



LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

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

Direct Dial Number

April 29, 1983

SNRC- 982

54-322

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

- 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, Speical Projects
Shoreham Nuclear Power Station

A048

DWD:bc

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

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. James H. Carpenter
Administrative Judge
Atomic Safety and Licensing
Board Panel
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Daniel F. Brown, Esq.
Attorney
Atomic Safety and Licensing
Board Panel
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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

James Dougherty
3045 Porter Street
Washington, D.C. 20003

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 393
Riverhead, New York 11901

Ralph Shapiro, Esq.
Cahner 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

SHOREHAM UNIT 1
JOB NUMBER 11400
LILCO DOCKET 50-322

RB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I FLOOR-MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (150 ITEMS)

RUN DATE 04/26/83
RUN TIME 14.32.48
PAGE 1

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ MTNG	SAFE SHTDN	QUAL STATUS
1B21*LT007	PRESS TRANSMITTER	406	CD	ROSEMOUNT	SC079		108025	HBT	F2		F
1B21*PNS081	LIMIT SWITCH	159	CD	NAHCO	PC082		QTR112	SAT	P12		F
1B21*PNS082	LIMIT SWITCH	159	CD	NAHCO	SC082		QTR112	SAT	P12		F
1B21*PT 004	PRESS TRANSMITTER	406	CD	ROSEMOUNT	SC079		108025	HBT	F2		F
1B21*PT 153	RV092 MONITOR	406	CD	ROSEMOUNT	SC040	YES	127516	HBT	60+ F11	CS,HS	H
1B21*QEN001	HS SRV ENCHRS	447	PD	SARGENT	PC008	YES	R-S-10078000	DA	9 F11	CS,HS	G
1B21*RV 093	VAC RELIEF VALVES	175	PD	AND. GRIND	PC	YES	TR-77-18	SAT	18 F12	N	B
1B21*TE 147	HST PA STEAM LK DET	406	CD	ROSEMOUNT	SC078	YES	2767	SAT	60+ F2	CS,HS	H
1C61*LT 024	SUPP POOL	406	CD	ROSEMOUNT	SC008	YES	127516	HBT	60+ F	CS,HS	H
1C61*PT 012	DRYHELL PRESS	406	CD	ROSEMOUNT	SC098	YES	127516	HBT	60+ F	CS,HS	H
1C61*PT 104	SAFETY REL VALVE	406	CD	ROSEMOUNT	SC101	YES	127516	HBT	60+ F	CS,HS	H
1C61*TE 021	DRYHELL TEMP	406	CD	ROSEMOUNT	SC150	YES	2767	SAT	60+ F	CS,HS	F
1C61*TE 022	SUPP POOL TEMP	406	CD	ROSEMOUNT	PC028	YES	17607-1	HBT	F2	CS,HS	G
1D11*PNL061	CON DN MON	332	PD	WHC	SC112	YES	45493-1	HBT	12 F	N	H
1D21*RE 085	RAD MONITOR	475	CD	KAHAN	PC074	YES	16683-1	HBT	100 F2	N	F
1E21*P-049	LOOP LEVEL PUMPS	235	PD	GOULD PUMP	SC008	YES	ME-320	SA	60+ F2	CS	H
1E41*P-050	LOOP LEVEL PUMP	235	PD	GOULD PUMP	SC008	YES	ME-320	SA	60+ F	CS	H
1E41*PT 142	TO LUBE OIL COOLER	406	CD	ROSEMOUNT	SC8	YES	127516	HBT	60+ F	CS,HS	H
1E51*P-051	LOOP LEVEL PUMP	235	PD	GOULD PUMP	SC008	YES	ME-320	SA	60+ F	CS	H
1E51*PT 142	TO LUBE OIL COOLER	406	CD	ROSEMOUNT	SC8	YES	127516	HBT	60+ F	CS,HS	H
1F16*RAK-22	HI DENSITY SPNT FUEL R	427	PD	WACHTER	SC137	YES	LIL-T-151	DA	10 F29	N	H

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

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

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
SC =SECONDARY CONT.
/ =LOCATED ON CONT.
HALL
N =NEITHER CS OR HS

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

REVISION 9 - APRIL 1983
NOTE: NUMBER IN
'TYPE MTNG' COLUMN IS
QUANTITY OF ITEMS.

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

RB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I FLOOR-MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (150 ITEMS)

RUN DATE 04/26/83
RUN TIME 14.32.48
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
1F16WRAH-23	PERM CR STOR RACKS	427	PD	HACHTER	SC137	YES	LIL-T-151	DA	10	F	N	H
1F16WRAH-24	TEMP CR STOR RACKS	427	PD	HACHTER	SC137	YES	LIL-T-151	DA	10	F2	N	H
1G11WFT 647	SUPP POOL PUMP BACK	406	CD	ROSEMOUNT	SC008	YES	127516	HBT	60+	F3	CS,HS	H
1G11WLE 642	RB FLOOR LEVEL	473	CD	DELAVAL	SC008	YES	45700-1	HBT	14	F	N	F
1G11WLE 645	RB FLOOD LEVEL	473	CD	DELAVAL	SC008	YES	45700-1	HBT	14	F2	N	F
1G41WE-019	FUEL STG POOL HT EXCHA	190	PD	STRUTHERS CO	SC151	YES	70-06-30787	SA	25	F2	CS,HS	H
1G41WP-023	FUEL STORAGE POOL COOL	062G	PD	GOULD PUMP	SC151	YES	HE-325	SA	33	F2	N	H
1P41WFT 146	RBCLCH HX SERV WATER	406	CD	ROSEMOUNT	SC024	YES	127516	HBT	60+	F2	CS,HS	H
1P41WFT 151	RAD NON SAMPLE	406	CD	ROSEMOUNT	SC008	YES	127516	HBT	60+	F2	CS,HS	H
1P42WE-011	RBCLCH HT EXCHANGER	190	PD	STRUTHERS CO	SC8	YES	70-06-30786	SA	12	F2	CS,HS	H
1P42WE-117	BOOSTER HT EXCH	190	PD	STRUTHERS	SC8	YES	79-06-33475	SA	5+	F2	HS	H
1P42WLS 012	RBCLCH TK-026	407	CD	MAGNETROL	SC160	YES	43235-1	HBT	17	F2	HS	H
1P42WLS 013	RBCLCH TK-026	407	CD	MAGNETROL	SC160	YES	43235-1	HBT	17	F2	HS	H
1P42WP-005	RB CLOSED LOOP COOLING	062G	PD	GOULD PUMP	SC151	YES	HE-354	SA	68	F3	HS	H
1P42WPS 021	PUMP 1P42WP005C DISCH	348	ED	ASCO	SC153	YES	178	SAT	60+	F3	HS	H
1P42WPS 022	PUMP 1P42WP005B DISCH	348	ED	ASCO	SC153	YES	178	SAT	60+	F3	HS	H
1P42WPS 046	PUMP 1P42WP005A DISCH	348	ED	ASCO	SC151	YES	178	SAT	60+	F3	HS	H
1P42WTK-026	RBCLCH HEAD TANK	114	PD	BUFFALO TANK	SC151	YES	NH(B)25-1A	SA	9	F2	HS	F
1P50WPS 105	SERV AIR HDR PRESS	348	ED	ASCO	SC102		178	SAT	60+	F2	CS,HS	H
1P50WPS 113	SERV AIR HDR NORM SUP	348	ED	ASCO	SC102		178	SAT	60+	F2	CS,HS	H
1P50WPT 111	ADS ACCUMULATOR	406	CD	ROSEMOUNT	SC101	YES	127516	HBT	60+	F2	CS,HS	H

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

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

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
SC =SECONDARY CONT.
/ =LOCATED ON CONT.
HALL
N =NEITHER CS OR HS

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

REVISION 9 - APRIL 1983

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

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

RB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I FLOOR-MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (150 ITEMS)

RUN DATE 04/26/83
RUN TIME 14.32.40
PAGE 3

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ MTNG	SAFE SHTDN	QUAL STATUS
1P50wPT 116	SERV AIR HOK PRESS	406	CO	ROSEMOUNT	SC101	YES	127516	HBT	60+ F2	CS,HS	H
1R24wHCC-111H	HTR CNTRL CNTR	115	ED	SQUARE D CO	SC150	YES	108-1.01-L2	HBT	4 F	CS,HS	H
1R24wHCC-111X	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC113	YES	108-1.01-L2	HBT	4 F	CS,HS	H
1R24wHCC-111Y	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC78	YES	108-1.01-L2	HBT	4 F	CS,HS	H
1R24wHCC-111Z	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC79	YES	108-1.01-L2	HBT	4 F	CS,HS	H
1R24wHCC-112H	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC150	YES	108-1.01-L2	HBT	4 F	CS,HS	H
1R24wHCC-112X	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC78	YES	108-1.01-L2	HBT	4 F	CS,HS	H
1R24wHCC-112Y	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC112	YES	108-1.01-L2	HBT	4 F	CS,HS	H
1R24wHCC1111	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4 F	CS,HS	H
1R24wHCC1112	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC113	YES	108-1.01-L2	HBT	4 F	CS,HS	H
1R24wHCC1113	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC113	YES	108-1.01-L2	HBT	4 F	CS,HS	H
1R24wHCC1114	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC151	YES	108-1.01-L2	HBT	4 F	CS,HS	H
1R24wHCC1117	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4 F	CS,HS	H
1R24wHCC1118	480 V MOTOR CONT CENTE	115	ED	SQUARE D CO	SC113	YES	108-1.01-L2	HBT	4 F	CS,HS	H
1R24wHCC1119	480 V MOTOR CONT CENTE	115	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4 F	CS,HS	H
1R24wHCC1121	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4 F	CS,HS	H
1R24wHCC1122	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC79	YES	108-1.01-L2	HBT	4 F	CS,HS	H
1R24wHCC1123	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC113	YES	108-1.01-L2	HBT	4 F	CS,HS	H
1R24wHCC1124	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC151	YES	108-1.01-L2	HBT	4 F	CS,HS	H
1R24wHCC1127	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4 F	CS,HS	H
1R24wHCC1128	480 V MOTOR CONT CENTE	115	ED	SQUARE D CO	SC113	YES	108-1.01-L2	HBT	4 F	CS,HS	H

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

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

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
SC =SECONDARY CONT.
/ =LOCATED ON CONT.
HALL
N =NEITHER CS OR HS

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 =SQRT PAPER COMPLETE
H =COPIES OF DOC TO DISTRIBUTION

REVISION 9 - APRIL 1983
NOTE: NUMBER IN
'TYPE MTNG' COLUMN IS
QUANTITY OF ITEMS.

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

RB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I FLOOR-MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (150 ITEMS)

RUN DATE 04/26/83
RUN TIME 14.32.48
PAGE 4

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHTDN	QUAL STATUS
1R24WICC1129	480 V MOTOR CONT CENTE	115	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24WICC1131	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	SC63	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24WHG-111	LPCI HG SET	439	ED	LOUIS ALLIS	SC150	YES	ME698	SA	27	F	N	H
1R24WHG-112	LPCI HG SET	439	ED	LOUIS ALLIS	SC150	YES	ME698	SA	27	F	N	H
1R24WHG-113	LPCI HG SET	439	ED	LOUIS ALLIS	SC150	YES	ME698	SA	27	F2	N	H
1R24WPHL-B1	480 VAC CKT BKR	115	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WPHL-G1	480 VAC CKT BKR	115	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WPHL-R1	480 VAC CKT BKR	115	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WPHL-R2	480 VAC CKT BKR	115	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WPHL-Y1	480 VAC CKT BKR	115	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WPHL-01	480 VAC CKT BKR	115	ED	SQUARE D CO	SC78	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WPHL-02	480 VAC CKT BKR	115	ED	SQUARE D CO	SC78	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WPHL-03	480 VAC CKT BKR	115	ED	SQUARE D CO	SC78	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WPHL-04	480 VAC CNTRL PHR FEED	115	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24WPHL-111	LPCI SIP PHL	439	ED	LOUIS ALLIS	SC150		84-66829	HBT	27	F	N	H
1R24WPHL-112	LPCI SIP PHL	439	ED	LOUIS ALLIS	SC150		84-66829	HBT	27	F	N	H
1R24WPHL-113	LPCI SIP PHL	439	ED	LOUIS ALLIS	SC150		84-66829	HBT	27	F2	N	H
1R24WTRS111X	LCPI ATS	438	ED	ASCO	SC112	YES	14606	HBT	13	F	CS,HS	H
1R24WTRS112Y	LCPI ATS	438	ED	ASCO	SC112	YES	14606	HBT	13	F	CS,HS	H
1R35WPHL-B2	EMER 120 V PHL B2-SC	124	ED	SYSTEM CONT	SC112	YES	45322-1	HBT	15	F	CS,HS	H
1R35WPHL-R2	EMER 120 V PHL R2-SC	124	ED	SYSTEM CONT	SC112	YES	45322-1	HBT	15	F	CS,HS	H

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

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

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
SC =SECONDARY CONT.
/ =LOCATED ON CONT.
HALL
N =NEITHER CS OR HS

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

REVISION 9 - APRIL 1983
NOTE: NUMBER IN
'TYPE HTNG' COLUMN IS
QUANTITY OF ITEMS.

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

RB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I FLOOR-MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (150 ITEMS)

RUN DATE 04/26/83
RUN TIME 14.32.48
PAGE 5

HARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ MTNG	SAFE SHDN	QUAL STATUS
1R35*T-R2	480-120/240V TRANS	248	ED	MAGNETICS	SC112	YES	HYLE43424-1	HBT	9 F	CS,HS	H
1R35*T-R2	480-120/240V TRANS	248	ED	MAGNETICS	SC112	YES	HYLE43424-1	HBT	9 F	CS,HS	H
1R42*HCC-0A1	125 VDC MOTOR CONT CEN	168	ED	GEN ELEC	SC40	YES	79GPC005	SAT	100 F	CS,HS	H
1R42*HCC-0A2	125 VDC MOTOR CONT CEN	168	ED	GEN ELEC	SC112	YES	79GPC005	SAT	100 F	CS,HS	H
1R42*HCC-0B1	125 VDC MOTOR CONT CEN	168	ED	GEN ELEC	SC40	YES	79GPC005	SAT	100 F	CS,HS	H
1R42*HCC-0B2	125 VDC MOTOR CONT CEN	168	ED	GEN ELEC	SC112	YES	79GPC005	SAT	100 F	CS,HS	H
1T23*Z-EA1	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24 F	CS,HS	G
1T23*Z-EB1	REACTOR CONT ELEC PEN	456	ED	CONAX	PC078	YES	IPS 453	SAT	24 F	CS,HS	G
1T23*Z-EB2	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24 F	CS,HS	G
1T23*Z-ED5	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24 F	CS,HS	G
1T23*Z-ED6	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24 F	CS,HS	G
1T23*Z-HB3	REACTOR CONT ELEC PEN	456	ED	CONAX	PC078	YES	IPS 453	SAT	24 F	CS,HS	G
1T23*Z-HB4	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24 F	CS,HS	G
1T23*Z-HC4	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24 F	CS,HS	G
1T23*Z-HD1	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24 F	CS,HS	G
1T23*Z-HD2	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24 F	CS,HS	G
1T46*AOD040	RB REFUEL LVL EXHAUST	319	CD	POHERS REGUL	SC154	YES	44540-1	SA/SAT	40 F2	CS	H
1T46*AOD041	RB POT CONTAIN AREA EXH	319	CD	POHERS REGUL	SC112	YES	43812-1	SA/SAT	24 F2	CS,HS	H
1T46*CLC-05	RBSVS COOLING COILS	276	PD	BUFFALO FORGE	SC113	YES	80H-27781	SA	5 F2	CS,HS	H
1T46*FLT-01	RBSVS FILTER TRAINS	105	PD	FARR CO	SC112	YES	D-56291	SA/SAT	11 F2	CS,HS	H
1T46*FH-003	RB EXH FANS-RBNVS	270	PD	BUFFALO FORGE	SC124	YES	745-11136	SA	15 F3	CS	H

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

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

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
SC =SECONDARY CONT.
/ =LOCATED ON CONT.
HALL
N =NEITHER CS OR HS

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

REVISION 9 - APRIL 1983
NOTE: NUMBER IN
'TYPE MTNG' COLUMN IS
QUANTITY OF ITEMS.

