCV007B	4	10.3.115	310-5	SC	1.1	.9	COPE3		D-100-100	H	H
1E11wRV151A	1	502644	191	SC	1.5	1.3	—		—	H	—
1E11wRV151B	1	502644	191	SC	1.5	1.3	—		—	H	—
1E11wRV151C	1	502644	191	SC	1.5	1.3	—		—	H	—
1E11wRV151D	1	502644	191	SC	1.5	1.3	—		—	H	—
1E11wRV152A	4	502644	191	SC	4.0	2.3	—		—	H	—
1E11wRV152B	4	502644	191	SC	1.1	.9	—		—	H	—
1E11wRV153A	1	502644	191	SC	1.5	1.3	—		—	H	—
1E11wRV153B	1	502644	191	SC	1.5	1.3	—		—	H	—
1E11wRV154	1	502644	191	SC	1.5	1.3	—		—	H	—
1E11wRV155	2	502644	191	SC	1.5	1.3	—		—	H	—
1E11wRV162A	1	502644	191	SC	1.5	1.3	—		—	H	—

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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 ITEM3)
IS-316

RUN DATE 11/21/83
RUN TIME 12.06.00
PAGE 4

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		OPERATOR SUPPLIER	6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER			YOKE	OPER
1E11wRV142B	2	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	-
1E11wSOV144A	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1E11wSOV166B	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1E11wSOV167A	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1E11wSOV167B	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1E11wSOV168	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1E11wSOV169	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1E21wNOV031A	14	E5836-7	88AD-3	SC	2.4	2.0	LIHITORQUE	SHB-000-5	H	H
1E21wNOV031B	14	E5836-7	88AD-3	SC	2.0	.3	LIHITORQUE	SHB-000-5	H	H
1E21wNOV033A	10/1	SR-6259	88V-13	SC	6.9	1.2	LIHITORQUE	SHB-2-80	H	H
1E21wNOV033B	10/1	SR-6259	88V-13	SC	7.6	2.5	LIHITORQUE	SHB-2-80	H	H
1E21wNOV034A	3	SR-6183	88V-1	SC	1.4	.5	LIHITORQUE	SHB-000-5	H	H
1E21wNOV034B	3	SR-6183	88V-1	SC	3.4	1.4	LIHITORQUE	SHB-000-5	H	H
1E21wNOV035A	10	10-300GL	88AD-1	SC	1.0	2.9	LIHITORQUE	SHB-1-40	H	H
1E21wNOV035B	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	-

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SHOREHAM UN
JOB NUMBER 11.02
LILCO DOCKET 50-322

REPH LIST
1-SORT
ACTIVE

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

RUN DATE 11/21/83
RUN TIME 12.06.08
PAGE 4

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	5 OPER LOAD-G'S		OPERATOR		6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER	SUPPLIER			YOKE	OPER
1E11aRV1620	1	502644	191	SC	1.5	1.3	---		---	H	-
1E11aRV163	.75	502644	191	SC	1.5	1.3	---		---	H	-
1E11aRV164	.75	502644	191	SC	1.5	1.3	---		---	H	-
1E11aSOV166A	.75	HR5265603271	310979	SC	1.5	1.3	---		---	H	-
1E11aSOV166B	.75	HR5265603271	310979	SC	1.5	1.3	---		---	H	-
1E11aSOV167A	.75	HR5265603271	310979	SC	1.5	1.3	---		---	H	-
1E11aSOV167B	.75	HR5265603271	310979	SC	1.5	1.3	---		---	H	-
1E11aSOV168	.75	HR5265603271	310979	SC	1.5	1.3	---		---	H	-
1E11aSOV169	.75	HR5265603271	310979	SC	1.5	1.3	---		---	H	-
1E21aMOV031A	14	E5836-7	88AD-3	SC	2.4	2.0	LIMITORQUE		SHB-000-5	H	H
1E21aMOV031B	14	E5836-7	88AD-3	SC	2.0	.3	LIMITORQUE		SHB-000-5	H	H
1E21aMOV033A	10/1	SR-6259	88V-13	SC	6.9	1.2	LIMITORQUE		SHB-2-80	H	H
1E21aMOV033B	10/1	SR-6259	88V-13	SC	7.6	2.5	LIMITORQUE		SHB-2-80	H	H
1E21aMOV034A	3	SR-6183	88V-1	SC	1.4	.5	LIMITORQUE		SHB-000-5	H	H
1E21aMOV034B	3	SR-6183	88V-1	SC	3.4	1.4	LIMITORQUE		SHB-000-5	H	H
1E21aMOV035A	10	10-300GL	88AD-1	SC	1.0	2.9	LIMITORQUE		SHB-1-40	H	H
1E21aMOV035B	10	10-300GL	88AD-1	SC	1.0	2.9	LIMITORQUE		SHB-1-40	H	H
1E21aRV092A	.75	502644	191	SC	1.5	1.3	---		---	H	-
1E21aRV092B	.75	502644	191	SC	1.5	1.3	---		---	H	-

QUALIFICATION MILESTONES

NOTES

REVISION 16 NOVEMBER 1983

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

SHOREHAM LRI
JOB NUMBER 110 J2
LILCO DOCKET 50-322

RBPB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY A FLOOR MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)
IS-314

RUN DATE 11/21/83
RUN TIME 12.06.08
PAGE 7

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	6 OPER LOAD-G'S		7 OPERATOR		8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	TOKE	OPER
1E21aRV093A	1.5	502644	191	SC	1.5	1.3	---	---	H	-
1E21aRV093B	1.5	502644	191	SC	1.5	1.3	---	---	H	-
1E21aRV096A	.75	502644	191	SC	1.5	1.3	---	---	H	-
1E21aRV096B	.75	502644	191	SC	1.5	1.3	---	---	H	-
1E32aNOV021A	1.5/1	SR-6706	253-4	SC	2.7	1.4	LIHITORQUE	SHC-04-5	H	H
1E32aNOV021B	1.5/1	SR-6706	253-4	SC	3.0	2.1	LIHITORQUE	SHC-04-5	H	H
1E32aNOV021C	1.5/1	SR-6706	253-4	SC	2.7	2.6	LIHITORQUE	SHC-04-5	H	H
1E32aNOV021D	1.5/1	SR-6706	253-4	SC	2.6	1.6	LIHITORQUE	SHC-04-5	H	H
1E32aNOV022A	1.5/2	SR-6706	253-4	SC	2.4	1.6	LIHITORQUE	SHC-04-3	H	H
1E32aNOV022B	1.5/2	SR-6706	253-4	SC	2.1	1.9	LIHITORQUE	SHC-04-3	H	H
1E32aNOV022C	1.5/2	SR-6706	253-4	SC	2.4	3.0	LIHITORQUE	SHC-04-3	H	H
1E32aNOV022D	1.5/2	SR-6706	253-4	SC	2.6	.5	LIHITORQUE	SHC-04-3	H	H
1E32aNOV023A	1.5/2	SR-6706	253-4	SC	2.3	.7	LIHITORQUE	SHC-04-3	H	H
1E32aNOV023B	1.5/2	SR-6706	253-4	SC	2.3	.7	LIHITORQUE	SHC-04-3	H	H
1E32aNOV023C	1.5/2	SR-6706	253-4	SC	2.3	.7	LIHITORQUE	SHC-04-3	H	H
1E32aNOV023D	1.5/2	SR-6706	253-4	SC	2.3	.7	LIHITORQUE	SHC-04-3	H	H
1E32aNOV024	2/2	SR-6188	253-1	SC	5.7	2.6	LIHITORQUE	SHB-000-5	H	H
1E32aNOV025	2/2	SR-6188	253-1	SC	2.3	.7	LIHITORQUE	SHB-000-5	H	H
1E32aNOV026	2/2	SR-6188	253-1	SC	6.2	2.8	LIHITORQUE	SHB-000-5	H	H

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SHOREHAM U
JOB NUMBER 11-0002
LILCO DOCKET 50-322

STONE & WEBSTER EN RING CORPORATION
REACTOR BUILDING CATEGORY 4 PIPE MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)
13-316