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

RB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I FLOOR-MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (150 ITEMS)

RUN DATE 04/26/83
RUN TIME 14.32.48
PAGE 6

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ	MTNG	SAFE SHTDN	QUAL STATUS
1T46*FN-079	RB EXH BOOSTER FAN	102	PD	BUFFALO FORGE	SC133	YES	745-4244C	SA	51	F2	CS,HS	H
1T46*FT 004	RBSVS EXH AIR FLOW	319	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	N	H
1T46*HE 002	FLT-1 MOISTURE	319	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	N	H
1T46*HOD031	RBSVS INLET TO MIX PLN	319	CD	POWERS REGUL	SC135	YES	43812-1	SA/SAT	24	F2	CS,HS	H
1T46*HOD034	RBSVS FILTER TRAIN DCH	319	CD	POWERS REGUL	SC182	YES	44540-1	SA/SAT	60	F2	CS	H
1T46*HOD036	FN-3 DISCHARGE AIR	319	CD	POWERS REGUL	SC126	YES	43812-1	SA/SAT	24	F3	CS,HS	H
1T46*HOD047	FN-79 DISCHARGE AIR	319	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	N	H
1T46*HOD048	FLT-1 INLET AIR	319	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	N	H
1T46*PDS045	FN-3 DIFF PRESSURE	319	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	CS,HS	H
1T46*PDS046	FN-3 DIFF PRESSURE	319	CD	POWERS REGUL	SC112	YES	43812-1	SA/SAT	24	F3	CS,HS	H
1T46*PDT003	FLT-1A DIFF PRESSURE	406	CD	ROSEHOUNT	SC112	YES	127516	HBT	60+	F2	CS,HS	H
1T46*PDT043	REACTOR BLDG DIFF	406	CD	ROSEHOUNT	SC220	YES	127516	HBT	60+	F2	CS,HS	H
1T46*TE 001	RBSVS RECIRC AIR TEMP	406	CD	ROSEHOUNT	SC144	YES	2767	SAT	60+	F2	CS,HS	H
1T46*TE 022	AIR RETURN TO UC-2	406	CD	ROSEHOUNT	SC10	YES	2767	SAT	60+	F2	CS,HS	H
1T46*TE 023	AIR RETURN TO UC-3	406	CD	ROSEHOUNT	SC42	YES	2767	SAT	60+	F2	CS,HS	H
1T46*TE 024	AIR RETURN TO UC-4	406	CD	ROSEHOUNT	SC220	YES	2767	SAT	60+	F2	CS,HS	H
1T46*TE 025	AIR RETURN TO UC-5	406	CD	ROSEHOUNT	SC220	YES	2767	SAT	60+	F2	CS,HS	H
1T46*TE 028	HCC RH UNIT COOLER	406	CD	ROSEHOUNT	SC128	YES	2767	SAT	60+	F2	CS,HS	H
1T46*TE 059	*UC-21 UNIT CLR	406	CD	ROSEHOUNT	SC155	YES	2767	SAT	60+	F2	CS,HS	H
1T46*TE 060	*UC-22 UNIT CLR	406	CD	ROSEHOUNT	SC160	YES	2767	SAT	60+	F2	CS,HS	H
1T46*UC-002	UNIT COOLERS-RBSVS	276	PD	BUFFALO FORGE	SC8	YES	80N-27781	SA	5	F2	CS,HS	H

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

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

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
SC =SECONDARY CONT.
/ =LOCATED ON CONT.
HALL
N =NEITHER CS OR HS

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

REVISION 9 - APRIL 1983

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

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

RB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I FLOOR-MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (150 ITEMS)

RUN DATE 04/26/83
RUN TIME 14.32.48
PAGE 7

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ MTNG	SAFE SHTDN	QUAL STATUS
1T46WUC-003	UNIT COOLERS-RBSVS	276	PD	BUFFALO FORGE	SC000	YES	80N-27781	SA	5 F2	CS,HS	H
1T46WUC-004	UNIT COOLERS-RBSVS	276	PD	BUFFALO FORGE	SC175	YES	80N-27781	SA	5 F2	CS,HS	H
1T46WUC-005	UNIT COOLERS-RBSVS	276	PD	BUFFALO FORGE	SC175	YES	80N-27781	SA	5 F2	CS,HS	H
1T46WUC-020	UNIT COOLERS-HCC IN RB	276	PD	BUFFALO FORGE	SC112	YES	80N-27781	SA	5 F2	CS,HS	H
1T46WUC-021	UNIT COOLERS	276	PD	BUFFALO FORGE	SC150	YES	80N-27781	SA	5 F2	CS,HS	H
1T46WUC-022	UNIT COOLERS - RBSVS	276	PD	BUFFALO FORGE	SC161	YES	80N-27781	SA	5 F2	CS,HS	H
1T46WUC-023	UNIT COOLER HCC RB	276	PD	BUFFALO FORGE	SC040	YES	80N-27903-6	SA	5 F	N	H
1T48WFT 005H	HEPA FILTER INLET	406	CD	ROSEMOUNT	SC113	YES	127516	SAT	60+ F2	CS,HS	H
1T48WLS 061	COND LEVEL	407	CD	MAGNETROL	SC73	YES	43235-1	HBT	17 F2	HS	H
1T48WPHL-48	HYD RECOMB POWER CABIN	289	PD	ATONICS INT	SC112	YES	58083	HBT	14 F2	N	H
1T48WPHL-68	GAS ANALYZER-DRYHELL	344	PD	DELPHI IND	SC112	YES	1035-1	HBT	18 F2	N	H
1T48WPHL-69	GAS ANALYZER-SUPPR CHM	344	PD	DELPHI IND	SC112	YES	1035-1	HBT	18 F2	N	H
1T48WRC-002	HYD RECOMB UNIT	289	PD	ATONICS INT	SC112	YES	54591-2	HBT	14 F2	N	H
1293WLT 001	SUPPRESSION POOL LEVEL	406	CD	ROSEMOUNT	SC8	YES	127516	SAT	60+ F2	CS,HS	H
1293WPT 003	DRYHELL PRESSURE	406	CD	ROSEMOUNT	SC98	YES	108025	HBT	60+ F2	CS,HS	H
1293WPT 004	SUPP POOL PRESS	406	CD	ROSEMOUNT	SC40	YES	108025	HBT	60+ F2	CS,HS	H
1293WTE 110	RV092ACL DISCHARGE-1FT	406	CD	ROSEMOUNT	PC28	YES	17607-1	HBT	F4	N	G
1293WTE 111	RV092BDE DISCHARGE-1FT	406	CD	ROSEMOUNT	PC28	YES	17607-1	HBT	F4	N	G
1293WTE 112	RV092HG DISCHARGE-1FT	406	CD	ROSEMOUNT	PC28	YES	17607-1	HBT	F4	N	G
1293WTE 113	RV092FHJ DISCHARGE-1FT	406	CD	ROSEMOUNT	PC28	YES	17607-1	HBT	F4	N	G
1293WTE 132	RV092ACL DISCHARGE-2FT	406	CD	ROSEMOUNT	PC28	YES	17607-1	HBT	F2	N	G

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

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

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
SC =SECONDARY CONT.
/ =LOCATED ON CONT.
HALL
N =NEITHER CS OR HS

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

REVISION 9 - APRIL 1983
NOTE: NUMBER IN
'TYPE MTNG' COLUMN IS
QUANTITY OF ITEMS.

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

RB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
REACTOR BUILDING CATEGORY I FLOOR-MOUNTED EQUIPMENT
BOP QUALIFICATION LEVEL (150 ITEMS)

RUN DATE 04/26/83
RUN TIME 14.32.48
PAGE 8

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ HTNG	SAFE SHTDN	QUAL STATUS
1293*TE 133	RV092BDE DISCHARGE-2FT	406	CD	ROSEMOUNT	PC20	YES	17607-1	HBT	F2	N	G
1293*TE 134	RV092KG DISCHARGE-2FT	406	CD	ROSEMOUNT	PC20	YES	17607-1	HBT	F2	N	G
1293*TE 135	RV092FHJ DISCHARGE-2FT	406	CD	ROSEMOUNT	PC20	YES	17607-1	HBT	F2	N	G

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

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

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
SC =SECONDARY CONT.
/ =LOCATED ON CONT.
HALL
N =NEITHER CS OR HS

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

REVISION 9 - APRIL 1983
NOTE: NUMBER IN
'TYPE HTNG' COLUMN IS
QUANTITY OF ITEMS.

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

M LIST
1-SORT
ACTIVE

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

RUN DATE 04/26/83
RUN TIME 14.32.51
PAGE 1

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHTDN	QUAL STATUS
1C61*PT-011	SVC WTR HDR PRESS	406	CD	ROSEMOUNT	SH	YES	127516	HBT	60+	F	CS,HS	F
1P41*HOV031	SERV WATER DIS	197	PD	PRATT	SH020	YES	D-0034-1	SA/SAT	33+	P4	CS,HS	H
1P41*HOV032	SERV WATER HDR IV	197	PD	PRATT	SH033	YES	D-0034-6	SA/SAT	33+	P2	CS,HS	H
1P41*HOV035	T BELOW SUPPLY IV	197	PD	PRATT	SH025	YES	D-0034-6	SA/SAT	33+	P2	N	H
1P41*P-003	SERVICE WATER PUMPS	057	PD	BINGHAM-HILL	SH021	YES	ME-016	SA	20	F4	CS,HS	H
1P41*PDT150	SERV WTR DIFF	406	CD	ROSEMOUNT	SH	YES	127516	HBT		F4	CS,HS	F
1P41*PHL-FX1	FD AUX RELAY CABINET	125	CD	RELIANCE	SH023	YES	99AX400708	SA/SAT	33+	F	CS,HS	H
1P41*S-001	SERVICE WATER STRAINER	081	PD	RP ADAMS CO	SH026	YES	N07503	DA	17	F4	CS,HS	H
1R24*HCC1110	480 V MOTOR CONT CENTE	115	ED	SQUARE D CO	SH021	YES	108-1.01L2	HBT	4	F	CS,HS	H
1R24*HCC1120	480 V MOTOR CONT CENTE	115	ED	SQUARE D CO	SH021	YES	108-1.01L2	HBT	4	F	CS,HS	H
1R43*P-201	FUEL OIL XFER PU	420	PD	CRANE CO	YD020	YES	HE572	SA	13	F3	CS	H
1R43*P-202	FUEL OIL XFER PU	420	PD	CRANE CO	YD020	YES	HE572	SA	13	F3	CS	H
1R43*RV025	P-202 DISCH	191	CD	LONERGAN	PH024	YES	502644	SA	60	P3		F
1R43*RV026	P-201 DISCH	191	CD	LONERGAN	PH024	YES	502644	SA	60	P3		F
1R43*TK-132	FUEL OIL STORAGE	114	PD	BUFFALO TANK	YD020	YES	NH(B)-22	SA	14	F3	CS	H
1X41*FH-068	SCRIBELL PUMPHSE SUP	270	PD	BUFFALO FORGE	SH034	YES	745-11140	SA	26+	F2	CS,HS	H
1X41*HOD042	FH-68 OUTDOOR AIR	319	CD	POHRS	SH025	YES	44057-1	HBT	21	F2	CS,HS	H
1X41*HOD043	FH-68 EXHAUST AIR	319	CD	POHRS	SH025	YES	44057-1	HBT	21	F2	CS,HS	H
1X41*HOD044	FH-68 RETURN AIR	319	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=MULTI-FREQUENCY
BIAXIAL TESTING
HST=MULTI-FREQUENCY
SINGLE AXIAL TESTING

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

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
SC =SECONDARY CONT.
* =LOCATED ON CONT.
HALL
N =NEITHER CS OR HS

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

REVISION 9 - APRIL 1983

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

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

M LIST
1-SORT
ACTIVE

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

RUN DATE 04/26/83
RUN TIME 14.32.51
PAGE 2

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE MTNG	SAFE SHTDN	QUAL STATUS
1X41*TT008	SCRHL PUMPHSE TEMP	319	CD	POMERS	SH025	YES	43812-1	HBT	24	F2	N	H

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

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

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
SC =SECONDARY CONT.
* =LOCATED ON CONT.
HALL
N =NEITHER CS OR HS

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

REVISION 9 - APRIL 1983

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

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

CB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (219 ITEMS)

RUN DATE 04/26/83
RUN TIME 14.32.39
PAGE 1

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE MTNG	SAFE SHTDN	QUAL STATUS
1B21*PIU-501	TRIP/CALIB UNIT	406	CD	ROSEMOUNT	063	YES	127531	SAT	57+	F	N	F
1B21*TE-037	NH STM LINE TURB AREA	406	CD	ROSEMOUNT	042	YES	2767	SAT	35+	F4	CS,HS	H
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 PNL	332	PD	NHC	044	YES	45493-1	HBT	14	F2	N	H
1D11*PHL-026	CONT ROOM MONITOR PNL	332	PD	NHC	044	YES	45493-1	HBT	14	F2	N	H
1D11*PHL-027	CONT RM VENT MONIT PNL	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 PNL	332	PD	NHC	063	YES	45493-1	HBT	6	F2	N	H
1D11*PHL-117	RAD MON SYS IND	475	PD	KAHAN	063					F2		B
1D11*PHL-126	STA VENT MONITOR	475	PD	KAHAN	063	YES	16435	HBT	4	F	N	H
1D11*PHL-134	RB SVS MONITOR	475	PD	KAHAN	113	YES	16435	HBT	4	F	N	H
1D11*PHL-135	MICROCOMP FOR PNL126	475	PD	KAHAN	063	YES	16435-A	HBT	19	F	N	H
1D11*PHL-137	MICROCOMP FOR PNL134	475	PD	KAHAN	063	YES	16435-A	HBT	19	F	N	H
1G11*LTS-642	TK56 LEVEL	473	CD	DELAVAL	063	YES	45700-1	HBT	14	F	N	F
1G11*LTS-645	RB FLOOD LEVEL	473	CD	DELAVAL	063	YES	45700-1	HBT	14	F2	N	F
1G11*THU-500	TRIP/CALIB UNIT	406	CD	ROSEMOUNT	063	YES	127531	SAT	57+	F2	N	F
1H11*HCB-01	MAIN CONTROL BOARD	120	CD	RELANCE	063	YES	43331-1	SA/HST	16	F	CS,HS	H

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

P =PIPE MOUNTED
* TEST ARTICLE
QP = QUALIFIED P.Y
PIPING ANALYSIS
SA =STATIC ANALYSIS
SAT=SINGLE FREQUENCY
SINGLE AXIAL TESTING

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
N =NEITHER CS OR HS

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

REVISION 9 - APRIL 1983
NOTE: NUMBER IN
'TYPE MTNG' COLUMN IS
QUANTITY OF ITEMS.

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

CB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (219 ITEMS)

RUN DATE 04/26/83
RUN TIME 14.32.39
PAGE 2

HARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHDN	QUAL STATUS
1H11*PHL-AC1	H2&O2 ANAL&PST ACC SAM	125	CD	RELIANCE	063		RCAP-001-0	SA	13	F	CS	B
1H11*PHL-AC2	H2&O2 ANAL&PST ACC SAM	125	CD	RELIANCE	063		RCAP-001-0	SA	13	F	CS	B
1H11*PHL-BR1	BUFFER RELAY CAB	125	CD	RELIANCE	044	YES	99AX400536	SA/HST	37	F	CS,HS	B
1H11*PHL-HXP	MISC CONTROL PANEL	125	CD	RELIANCE	063	YES	99AX400590	SA/HST	17	F	CS,HS	B
1H11*PHL-PCM	PRI CONT MONITOR PANEL	125	CD	RELIANCE	063	YES	99AX400666	SA/HST	14	F	N	B
1H11*PHL-VC1	TB & MISC VENT	125	CD	RELIANCE	063	YES	99AX400536	SA/HST	17	F	CS	B
1H11*PHL-VC2	RB VENT	125	CD	RELIANCE	063	YES	99AX400536	SA/HST	17	F	CS	B
1H21*PHL-AX1	AUX RELAY	125	CD	RELIANCE	044	YES	99AX400590	SA/HST	32	F	CS,HS	B
1H21*PHL-AX2	AUX RELAY	125	CD	RELIANCE	044	YES	99AX400590	SA/HST	32	F	CS,HS	B
1H21*PHL-AX3	AUX RELAY PANEL AX3	125	CD	RELIANCE	063	YES	AAI-131	SA/HST	22	F	CS,HS	B
1H21*PHL-AX5	AUX RELAY PANEL AX5	125	CD	RELIANCE	063	YES	AAI-131	SA/HST	22	F	CS,HS	B
1H21*PHL-AX6	AUX RELAY PANEL AX6	125	CD	RELIANCE	063	YES	AAI-131	SA/HST	22	F	CS,HS	B
1H21*PHL-VX1	VENT AUX RELAY	125	CD	RELIANCE	044	YES	99AX0536-VX1	SA/HST	34	F	CS,HS	B
1H21*PHL-VX2	VENT AUX RELAY	125	CD	RELIANCE	044	YES	99AX0536-VX1	SA/HST	34	F	CS,HS	B
1H21*PHL-VX3	VENT AUX RELAY	125	CD	RELIANCE	044	YES	99AX0536-VX1	SA/HST	23	F	CS,HS	B
1H21*PHL-060	ELEC ANAL INSTR RH	125	CD	RELIANCE	044	YES	99AX400679	SA/HST	33	F	CS,HS	H
1H43*HS003	FIRE DET SH STA	319	ED	POWERS REG	044	YES	43812-1	HBT	24	F	CS,HS	H
1H43*HS006	FIRE DET SH STA	319	ED	POWERS REG	025	YES	43812-1	HBT	24		CS,HS	H
1H43*PHL-C01	C02 DETEC PNL RELAY R1	238	PD	RELIANCE	044	YES	44204-1	HBT	17	F2	N	H
1H43*PHL-C02	C02 SUPVR PNL BATTERY	238	PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H
1H43*PHL-C03	C02 SUPVR PNL BATTERY R	238	PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H

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

P =PIPE MOUNTED
* TEST ARTICLE
QP = QUALIFIED BY
PIPING ANALYSIS
SA =STATIC ANALYSIS
SAT=SINGLE FREQUENCY
SINGLE AXIAL TESTING

SBT=SINGLE FREQUENCY
BIAXIAL TESTING

N =NEITHER CS OR HS

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 =SQRT PAPER COMPLETE
H =COPIES OF DOC TO DISTRIBUTION

REVISION 9 - APRIL 1983

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

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

CB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (219 ITEMS)

RUN DATE 04/26/83
RUN TIME 14.32.39
PAGE 3

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC DIV. NO. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE MTNG	SAFE SHTDM	QUAL STATUS
1143*PHL-C04	C02 SUPVR PHL BATTERY R	238 PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H
1143*PHL-C05	C02 SUPVR PHL DSL RH 1	238 PD	RELIANCE	015	YES	44204-1	HBT	17	F	N	H
1143*PHL-C06	C02 SUPVR PHL DSL RH 1	238 PD	RELIANCE	015	YES	44204-1	HBT	17	F	N	H
1143*PHL-C07	C02 SUPVR PHL DSL RH 1	238 PD	RELIANCE	015	YES	44204-1	HBT	17	F	N	H
1143*PHL-C08	C02 SUPVR PHL EMER SHG	238 PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H
1143*PHL-C09	C02 SUPVR PHL EMER SHG	238 PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H
1143*PHL-C10	C02 SUPVR PHL EMER SHG	238 PD	RELIANCE	025	YES	44204-1	HBT	17	F	N	H
1143*PHL-C11	C02 SUPVR PHL COMPUTER	238 PD	RELIANCE	044	YES	44204-1	HBT	17	F	N	H
1150*AOV062	RBSVS & CRAC	423 CD	FISHER	071	YES	CD76-82	SAT	23	P2	CS,HS	H
1150*AOV063	RBSVS & CRAC	423 CD	FISHER	071	YES	CD76-82	SAT	23	P2	CS,HS	H
1150*AOV068	CHILLED HTR ISO BY	318 CD	COPEES VULCAN	071	YES	10.3.115	SA	124	P2	CS,HS	H
1150*AOV069	CHILLED HTR ISO BY	318 CD	COPEES VULCAN	075	YES	10.3.115	SA	124	P2	CS,HS	H
1150*FT-043	HC-3 EVAP	406 CD	ROSEHONT	063	YES	127516	SBT	50	F2	CS,HS	H
1150*FT-053	HC-4 EVAP	406 CD	ROSEHONT	063	YES	127516	SBT	50	F2	CS,HS	H
1150*LCV025	CH SYSTEM A MAKEUP	318 CD	COPEES VULCAN	072	YES	10.3.115	SA	124	P2	CS,HS	H
1150*LS 002	ISOL BYP V AOV66A,69A	407 CD	MAGNETROL	063	YES	43235-1	HBT	17	F2	HS	H
1150*LS 025	CH SYSTEM A MAKEUP	407 CD	MAGNETROL	063	YES	43235-1	HBT	17	F2	HS	H
1150*HOV031	CH RETURN	197 PD	PRATT	071	YES	D-0034-7	SA	394	P2	CS,HS	H
1150*HOV032	CH SUPPLY	197 PD	PRATT	075	YES	D-0034-7	SA	394	P2	CS,HS	H
1150*HOV033	CH RETURN CROSSOVER	197 PD	PRATT	071	YES	D-0034-7	SA	394	P2	CS,HS	H
1150*HOV034	CH SUPPLY CROSSOVER	197 PD	PRATT	075	YES	D-0034-7	SA	394	P2	CS,HS	H

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

P =PIPE MOUNTED
* TEST ARTICLE
QP = QUALIFIED BY
PIPING ANALYSIS
SA =STATIC ANALYSIS
SAT=SINGLE FREQUENCY
SINGLE AXIAL TESTING

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
N =NEITHER CS OR HS

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

REVISION 9 - APRIL 1983
NOTE: NUMBER IN
'TYPE MTNG' COLUMN IS
QUANTITY OF ITEMS.

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

CB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (219 ITEMS)

RUN DATE 04/26/83
RUN TIME 14.32.39
PAGE 4

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC DIV. NO. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE MTNG	SAFE SHTDN	QUAL STATUS
1H50WP-137	RBSVS & CRAC CH PUMPS	62G PD	GOULD PUMPS	063	YES	HE-326	SA	01	F2	CS,HS	H
1H50WP-138	RBSVS & CRAC CH PUMPS	62G PD	GOULD PUMPS	063	YES	HE-326	SA	01	F2	CS,HS	H
1H50WP-139	RESVS & CRAC COND PUMP	62H PD	WORTHINGTON	063	YES	DHA-000047	SA	31	F2	CS,HS	H
1H50WP-140	RBSVS & CRAC COND PUMP	62H PD	WORTHINGTON	063	YES	DHA-000047	SA	31	F2	CS,HS	H
1H50PCV019	RBSV H50 DIFF PRESS	310 CD	FISHER CONTROL	063	YES	2-24451	SA/SAT	25	P2	CS	H
1H50PDT019	RBSVS H50 DIF PR	406 CD	ROSEMONT	063	YES	127516	SBT	50	F2	CS,HS	H
1H50PIL-03	CHILLER CONTROL PANEL	106 PD	TRANE CO	063	YES	NUC-102	SA	13	F2	CS,HS	H
1H50PIL-04	CHILLER CONTROL PANEL	106 PD	TRANE	063	YES	NUC-102	SA	13	F2	CS,HS	H
1H50RV091	CHILLED H2O SURGE TMBB	191 CD	LOHERGAN	072	YES	502644	SA	60	P2		F
1H50TE 009	RBSVS CHILLED HTR SYS	406 CD	ROSEMONT	070	YES	2767	SAT	35+	F2	CS,HS	H
1H50TH-008	RBSVS & CRAC-SURGE TAN	114 PD	BUFFALO TANK	063	YES	NH(B)-122-1A	SA	45	F2	CS,HS	H
1H50HC-003	RBSVS & CRAC HTR CHILL	106 PD	TRANE CO	063	YES	NUC-102	SA	31	F2	CS,HS	H
1H50HC-004	RBSVS & CRAC HTR CHOLL	106 PD	TRANE CO	063	YES	NUC-102	SA	31	F2	CS,HS	H
1H11HOV031	2ND STAGE REHEAT STM	88V PD	VELAN	051	YES	SR-6262	SA/SAT	33+	P2	HS	H
1H11HOV036	MISC STM FROM HOR ISO	88V PD	VELAN	051	YES	SR-6262	SA/SAT	33+	P	HS	H
1H11HOV041	AUXILIARY STEAM SUPPLY	88V PD	VELAN	051	YES	SR-6181	SA/SAT	33+	P	CS	H
1P41AOV016	DIESEL HX E-13A OUTLET	423 CD	FISHER	025	YES	CD76-82	SA	23	P3	CS	H
1P41WFT 054	HC-3 COND HTR IN	406 CD	ROSEMONT	063	YES	127516	HBT	60+	F2	CS,HS	H
1P41WFT 059	HC-4 COND HTR IN	406 CD	ROSEMONT	063	YES	127516	HBT	60+	F2	CS,HS	H
1P41HOV036A	VT CHILL HTR SPLY ISOL	197 PD	PRATT	012	YES	D-0034-3	SA	33+	P	CS,HS	H
1P41HOV036B	VT CHILL HTR SPLY ISOL	197 PD	PRATT	012	YES	D-0034-3	SA	33+	P	CS,HS	H

CS =COLD SHUT DOWN
DA =DYNAMIC ANALYSIS
F =FLOOR MOUNTED

HS =HOT STANDBY
HBT=MULTI-FREQUENCY
BIAXIAL TESTING

HST=MULTI-FREQUENCY
SINGLE AXIAL TESTING

P =PIPE MOUNTED
* TEST ARTICLE

QP = QUALIFIED BY
PIPING ANALYSIS

SA =STATIC ANALYSIS

SAT=SINGLE FREQUENCY

SINGLE AXIAL TESTING

SBT=SINGLE FREQUENCY
BIAXIAL TESTING

N =NEITHER CS OR HS

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 =SQRT PAPER COMPLETE

H =COPIES OF DOC TO DISTRIBUTION

REVISION 9 - APRIL 1983

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

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

CB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (219 ITEMS)

RUN DATE 04/26/83
RUN TIME 14.32.39
PAGE 5

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC DIV. NO. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHDN	QUAL STATUS
1P41*MOV036C	VT CHILL WTR SPLY ISOL	197 PD	PRATT	050	YES	D-0034-4	SA	297	P	CS,HS	H
1P41*PS 008	SUCTION 1H50*P-139B	348 CD	ASCO	063	YES	178	SAT	50+	F2	CS,HS	H
1P41*PS 009	SUCTION 1H50*P-140B	348 CD	ASCO	063	YES	178	SAT	50+	F2	CS,HS	H
1P41*RV 019	OUTLET DIESEL HX-13	191 CD	LOHERGAN	028	YES	502644	SA	60	P3		F
1P41*RV 064	CTRL RH & RBSVS HC-3	191 CD	LOHERGAN	072	YES	502644	SA	60	P2	HS	H
1P41*RV 065	CNTRL RH & RBSVS HC-4B	191 CD	LOHERGAN	072	YES	502644	SA	60	P2	HS	H
1P41*TCV055	CNTRL RH & RBSVS HC-3	310 CD	FISHER CONT.	063	YES	CD76-20	SA	40	P6	CS,HS	H
1P41*TCV060	CNTRL RH & RBSVS HC-4	310 CD	FISHER CONT.	063	YES	CD76-20	SA	40	P6	CS,HS	H
1P41*TE 055	CNTRL RH & RBSVS HC-3	406 CD	ROSEHOUNT	068	YES	2767	SAT	35+	F2	CS,HS	H
1P41*TE 060	CNTRL RH & RBSVS HC-4	406 CD	ROSEHOUNT	068	YES	2767	SAT	35+	F2	CS,HS	H
1R22*SHG-101	4.16KV EMER BUS 101	39 ED	GEN ELEC CO	025	YES	300-91059	DA/SAT	8	F	CS,HS	H
1R22*SHG-102	4.16KV EMER BUS 102	39 ED	GEN ELEC CO	025	YES	300-91059	DA/SAT	8	F	CS,HS	H
1R22*SHG-103	4.16KV EMER BUS 103	39 ED	GEN ELEC CO	025	YES	300-91059	DA/SAT	8	F	CS,HS	H
1R23*PHL-001	480V LOAD RESET PANEL1	125 CD	RELIANCE	025	YES	AA1-125	SA/SAT	24	F	CS,HS	B
1R23*PHL-002	480V LOAD RESET PANEL2	125 CD	RELIANCE	025	YES	AA1-125	SA/SAT	24	F	CS,HS	B
1R23*PHL-003	480V LOAD RESET PANEL3	125 CD	RELIANCE	025	YES	AA1-125	SA/SAT	24	F	CS,HS	B
1R23*SHG-111	480V EMER SHGR BUS 111	95 ED	ITE	025	YES	33-48359	HBT	5	F	CS,HS	H
1R23*SHG-112	480V EMER SHGR BUS 112	95 ED	ITE	025	YES	33-48359	HBT	5	F	CS,HS	H
1R23*SHG-113	480V EMER SHGR BUS 113	95 ED	ITE	025	YES	33-48359	HBT	5	F	CS,HS	H
1R24*HCC1115	MOTOR CONT CNTR, BUS 1	115 ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS	H
1R24*HCC1116	MOTOR CONT CNTR, BUS 1	115 ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS	H

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

P =PIPE MOUNTED
* TEST ARTICLE
QP = QUALIFIED BY
PIPING ANALYSIS
SA =STATIC ANALYSIS
SAT=SINGLE FREQUENCY
SINGLE AXIAL TESTING

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
N =NEITHER CS OR HS

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 =SQRT PAPER COMPLETE
H =COPIES OF DOC TO DISTRIBUTION

REVISION 9 - APRIL 1983
NOTE: NUMBER IN
'TYPE HTNG' COLUMN IS
QUANTITY OF ITEMS.