RUN DATE 11/21/83
RUN TIME 12.06.08
PAGE 8

1 MARK NUMBER	2 PIPE SIZE	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 QUAL STATUS		
				HOR	VER	SUPPLIER	MODEL NO.			
1E32#NOV027	2/2	SR-6188	253-1	SC	2.3	.7	LIMITORQUE	SRB-000-5	M	M
1E91#NOV081	1	10.3.115	318-5	SC	2.3	.7	COPE3	D-100-60	M	M
1E91#NOV082	1	10.3.115	318-5	SC	2.3	.7	COPE3	D-100-60	M	M
1E91#NOV083	1	10.3.115	318-5	SC	2.3	.7	COPE3	D-100-60	M	M
1E91#NOV091	1	10.3.115	318-5	SC	2.3	.7	COPE3	D-100-60	M	M
1E91#NOV095	1	10.3.115	318-5	SC	2.3	.7	COPE3	D-100-60	M	M
1E91#NOV031	16	SR-6266	88V-20	SC	7.0	2.1	LIMITORQUE	SRB-0-25 *	M	M
1E91#NOV032	16	SR-6266	88V-20	SC	7.5	1.3	LIMITORQUE	SRB-0-25 *	M	M
1E91#NOV034	16	SR-6267	88V-18	SC	6.6	1.6	LIMITORQUE	SRB-2-60 *	M	M
1E91#NOV035	16/1	19900-6705	88AD-4	SC	5.5	2.4	LIMITORQUE	SRB-3-100 *	M	M
1E91#NOV036	6	SR-6068	88V-11	SC	2.4	1.1	LIMITORQUE	SRB-00-10 *	M	M
1E91#NOV037	8	SR-6349	88V-22	SC	1.8	.8	LIMITORQUE	SRB-1-25 *	M	M
1E91#NOV038	10	SR-6262	88V-14	SC	2.8	1.2	LIMITORQUE	SRB-1-40 *	M	M
1E91#NOV039	2/2	SR-6188	253-1	SC	2.3	.7	LIMITORQUE	SRB-00-5 *	M	M
1E91#NOV041	10/1	SR-6259	88V-13	PC	1.7	2.0	LIMITORQUE	SRB-3-80	M	M
1E91#NOV042	10/1	SR-6264	88V-17	SC	2.6	.9	LIMITORQUE	SRB-1-60 *	M	M
1E91#NOV043	10	SR-6262	88V-14	SC	1.5	.5	LIMITORQUE	SRB-1-60 *	M	M
1E91#NOV044	10	SR-6270	88V-21	SC	4.4	4.5	LIMITORQUE	SRB-0-15 *	M	M
1E91#NOV047	1/1	SR-6190	253-3	PC	2.3	2.5	LIMITORQUE	SRB-000-2	M	M

SHOREHAM 0
JOB NUMBER 02
LILCO DOCKET 50-322

RSPH LIST
1-SORT
ACTIVE

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

RUN DATE 11/21/83
RUN TIME 12.06.08
PAGE 9

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	6 OPER LOAD-G'S		7 OPERATOR		8 QUAM. STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1E41HNOV048	1/1	SR-6190	253-3	SC	1.4	2.7	LIMITORQUE	SHB-000-2n	H	H
1E41HNOV049	2/2	SR-6180	253-1	SC	3.9	1.4	LIMITORQUE	SHB-000-2n	H	H
1E41PCV142	2/2	2-24451	310-2	SC	2.3	.7	BECH	14-101-ES	H	H
1E41RV145	.75	502644	191	SC	1.5	1.3	---	---	H	-
1E41RV146	1.5	502644	191	SC	1.5	1.3	---	---	H	-
1E41RV147	1.25	502644	191	SC	1.5	1.3	---	---	H	-
1E41RV148	.75	502644	191	SC	1.5	1.3	---	---	H	-
1E51AOV001	1	10.3.115	310-5	SC	2.3	.7	COPE5	D-100-60	H	H
1E51AOV002	1	10.3.115	310-5	SC	2.3	.7	COPE5	D-100-60	H	H
1E51AOV003	1	10.3.115	310-5	SC	2.3	.7	COPE5	D-100-60	H	H
1E51LCV091	1	10.3.115	310-5	SC	2.3	.7	COPE5	D-100-60	H	H
1E51LCV095	1	10.3.115	310-5	SC	2.3	.7	COPE5	D-100-60	H	H
1E51HNOV031	6	SR-6177	88V-6	SC	6.2	1.7	LIMITORQUE	SHB-00-5 n	H	H
1E51HNOV032	6	SR-6177	88V-6	SC	6.5	.6	LIMITORQUE	SHB-00-5 n	H	H
1E51HNOV034	4	SR-6060	88V-11	SC	1.2	1.7	LIMITORQUE	SHB-00-10 n	H	H
1E51HNOV035	4/1	SR-6574	88V-5	SC	2.5	4.7	LIMITORQUE	SHB-00-25 n	H	H
1E51HNOV036	2/2	SR-6180	253-1	SC	.9	.7	LIMITORQUE	SHB-000-5 n	H	H
1E51HNOV037	4	SR-6060	88V-11	SC	3.2	.7	LIMITORQUE	SHB-00-10 n	H	H
1E51HNOV038	2/2	SR-6180	253-1	SC	1.3	.5	LIMITORQUE	SHB-000-5 n	H	H

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SHOREHAM U
JOB NUMBER 11 JE
LILCO DOCKET 50-322

RBPH LIST
1-SORT
ACTIVE

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

RUN DATE 11/21/83
RUN TIME 12.06.00
PAGE 10

1 HARN NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	6 OPER LOAD-B'S		7 OPERATOR		8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1E51uH0V041	3/1	SR-6060	88V-2	PC	2.0	2.7	LIMITORQUE	SHB-00-10	H	H
1E51uH0V042	3/1	SR-6060	88V-2	SC	1.6	1.5	LIMITORQUE	SHB-00-7 1/2	H	H
1E51uH0V043	3	SR-6060	88V-2	SC	.7	.3	LIMITORQUE	SHB-00-7 1/2	H	H
1E51uH0V045	8	SR-6078	88V-10	SC	4.5	7.1	LIMITORQUE	SHB-000-5	H	H
1E51uH0V046	2/2	SR-6100	253-1	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1E51uH0V047	1/1	SR-6777	253-3	PC	1.4	7.5	LIMITORQUE	SHB-000-2	H	H
1E51uH0V048	1/1	SR-6190	253-3	SC	1.1	1.9	LIMITORQUE	SHB-000-2	H	H
1E51uH0V049	1.5/2	SR-6109	253-2	SC	2.6	.8	LIMITORQUE	SHB-000-2	H	H
1E51uPCV142	2/2	2-24451	310-2	SC	1.0	.8	BECK	14-101-DBQ	H	H
1E51uRV 145	.75	502644	191	SC	1.5	1.3	---	---	H	---
1E51uRV 146	.75	502644	191	SC	2.6	1.6	---	---	H	---
1E51uRV 147	1.25	502644	191	SC	1.5	1.3	---	---	H	---
1E51uRV 149	.75	502644	191	SC	1.5	1.3	---	---	H	---
1G11uH0V246	4	SR-6100	88V-4	SC	4.3	2.7	LIMITORQUE	SHB-000-5	H	H
1G11uH0V247	4	SR-6100	88V-4	SC	3.6	5.9	LIMITORQUE	SHB-000-5	H	H
1G11uH0V248	3	SR-6103	88V-1	SC	1.7	1.3	LIMITORQUE	SHB-000-5	H	H
1G11uH0V249	3	SR-6103	88V-1	SC	2.5	1.1	LIMITORQUE	SHB-000-5	H	H
1G11uH0V639	3	SR-6477	88V-24	SC	.9	.5	LIMITORQUE	SHB-000-5	H	H
1G33uH0V030A	4/1	SR-6060	88V-11	PC	3.6	2.4	LIMITORQUE	SHB-00-15	H	H

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FLOOR-MOUNTED (ENTP-9.5)
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SHOREHAM UR
JOB NUMBER 11. J2
LILCO DOCKET 50-322