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

CB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (219 ITEMS)

RUN DATE 04/26/83
RUN TIME 14.32.39
PAGE 6

HARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE MTNG	SAFE SHTDN	QUAL STATUS
1R24*HCC1125	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS	H
1R24*HCC1126	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS	H
1R24*HCC1133	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS	H
1R24*HCC1134	MOTOR CONT CNTR, BUS 1	115	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS	H
1R35*PHL-B1	EMER 120V PNL B1-REL R	124	ED	SYSTEM CONT	044	YES	15074	SAT	21	F	CS,HS	H
1R35*PHL-B3	EMER 120/240V PANEL	124	ED	SYSTEM CONT	020	YES	15074	SAT	21	F	CS,HS	H
1R35*PHL-R1	EMER 120V PNL R1-REL R	124	ED	SYSTEM CONT	044	YES	15074	SAT	21	F	CS,HS	H
1R35*PHL-R3	EMER 120/240V PANEL	124	ED	SYSTEM CONT	020	YES	15074	SAT	21	F	CS,HS	H
1R35*PHL-01	EMER 120V PNL 01-REL R	124	ED	SYSTEM CONT	044	YES	15074	SAT	21	F	CS,HS	H
1R35*PHL-02	EMER 120/240V PANEL	124	ED	SYSTEM CONT	020	YES	15074	SAT	21	F	CS,HS	H
1R35*T-B1	XFMR-EMER 120V PNL B1	248	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	F
1R35*T-B3	XIIFR-EMER 120V PNL B3	248	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	F
1R35*T-R1	XFMR-EMER 120V PNL R1	248	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	F
1R35*T-R3	XIIFR-EMER 120V PNL R3	248	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	F
1R35*T-01	XFMR-EMER 120V PNL 01	248	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	F
1R35*T-02	XIIFR-EMER 120V PNL 02	248	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	F
1R35*T-201	XFR-HTR SPACE HTR-BUS	248	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	F
1R35*T-202	XFR-HTR SPACE HTR-BUS	248	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	F
1R35*T-203	XFR-HTR SPACE HTR-BUS	248	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	F
1R41*E/S050	POWER SUPPLY	421	CD	BAILEY-METER	063	YES	QR-3201-7000PS	HBT	38+	F4	CS	F
1R42*BA-A1	125VOLT BATTERY	115	ED	GOULD INC	025	YES	42795	HBT	40+	F	CS,HS	H

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

P =PIPE MOUNTED
* TEST ARTICLE
QP = QUALIFIED BY
PIPING ANALYSIS
SA =STATIC ANALYSIS
SAT=SINGLE FREQUENCY
SINGLE AXIAL TESTING

SBT=SINGLE FREQUENCY
BIAXIAL TESTING

N =NEITHER CS OR HS

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

REVISION 9 - APRIL 1983
NOTE: NUMBER IN
'TYPE MTNG' COLUMN IS
QUANTITY OF ITEMS.

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

CB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (219 ITEMS)

RUN DATE 04/26/83
RUN TIME 14.32.37
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
1R42*BA-B1	125VOLT BATTERY	116	ED	GOULD INC	025	YES	42795	MBT	40+	F	CS,HS	H
1R42*BA-C1	125VOLT BATTERY	116	ED	GOULD INC	025	YES	42795	MBT	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*PHL-A1	125 VDC DIST PANEL BUS	124	ED	SYSTEM CONT	025	YES	15074	SAT	21	F	CS,HS	H
1R42*PHL-A2	125 VDC DIST PANEL BUS	124	ED	SYSTEM CONT	044	YES	15074	SAT	21	F	CS,HS	H
1R42*PHL-B1	125 VDC DIST PANEL BUS	124	ED	SYSTEM CONT	025	YES	15074	SAT	21	F	CS,HS	H
1R42*PHL-B2	125 VDC DIST PANEL BUS	124	ED	SYSTEM CONT	044	YES	15074*	SAT	21	F	CS,HS	H
1R42*PHL-C1	125 VDC DIST PANEL BUS	124	ED	SYSTEM CONT	025	YES	15074	SAT	21	F	CS,HS	H
1R42*PHL-C4	125 VDC DST PHL-BLK-B5	124	ED	SYSTEM CONT	025	YES	15074	SAT	21	F	CS,HS	H
1R42*SHG-A1	125 VDC SHG BATTERY BU	95	ED	ITE	025	YES	33-51266	MBT	5	F	CS,HS	H
1R42*SHG-B1	125 VDC SHG BATTERY BU	95	ED	ITE	025	YES	33-51266	MBT	5	F	CS,HS	H
1R42*SHG-C1	125 VDC SHG BATTERY BU	95	ED	ITE	025	YES	33-51266	MBT	5	F	CS,HS	H
1R43*G-101	EMER DIESEL GENERATOR	89	ED	DE LAVAL	025	YES	11001	DA	4	F18	CS,HS	H
1R43*G-102	EMER DIESEL GENERATOR	89	ED	DE LAVAL	025	YES	11001	SAT	4	F18	CS,HS	H
1R43*G-103	EMER DIESEL GENERATOR	89	ED	DE LAVAL	025	YES	11001	SAT	4	F18	CS,HS	H
1R43*LS 004	FUEL OIL AUX DAY TK	407	CD	MAGNETROL	022	YES	43235-1	SAT	17	F3	N	H
1R43*LS 007	FUEL OIL AUX DAY TK	407	CD	MAGNETROL	022	YES	43235-1	SAT	17	F3	N	H
1R43*TK-135	FUEL OIL DAY	114	PD	BUFFALO TANK	044	YES	NH(B)-134-IA	SA	27	F3	CS	H
1R81*T-012	HT TRACING TRANSFR	248	ED	MAGNETICS	025		43424-1	MBT	9	F2	CS,HS	F

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

P =PIPE MOUNTED
* TEST ARTICLE
QP = QUALIFIED BY
PIPING ANALYSIS
SA =STATIC ANALYSIS
SAT=SINGLE FREQUENCY
SINGLE AXIAL TESTING

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
N =NEITHER CS OR HS

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

REVISION 9 - APRIL 1983
NOTE: NUMBER IN
'TYPE MTNG' COLUMN IS
QUANTITY OF ITEMS.

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

CB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (219 ITEMS)

RUN DATE 04/26/83
RUP TIME 14.32.39
PAGE 8

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE MTNG	SAFE SHTDN	QUAL STATUS
1T48WPHL-ACH	PC ATH CNTRL	125	CD	RELIANCE	063	YES	99AX400600	SA/SAT	19	F	N	B
1T48WPHL-A2	HYD RECOMBINER CONT CA	289	PD	ATOMIC INT	063	YES	54591-4	HBT	6	F2	N	H
1T48WRH-25	HYDRO RECONB CONT CABI	344	ED	DELPHI IND	063	YES	1035-5	SA/SAT	29	F2	N	H
1T48WRH-26	HYDRO RECONB CONT CABI	344	ED	DELPHI IND	063	YES	1035-5	SA/SAT	29	F2	N	H
1X41WACU-14	COMP, RELAY&EH SHGR RM	240	PD	BAHNSON CO	044	YES	A-47-75-01	SA	39	F2	CS,HS	H
1X41WDHPF	FIRE DAMPERS	54	PD	AIR BALANCE	044	YES	AB1-SH-009	SAT	9+	F30	CS,HS	H
1X41WFH-029	RELAY&EH SHGR RET FN	270	PD	BUFFALO FORGE	053	YES	745-11139	SA	26	F2	CS,HS	H
1X41WFH-039	CR CHILL EQUIP RM EXH	270	PD	BUFFALO FORGE	067	YES	745-11140A	SA	57	F2	CS,HS	H
1X41WFH-072	BATTERY RM VENTILATION	270	PD	BUFFALO FORGE	035	YES	745-11140C	SA	105	F3	CS,HS	H
1X41WFS 013	ACU-14 AIR FLOW	319	ED	POWERS REG	031	YES	43812-1	HBT	24	F2	CS,HS	H
1X41WFS 017	FN-29 AIR FLOW	319	ED	POWERS REG	044	YES	43812-1	HBT	24	F2	CS,HS	H
1X41WHE 021	ACU-14 COOLING CNTRL	319	ED	POWERS REG	044	YES	43812-1	HBT	24	F2	CS,HS	H
1X41WHIT021	ACU-14 COOLING CNTRL	319	ED	POWERS REG	049	YES	43812-1	HBT	24	F2	CS,HS	H
1X41WHOD031	FN-039 OUTDOOR AIR	319	ED	POWERS REG	063	YES	43812-1	HBT	24	F2	CS,HS	H
1X41WHOD032	FN-039 EXHAUST AIR	319	ED	POWERS REG	064	YES	44540-1	HBT	27	F2	CS,HS	H
1X41WHOD035	ACU-14A DISCHARGE AIR	319	ED	POWERS REG	044	YES	43812-1	HBT	24	F2	CS,HS	H
1X41WHOD036	ON FAN FN-29A& B	319	ED	POWERS REG	044	YES	43812-1	HBT	24	F2	CS,HS	H
1X41WHOD039	FN-72 OUTDOOR AIR	319	ED	POWERS REG	037	YES	44057-1	HBT	21	F3	CS,HS	H
1X41WHOD040	FN-72 EXHAUST AIR	319	ED	POWERS REG	041	YES	44057-1	HBT	21	F3	CS,HS	H
1X41WHOD041	FN-72 RETURN AIR	319	ED	POWERS REG	035	YES	44057-1	HBT	21	F3	CS,HS	H
1X41WHOD059	RELAY & CNTR RM TEMP	319	ED	POWERS REG	044	YES	44057-1	HBT	21	F2	CS,HS	H

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

P =PIPE MOUNTED
* TEST ARTICLE
QP = QUALIFIED BY
PIPING ANALYSIS
SA =STATIC ANALYSIS
SAT=SINGLE FREQUENCY
SINGLE AXIAL TESTING

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
N =NEITHER CS OR HS

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

REVISION 9 - APRIL 1983
NOTE: NUMBER IN
'TYPE MTNG' COLUMN IS
QUANTITY OF ITEMS.

SHOREHAM UNIT 1
JOB NUMBER 11400
LILCO DOCKET 50-322

CB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (219 ITEMS)

RUN DATE 04/26/83
RUN TIME 14.32.39
PAGE 9

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHDN	QUAL STATUS
1X41*PHLVC16	VENT CONTROL PANEL	319	ED	POHERS REG	025	YES	1001-6	SA/SAT	24	F	N	H
1X41*PHLVC17	VENT CONTROL PANEL	319	ED	POHERS REG	025	YES	1001-6	SA/SAT	24	F	N	H
1X41*PHLVC18	VENT CONTROL PANEL	319	ED	POHERS REG	025	YES	1001-6	SA/SAT	24	F	N	H
1X41*PHLVC19	VENT CONTROL PANEL	319	ED	POHERS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X41*PHLVC20	VENT CONTROL PANEL	319	ED	POHERS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X41*PHLVC21	VENT CONTROL PANEL	319	ED	POHERS REG	044	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X41*TCV021	ACU-14 COOLING COIL	310	CD	FISHER CONT.	053	YES	2-24451	SA	25	P2	CS	H
1X41*TE 018	FN-72 DAMPER CONTROL	319	ED	POHERS REG	030	YES	43812-1	HBT	24	F3	CS,HS	H
1X41*TE 021	ACU-14 COOLING CONT	406	CD	ROSEMOUNT	044	YES	2767	SAT	35+	F2	CS,HS	H
1X41*TI031	FN-39 CONTROL	319	ED	POHERS REG	068	YES	43812-1	HBT	24	F2	CS,HS	H
1X41*TT-001	RH TEMP IND	319	ED	POHERS REG	025	YES	43812-1	HBT	24	F2	N	H
1X41*TT-002	RH TEMP IND	319	ED	POHERS REG	025	YES	43812-1	HBT	24	F2	N	H
1X41*TT-003	RH TEMP IND	319	ED	POHERS REG	025	YES	43812-1	HBT	24	F2	N	H
1X41*TT-004	RH TEMP IND	319	ED	POHERS REG	044	YES	43812-1	HBT	24	F2	N	H
1X41*TT-005	RH TEMP IND	319	ED	POHERS REG	044	YES	43812-1	HBT	24	F2	N	H
1X41*TT-006	CHILLER EQUIP RH TEMP	319	ED	POHERS REG	068	YES	43812-1	HBT	24	F2	N	H
1X41*TT-007	BAT RH TEMP	319	ED	POHERS REG	039	YES	43812-1	HBT	24	F2	N	H
1X41*TT-009	COMPUTER RH TEMP	319	ED	POHERS REG	044	YES	43812-1	HBT	24	F2	N	H
1X60*FH-028	DIESEL GEN RH SUPPLY F	270	PD	BUFFALO FORGE	040	YES	745-11138	SA	20	F3	CS,HS	H
1X60*HOD031	FN-28 OUTDOOR AIR	319	ED	POHERS REG	038	YES	44057-1	HBT	21	F3	CS	H
1X60*HOD032	FN-39 HOT DAMPER	319	ED	POHERS REG	030	YES	44057-1	HBT	21	F3	CS	H

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

P =PIPE MOUNTED
* TEST ARTICLE
QP = QUALIFIED BY
PIPING ANALYSIS
SA =STATIC ANALYSIS
SAT=SINGLE FREQUENCY
SINGLE AXIAL TESTING

SBT=SINGLE FREQUENCY
BIAXIAL TESTING

N =NEITHER CS OR HS

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 =SQRT PAPER COMPLETE
H =COPIES OF DOC TO DISTRIBUTION

REVISION 9 - APRIL 1983

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

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

CB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (219 ITEMS)

RUN DATE 04/26/83
RUN TIME 14.32.39
PAGE 10

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC DIV. NO. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE MTNG	SAFE SHDN	QUAL STATUS
1X60WHD033	FN-28 RETURN AIR	319 ED	POWERS REG	038	YES	44057-1	HBT	21	F3	CS	H
1X60WPHLVC13	VENT CONTROL PANEL	319 ED	POWERS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X60WPHLVC14	VENT CONTROL PANEL	319 ED	POWERS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X60WPHLVC15	VENT CONTROL PANEL	319 ED	POWERS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X61WACU-07	CONTROL ROOM A/C UNITS	240 PD	BAHNSON CO	063	YES	A-47-75-01	SA	39	F2	CS,HS	H
1X61WAD037	CHTRL RH ISOL	319 ED	POWERS REG	063	YES	44540-1	HBT	27	F3	CS,HS	H
1X61WADV036	CHTRL RH ISOL	111 PD	FISHER	063	YES	CD75-35	SA/SAT	17+	P2	CS	H
1X61WADV038	CHTRL RH ISOL	111 PD	FISHER	073	YES	CD75-35	SA/SAT	21	P2	CS	H
1X61WADV039	CHTRL RH ISOL	111 PD	FISHER	063	YES	CD75-35	SA/SAT	21	P2	CS	H
1X61WDHPF	FIRE DAMPERS	54 PD	AIR BALANCE	063	YES	AB1-SH-009	SAT	9+	F0	CS,HS	H
1X61WFLT-02	CRAC FILTER TRAINS	105 PD	FARR CO	063	YES	D-56302	SA/SAT	17	F2	CS,HS	H
1X61WFN-025	CONTROL ROOM BOOSTER F	102 PD	BUFFALO FORGE	063	YES	745-4234A	SA	27	F2	CS,HS	H
1X61WFS 011	FN-25 CNTRL	319 ED	POWERS REG	063	YES	43812-1	HBT	24	F2	CS,HS	H
1X61WFS 012	ACU-7 AIR FLOW	319 ED	POWERS REG	063	YES	43812-1	HBT	24	F3	CS,HS	H
1X61WHS 038	1X61WADV038 CONTROL	319 ED	POWERS REG	066	YES	43812-1	HBT	24	F2	CS,HS	H
1X61WHE-021	ACU-7 CNTRL	319 ED	POWERS REG	063	YES	43812-1	HBT	24	F2	CS,HS	H
1X61WHD033	FN-25 DISCH AIR	319 ED	POWERS REG	063	YES	44540-1	HBT	27	F2	N	H
1X61WHD034	ACU-7 DISCHARGE AIR	319 ED	POWERS REG	063	YES	43812-1	HBT	24	F2	CS,HS	H
1X61WHDV031	CNTRL RH ISOL	111 PD	FISHER	063	YES	CD75-35	SA/SAT	22+	P2	CS	H
1X61WHDV032	CNTRL RH ISOL	111 PD	FISHER	063	YES	CD75-35	SA/SAT	22+	P2	CS	H
1X61WTCV021	ACU-7A COOLING UNIT	310 CD	FISHER CONT.	071	YES	2-24451	SA	25	P2	CS	H