RDPH LIST
1-SORT
ACTIVE

STONE & WEBSTER ENR. INC. CORPORATION
REACTOR BUILDING CATEGORY 1 FLOOR MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)
15-314

RUN DATE 11/21/83
RUN TIME 12.04.08
PAGE 11

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	5 OPER LOAD-B'S		6 OPERATOR		7 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YONE	OPER
1G33nHOV030B	4/1	SR-6168	88V-11	PC	7.4	3.3	LIHITORQUE	SHB-00-15	H	H
1G33nHOV031	4/1	SR-6161	88V-8	PC	5.5	2.5	LIHITORQUE	SHB-6-40	H	H
1G33nHOV032	4/1	SR-6068	88V-11	PC	6.5	1.4	LIHITORQUE	SHB-00-10	H	H
1G33nHOV033	4/1	SR-6161	88V-8	PC	8.0	.4	LIHITORQUE	SHB-00-25	H	H
1G33nHOV034	4/1	SR-6161	88V-8	SC	4.6	2.4	LIHITORQUE	SHB-00-15	H	H
1G33nHOV035	4	SR-6353	88V-23	SC	1.3	.8	LIHITORQUE	SHB-0-15	H	H
1G33nHOV036	4	SR-6353	88V-23	SC	.9	.5	LIHITORQUE	SHB-0-15	H	H
1G33nHOV037	4	SR-6353	88V-23	SC	.7	.8	LIHITORQUE	SHB-0-15	H	H
1G33nHOV038	4	SR-6068	88V-11	SC	.7	.7	LIHITORQUE	SHB-00-15	H	H
1G33nHOV039	4	SR-6048	88V-11	SC	.6	.6	LIHITORQUE	SHB-00-15	H	H
1G33nHOV040	4	SR-6353	88V-23	SC	1.6	1.0	LIHITORQUE	SHB-0-15	H	H
1G33nHOV041	4/1	SR-6574	88V-3	SC	5.1	3.9	LIHITORQUE	SHB-1-25	H	H
1G33nRV093	.75	502644	191	SC	1.5	1.3	—	—	H	—
1G33nRV095A	.75	502644	191	SC	1.5	1.3	—	—	H	—
1G33nRV095B	.75	502644	191	SC	1.5	1.3	—	—	H	—
1G41nHOV032A	6	1891-1	203	SC	1.3	1.5	LIHITORQUE	SHB-00-10	H	H
1G41nHOV032B	6	1891-1	203	SC	1.1	1.0	LIHITORQUE	SHB-00-10	H	H
1G41nHOV033A	6	SR-6177	88V-6	SC	1.1	1.0	LIHITORQUE	SHB-000-5	H	H
1G41nHOV033B	6	SR-6177	88V-6	SC	1.2	.8	LIHITORQUE	SHB-000-5	H	H

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SHOREHAM U
JOB NUMBER 1 J02
LILCO DOCKET 50-322

RBPM LIST
1-SORT
ACTIVE

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

RUN DATE 11/21/83
RUN TIME 12.06.00
PAGE 12

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		OPERATOR		7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1641HNOV034A	10	SR-6082	88V-16	SC	4.9	1.1	LIHITORQUE	SHB-0-7 1/2	H	H
1641HNOV034B	10	SR-6082	88V-16	SC	1.8	.5	LIHITORQUE	SHB-0-7 1/2	H	H
1641HNOV019A	1	502644	191	SC	1.5	1.3	—	—	H	—
1641HNOV019B	1	502644	191	SC	1.5	1.3	—	—	H	—
1641HNOV024	1	502644	191	SC	1.5	1.3	—	—	H	—
1641HNOV025	1	502644	191	SC	1.5	1.3	—	—	H	—
1P41HNOV033A	20	D-0034-8	197-1	SC	.7	.6	LIHITORQUE	H2BC/SHB0010	H	H
1P41HNOV033B	20	D-0034-8	197-1	SC	.9	.7	LIHITORQUE	H2BC/SHB0010	H	H
1P41HNOV033C	20	D-0034-5	197-1	SC	.8	.4	LIHITORQUE	H2BC/SHB0005	H	H
1P41HNOV033D	20	D-0034-5	197-1	SC	1.1	.7	LIHITORQUE	H2BC/SHB0005	H	H
1P41HNOV034A	20	D-0034-8	197-1	SC	.8	.7	LIHITORQUE	H2BC/SHB010	H	H
1P41HNOV034B	20	D-0034-8	197-1	SC	.1	.1	LIHITORQUE	H2BC/SHB010	H	H
1P41HNOV037A	16	D-0034-2	197-2	SC	.5	.6	LIHITORQUE	H2BC/SHB005	H	H
1P41HNOV037B	16	D-0034-2	197-2	SC	1.0	.7	LIHITORQUE	H2BC/SHB005	H	H
1P41HNOV039A	1/3	1891-1	203	SC	2.3	.7	LIHITORQUE	SHB-000-2	H	H
1P41HNOV039B	1/3	1891-1	203	SC	2.3	.7	LIHITORQUE	SHB-000-2	H	H
1P41HNOV042A	6	D-0034-9	197-3	SC	1.1	1.8	LIHITORQUE	H0BC/SHB002	H	H
1P41HNOV042B	6	D-0034-9	197-3	SC	1.0	1.0	LIHITORQUE	H0BC/SHB002	H	H
1P41HNOV043	1/3	1891-1	203	SC	2.3	.7	LIHITORQUE	SHB-000-2	H	H

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SHOREHAM U
JOB NUMBER 1. 02
LILCO DOCKET 50-322

RBM LIST
1-SORT
ACTIVE

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

RUN DATE 11/21/83
RUN TIME 12.06.08
PAGE 13

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
1P41uHOV102A	1/3	1091-1	203	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1P41uHOV102B	1/3	1091-1	203	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1P41uHOV129A	10	15438	201	SC	1.0	1.3	LIMITORQUE	HIBC/SHB0002	H	H
1P41uHOV129B	10	15438	201	SC	1.3	1.5	LIMITORQUE	HIBC/SHB0002	H	H
1P41uRV024A	1	502644	191	SC	1.5	1.3	---	---	H	-
1P41uRV024B	1	502644	191	SC	1.5	1.3	---	---	H	-
1P41uRV110A	.75	502644	191	SC	1.5	1.3	---	---	H	-
1P41uRV110B	.75	502644	191	SC	1.5	1.3	---	---	H	-
1P41uRV119	.75	502644	191	SC	1.5	1.3	---	---	H	-
1P41uRV130A	.75	502644	191	SC	1.5	1.3	---	---	H	-
1P41uRV130B	.75	502644	191	SC	1.5	1.3	---	---	H	-
1P42uHOV031A	8	SR-6106	88V-9	SC	1.2	.3	LIMITORQUE	SHB-000-5	H	H
1P42uHOV031B	8	SR-6106	88V-9	SC	1.3	.4	LIMITORQUE	SHB-000-5	H	H
1P42uHOV032A	8	SR-6106	88V-9	SC	1.1	1.5	LIMITORQUE	SHB-000-5	H	H
1P42uHOV032B	8	SR-6106	88V-9	SC	1.0	1.2	LIMITORQUE	SHB-000-5	H	H
1P42uHOV033A	6	SR-6199	88V-7	SC	.6	1.0	LIMITORQUE	SHB-000-5	H	H
1P42uHOV033B	6	SR-6199	88V-7	SC	.7	.9	LIMITORQUE	SHB-000-5	H	H
1P42uHOV034A	6	SR-6199	88V-7	SC	1.1	1.3	LIMITORQUE	SHB-000-5	H	H
1P42uHOV034B	6	SR-6199	88V-7	SC	1.3	1.0	LIMITORQUE	SHB-000-5	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 16 NOVEMBER 1983

A =REEVALUATION COMPLETE
B =REQUEST FOR QUAL OR BID ISSUED
C =S/M 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

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

SHOREHAM UP
JOB NUMBER 32
LILCO DOCKET 50-322

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

RUN DATE 11/21/83
RUN TIME 12.04.08
PAGE 14

1 MARK NUMBER	2 PIPE SIZE	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 QUAL STATUS	
				HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1P42#NOV035	4	88V-4	SC	4.6	3.0	LIMITORQUE	SHB-000-5	M	M
1P42#NOV036	4	88V-4	SC	4.6	2.3	LIMITORQUE	SHB-000-5	M	M
1P42#NOV041A	14	88V-19	SC	3.3	2.3	LIMITORQUE	SHB-0-25	M	M
1P42#NOV041B	14	88V-19	SC	2.4	2.7	LIMITORQUE	SHB-0-25	M	M
1P42#NOV042A	14	88V-19	SC	2.0	2.2	LIMITORQUE	SHB-0-25	M	M
1P42#NOV042B	14	88V-19	SC	2.5	1.9	LIMITORQUE	SHB-0-25	M	M
1P42#NOV043A	0	88V-9	SC	.0	.4	LIMITORQUE	SHB-000-5	M	M
1P42#NOV043B	0	88V-9	SC	2.4	.5	LIMITORQUE	SHB-000-5	M	M
1P42#NOV044A	0	88V-9	SC	1.0	.5	LIMITORQUE	SHB-000-5	M	M
1P42#NOV044B	0	88V-9	SC	2.1	1.0	LIMITORQUE	SHB-000-5	M	M
1P42#NOV047	4	88V-4	SC	3.7	4.2	LIMITORQUE	SHB-000-5	M	M
1P42#NOV048	4	88V-4	SC	4.0	3.1	LIMITORQUE	SHB-000-5	M	M
1P42#NOV147	4	88V-4	PC	4.9	4.5	LIMITORQUE	SHB-000-5	M	M
1P42#NOV148	4	88V-4	PC	4.2	1.0	LIMITORQUE	SHB-000-5	M	M
1P42#NOV231	4	88V-4	SC	1.2	.9	LIMITORQUE	SHB-000-5	M	M
1P42#NOV232	3	88V-1	SC	5.2	9.9	LIMITORQUE	SHB-000-5	M	M
1P42#NOV233	3	88V-1	SC	5.9	7.4	LIMITORQUE	SHB-000-5	M	M
1P42#NOV234	3	88V-1	SC	5.6	8.9	LIMITORQUE	SHB-000-5	M	M
1P42#NOV235	3	88V-1	SC	5.9	7.7	LIMITORQUE	SHB-0005	M	M

REVISION 16 NOVEMBER 1983

NOTES

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

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QUALIFICATION MILESTONES

SHOREHAM U
JOB NUMBER 110 J2
LILCO DOCKET 50-322

RDPH LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY 2 FLOOR MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (393 ITEMS)
IS-316

RUN DATE 11/21/83
RUN TIME 12.06.00
PAGE 15

1 HARK NUMBER	2 PIPE SIZE	3 QUAL REF	4 SPEC NO.	5 LOC.	6 OPER LOAD-B'S		7 OPERATOR		8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1P42HMOV236	4	SR-6130	88V-4	SC	6.8	3.3	LIMITORQUE	SHB-000-5	H	H
1P42HMOV237	3	SR-6183	88V-1	SC	4.3	2.2	LIMITORQUE	SHB-000-5	H	H
1P42HMOV238	3	SR-6183	88V-1	SC	5.8	2.0	LIMITORQUE	SHB-000-5	H	H
1P42HMOV239	3	SR-6183	88V-1	SC	8.7	4.4	LIMITORQUE	SHB-000-5	H	H
1P42HMOV240	3	SR-6183	88V-1	SC	1.6	1.6	LIMITORQUE	SHB-000-5	H	H
1P42PCV071	6	10.3.115	318-5	SC	1.0	.6	COPE5	D-100-60	H	H
1P42RV079A	1	502644	191	SC	1.5	1.3	---	---	H	-
1P42RV079B	1	502644	191	SC	1.5	1.3	---	---	H	-
1P42RV080A	1	502644	191	SC	1.5	1.3	---	---	H	-
1P42RV080B	1	502644	191	SC	1.5	1.3	---	---	H	-
1P42RV080C	1	502644	191	SC	1.5	1.3	---	---	H	-
1P42RV080D	1	502644	191	SC	1.5	1.3	---	---	H	-
1P42RV091A	1	502644	191	PC	6.9	3.0	---	---	H	-
1P42RV091B	1	502644	191	PC	6.9	3.0	---	---	H	-
1P42RV291A	.75	502644	191	PC	6.9	3.0	---	---	H	-
1P42RV291B	.75	502644	191	PC	6.9	3.0	---	---	H	-
1P42TCV001H	12	CD76-82	423-2	SC	1.1	1.1	FISHER	656-60	H	H
1P42TCV001X	10	CD76-82	423-3	SC	.9	2.3	FISHER	656-60	H	H
1P42TCV001Y	12	CD76-82	423-2	SC	1.9	.4	FISHER	656-60	H	H

QUALIFICATION MILESTONES

NOTES

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E = HARDWARE MODIFICATION REQ'D
F = QUAL DOC APVD & FILED
G = SORT PAPER COMPLETE
H = COPIES OF DOC TO DISTRIBUTION

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

SHOREHAM U.
JOB NUMBER 1A-0002
LILCO DOCKET 50-322

BBPH LIST
1-SORT
ACTIVE

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

RUN DATE 11/21/83
RUN TIME 12.06.00
PAGE 16

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YONE	OPER
2P42#TCV001Z	10	CD74-02	423-3	SC	2.0	2.1	FISHER	656-60	H	H
1P50#NOV103A	1.5/2	SR-6109	214-1	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50#NOV103B	1.5/2	SR-6109	214-1	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50#NOV104	1	SR-6190	214-3	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1P50#NOV105A	1.5/2	SR-6109	214-1	PC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50#NOV105B	1.5/2	SR-6109	214-1	PC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50#NOV106	1	SR-6190	214-3	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1P50#NOV113A	1	SR-6109	214-1	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50#NOV113B	1	SR-6109	214-1	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50#NOV114A	1	SR-6109	214-1	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50#NOV114B	1	SR-6109	214-1	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1T23#NOV031A	.5	SR-6341	214-2	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1T23#NOV031B	.5	SR-6341	214-2	SC	2.3	.7	LIMITORQUE	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	4.0	3.6	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	1.0	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

QUALIFICATION MILESTONES

NOTES

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- N = DC MOTOR. ALL OTHERS ARE AC
- CL 1 VALVES < OR = 1 IN. ARE FLOOR-MOUNTED (EHIP-9.5)
- 2/1 = 2 IN. CLASS 1

SHOREHAM UT.
JOB NUMBER 11002
LILCO DOCKET 50-322

RBPB LIST
1-SORT
ACTIVE

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

RUN DATE 11/21/83
RUN TIME 12.06.00
PAGE 17

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
1T46-AOV035A	72	R-1062-41	111-3	SC	2.7	.6	BETTIS	T-316 SR2-H13	H	H
1T46-AOV035B	72	R-1062-41	111-3	SC	5.2	.6	BETTIS	T-316 SR2-H13	H	H
1T46-AOV037A	72	CD75-35	111-3	SC	1.0	.7	BETTIS	T-316 SR2-H13	H	H
1T46-AOV037B	72	CD75-35	111-3	SC	.8	.4	BETTIS	T-316 SR2-H13	H	H
1T46-AOV038A	10	4G403	172	PC	1.9	1.5	BETTIS	722C-SR-H13	H	H
1T46-AOV038B	10	4G403	172	SC	1.3	1.3	BETTIS	722C-SR-H13	H	H
1T46-AOV038C	10	4G403	172	SC	1.9	1.5	BETTIS	722C-SR-H13	H	H
1T46-AOV038D	10	4G403	172	SC	1.3	1.3	BETTIS	722C-SR-H13	H	H
1T46-AOV039A	10	4G403	172	PC	1.9	1.5	BETTIS	722C-SR-H13	H	H
1T46-AOV039B	10	4G403	172	SC	1.3	1.3	BETTIS	722C-SR-H13	H	H
1T46-AOV039C	10	4G403	172	SC	4.0	1.6	BETTIS	722C-SR-H13	H	H
1T46-AOV039D	10	4G403	172	SC	2.7	1.4	BETTIS	722C-SR-H13	H	H
1T46-AOV078A	6	10.3.145	310-3	PC	2.5	1.5	COPEL	D-100-100	H	H
1T46-AOV078B	6	10.3.145	310-3	SC	1.3	.4	COPEL	D-100-100	H	H
1T46-AOV079A	6	10.3.151	310-4	SC	2.9	1.3	COPEL	D-100-100	H	H
1T46-AOV079B	6	10.3.151	310-4	SC	3.0	1.5	COPEL	D-100-100	H	H
1T46-TCV-022A	4	2-24451	310-2	SC	.5	.3	BECK	14-101-E3	H	H
1T46-TCV-022B	4	2-24451	310-2	SC	.9	1.0	BECK	14-101-E3	H	H
1T46-TCV-023A	4	2-24451	310-2	SC	1.2	.2	BECK	14-101-E3	H	H