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

P =PIPE MOUNTED
* TEST ARTICLE
QP = QUALIFIED BY
PIPING ANALYSIS
SA =STATIC ANALYSIS
SAT=SINGLE FREQUENCY
SINGLE AXIAL TESTING

SBT=SINGLE FREQUENCY
BIAXIAL TESTING

N =NEITHER CS OR HS

QUALIFICATION MILESTONES

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

REVISION 9 - APRIL 1983

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

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

CB LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
CONTROL BUILDING CATEGORY I EQUIPMENT
BOP QUALIFICATION LEVEL (219 ITEMS)

RUN DATE 04/26/83
RUN TIME 14.32.39
PAGE 11

HARK NUMBER	EQUIPMENT DESCRIPTION	SPEC DIV. NO. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHTDN	QUAL STATUS
1X61WTE 021	ACU COOLING CONT	406 CD	ROSEHOUNT	067	YES	2767	SAT	35+	F2	CS,HS	H
1Z93WTHU502	TRIP/CALIB UNIT	406 CD	ROSEHOUNT	063	YES	127531	SAT	57+	F4	CS	F
1Z95WEHCSX1	SXS ENCLOSURE	125 CD	RELIANCE	044		99AX400827	SA	61	F		B
1Z95WEHCSX2	SXS ENCLOSURE	125 CD	RELIANCE	044		99AX400827	SA	61	F		B
1Z95WEHCSX3	SXS ENCLOSURE	125 CD	RELIANCE	044		99AX400827	SA	61	F		B
1Z95WEHCSX4	SXS ENCLOSURE	125 CD	RELIANCE	044		99AX400827	SA	61	F		B
1Z97WPHLER1	MULTIPLEX CAB	125 CD	RELIANCE	044		99AX401437	SA	14	F		B
1Z97WPHLER2	MULTIPLEX CAB	125 CD	RELIANCE	044		99AX401437	SA	14	F		B
1Z97WPHLER3	MULTIPLEX CAB	125 CD	RELIANCEV	044		99AX401437	SA	14	F		B

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

P =PIPE MOUNTED
* TEST ARTICLE
QP = QUALIFIED BY
PIPING ANALYSIS
SA =STATIC ANALYSIS
SAT=SINGLE FREQUENCY
SINGLE AXIAL TESTING

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
N =NEITHER CS OR HS

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

REVISION 9 - APRIL 1983
NOTE: NUMBER IN
'TYPE HTNG' COLUMN IS
QUANTITY OF ITEMS.

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

GE LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
GENERAL ELECTRIC CATEGORY I EQUIPMENT
NSSS QUALIFICATION LEVEL (150 ITEMS)

RUN DATE 04/26/83
RUN TIME 13.44.23
PAGE 1

MARK NUMBER	EQUIPMENT DESCRIPTION	GE NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE MTNG	SAFETY FUNC	QUAL STATUS
1B21*AOV081	ISOLATION VALVE-HS	B21F022	ROCKWELL	SC082	YES	NEDE-24122-2	SA	8	P4	CS,HS	F
1B21*AOV082	ISOLATION VALVE-HS	B21F028	ROCKWELL	SC082	YES	NEDE-24122-2	SA	8	P4	CS,HS	F
1B21*D-003	CONDENSING CHAMBER	B21D002	GE	SC080	YES	DRF-A00794-11	SA	60+	P	HS,CS	F
1B21*D-004	CONDENSING CHAMBERS	B21D004	GE	SC080	YES	DRF-A00794-11	SA	60+	P2	HS,CS	F
1B21*D-005	CONDENSING CHAMBERS	B21D006	GE	SC080	YES	DRF-A00794-11	SA	60+	P16	HS,CS	F
1B21*PDS02A1	DAHPENER	B21N006A				SHIP LOOSE			F		B
1B21*PDS02B1	DAHPENER	B21N007A				SHIP LOOSE			F		B
1B21*PDS02C1	DAHPENER	B21N008A				SHIP LOOSE			F		B
1B21*PDS02D1	DAHPENER	B21N009A				SHIP LOOSE			F		B
1B21*PS 020	PRESSURE SWITCH	B21N015	BARNSDALE	CB037	YES	DRF-A001084215E	SAT	33+	F4	CS,HS	F
1B21*RV 092	RELIEF VALVE	B21F013	TARG ROCK	PC099	YES	VPF-5485-3-1	HBT	60+	P11	CS	G
1B21*TE 003	TEMPERATURE ELEMENT	B21N040	ROSEMOUNT	T084	YES	DRF-A00-01364	SA	100	P	CS,HS	F
1B21*TE 043X	TEMPERATURE ELEMENT	B21N016	PYCO	T059	YES	DRF-A00-108491C	SAT	60+	F4	CS,HS	F
1B21*TE 043Y	TEMPERATURE ELEMENT	B21N010	PYCO	T082	YES	DRF-A00-108491C	SAT	60+	F4	CS,HS	F
1B21*TE 059	TEMPERATURE ELEMENT	B21N014	PYCO	T059	YES	DRF-A00-108491C	SAT	60+	F4	CS,HS	F
1B31*HOV031	RECIRC SUCTION VALVE	B31F023	ANCHOR	SC017	YES	385HA661	SA	41	P2	N	G
1B31*HOV032	RECIRC DISCHARGE VALVE	B31F031	ANCHOR	SC014	YES	VPF2809-40	SA/DA	100	P2	N	F
1B31*P- 001	RECIRC PUMP & MOTOR	B31C001	BJ/GE	PC070	YES	206B33C001-HS-1	SA	60+	P2	N	G
1B31*TE 025	TEMPERATURE ELEMENT	B31N023	ROSEMOUNT	PC065	YES	DRF-A00-01364	SA	100	P2	N	F

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

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

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
SC =SECONDARY CONT.
/ =LOCATED ON CONT.
HALL
T =MAIN STM. TUNNEL
N =NEITHER CS OR HS

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

REVISION 9 - APRIL 1983

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

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

GE LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
GENERAL ELECTRIC CATEGORY I EQUIPMENT
NSSS QUALIFICATION LEVEL(150 ITEMS)

RUN DATE 04/26/83
RUN TIME 13.44.23
PAGE 2

MARK NUMBER	EQUIPMENT DESCRIPTION	GE NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1C11*AOV050	SDV AOV	C11-F180				SHIP LOOSE			P		B
1C11*AOV051	SDV AOV	C11-F181				SHIP LOOSE			P		B
1C11*AOV081	HCU DIAPHRAGH VALVE	C11F010	WHM	SC078	YES		SA		P	CS,HS	B
1C11*AOV082	HCU DIAPHRAGH VALVE	C11F011	WHM	SC040	YES		SA		P	CS,HS	B
1C11*HCU-01	CRD HYDRA CONT UNIT	C11D001	GE	SC078	YES	383HA853	HST	2	137	CS,HS	G
1C11*LS 049	LEVEL SHITCH	C11N013	MAGNETROL	SC078	YES	43235-1	HBT	30+	F2	CS,HS	B
1C11*LS 095	LEVEL SHITCH	C11N013	MAGNETROL	SC078	YES	43235-1	HBT	30+	F6	CS,HS	F
1C11*LT 049	LEVEL XHTR	C11N012	GOULD	SC078	YES	SHIP LOOSE		11	F4		B
1C11*PT 113	PRESS XHTR	C11N052	ROSEMOUNT	SC063	YES	SHIP LOOSE		50	F		B
1C11*SOV044	HCU SOLENOID VALVE	C11F009	ASCO	SC063					P	CS,HS	B
1C11*SOV052	SDV SOLENOID VALVE	C11F182	ASCO						P		B
1C41*EV 010	EXPLOSIVE VALVE	C41F004	CONAX	SC112	YES	VPF3394-36-2	SBT	35+	P2	N	G
1C41*P-024	STDBY LIQ PUMP&HTR	C41C001	UNION PUM	SC113	YES	VPF-5517-2-2	SBT	60+	F2	N	G
1C41*PI 002	PRESSURE INDICATOR	C41R003	ROBT SHAW	SC112	YES	DRF-A0001841600	SBT	100	F	CS,HS	F
1C41*PT 002	PRESSURE TRANSHITTER	C41N004	ROSEMOUNT	SC112	YES	DRF-A00-1084101	SAT	50	F	CS,HS	F
1C41*TK-003	SLC STORAGE TANK	C41A001	LANCO	SC113	YES	RA542/C41-22	SA	59	F	N	G
1C41*TK-150	SLC ACCUMULATORS	C41A003	HYDRA CON	SC097	YES	DRF C41-22	SA	N/A	P2	N	G
1C41*TS001A	TEMP SHITCH	C41N003	WEED INST	SC112		DRF-A00-01364	SA	60+	F	CS,HS	F
1C51*TIP-004	TIP VALVE GUIDE T	C51J004	GE	SC073	YES	DRF-A00992-H	SAT	100	F4	N	D

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

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

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
SC =SECONDARY CONT.
/ =LOCATED ON CONT.
HALL
T =MAIN STH. TUNNEL
N =NEITHER CS OR HS

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

REVISION 9 - APRIL 1983

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

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-J22

GE LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
GENERAL ELECTRIC CATEGORY I EQUIPMENT
NSSS QUALIFICATION LEVEL(150 ITEMS)

RUN DATE 04/26/83
RUN TIME 13.44.23
PAGE 3

MARK NUMBER	EQUIPMENT DESCRIPTION	GE NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE MTNG	SAFETY FUNC	QUAL STATUS
1C61WFT 001	DIFF PRESS XMTR	C61N001	ROSEMOUNT	SC008	YES	DRF-A00-1084101	SAT	50	F	N	F
1C61WPHL-RSP	REMOTE SHT DN PNL	C61P001	GE	SC063	YES	SAI-029QA80PA-B	HBT	14	F	N	D
1C61WPT 006	PRESS TRANS	C61N006	BAILEY	SC079	YES	DRF-A001084162C	SAT	100	F	N	F
1C71WPS 003	PRESSURE SWITCH	C71N003	BARKSDALE	CB037	YES	DRF-A001084215E	SAT	33+	F4	CS,HS	F
1E11WE-034	RHR HEAT EXCHANGERS	E11B001	PERFEX CP	SC008	YES	DRF E11-1	DA	14	F2	HS,CS	G
1E11WFT 004	DIFF PRESS XMTR	E11N013	ROSEMOUNT	SC078	YES	DRFA00-1084-101	SAT	50	F	CS,HS	F
1E11WFT 006	DIFF PRESS TRANS	E11N007	ROSEMOUNT	SC008	YES	DRFA00-1084-101	SAT	50	F2	CS,HS	F
1E11WLT 002	LEVEL XMTR	E11N008	BARTON	SC024	YES	DRFA00-1084-67E	HBT	100	F2	CS,HS	F
1E11WP-014	RHR PUMPS & MOTORS	E11C002	BJ/GE	SC008	YES	DRF E11-11	DA	10	F4	CS,HS	G
1E11WPS 134	PRESSURE SWITCH	E11N016	BARKSDALE	SC008	YES	DRFA00-1084215E	SAT	33+	F4	CS,HS	F
1E11WPS 135	PRESSURE SWITCH	E11N020	BARKSDALE	SC008	YES	DRFA00-1084215E	SAT	33+	F4	CS,HS	F
1E11WTE 014	TEMP ELEMENT	E11N009	PYCO	SC023	YES	DRFA00-108491C	SAT	60+	F2	CS,HS	F
1E11WTE 015	TEMP ELEMENT	E11N030	PYCO	SC023	YES	DRFA00-108491C	SAT	60+	F2	CS,HS	F
1E21WP-013	CS PUMPS & MOTORS	E21C001	BJ/GE	SC008	YES	DRF E21-53	DA	12	F2	CS	G
1E21WPIS098	PRESS INDIC SWITCH	E21N010	ROBT SHAW	SC008	YES	DRFA00-1084215E	SAT	33+	F2	CS,HS	G
1E21WPS 012	PRESSURE SWITCH	E21N008	BARKSDALE	SC008	YES	DRFA00-184-141	SAT	33+	F2	CS,HS	G
1E21WPS013	PRESSURE SWITCH	E21N009	BARKSDALE	SC008	YES	DRFA00-184-141	SAT	33+	F2	CS,HS	G
1E32WBLO-13	OUTBD HSIV LCS BLOWER	E32C002	GE	SC076	YES	VPF3830-14-1	SBT	60+	F2	N	G
1E32WBLO-14	INBD HSIV LCS BLOWER	E32C001	GE	SC076	YES	VPF3830-14-1	SBT	60+	F	N	G

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

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

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
SC =SECONDARY CONT.
/ =LOCATED ON CONT.
HALL
T =MAIN STM. TUNNEL
N =NEITHER CS OR HS

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

REVISION 9 - APRIL 1983

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

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

GE LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
GENERAL ELECTRIC CATEGORY I EQUIPMENT
NSSS QUALIFICATION LEVEL(150 ITEMS)

RUN DATE 04/26/83
RUN TIME 13.44.23
PAGE 4

MARK NUMBER	EQUIPMENT DESCRIPTION	GE NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1E32*FE037	FLOW METER	E32N006	S&H	SC066	YES	DRFA00-1084150C	SAT	30+	P4	CS,HS	F
1E32*HC-053	HSIV LCS HTR	E32B001	GE	SC078	YES	VPF3830-33-1	HBT	15	P4	N	G
1E32*PDT035	DIFF PRESS TRANS	E32N059	ROSEMOUNT	SC063	YES	DRFA00-1084-101	SAT	50	F	CS,HS	F
1E32*PDT038	DIFF PRESS TRANS	E32N054	ROSEMOUNT					50	F		B
1E32*PT 033	GAGE PRESS TRANS	E32N055	ROSEMOUNT	SC063	YES	DRFA00-1084-101	SAT	50	F	CS,HS	F
1E32*PT 034	ABS PRESS TRANS	E32N056	ROSEMOUNT	SC063	YES	DRFA00-1084-101	SAT	50	F	CS,HS	F
1E41*LS091	LEVEL SWITCH	E41N014	MAGNETROL	SC016	YES	43235-1	HBT	30+	F	CS,HS	F
1E41*LS092	LEVEL SWITCH	E41N015	MAGNETROL	SC027	YES	43235-1	HBT	30+	F2	CS,HS	F
1E41*LS093A	LEVEL SWITCH	E41N002	MAGNETROL	YARD	YES	43235-1	HBT	30+	F	CS,HS	F
1E41*LS093B	LEVEL SWITCH	E41N003	MAGNETROL	YARD	YES	43235-1	HBT	30+	F	CS,HS	F
1E41*P-016	HPCI PUMP&BOOSTER	E41C001	PACIFIC P	SC008	YES	VPF-2740-180-1	DA	23	F	N	G
1E41*TE053	TEMPERATURE ELEMENT	E41N024	PYCO	SC034	YES	DRFA00-1084-91C	SAT	60+	F2	CS,HS	F
1E41*TE054	TEMPERATURE ELEMENT	E41N028	PYCO	SC025	YES	DRFA00-1084-91C	SAT	60+	F2	CS,HS	F
1E41*TE055	TEMPERATURE ELEMENT	E41N029	PYCO	SC017	YES	DRFA00-1084-91C	SAT	60+	F2	CS,HS	F
1E41*TE056	TEMPERATURE ELEMENT	E41N030	PYCO	SC063	YES	DRFA00-1084-91C	SAT	60+	F2	CS,HS	F
1E41*TI141	TEMP INDICATOR	E41R002	NEED	SC008	YES	DRFA00-01364	SA	100	P	CS,HS	F
1E41*TU-002	HPCI TURBINE	E41C002	TERRY	SC008	YES		HBT		F	N	B
1E51*LS091	LEVEL SWITCH	E51N010	MAGNETROL	SC008	YES	43235-1	HBT	30+	F	CS,HS	F
1E51*P-015	RCIC PUMP	E51C001	BINGHAM	SC008	YES	DRF E51C00112	SA	24	F	HS	G

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

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

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
SC =SECONDARY CONT.
/ =LOCATED ON CONT.
HALL
T =MAIN STH. TUNNEL
N =NEITHER CS OR HS

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

REVISION 9 - APRIL 1983

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

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

GE LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
GENERAL ELECTRIC CATEGORY I EQUIPMENT
NSSS QUALIFICATION LEVEL(150 ITEMS)

RUN DATE 04/26/83
RUN TIME 13.44.23
PAGE 5

HARK NUMBER	EQUIPMENT DESCRIPTION	GE NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1E51*TE052	TEMPERATURE ELEMENT	E51N011	PYCO	SC025	YES	DRFA00-1084-91C	SAT	60+	F2	CS,HS	F
1E51*TE053	TEMPERATURE ELEMENT	E51N022	PYCO	SC027	YES	DRFA00-1084-91C	SAT	60+	F2	CS,HS	F
1E51*TE054	TEMPERATURE ELEMENT	E51N023	PYCO	SC063	YES	DRFA00-1084-91C	SAT	60+	F2	CS,HS	F
1E51*TE055	TEMPERATURE ELEMENT	E51N025	PYCO	SC066	YES	DRFA00-1084-91C	SAT	60+	F4	CS,HS	F
1E51*TE056	TEMPERATURE ELEMENT	E51N026	PYCO	SC066	YES	DRFA00-1084-91C	SAT	60+	F4	CS,HS	F
1E51*TI141	THERMOMETER	E51R005	ROBT SHAW	SC008	YES	DRFA00-01364	SA	100	P	CS,HS	F
1E51*TU-005	RCIC TURBINE	E51C002	TERRY	SC008	YES	VPF3622-79(1)-2	SA/HBT	15	F	HS	F
1F11*TO-005	FUEL PREP MACHINE	F11E001	GE	SC176	YES	DRF F0000002-3	DA	N/A	F2	N	G
1F11*TO-008	GEN PURPOSE GRAPPLE	F11E011	GE	SC176	YES	DRF139F11E011L	SA	N/A	F3	N	G
1F13*SL-001	DRYER&SEP SLING	F13E008	CAL PAC	SC176	YES	DRF F13-9	SA	N/A	F	N	F
1F13*TO-016	HEAD STRONGBACK	F13E009	LANCO	SC176	YES	DRF F13-11	SA	N/A	F	N	F
1F14*TO-029	CONT ROD GRAPPLE	F14E002	GE	SC176	YES	DRF139F14E002K	SA	N/A	F	N	G
1F15*CRN-009	REFUEL PLTF ASSY	F15E003	STERN ROG	SC176	YES	DRFF000000022	DA	N/A	F	N	G
1F16*CSK-01	DEF F STRG CONTAIN	F16E009	GE	SC151	YES	139F16E009K1	DA	1	F8	N	G
1F16*RAK-025	POISON CURTAIN	F16E015	BNP	SC151	YES	DRF F16-00009-1	DA	1	F14	N	G
1F16*RAK-09	FUEL RACK(IN VESSL)	F16E006	VOTAM	SC176			DA		F2	N	B
1F16*RAK-10	STRG RACK(CR&DEF F)	F16E004	GE	SC137	YES	DRF F16-0003	DA	13	F3	N	G
1F16*RAK-11	NEW FUEL STRG RACKS	F16E007	GE	SC151	YES	DRF F00-00002	DA	N/A	F17	N	G
1G33*FT012	DIFF PRESS TRANS	G33N041	ROSEMOUNT	SC100	YES	DRFA00-1084101K	SAT	50	F	N	F

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

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

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
SC =SECONDARY CONT.
/ =LOCATED ON CONT.
HALL
T =MAIN STM. TUNNEL
N =NEITHER CS OR HS

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

REVISION 9 - APRIL 1983

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

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

GE LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
GENERAL ELECTRIC CATEGORY I EQUIPMENT
NSSS QUALIFICATION LEVEL(150 ITEMS)

RUN DATE 04/26/83
RUN TIME 13.44.23
PAGE 6

MARK NUMBER	EQUIPMENT DESCRIPTION	GE NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1G33*TE020E	TEMPERATURE ELEMENT	G33H042	PYCO	PC97	YES	DRFA00-01364	SA	100	P	N	F
1G33*TE071	TEMPERATURE ELEMENT	G33H016	PYCO	SC136	YES	DRFA00-1084-91C	SAT	60+	F6	N	F
1G33*TIHER	MOTOR DRIVEN TIMER	G33R616									B
1H11*PNL-601	REAC&CORE COOL BB	H11P601	GE	CB063	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11*PNL-602	RHCU & RECIRC BN	H11P602	GE	CB063	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	F
1H11*PNL-603	REACTOR CONTROL B	H11P603	GE	CB063	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11*PNL-608	PHR RANGE NEUT CA	H11P608	GE	CB063	YES		HBT		F	N	B
1H11*PNL-609	TRIP SYS A RPS VB	H11P609	GE	CB063	YES	SAI-029QA80PA-B	HBT	22	F	HS,CS	G
1H11*PNL-611	TRIP SYS B RPS VB	H11P611	GE	CB063	YES	SAI-029QA80PA-B	HBT	22	F	HS,CS	G
1H11*PNL-612	FH & RECIRC INSTR	H11P612	GE	CB063	YES	SAI-029QA80PA-B	HBT	19	F	N	G
1H11*PNL-613	PROCESS INSTR CAB	H11P613	GE	CB063	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11*PNL-614	NSS TEMP LK DET VB	H11P614	GE	CB063	YES	SAI-029QA80PA-B	HBT	22	F	N	G
1H11*PNL-617	DIV 1 RHR RELAY VB	H11P617	GE	CB044	YES	SAI-029QA80PA-B	HBT	19	F	HS,CS	G
1H11*PNL-618	RHR RELAY VB	H11P618	GE	CB044	YES	SAI-029QA80PA-B	HBT	19	F	HS,CS	G
1H11*PNL-620	HPCI RELAY VERT BD	H11P620	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	N	G
1H11*PNL-621	IC RELAY VERT BD	H11P621	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11*PNL-622	INBD ISO V RELAY VB	H11P622	GE	CB044	YES	SAI-029QA80PA-B	HBT	21	F	CS	G
1H11*PNL-623	OUTBD ISO V REL VB	H11P623	GE	CB044	YES	SAI-029QA80PA-B	HBT	21	F	CS	G
1H11*PNL-626	DIV 1 COR SP REL VB	H11P626	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G

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

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

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
SC =SECONDARY CONT.
/ =LOCATED ON CONT.
HALL
T =MAIN STH. TUNNEL
N =NEITHER CS OR HS

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

REVISION 9 - APRIL 1983

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

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

GE LIST
1-SORT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
GENERAL ELECTRIC CATEGORY I EQUIPMENT
N555 QUALIFICATION LEVEL(150 ITEMS)

RUN DATE 04/26/83
RUN TIME 11.44.23
PAGE 7

MARK NUMBER	EQUIPMENT DESCRIPTION	GE NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE MTNG	SAFETY FUNC	QUAL STATUS
1H11*PHL-627	DIV 2 COR SP REL VB	H11P627	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G
1H11*PHL-628	AUTO BLOWDOWN REL VB	H11P628	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G
1H11*PHL-631	AUTO DEPRESS	H11P631	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G
1H11*PHL-635	DIV 1 RAD MONITOR	H11P635	GE	CB063	YES	SAI-029QA80PA-B	HBT	21	F	N	G
1H11*PHL-636	DIV 2 RAD MONITOR	H11P636	GE	CB063	YES	SAI-029QA80PA-B	HBT	21	F	N	G
1H11*PHL-654	HISIL LISPCKAGE	H11P654	GE	CB063	YES	SAI-029QA80PA-B	HBT	19	F	N	G
1H11*PHL-655	HISL LISPCKAGE	H11P655	GE	CB063	YES	SAI-029QA80PA-B	HBT	21	F	N	G
1H21*PHL-01	CORE SPRAY RK CH A	H21P001	GE	SC008	YES	SAI-029QA80PA	HBT	11	F	CS	G
1H21*PHL-02	RHCU SYSTEM INST	H21P002	GE	SC151	YES	SAI-029QA80PA	HBT	8	F	N	G
1H21*PHL-03	RX VES L & P RACK	H21P004	GE	SC079	YES	SAI-029QA80PA	HBT	8	F	HS,CS	G
1H21*PHL-05	RX VES L & P RACK	H21P005	GE	SC079	YES	SAI-029QA80PA	HBT	8	F	HS,CS	G
1H21*PHL-06	RECIRC PUMP A RAC	H21P006	GE	SC040	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PHL-09	JET PUMP A	H21P009	GE	SC079	YES	SAI-029QA80PA	HBT	11	F	N	F
1H21*PHL-10	JET PUMP INST RH	H21P010	GE	SC079	YES	SAI-029QA80PA	HBT	11	F	N	F
1H21*PHL-14	HPCI INST RACK	H21P014	GE	SC008	YES	SAI-029QA80PA	HBT	8	F	N	G
1H21*PHL-15	MAIN STM FLOW RH A	H21P015	GE	SC040	YES	SAI-029QA80PA	HBT	8	F	N	G
1H21*PHL-16	CS/HPCI RX DET I	H21P016	GE	SC008	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PHL-17	RCIC INST RACK	H21P017	GE	SC008	YES	SAI-029QA80PA	HBT	8	F	HS	G
1H21*PHL-18	RHR INST RACK CH	H21P018	GE	SC008	YES	SAI-029QA80PA	HBT	8	F	HS,CS	G

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

P =PIPE MOUNTED
PC =PRIMARY CONT.
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.
/ =LOCATED ON CONT.
HALL
T =MAIN STM. TUNNEL
N =NEITHER CS OR HS

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

REVISION 9 - APRIL 1983

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

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

GE LIST
1-SQRT
ACTIVE

STONE & WEBSTER ENGINEERING CORPORATION
GENERAL ELECTRIC CATEGORY I EQUIPMENT
NSSS QUALIFICATION LEVEL(150 ITEMS)

RUN DATE 04/26/83
RUN TIME 13.44.23
PAGE 8

MARK NUMBER	EQUIPMENT DESCRIPTION	EE NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE MTNG	SAFETY FUNC	QUAL STATUS
1H21*PHL-19	CORE SPRAY RH CH	H21P019	GE	SC008	YES	SAI-029QA80PA	HBT	11	F	CS	Z
1H21*PHL-21	RHR INST RACK CH	H21P021	GE	SC008	YES	SAI-029QA80PA	HBT	8	F	HS,CS	G
1H21*PHL-22	RECIRC PUMP B RAC	H21P022	GE	SC040	YES	SAI-029QA80PA	HBT	8	F	N	G
1H21*PHL-25	HAIN STM FLOW RH	H21P025	GE	SC040	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PHL-26	RV LV & PRES RH	H21P026	GE	SC079	YES	SAI-029QA80PA	HBT	11	F	HS,CS	G
1H21*PHL-30	SRH/IRH PREAMP RH	H21P030	GE	SC079	YES	DRF A00-794-16	HBT	4	F	N	G
1H21*PHL-31	SRH/IRH PREAMP RH	H21P031	GE	SC079	YES	DRF A00-794-16	HBT	4	F	N	G
1H21*PHL-32	SRH/IRH PREAMP RH	H21P032	GE	SC079	YES	DRF A00-794-16	HBT	4	F	N	G
1H21*PHL-33	SRH/IRH PREAMP RH	H21P033	GE	SC079	YES	DRF A00-794-16	HBT	4	F	N	G
1H21*PHL-34	HPCI LEAK DET RH	H21P034	GE	SC008	YES	SAI-029QA80PA	HBT	25	F	N	G
1H21*PHL-35	CS/RCIC LH DET I	H21P035	GE	SC040	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PHL-36	HPCI LEAK DET RH	H21P036	GE	SC008	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PHL-37	RCIC LEAK DET RH	H21P037	GE	SC008	YES	SAI-029QA80PA	HBT	25	F	N	G
1H21*PHL-38	RCIC LEAK DET RH	H21P038	GE	SC040	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PHL-41	HIN STEAM FLOW RH	H21P041	GE	SC040	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PHL-73	HSIV LEAKAGE RH	H21P073	GE	SC063	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PHL-74	HSIV LEAKAGE RH	H21P074	GE	SC063	YES	SAI-029QA80PA	HBT	8	F	N	F

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

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

SBT=SINGLE FREQUENCY
BIAXIAL TESTING
SC =SECONDARY CONT.
/ =LOCATED ON CONT.
HALL
T =MAIN STM. TUNNEL
N =NEITHER CS OR HS

QUALIFICATION MILESTONES

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

REVISION 9 - APRIL 1983

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

SHOREHAM UNIT 1
JOB NUMBER 11600
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)

RUN DATE 04/26/83
RUN TIME 14.32.30
PAGE 1

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		OPERATOR		6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER	SUPPLIER			YOKE	OPER
1B21*HOV031	3/1	SR-6060	88V	PC	2.3	.8	LIMITORQUE		SHB-00-10	H	H
1B21*HOV032	3/1	SR-6060	88V	SC	3.3	1.3	LIMITORQUE		SHB-000-5 *	H	H
1B21*HOV034	3	SR-6060	88V	SC	1.2	2.1	LIMITORQUE		SHB-00-7.5	H	H
1B21*HOV035A	20/1	20-1500GL09	88AD	SC	2.8	1.1	LIMITORQUE		SHB-1-40	H	H
1B21*HOV035B	20/1	20-1500GL09	88AD	SC	3.9	2.2	LIMITORQUE		SHB-1-40	H	H
1B21*HOV061	2/1	SR-6180	253	SC	1.8	1.0	LIMITORQUE		SHB-00-10	H	H
1B21*HOV062	2/1	SR-6180	253	SC	1.4	1.7	LIMITORQUE		SHB-00-10	H	H
1B21*HOV063	2/1	SR-6180	253	SC	2.0	1.2	LIMITORQUE		SHB-00-10	H	H
1B21*HOV064	2/1	SR-6180	253	SC	1.8	1.2	LIMITORQUE		SHB-00-10	H	H
1B21*HOV068A	2/1	SR-6180	253	SC	1.4	.9	LIMITORQUE		SHB-000-5	H	H
1B21*HOV068B	2/1	SR-6180	253	SC	1.5	1.8	LIMITORQUE		SHB-000-5	H	H
1B21*HOV068C	2/1	SR-6180	253	SC	1.8	.9	LIMITORQUE		SHB-000-5	H	H
1B21*HOV068D	2/1	SR-6180	253	SC	1.4	1.1	LIMITORQUE		SHB-000-5	H	H
1B21*HOV083	2/1	SR-6180	253	PC	3.0	2.7	LIMITORQUE		SHB-000-5	H	H
1B21*HOV084	2/1	SR-6180	253	PC	4.9	2.0	LIMITORQUE		SHB-000-5	H	H
1B21*HOV085	2/1	SR-6180	253	PC	4.3	1.9	LIMITORQUE		SHB-000-5	H	H
1B21*SOV313A	.75	HR5265683271	600	SC	1.5	1.3	—		—	H	—
1B21*SOV313B	.75	HR5265683271	600	SC	1.5	1.3	—		—	H	—
1B21*SOV314A	.75	HR5265683271	600	SC	1.5	1.3	—		—	H	—