QUALIFICATION HIGHLIGHTS

NOTES

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

SHOREHAM UN1.
JOB NUMBER 1160002
LILCO DOCKET 50-322

RBPB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENG. CORP. ORATION
REACTOR BUILDING CATEGORY I PIPE MOV/ED EQUIPMENT
BOP QUALIFICATION LEVEL (3% ITEMS)
IS-316

RUN DATE 11/21/83
RUN TIME 12.06.08
PAGE 18

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
1T46nTCV-023B	4	2-24451	310-2	SC	1.3	.8	BECK		14-101-E5	H	H
1T46nTCV-024A	4	2-24451	310-2	SC	.9	.6	BECK		14-101-E5	H	H
1T46nTCV-024B	4	2-24451	310-2	SC	1.0	.6	BECK		14-101-E5	H	H
1T46nTCV-025A	4	2-24451	310-2	SC	1.2	.7	BECK		14-101-E5	H	H
1T46nTCV-025B	4	2-24451	310-2	SC	.4	.5	BECK		14-101-E5	H	H
1T46nTCV-026A	4	2-24451	310-2	SC	1.1	.6	BECK		14-101-E5	H	H
1T46nTCV-026B	4	2-24451	310-2	SC	1.0	.6	BECK		14-101-E5	H	H
1T46nTCV-028A	2/3	2-24451	310-2	SC	2.3	.7	BECK		14-101-E5	H	H
1T46nTCV-028B	2/3	2-24451	310-2	SC	2.3	.7	BECK		14-101-E5	H	H
1T46nTCV059A	2/3	2-24451A	310-1	SC	1.0	.1	BECK		14-101-E5	H	H
1T46nTCV059B	2/3	2-24451A	310-1	SC	2.3	.7	BECK		14-101-E5	H	H
1T46nTCV060A	2/3	2-24451A	310-1	SC	.7	.7	BECK		14-101-E5	H	H
1T46nTCV060B	2/3	2-24451A	310-1	SC	2.3	.7	BECK		14-101-E5	H	H
1T47nRV037	.75	502644	191	PC	6.9	3.0	—	—		H	—
1T47nRV038	.75	502644	191	PC	6.9	3.0	—	—		H	—
1T48nHOV009	3	SR-6190	253-3	SC	2.3	.7	LIMITORQUE		SIB-000-2	H	H
1T48nHOV031A	6	SR-6177	88V-6	PC	2.9	1.3	LIMITORQUE		SIB-00-3	H	H
1T48nHOV031B	6	SR-6177	88V-6	PC	6.1	1.8	LIMITORQUE		SIB-00-5	H	H
1T48nHOV032A	6	SR-6177	88V-6	PC	6.5	1.8	LIMITORQUE		SIB-00-7 1/2	H	H

QUALIFICATION MILESTONES

NOTES

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

STONE & WEBSTER ENGINEERING CORPORATION
 REACTOR BUILDING CATEGORY 1 PIPE MOUNTED EQUIPMENT
 BOP QUALIFICATION LEVEL (393 ITEMS)
 19-316

RPH LIST
 1-SORT
 ACTIVE

SHOREHAM UNIT A
 JOB NUMBER 1160002
 LILCO ORDER 50-322

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	6 OPER LOAD-S'S		8 OPERATOR	9 MODEL NO.	10 QUAL STATUS	
					HOR	VER			YONE	OPER
1740#KOV032B	6	SR-6177	88V-6	PC	5.3	3.2	LIMITORQUE	SHB-00-7 1/2	H	H
1740#KOV033A	6	SR-6177	88V-6	SC	4.2	1.5	LIMITORQUE	SHB-00-5	H	H
1740#KOV033B	6	SR-6177	88V-6	SC	4.9	1.3	LIMITORQUE	SHB-00-5	H	H
1740#KOV034A	6	SR-6177	88V-6	SC	5.0	1.5	LIMITORQUE	SHB-00-7 1/2	H	H
1740#KOV034B	6	SR-6177	88V-6	SC	3.7	1.3	LIMITORQUE	SHB-00-7 1/2	H	H
1740#KOV035A	4	SR-6180	88V-4	SC	4.2	2.0	LIMITORQUE	SHB-000-5	H	H
1740#KOV035B	4	SR-6180	88V-4	SC	6.4	5.7	LIMITORQUE	SHB-000-5	H	H
1740#KOV037A	6	SR-6177	88V-6	SC	5.7	0.1	LIMITORQUE	SHB-00-7 1/2	H	H
1740#KOV037B	6	SR-6177	88V-6	SC	4.4	2.0	LIMITORQUE	SHB-00-7 1/2	H	H
1740#KOV038A	4	SR-6180	88V-4	SC	4.1	2.0	LIMITORQUE	SHB-000-5	H	H
1740#KOV038B	4	SR-6180	88V-4	SC	5.0	1.9	LIMITORQUE	SHB-000-5	H	H
1740#KOV040A	6	SR-6177	88V-6	SC	3.9	1.3	LIMITORQUE	SHB-00-7 1/2	H	H
1740#KOV040B	6	SR-6177	88V-6	SC	4.0	1.5	LIMITORQUE	SHB-00-7 1/2	H	H
1740#KOV041	4	SR-6180	88V-4	SC	1.3	.7	LIMITORQUE	SHB-000-5	H	H
1740#KOV042	4	SR-6180	88V-4	SC	1.0	1.3	LIMITORQUE	SHB-000-5	H	H
1740#KOV043A	4	SR-6180	88V-4	SC	2.9	2.5	LIMITORQUE	SHB-000-5	H	H
1740#KOV043B	4	SR-6180	88V-4	SC	5.9	2.0	LIMITORQUE	SHB-000-5	H	H
1740#KOV044A	4	SR-6180	88V-4	SC	6.0	1.9	LIMITORQUE	SHB-000-5	H	H
1740#KOV044B	4	SR-6180	88V-4	SC	4.9	1.8	LIMITORQUE	SHB-000-5	H	H

REVISION 16 NOVEMBER 1983

NOTES

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

QUALIFICATION HISTORY

- A = REEVALUATION COMPLETE
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SHOREHAM I
JOB NUMBER 1 J02
LILCO DOCKET 50-322

RDPH LIST
1-SORT
ACTIVE

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

RUN DATE 11/21/83
RUN TIME 12.04.08
PAGE 20

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
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

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4. 2/1 = 2 IN. CLASS 1

SHOREHAM UNIT 1
JOB NUMBER 1160002
LILCO DOCKET 50-322

RBPB LIST
1-SORT
ACTIVE

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

RUN DATE 11/21/83
RUN TIME 12.06.08
PAGE 21

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YONE	OPER
1T48-SOV128B	.75	HR5265683271	310979	SC	1.5	1.3	—	—	H	—
1T48-SOV129A	.75	HR5265683271	310979	SC	1.5	1.3	—	—	H	—
1T46-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-PCV011A	.25	17759-83N	493	SC	1.5	1.3	—	—	H	—
1Z93-PCV011B	.25	17759-83N	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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SHOREHAM UNIT 1
JOB NUMBER 1160002
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 11/21/83
RUN TIME 11.15.03
PAGE 1

MARK NUMBER	EQUIPMENT DESCRIPTION	NSSS NO.	VENDOR	BLOG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1B21wAOV001	ISOLATION VALVE-HS	B21F022	ROCKWELL	SC002	YES	NEDE-24122-2	SA	0	P4	CS,HS	G
1B21wAOV002	ISOLATION VALVE-HS	B21F020	ROCKWELL	SC002	YES	NEDE-24122-2	SA	0	P4	CS,HS	G
1B21wD-003	CONDENSING CHAMBER	B21D002	GE	SC000	YES	DRF-A00794-11	SA	60+	P	HS,CS	G
1B21wD-004	CONDENSING CHAMBERS	B21D004	GE	SC000	YES	DRF-A00794-11	SA	60+	P2	HS,CS	G
1B21wD-005	CONDENSING CHAMBERS	B21D006	GE	SC000	YES	DRF-A00794-11	SA	60+	P14	HS,CS	G
1B21wPD02A1	DAWNER	B21N004A				SHIP LOOSE			F		G
1B21wPD02B1	DAWNER	B21N007A				SHIP LOOSE			F		G
1B21wPD02C1	DAWNER	B21N008A				SHIP LOOSE			F		G
1B21wPD02D1	DAWNER	B21N009A				SHIP LOOSE			F		G
1B21wPS 920	PRESSURE SWITCH	B21N015	BARKSDALE	CB037	YES	DRF-A001004215E	SAT	33+	F4	CS,HS	G
1B21wRV 092	RELIEF VALVE	B21F013	TARG ROCK	PC099	YES	VPF-5405-3-1	HBT	60+	P11	CS	G
1B21wTE 003	TEMPERATURE ELEMENT	B21N040	ROSEMOUNT	T004	YES	DRF-A00-01364	SA	100	P	CS,HS	G
1B21wTE 043X	TEMPERATURE ELEMENT	B21N016	PYCO	T059	YES	DRF-A00-100491C	SAT	60+	F4	CS,HS	G
1B21wTE 043Y	TEMPERATURE ELEMENT	B21N010	PYCO	T002	YES	DRF-A00-100491C	SAT	60+	F4	CS,HS	G
1B21wTE 059	TEMPERATURE ELEMENT	B21N014	PYCO	T059	YES	DRF-A00-100491C	SAT	60+	F4	CS,HS	G
1B31wMOV031	RECIRC SUCTION VALVE	B31F023	ANCHOR	SC017	YES	305HA661	SA	41	P2	N	G
1B31wMOV032	RECIRC DISCHARGE VALVE	B31F031	ANCHOR	SC014	YES	VPF2809-40	SA/DA	100	P2	N	G
1B31wP- 001	RECIRC PUMP & MOTOR	B31C001	BJ/GE	PC070	YES	206B33C001-HS-1	SA	60+	P2	N	G
1B31wTE 025	TEMPERATURE ELEMENT	B31N023	ROSEMOUNT	PC065	YES	DRF-A00-01364	SA	100	P2	N	G

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

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

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
SC =SECONDARY CONT.
/ =LOCATED ON CONT.
HALL
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REVISION 16 NOVEMBER 1983

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QUANTITY OF ITEMS.

SHOREHAM UNIT 1
JOB NUMBER 1160002
LILCO DOCKET 50-322

NSSS LIST
1-SORT
ACTIVE

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

RUN DATE 11/21/83
RUN TIME 11.15.03
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 ADV	C11-F100				SHIP LOOSE			P		F
1C11-AOV051	SDV ADV	C11-F101				SHIP LOOSE			P		F
1C11-AOV081	HCU DIAPHRAGM VALVE	C11F010	HRI	SC070	YES		SA		P	CS,HS	F
1C11-AOV082	HCU DIAPHRAGM VALVE	C11F011	HRI	SC090	YES		SA		P	CS,HS	F
1C11-HCU-01	CED HYDRA CONT UNIT	C11D001	GE	SC070	YES	383HA053	HST	2	137	CS,HS	G
1C11-LS 049	LEVEL SWITCH	C11N013	MAGNETROL	SC070	YES	43235-1	HBT	30+	F2	CS,HS	G
1C11-LS 095	LEVEL SWITCH	C11N013	MAGNETROL	SC070	YES	43235-1	HBT	30+	F4	CS,HS	G
1C11-LT 049	LEVEL XMITR	C11N010	GOULD	SC070	YES	SHIP LOOSE		11	F4		G
1C11-PT 113	PRESS XMITR	C11N052	ROSEMOUNT	SC063	YES	SHIP LOOSE		50	F		G
1C11-SOV044	HCU SOLENOID VALVE	C11F009	ASCO	SC063					P	CS,HS	B
1C11-SOV052	SDV SOLENOID VALVE	C11F102	ASCO						P		B
1C41-EV 010	EXPLOSIVE VALVE	C41F004	CONAX	SC112	YES	VPF3394-36-2	SBT	25+	P2	N	G
1C41-P-024	STDBY LIQ PUMP&HTR	C41C001	UNION PUM	SC113	YES	VPF-5517-2-2	SDT	40+	F2	N	G
1C41-PI 002	PRESSURE INDICATOR	C41R003	ROBT SHAW	SC112	YES	DRF-A0001041600	SDT	100	F	CS,HS	G
1C41-PT 002	PRESSURE TRANSMITTER	C41N004	ROSEMOUNT	SC112	YES	DRF-A00-1004101	SAT	50	F	CS,HS	G
1C41-TK-003	SLC STORAGE TANK	C41A001	LAICO	SC113	YES	RA542/C41-22	SA	59	F	N	G
1C41-TK-150	SLC ACCUMULATORS	C41A003	HYDRA CON	SC097	YES	DRF C41-22	SA	N/A	P2	N	G
1C41-TS001A	TEMP SWITCH	C41N003	WEED INST	SC112		DRF-A00-01364	SA	40+	F	CS,HS	G
1C51-TIP-004	TIP VALVE GUIDE T	C51J004	GE	SC073	YES	DRF-A00992-H	SAT	100	F4	N	G

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REVISION 14 NOVEMBER 1983

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SHOREHAM UNIT 4
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 11/21/83
RUN TIME 11.15.03
PAGE 3

MARK NUMBER	EQUIPMENT DESCRIPTION	N555 NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1C61aFY 001	DIFF PRESS XMTR	C61H001	ROSEMOUNT	SC008	YES	DRF-A00-1084101	SAT	50	F	N	G
1C61aPIL-RSP	REINOTE SHT ON PIL	C61P001	GE	SC063	YES	SAI-029QA80PA-B	HBT	14	F	N	G
1C61aPT 004	PRESS TRANS	C61H004	BAILEY	SC079	YES	DRF-A001084162C	SAT	100	F	N	G
1C71aPS 003	PRESSURE SWITCH	C71H003	BARKSDALE	CB037	YES	DRF-A001084215E	SAT	33+	F4	CS,HS	G
1E11aE-034	RHR HEAT EXCHANGERS	E11B001	PERFEX CP	SC008	YES	DRF E11-1	DA	14	F2	HS,CS	G
1E11aFT 004	DIFF PRESS XMTR	E11H013	ROSEMOUNT	SC078	YES	DRFA00-1084-101	SAT	50	F	CS,HS	G
1E11aFT 006	DIFF PRESS TRANS	E11H007	ROSEMOUNT	SC008	YES	DRFA00-1084-101	SAT	50	F2	CS,HS	G
1E11aLT 002	LEVEL XMTR	E11H008	BARTON	SC024	YES	DRFA00-1084-47E	HBT	100	F2	CS,HS	G
1E11aP-014	RHR PUMPS & MOTORS	E11C002	BJ/GE	SC008	YES	DRF E11-11	DA	10	F4	CS,HS	G
1E11aPS 134	PRESSURE SWITCH	E11H016	BARKSDALE	SC008	YES	DRFA00-1084215E	SAT	33+	F4	CS,HS	G
1E11aPS 135	PRESSURE SWITCH	E11H020	BARKSDALE	SC008	YES	DRFA00-1084215E	SAT	33+	F4	CS,HS	G
1E11aTE 014	TEMP ELEMENT	E11H009	PYCO	SC023	YES	DRFA00-108491C	SAT	60+	F2	CS,HS	G
1E11aTE 015	TEMP ELEMENT	E11H030	PYCO	SC023	YES	DRFA00-108491C	SAT	60+	F2	CS,HS	G
1E21aP-013	CS PUMPS & MOTORS	E21C001	BJ/GE	SC008	YES	DRF E21-53	DA	12	F2	CS	G
1E21aPIS098	PRESS INDIC SWITCH	E21H010	ROBT SHAM	SC008	YES	DRFA00-1084215E	SAT	33+	F2	CS,HS	G
1E21aPS 012	PRESSURE SWITCH	E21H008	BARKSDALE	SC008	YES	DRFA00-104-141	SAT	33+	F2	CS,HS	G
1E21aPS013	PRESSURE SWITCH	E21H009	BARKSDALE	SC008	YES	DRFA00-104-141	SAT	33+	F2	CS,HS	G
1E32aBLO-13	OUTBD HSIV LCS BLOWER	E32C002	GE	SC074	YES	VPF3830-14-1	SBT	60+	F2	N	G
1E32aBLO-14	INBD HSIV LCS BLOWER	E32C001	GE	SC074	YES	VPF3830-14-1	SBT	60+	F	N	G