QUALIFICATION MILESTONES

NOTES

REVISION 9 - APRIL 1983

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

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

SHOREHAM UNIT 1
JOB NUMBER 11600
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)

RUN DATE 04/26/83
RUN TIME 14.32.30
PAGE 2

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1B21*SOV314B	.75	HR5265683271	600	SC	1.5	1.3	---	---	H	-
1B31*AOV081	.75	10.3.115	318	PC	6.9	3.0	COPEX	D-100-60	H	H
1B31*AOV082	.75	10.3.115	318	SC	1.5	1.3	COPEX	D-100-60	H	H
1C41*RV021A	1.5	502644	191	SC	2.1	2.0	---	---	F	-
1C41*RV021B	1.5	502644	191	SC	1.9	1.8	---	---	F	-
1D11*HOV032A	1	SR-6190	253	PC	2.3	2.3	LIMITORQUE	SHB-000-2	H	H
1D11*HOV032B	1	SR-6190	253	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1D11*HOV033A	1	SR-6190	253	PC	2.3	2.5	LIMITORQUE	SHB-000-2	H	H
1D11*HOV033B	1	SR-6190	253	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1E11*AOV061A	.75	10.3.115	318	SC	2.3	.7	COPEX	D-100-60	H	H
1E11*AOV061B	.75	10.3.115	318	SC	2.3	.7	COPEX	D-100-60	H	H
1E11*AOV062A	.75	10.3.115	318	SC	2.3	.7	COPEX	D-100-60	H	H
1E11*AOV062B	.75	10.3.115	318	SC	2.3	.7	COPEX	D-100-60	H	H
1E11*HOV031A	20	E5836-1,2	88AD	SC	7.6	1.1	LIMITORQUE	SHB-0-40	H	H
1E11*HOV031B	20	E5836-1,2	88AD	SC	4.6	.9	LIMITORQUE	SHB-0-40	H	H
1E11*HOV031C	20	E5836-1,2	88AD	SC	5.3	.5	LIMITORQUE	SHB-0-40	H	H
1E11*HOV031D	20	E5836-1,2	88AD	SC	4.4	.9	LIMITORQUE	SHB-0-40	H	H
1E11*HOV032A	20	E5836-1,2	88AD	SC	6.1	1.6	LIMITORQUE	SHB-0-40	H	H
1E11*HOV032B	20	E5836-1,2	88AD	SC	2.8	2.7	LIMITORQUE	SHB-0-40	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 9 - APRIL 1983

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

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

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

RDPH LIST
1-SORT
ACTIVE

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

RUN DATE 04/26/83
RUN TIME 14.32.30
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			YOKE	OPER
1E11WNOV032C	20	E5836-1,2	88AD	SC	4.1	5.8	LIMITORQUE	SHB-0-40	H	H
1E11WNOV032D	20	E5836-1,2	88AD	SC	2.6	3.9	LIMITORQUE	SHB-0-40	H	H
1E11WNOV033A	16	SR-6266	88V	SC	3.6	1.7	LIMITORQUE	SHB-1-60	H	H
1E11WNOV033B	16	SR-6266	88V	SC	2.4	1.8	LIMITORQUE	SHB-1-60	H	H
1E11WNOV034A	18	18-300A	88AD	SC	2.0	1.7	LIMITORQUE	SHB-3-150	H	H
1E11WNOV034B	18	18-300A	88AD	SC	1.9	1.3	LIMITORQUE	SHB-3-150	H	H
1E11WNOV035A	16	SR-6266	88V	SC	2.4	1.6	LIMITORQUE	SHB-1-60	H	H
1E11WNOV035B	16	SR-6266	88V	SC	2.2	2.3	LIMITORQUE	SHB-1-60	H	H
1E11WNOV036A	24	E5836-19	88AD	SC	3.2	2.9	LIMITORQUE	SHB-4-200	H	H
1E11WNOV036B	24	E5836-19	88AD	SC	7.6	2.2	LIMITORQUE	SHB-4-200	H	H
1E11WNOV037A	24/1	2422900GT07	88AD	SC	3.7	5.6	LIMITORQUE	SB-4-200	H	H
1E11WNOV037B	24/1	2422900GT07	88AD	SC	4.7	5.0	LIMITORQUE	SB-4-200	H	H
1E11WNOV038A	10	E5836-20	88AD	SC	5.8	1.3	LIMITORQUE	SHB-2-60	H	H
1E11WNOV038B	10	E5836-20	88AD	SC	3.5	1.5	LIMITORQUE	SHB-2-60	H	H
1E11WNOV039A	10	SR-6082	88V	SC	10.8	1.2	LIMITORQUE	SHB-0-25	F	B
1E11WNOV039B	10	SR-6082	88V	SC	4.5	3.8	LIMITORQUE	SHB-0-25	H	H
1E11WNOV040A	16	SR-6266	88V	SC	9.3	7.3	LIMITORQUE	SHB-1-60	H	H
1E11WNOV040B	16	SR-6266	88V	SC	9.0	3.7	LIMITORQUE	SHB-1-60	H	H
1E11WNOV041A	6	SR-6177	88V	SC	2.6	1.6	LIMITORQUE	SHB-00-15	H	H

QUALIFICATION MILESTONES

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

NOTES

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

REVISION 9 - APRIL 1983

SHOREHAM UNIT 1
JOB NUMBER 11600
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)

RUN DATE 04/26/83
RUN TIME 14.32.30
PAGE 4

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
1E11*HOV041B	6	SR-6177	88V	SC	8.5	3.1	LIMITORQUE		SHB-00-15	F	F
1E11*HOV042A	16	E5836-4	88AD	SC	3.2	4.1	LIMITORQUE		SHB-3-80	H	H
1E11*HOV042B	16	E5836-4	88AD	SC	4.3	6.0	LIMITORQUE		SHB-3-80	H	H
1E11*HOV043A	4	SR-6180	88V	SC	1.2	.6	LIMITORQUE		SHB-00-15	H	H
1E11*HOV043B	4	SR-6180	88V	SC	1.4	.9	LIMITORQUE		SHB-00-15	H	H
1E11*HOV044A	4	SR-6180	88V	SC	1.6	.6	LIMITORQUE		SHB-00-15	H	H
1E11*HOV044B	4	SR-6180	88V	SC	1.5	1.3	LIMITORQUE		SHB-00-15	H	H
1E11*HOV045A	4	SR-6180	88V	SC	1.4	1.1	LIMITORQUE		SHB-000-5	H	H
1E11*HOV045B	4	SR-6180	88V	SC	3.3	1.5	LIMITORQUE		SHB-000-5	H	H
1E11*HOV047	20/1	20900-GT06	88AD	PC	5.6	3.2	LIMITORQUE		SB-2-60	H	H
1E11*HOV048	20/1	20900-GT06	88AD	SC	4.4	3.8	LIMITORQUE		SB-2-60 *	H	H
1E11*HOV049	10	SR-6260	88V	SC	2.4	1.8	LIMITORQUE		SHB-2-80	H	H
1E11*HOV050	20	SR-6425	88V	SC	9.8	4.3	LIMITORQUE		SHB-2-60	B	F
1E11*HOV051	4	SR-6180	88V	SC	1.1	1.0	LIMITORQUE		SHB-00-7 1/2 *	H	H
1E11*HOV052	4	SR-6180	88V	SC	1.6	1.2	LIMITORQUE		SHB-00-10	H	H
1E11*HOV053	4	SR-6068	88V	SC	4.4	2.7	LIMITORQUE		SHB-00-10 *	H	H
1E11*HOV054	4/1	SR-6068	88V	PC	4.4	1.5	LIMITORQUE		SHB-00-15	H	H
1E11*HOV055A	1	SR-6190	253	SC	2.3	.7	LIMITORQUE		SHB-000-2	H	H
1E11*HOV055B	1	SR-6190	253	SC	2.3	.7	LIMITORQUE		SHB-000-2	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 9 - APRIL 1983

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

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

SHOREHAM UNIT 1
JOB NUMBER 11600
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)

RUN DATE 04/26/83
RUN TIME 14.32.30
PAGE 5

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
1E11*HOV056A	1	SR-6190	253	SC	2.3	.7	LIMITORQUE		SHB-000-2	H	H
1E11*HOV056B	1	SR-6190	253	SC	2.3	.7	LIMITORQUE		SHB-000-2	H	H
1E11*HOV057A	1	SR-6190	253	SC	2.3	.7	LIMITORQUE		SHB-000-2	H	H
1E11*HOV057B	1	SR-6190	253	SC	2.3	.7	LIMITORQUE		SHB-000-2	H	H
1E11*PCV003A	10	10.3.115	318	SC	2.6	1.9	COPEs		D-100-160	H	H
1E11*PCV003B	10	10.3.115	318	SC	1.0	.6	COPEs		D-100-160	H	H
1E11*PCV007A	4	10.3.115	318	SC	1.2	.9	COPEs		D-100-100	H	H
1E11*PCV007B	4	10.3.115	318	SC	.8	1.7	COPEs		D-100-100	H	H
1E11*RV151A	1	502644	191	SC	1.5	1.3	—		—	F	—
1E11*RV151B	1	502644	191	SC	1.5	1.3	—		—	F	—
1E11*RV151C	1	502644	191	SC	1.5	1.3	—		—	F	—
1E11*RV151D	1	502644	191	SC	1.5	1.3	—		—	F	—
1E11*RV152A	4	502644	191	SC	4.0	2.3	—		—	F	—
1E11*RV152B	4	502644	191	SC	1.1	.9	—		—	F	—
1E11*RV153A	1	502644	191	SC	1.5	1.3	—		—	F	—
1E11*RV153B	1	502644	191	SC	1.5	1.3	—		—	F	—
1E11*RV154	1	502644	191	SC	1.5	1.3	—		—	F	—
1E11*RV155	2	502644	191	SC	1.5	1.3	—		—	F	—
1E11*RV162A	1	502644	191	SC	1.5	1.3	—		—	F	—

QUALIFICATION MILESTONES

NOTES

REVISION 9 - APRIL 1983

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

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

SHOREHAM UNIT 1
JOB NUMBER 11600
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)

RUN DATE 04/26/83
RUN TIME 14.32.30
PAGE 6

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		OPERATOR	6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER			YOKE	OPER
1E11wRV162B	1	502644	191	SC	1.5	1.3	---	---	F	-
1E11wRV163	.75	502644	191	SC	1.5	1.3	---	---	F	-
1E11wRV164	.75	502644	191	SC	1.5	1.3	---	---	F	-
1E11wSOV166A	.75	HR5265683271	600	SC	1.5	1.3	---	---	H	-
1E11wSOV166B	.75	HR5265683271	600	SC	1.5	1.3	---	---	H	-
1E11wSOV167A	.75	HR5265683271	600	SC	1.5	1.3	---	---	H	-
1E11wSOV167B	.75	HR5265683271	600	SC	1.5	1.3	---	---	H	-
1E11wSOV168	.75	HR5265683271	600	SC	1.5	1.3	---	---	H	-
1E11wSOV169	.75	HR5265683271	600	SC	1.5	1.3	---	---	H	-
1E21wHOV031A	14	E5836-7	88AD	SC	2.4	2.0	LIMITORQUE	SHB-000-5	H	H
1E21wHOV031B	14	E5836-7	88AD	SC	3.5	.6	LIMITORQUE	SHB-000-5	H	H
1E21wHOV033A	10/1	SR-6259	88V	SC	7.9	2.1	LIMITORQUE	SHB-2-80	H	H
1E21wHOV033B	10/1	SR-6259	88V	SC	7.9	1.3	LIMITORQUE	SHB-2-80	H	H
1E21wHOV034A	3	SR-6183	88V	SC	1.4	.5	LIMITORQUE	SHB-000-5	H	H
1E21wHOV034B	3	SR-6183	88V	SC	3.4	1.4	LIMITORQUE	SHB-000-5	H	H
1E21wHOV035A	10	10-300GL	88AD	SC	1.0	2.2	LIMITORQUE	SHB-1-40	H	H
1E21wHOV035B	10	10-300GL	88AD	SC	1.0	2.2	LIMITORQUE	SHB-1-40	H	H
1E21wRV092A	.75	502644	191	SC	1.5	1.3	---	---	F	-
1E21wRV092B	.75	502644	191	SC	1.5	1.3	---	---	F	-

QUALIFICATION MILESTONES

NOTES

REVISION 9 - APRIL 1983

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

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

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

RBPM LIST
1-SORT
ACTIVE

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

RUN DATE 04/26/83
RUN TIME 14.32.30
PAGE 7

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		OPERATOR	6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER			YOKE	OPER
1E21WRV093A	1.5	502644	191	SC	1.5	1.3	---	---	F	-
1E21WRV093B	1.5	502644	191	SC	1.5	1.3	---	---	F	-
1E21WRV096A	.75	502644	191	SC	1.5	1.3	---	---	F	-
1E21WRV096B	.75	502644	191	SC	1.5	1.3	---	---	F	-
1E32WHOV021A	1.5/1	SR-6706	253	SC	2.5	1.3	LIHITORQUE	SHC-04-5	G	G
1E32WHOV021B	1.5/1	SR-6706	253	SC	2.8	1.9	LIHITORQUE	SHC-04-5	G	G
1E32WHOV021C	1.5/1	SR-6706	253	SC	2.5	2.4	LIHITORQUE	SHC-04-5	G	G
1E32WHOV021D	1.5/1	SR-6706	253	SC	2.4	1.5	LIHITORQUE	SHC-04-5	G	G
1E32WHOV022A	1.5/2	SR-6706	253	SC	2.3	1.5	LIHITORQUE	SHC-04-3	G	G
1E32WHOV022B	1.5/2	SR-6706	253	SC	2.0	1.7	LIHITORQUE	SHC-04-3	G	G
1E32WHOV022C	1.5/2	SR-6706	253	SC	2.2	2.7	LIHITORQUE	SHC-04-3	G	G
1E32WHOV022D	1.5/2	SR-6706	253	SC	2.4	.8	LIHITORQUE	SHC-04-3	G	G
1E32WHOV023A	1.5/2	SR-6706	253	SC	2.3	.7	LIHITORQUE	SHC-04-3	G	G
1E32WHOV023B	1.5/2	SR-6706	253	SC	2.3	.7	LIHITORQUE	SHC-04-3	G	G
1E32WHOV023C	1.5/2	SR-6706	253	SC	2.3	.7	LIHITORQUE	SHC-04-3	G	G
1E32WHOV023D	1.5/2	SR-6706	253	SC	2.3	.7	LIHITORQUE	SHC-04-3	G	G
1E32WHOV024	2/2	SR-6188	253	SC	1.5	1.1	LIHITORQUE	SHB-000-5	H	H
1E32WHOV025	2/2	SR-6188	253	SC	2.3	.7	LIHITORQUE	SHB-000-5	H	H
1E32WHOV026	2/2	SR-6188	253	SC	1.7	1.4	LIHITORQUE	SHB-000-5	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 9 - APRIL 1983

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

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

SHOREHAM UNIT 1
JOB NUMBER 11400
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)