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REVISION 16 NOVEMBER 1983

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SHOREHAM UNIT 1
JOB NUMBER 1160002
LILCO DOCKET 50-322

NSSS LIST
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ACTIVE

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

RUN DATE 11/21/83
RUN TIME 11.15.03
PAGE 4

MARK NUMBER	EQUIPMENT DESCRIPTION	NSSS NO.	VENDOR	BLOG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE INITIAT	SAFETY FUNC	QUAL STATUS
1E32#FE037	FLOW METER	E32H006	S&K	SC066	YES	DRFA00-1084150C	SAT	30+	P4	CS,HS	G
1E32#HC-053	HSIV LCS HTR	E32B001	GE	SC078	YES	VPF3630-33-1	HBT	15	P4	N	G
1E32#POT035	DIFF PRESS TRANS	E32H059	ROSEHOUNT	SC063	YES	DRFA00-1084-101	SAT	50	F	CS,HS	G
1E32#POT038	DIFF PRESS TRANS	E32H054	ROSEHOUNT					50	F		G
1E32#PT 033	GAGE PRESS TRANS	E32H055	ROSEHOUNT	SC063	YES	DRFA00-1084-101	SAT	50	F	CS,HS	G
1E32#PT 034	ABS PRESS TRANS	E32H056	ROSEHOUNT	SC063	YES	DRFA00-1084-101	SAT	50	F	CS,HS	G
1E41#LS091	LEVEL SWITCH	E41H014	MAGNETROL	SC016	YES	43235-1	HBT	30+	F	CS,HS	G
1E41#LS092	LEVEL SWITCH	E41H015	MAGNETROL	SC027	YES	43235-1	HBT	30+	F2	CS,HS	G
1E41#LS093A	LEVEL SWITCH	E41H002	MAGNETROL	YARD	YES	43235-1	HBT	30+	F	CS,HS	G
1E41#LS093B	LEVEL SWITCH	E41H003	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	E41H024	PYCO	SC034	YES	DRFA00-1084-91C	SAT	60+	F2	CS,HS	G
1E41#TE054	TEMPERATURE ELEMENT	E41H028	PYCO	SC025	YES	DRFA00-1084-91C	SAT	60+	F2	CS,HS	G
1E41#TE055	TEMPERATURE ELEMENT	E41H029	PYCO	SC017	YES	DRFA00-1084-91C	SAT	60+	F2	CS,HS	G
1E41#TE056	TEMPERATURE ELEMENT	E41H030	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#LS091	LEVEL SWITCH	E51H010	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

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

P =PIPE MOUNTED
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PL =PEDESTAL
QP =QUALIFIED BY
PIPING ANALYSIS
RH =RADHASTE
SA =STATIC ANALYSIS
SAT=SINGLE FREQUENCY
SINGLE AXIAL TESTING

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
SC =SECONDARY CONT.
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HALL
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(SORT PAPER NOT
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REVISION 16 NOVEMBER 1983

NOTE: NUMBER IN
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QUANTITY OF ITEMS.

SHOREHALL UNIT
JOB NUMBER 116L
LILCO DOCKET 50-322

N555 LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING JRATMAN
N555 CATEGORY I EQUIPMENT
N555 QUALIFICATION LEVEL(150 ITEMS)
15-316

RUN DATE 11/21/83
RUN TIME 11.15.03
PAGE 5

HARK NUMBER	EQUIPMENT DESCRIPTION	N555 NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTING	SAFETY FUNC	QUAL STATUS
1E51nTE052	TEMPERATURE ELEMENT	E51N011	PYCO	3C025	YES	DRFA00-1084-91C	SAT	60+	F2	CS,H3	G
1E51nTE053	TEMPERATURE ELEMENT	E51N022	PYCO	3C027	YES	DRFA00-1084-91C	SAT	60+	F2	CS,H3	G
1E51nTE054	TEMPERATURE ELEMENT	E51N023	PYCO	3C063	YES	DRFA00-1084-91C	SAT	60+	F2	CS,H3	G
1E51nTE055	TEMPERATURE ELEMENT	E51N025	PYCO	3C066	YES	DRFA00-1084-91C	SAT	60+	F4	CS,H3	G
1E51nTE056	TEMPERATURE ELEMENT	E51N026	PYCO	3C066	YES	DRFA00-1084-91C	SAT	60+	F4	CS,H3	G
1E51nT1141	THERMOMETER	E51R005	ROBT SHAW	3C008	YES	DRFA00-01364	SA	100	P	CS,H3	G
1E51nTU-005	RCIC TURBINE	E51C002	TERRY	3C008	YES	VPF3622-79(11)-2	SA/IBT	15	F	H3	G
1F11nTO-005	FUEL PREP MACHINE	F11E001	GE	3C174	YES	DRF F0000002-3	DA	N/A	F2	N	G
1F11nTO-008	GEN PURPOSE GRAPPLE	F11E011	GE	3C174	YES	DRF139F11E011L	SA	N/A	F3	N	G
1F13nSL-001	DRYER&SEP SLING	F13E008	CAL PAC	3C174	YES	DRF F13-9	SA	N/A	F	N	G
1F13nTO-016	HEAD STRONGBACK	F13E009	LANCO	3C174	YES	DRF F13-11	SA	N/A	F	N	G
1F14nTO-029	CONT ROD GRAPPLE	F14E002	GE	3C174	YES	DRF139F14E002K	SA	N/A	F	N	G
1F15nCRN-009	REFUEL PLTF ASSY	F15E003	STERN ROG	3C174	YES	DRFF000000022	DA	N/A	F	N	G
1F16nCSK-01	DEF F STRG CONTAIN	F16E009	GE	3C151	YES	139F16E009K1	DA	1	F8	N	G
1F16nRAK-025	POISON CURTAIN	F16E015	BNP	3C151	YES	DRF F16-00009-1	DA	1	F14	N	G
1F16nRAK-09	FUEL RACK(IN VESSEL)	F16E006	VOTAW	3C174			DA		F2	N	E
1F16nRAK-10	STRG RACK(ICR&DEF F)	F16E004	GE	3C137	YES	DRF F16-0003	DA	13	F3	N	G
1F16nRAK-11	NEW FUEL STRG RACKS	F16E007	GE	3C151	YES	DRF F00-00002	DA	N/A	F17	N	G
1G33nFT012	DIFF PRESS TRANS	G33N041	ROSEMOUNT	3C100	YES	DRFA00-1084101K	SAT	50	F	N	G

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BIAXIAL TESTING
IST=IRLTI-FREQUENCY
SINGLE AXIAL TESTING

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REVISION 16 NOVEMBER 1983

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SHOREHAM UN.
JOB NUMBER 1160002
LILCO DOCKET 50-322

NSSS LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
NSSS CATEGORY I EQUIPMENT
NSSS QUALIFICATION LEVEL (150 ITEMS)
19-316

RUN DATE 11/21/83
RUN TIME 11.15.03
PAGE 4

MARK NUMBER	EQUIPMENT DESCRIPTION	NSSS NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE KITING	SAFETY FUNC	QUAL STATUS
1633#TE020E	TEMPERATURE ELEMENT	G33N042	PYCO	PC97	YES	DRFA00-01364	SA	100	P	N	G
1633#TE071	TEMPERATURE ELEMENT	G33N016	PYCO	SC136	YES	DRFA00-1084-91C	SAT	60+	F4	N	G
1633#TIHER	MOTOR DRIVEN THER	G33R616		CB063	YES	DRFA00-1084-61			F2		G
1H11#PIL-401	REAC&CORE COOL BD	H11P601	GE	CB063	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11#PIL-402	RHCU & RECIRC BN	H11P602	GE	CB063	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11#PIL-403	REACTOR CONTROL B	H11P603	GE	CB063	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11#PIL-408	PHR RANGE NEUT CA	H11P608	GE	CB043	YES	SAI-029QA80PA-B	HBT	22	F	N	G
1H11#PIL-409	TRIP SYS A RPS VB	H11P609	GE	CB063	YES	SAI-029QA80PA-B	HBT	22	F	HS,CS	G
1H11#PIL-611	TRIP SYS B RPS VB	H11P611	GE	CB063	YES	SAI-029QA80PA-B	HBT	22	F	HS,CS	G
1H11#PIL-612	FM & RECIRC INSTR	H11P612	GE	CB063	YES	SAI-029QA80PA-B	HBT	19	F	N	G
1H11#PIL-613	PROCESS INSTR CAB	H11P613	GE	CB063	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11#PIL-614	NSS TEMP LH DET VB	H11P614	GE	CB063	YES	SAI-029QA80PA-B	HBT	22	F	N	G
1H11#PIL-617	DIV 1 RHR RELAY VB	H11P617	GE	CB044	YES	SAI-029QA80PA-B	HBT	19	F	HS,CS	G
1H11#PIL-618	RHR RELAY VB	H11P618	GE	CB044	YES	SAI-029QA80PA-B	HBT	19	F	HS,CS	G
1H11#PIL-620	HPCI RELAY VERT BD	H11P620	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	N	G
1H11#PIL-621	IC RELAY VERT BD	H11P621	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11#PIL-622	INBD ISO V RELAY VB	H11P622	GE	CB044	YES	SAI-029QA80PA-B	HBT	21	F	CS	G
1H11#PIL-623	OUTBD ISO V REL VB	H11P623	GE	CB044	YES	SAI-029QA80PA-B	HBT	21	F	CS	G
1H11#PIL-626	DIV 1 COR SP REL VB	H11P626	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G

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REVISION 16 NOVEMBER 1983

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SHOREHAM
JOB NUMBER 11-0002
LILCO DOCKET 50-322

N555 LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
N555 CATEGORY 1 EQUIPMENT
N555 QUALIFICATION LEVEL (150 ITEMS)
IS-316

RURI DATE 11/21/83
RURI TIME 11.15.03
PAGE 7

MARK NUMBER	EQUIPMENT DESCRIPTION	N555 NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1H11-PNL-627	DIV 2 COR SP REL VB	H11P627	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G
1H11-PNL-628	AUTO BLOWDOWN REL VB	H11P628	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G
1H11-PNL-631	AUTO DEPRESS	H11P631	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G
1H11-PNL-635	DIV 1 RAD MONITOR	H11P635	GE	CB063	YES	SAI-029QA80PA-B	HBT	21	F	N	G
1H11-PNL-636	DIV 2 RAD MONITOR	H11P636	GE	CB063	YES	SAI-029QA80PA-B	HBT	21	F	N	G
1H11-PNL-654	MSIL LISHCAGE	H11P654	GE	CB063	YES	SAI-029QA80PA-B	HBT	19	F	N	G
1H11-PNL-655	MSIL LISHCAGE	H11P655	GE	CB063	YES	SAI-029QA80PA-B	HBT	21	F	N	G
1H21-PNL-01	CORE SPRAY RH CH A	H21P001	GE	SC008	YES	SAI-029QA80PA	HBT	11	F	CS	G
1H21-PNL-02	RNCU SYSTEM INST	H21P002	GE	SC151	YES	SAI-029QA80PA	HBT	8	F	N	G
1H21-PNL-04	RX VES L & P RACK	H21P004	GE	SC079	YES	SAI-029QA80PA	HBT	8	F	HS,CS	G
1H21-PNL-05	RX VES L & P RACK	H21P005	GE	SC079	YES	SAI-029QA80PA	HBT	8	F	HS,CS	G
1H21-PNL-06	RECIRC PUMP A RAC	H21P006	GE	SC040	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21-PNL-09	JET PUMP A	H21P009	GE	SC079	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21-PNL-10	JET PUMP INST RH	H21P010	GE	SC079	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21-PNL-14	HPCI INST RACK	H21P014	GE	SC008	YES	SAI-029QA80PA	HBT	8	F	N	G
1H21-PNL-15	MAIN STM FLOW RH A	H21P015	GE	SC040	YES	SAI-029QA80PA	HBT	8	F	N	G
1H21-PNL-16	CS/HPCI LH DET I	H21P016	GE	SC008	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21-PNL-17	RCIC INST RACK	H21P017	GE	SC008	YES	SAI-029QA80PA	HBT	8	F	HS	G
1H21-PNL-18	RHR INST RACK CH	H21P018	GE	SC008	YES	SAI-029QA80PA	HBT	8	F	HS,CS	G

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BIAXIAL TESTING
HST=MULTI-FREQUENCY
SINGLE AXIAL TESTING

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REVISION 16 NOVEMBER 1983

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SHOREHAM UNIT 1
JOB NUMBER 1140002
LILCO DOCKET 50-322

N555 LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
N555 CATEGORY I EQUIPMENT
N555 QUALIFICATION LEVEL (150 ITEMS)
IS-314

RUN DATE 11/21/83
RUN TIME 11.15.03
PAGE 8

MARK NUMBER	EQUIPMENT DESCRIPTION	N555 NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1H21nPHL-19	CORE SPRAY RH CH	H21P019	GE	SC008	YES	SAI-029QA80PA	HBT	11	F	CS	G
1H21nPHL-21	RHR INST RACH CH	H21P021	GE	SC008	YES	SAI-029QA80PA	HBT	8	F	HS,CS	G
1H21nPHL-22	RECIRC PUMP B RAC	H21P022	GE	SC040	YES	SAI-029QA80PA	HBT	8	F	N	G
1H21nPHL-25	MAIN STN FLOW RH	H21P025	GE	SC040	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21nPHL-26	RV LV & PRES RH	H21P026	GE	SC079	YES	SAI-029QA80PA	HBT	11	F	HS,CS	G
1H21nPHL-30	SRW/IRH PREAMP RH	H21P030	GE	SC079	YES	DRF A00-799-14	HBT	4	F	N	G
1H21nPHL-31	SRW/IRH PREAMP RH	H21P031	GE	SC079	YES	DRF A00-799-14	HBT	4	F	N	G
1H21nPHL-32	SRW/IRH PREAMP RH	H21P032	GE	SC079	YES	DRF A00-799-14	HBT	4	F	N	G
1H21nPHL-33	SRW/IRH PREAMP RH	H21P033	GE	SC079	YES	DRF A00-799-14	HBT	4	F	N	G
1H21nPHL-34	HPCI LEAK DET RH	H21P034	GE	SC008	YES	SAI-029QA80PA	HBT	25	F	N	G
1H21nPHL-35	CS/RCIC LH DET I	H21P035	GE	SC040	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21nPHL-36	HPCI LEAK DET RH	H21P036	GE	SC008	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21nPHL-37	RCIC LEAK DET RH	H21P037	GE	SC008	YES	SAI-029QA80PA	HBT	25	F	N	G
1H21nPHL-38	RCIC LEAK DET RH	H21P038	GE	SC040	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21nPHL-41	HN STATION FLOW IR	H21P041	GE	SC040	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21nPHL-73	HSIV LEAKAGE RH	H21P073	GE	SC063	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21nPHL-74	HSIV LEAKAGE RH	H21P074	GE	SC063	YES	SAI-029QA80PA	HBT	8	F	N	G

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SA = STATIC ANALYSIS
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