RUN DATE 04/26/83
RUN TIME 14.32.30
PAGE 8

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		OPERATOR	6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER			YOKE	OPER
1E32WNOV027	2/2	SR-6188	253	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1E41WAOV081	1	10.3.115	318	SC	2.3	.7	COPE5	D-100-60	H	H
1E41WAOV082	1	10.3.115	318	SC	2.3	.7	COPE5	D-100-60	H	H
1E41WAOV083	1	10.3.115	318	CC	2.3	.7	COPE5	D-100-60	H	H
1E41WLCV-091	1	10.3.115	318	SC	2.3	.7	COPE5	D-100-60	H	H
1E41WLCV095	1	10.3.115	318	3C	2.3	.7	COPE5	D-100-60	H	H
1E41WNOV031	16	SR-6266	88V	SC	10.4	2.4	LIMITORQUE	SHB-0-25 *	F	B
1E41WNOV032	16	SR-6266	88V	SC	4.5	1.3	LIMITORQUE	SHB-0-25 *	H	H
1E41WNOV034	14	SR-6267	88V	SC	6.6	1.6	LIMITORQUE	SHB-2-60 *	H	H
1E41WNOV035	14/1	14900-GT05	88AD	SC	5.5	2.4	LIMITORQUE	SHB-3-100 *	H	H
1E41WNOV036	4	SR-6068	88V	SC	2.4	1.1	LIMITORQUE	SHB-00-10 *	H	H
1E41WNOV037	8	SR-6349	88V	SC	1.8	.8	LIMITORQUE	SHB-1-25 *	H	H
1E41WNOV038	10	SR-6262	88V	SC	2.8	1.2	LIMITORQUE	SHB-1-40 *	H	H
1E41WNOV039	2/2	SR-6188	253	SC	2.3	.7	LIMITORQUE	SHB-00-5 *	H	H
1E41WNOV041	10/1	SR-6259	88V	PC	1.6	1.9	LIMITORQUE	SHB-3-80	H	H
1E41WNOV042	10/1	SR-6264	88V	SC	2.5	.9	LIMITORQUE	SHB-1-60 *	H	H
1E41WNOV043	10	SR-6262	88V	SC	1.5	.5	LIMITORQUE	SHB-1-60 *	H	H
1E41WNOV044	18	SR-6270	88V	SC	4.4	4.5	LIMITORQUE	SHB-0-15 *	H	H
1E41WNOV047	1/1	SR-6190	253	PC	2.3	2.4	LIMITORQUE	SHB-000-2	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 9 - APRIL 1983

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

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

SHOREHAM UNIT 1
JOB NUMBER 11400
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)

RUN DATE 04/26/83
RUN TIME 14.32.30
PAGE 9

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		OPERATOR		6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER	SUPPLIER			YOKE	OPER
1E41wHOV048	1/1	SR-6190	253	SC	1.3	2.6	LIMITORQUE		SHB-000-2w	H	H
1E41wHOV049	2/2	SR-6188	253	SC	6.4	.3	LIMITORQUE		SHB-000-2w	H	H
1E41wPCV142	2/2	2-24451	310	SC	2.3	.7	BECK		14-101-ES	H	H
1E41wRV145	.75	502644	191	SC	1.5	1.3	—		—	F	—
1E41wRV146	1.5	502644	191	SC	1.5	1.3	—		—	F	—
1E41wRV147	1.25	502644	191	SC	1.5	1.3	—		—	F	—
1E41wRV149	.75	502644	191	SC	1.5	1.3	—		—	F	—
1E51wAOV081	1	10.3.115	318	SC	2.3	.7	COPEs		D-100-60	H	H
1E51wAOV082	1	10.3.115	318	SC	2.3	.7	COPEs		D-100-60	H	H
1E51wAOV083	1	10.3.115	318	SC	2.3	.7	COPEs		D-100-60	H	H
1E51wLCV091	1	10.3.115	318	SC	2.3	.7	COPEs		D-100-60	H	H
1E51wLCV095	1	10.3.115	318	SC	2.3	.7	COPEs		D-100-60	H	H
1E51wHOV031	6	SR-6177	88V	SC	5.7	1.6	LIMITORQUE		SHB-00-5 w	H	H
1E51wHOV032	6	SR-6177	88V	SC	6.0	.6	LIMITORQUE		SHB-00-5 w	H	H
1E51wHOV034	4	SR-6068	88V	SC	1.2	1.7	LIMITORQUE		SHB-00-10 w	H	H
1E51wHOV035	6/1	SR-6574	88V	SC	3.4	6.5	LIMITORQUE		SHB-00-25 w	H	H
1E51wHOV036	2/2	SR-6188	253	SC	.9	.7	LIMITORQUE		SHB-000-5 w	H	H
1E51wHOV037	4	SR-6068	88V	SC	1.2	.7	LIMITORQUE		SHB-00-10 w	H	H
1E51wHOV038	2/2	SR-6188	253	SC	1.3	.5	LIMITORQUE		SHB-000-5 w	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 9 - APRIL 1983

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

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

SHOREHAM UNIT 1
JOB NUMBER 11600
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)

RUN DATE 04/26/83
RUN TIME 14.32.30
PAGE 10

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
1E51*HOV041	3/1	SR-6060	88V	PC	2.7	4.2	LIMITORQUE	SHB-00-10	H	H
1E51*HOV042	3/1	SR-6060	88V	SC	1.3	1.9	LIMITORQUE	SHB-00-7 1/2	H	H
1E51*HOV043	3	SR-6060	88V	SC	.8	.4	LIMITORQUE	SHB-00-7 1/2	H	H
1E51*HOV045	8	SR-6078	88V	SC	4.5	7.1	LIMITORQUE	SHB-000-5	H	H
1E51*HOV046	2/2	SR-6188	253	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1E51*HOV047	1/1	SR-6190	253	PC	1.6	8.0	LIMITORQUE	SHB-000-2	H	H
1E51*HOV048	1/1	SR-6190	253	SC	1.5	2.5	LIMITORQUE	SHB-000-2	F	F
1E51*HOV049	1.5/2	SR-6189	253	SC	2.6	.8	LIMITORQUE	SHB-000-2	H	H
1E51*PCV142	2/2	2-24451	310	SC	1.8	.8	BECK	14-101-DBQ	H	H
1E51*RV 145	.75	502644	191	SC	1.5	1.3	—	—	H	—
1E51*RV 146	.75	502644	191	SC	2.6	1.6	—	—	H	—
1E51*RV 147	1.25	502644	191	SC	1.5	1.3	—	—	H	—
1E51*RV 149	.75	502644	191	SC	1.5	1.3	—	—	H	—
1G11*HOV246	4	SR-6180	88V	SC	4.3	2.7	LIMITORQUE	SHB-000-5	H	H
1G11*HOV247	4	SR-6180	88V	SC	3.6	5.9	LIMITORQUE	SHB-000-5	H	H
1G11*HOV248	3	SR-6183	88V	SC	1.7	1.3	LIMITORQUE	SHB-000-5	H	H
1G11*HOV249	3	SR-6183	88V	SC	2.5	1.1	LIMITORQUE	SHB-000-5	H	H
1G11*HOV639	3	SR-6477	88V	SC	.9	.5	LIMITORQUE	SHB-000-5	H	H
1G33*HOV030A	4/1	SR-6068	88V	PC	3.6	1.9	LIMITORQUE	SHB-00-15	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 9 - APRIL 1983

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

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

SHOREHAM UNIT 1
JOB NUMBER 11400
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)

RUN DATE 04/26/83
RUN TIME 14.32.30
PAGE 11

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		OPERATOR	6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER			YOKE	OPER
1G33wHOV030B	4/1	SR-6068	88V	PC	7.4	3.3	LIMITORQUE	SHB-00-15	H	H
1G33wHOV031	6/1	SR-6181	88V	PC	5.5	2.5	LIMITORQUE	SHB-0-40	H	H
1G33wHOV032	4/1	SR-6068	88V	PC	6.5	1.4	LIMITORQUE	SHB-00-10	H	H
1G33wHOV033	6/1	SR-6181	88V	PC	8.0	.4	LIMITORQUE	SHB-00-25	H	H
1G33wHOV034	6/1	SR-6181	88V	SC	4.6	2.4	LIMITORQUE	SHB-00-15 *	H	H
1G33wHOV035	4	SR-6353	88V	SC	1.9	.8	LIMITORQUE	SHB-0-15	H	H
1G33wHOV036	4	SR-6353	88V	SC	.9	.5	LIMITORQUE	SHB-0-15	H	H
1G33wHOV037	4	SR-6353	88V	SC	.7	.8	LIMITORQUE	SHB-0-15	H	H
1G33wHOV038	4	SR-6068	88V	SC	.7	.7	LIMITORQUE	SHB-00-15	H	H
1G33wHOV039	4	SR-6068	88V	SC	.6	.6	LIMITORQUE	SHB-00-15	H	H
1G33wHOV040	4	SR-6353	88V	SC	1.3	1.1	LIMITORQUE	SHB-0-15	H	H
1G33wHOV041	6/1	SR-6574	88V	SC	5.1	3.9	LIMITORQUE	SHB-1-25	H	H
1G33wRV093	.75	502644	191	SC	1.5	1.3	—	—	F	—
1G33wRV095A	.75	502644	191	SC	1.5	1.3	—	—	F	—
1G33wRV095B	.75	502644	191	SC	1.5	1.3	—	—	F	—
1G41wHOV032A	6	1891-1	203	SC	1.3	1.5	LIMITORQUE	SHB-00-10	H	H
1G41wHOV032B	6	1891-1	203	SC	1.1	1.0	LIMITORQUE	SHB-00-10	H	H
1G41wHOV033A	6	SR-6177	88V	SC	1.1	1.0	LIMITORQUE	SHB-000-5	H	H
1G41wHOV033B	6	SR-6177	88V	SC	1.2	.8	LIMITORQUE	SHB-000-5	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 9 - APRIL 1983

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

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

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

RBPM LIST
1-SORT
ACTIVE

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

RUN DATE 04/26/83
RUN TIME 14.32.30
PAGE 12

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		OPERATOR	6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER			YOKE	OPER
1G41*HOV034A	10	SR-6082	88V	SC	4.9	1.1	LIMITORQUE	SHB-0-7 1/2	H	H
1G41*HOV034B	10	SR-6082	88V	SC	1.8	.5	LIMITORQUE	SHB-0-7 1/2	H	H
1G41*RV019A	1	502644	191	SC	1.5	1.3	---	---	F	-
1G41*RV019B	1	502644	191	SC	1.5	1.3	---	---	F	-
1G41*RV024	1	502644	191	SC	1.5	1.3	---	---	F	-
1G41*RV025	1	502644	191	SC	1.5	1.3	---	---	F	-
1P41*HOV033A	20	D-0034-8	197	SC	.8	.8	LIMITORQUE	H2BC/SHB0010	H	H
1P41*HOV033B	20	D-0034-8	197	SC	.7	.5	LIMITORQUE	H2BC/SHB0010	H	H
1P41*HOV033C	20	D-0034-5	197	SC	1.0	.5	LIMITORQUE	H2BC/SHE0005	H	H
1P41*HOV033D	20	D-0034-5	197	SC	.7	.8	LIMITORQUE	H2BC/SHB0005	H	H
1P41*HOV034A	20	D-0034-8	197	SC	.6	.1	LIMITORQUE	H2BC/SHB010	H	H
1P41*HOV034B	20	D-0034-8	197	SC	.1	.1	LIMITORQUE	H2BC/SHB010	H	H
1P41*HOV037A	16	D-0034-2	197	SC	.5	.6	LIMITORQUE	H2BC/SHB005	H	H
1P41*HOV037B	16	D-0034-2	197	SC	1.0	.7	LIMITORQUE	H2BC/SHB005	H	H
1P41*HOV039A	1/3	1891-1	203	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1P41*HOV039B	1/3	1891-1	203	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1P41*HOV042A	6	D-0034-9	197	SC	1.2	2.1	LIMITORQUE	H0BC/SHB002	H	H
1P41*HOV042B	6	D-0034-9	197	SC	1.0	1.8	LIMITORQUE	H0BC/SHB002	H	H
1P41*HOV043	1/3	1891-1	203	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 9 - APRIL 1983

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 = SQRT PAPER COMPLETE
H = COPIES OF DOC TO DISTRIBUTION

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

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

RBPM LIST
1-SORT
ACTIVE

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

RUN DATE 04/26/83
RUN TIME 14.32.30
PAGE 13

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
1P41wHOV102A	1/3	1891-1	203	SC	2.3	.7	LIMITORQUE		SHB-000-2	H	H
1P41wHOV102B	1/3	1891-1	203	SC	2.3	.7	LIMITORQUE		SHB-000-2	H	H
1P41wHOV129A	10	15438	281	SC	1.2	1.2	LIMITORQUE		H1BC/SHB0002	H	H
1P41wHOV129B	10	15438	281	SC	1.1	1.3	LIMITORQUE		H1BC/SHB0002	H	H
1P41wRV024A	1	502644	191	SC	1.5	1.3				F	-
1P41wRV024B	1	502644	191	SC	1.5	1.3				F	-
1P41wRV110A	.75	502644	191	SC	1.5	1.3				F	-
1P41wRV110B	.75	502644	191	SC	1.5	1.3				F	-
1P41wRV119	.75	502644	191	SC	1.5	1.3				F	-
1P41wRV130A	.75	502644	191	SC	1.5	1.3				F	-
1P41wRV130B	.75	502644	191	SC	1.5	1.3				F	-
1P42wHOV031A	8	SR-6186	88V	SC	1.1	.3	LIMITORQUE		SHB-000-5	H	H
1P42wHOV031B	8	SR-6186	88V	SC	1.2	.4	LIMITORQUE		SHB-000-5	H	H
1P42wHOV032A	8	SR-6186	88V	SC	1.1	1.2	LIMITORQUE		SHB-000-5	H	H
1P42wHOV032B	8	SR-6186	88V	SC	1.0	1.3	LIMITORQUE		SHB-000-5	H	H
1P42wHOV033A	6	SR-6199	88V	SC	.6	1.0	LIMITORQUE		SHB-000-5	H	H
1P42wHOV033B	6	SR-6199	88V	SC	.7	.9	LIMITORQUE		SHB-000-5	H	H
1P42wHOV034A	6	SR-6199	88V	SC	1.1	1.3	LIMITORQUE		SHB-000-5	H	H
1P42wHOV034B	6	SR-6199	88V	SC	1.3	1.0	LIMITORQUE		SHB-000-5	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 9 - APRIL 1983

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

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

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

RBPB LIST
1-SORT
ACTIVE

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

RUN DATE 04/26/83
RUN TIME 14.32.30
PAGE 14

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		OPERATOR		6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER	SUPPLIER			YOKE	OPER
1P42*H0V035	4	SR-6180	88V	SC	4.6	3.8	LIMITORQUE		SHB-000-5	H	H
1P42*H0V036	4	SR-6180	88V	SC	4.6	2.3	LIMITORQUE		SHB-000-5	H	H
1P42*H0V041A	14	SR-6265	88V	SC	2.2	1.9	LIMITORQUE		SHB-0-25	H	H
1P42*H0V041B	14	SR-6265	88V	SC	2.3	2.5	LIMITORQUE		SHB-0-25	H	H
1P42*H0V042A	14	SR-6265	88V	SC	1.6	2.1	LIMITORQUE		SHB-0-25	H	H
1P42*H0V042B	14	SR-6265	88V	SC	2.4	1.8	LIMITORQUE		SHB-0-25	H	H
1P42*H0V043A	8	SR-6186	88V	SC	.8	.4	LIMITORQUE		SHB-000-5	H	H
1P42*H0V043B	8	SR-6186	88V	SC	2.5	.4	LIMITORQUE		SHB-000-5	H	H
1P42*H0V044A	8	SR-6186	88V	SC	1.0	.5	LIMITORQUE		SHB-000-5	H	H
1P42*H0V044B	8	SR-6186	88V	SC	2.0	1.0	LIMITORQUE		SHB-000-5	H	H
1P42*H0V047	4	SR-6180	88V	SC	3.7	4.2	LIMITORQUE		SHB-000-5	H	H
1P42*H0V048	4	SR-6180	88V	SC	4.0	3.1	LIMITORQUE		SHB-000-5	H	H
1P42*H0V147	4	SR-6180	88V	PC	4.9	4.5	LIMITORQUE		SHB-000-5	H	H
1P42*H0V148	4	SR-6190	88V	PC	4.2	1.0	LIMITORQUE		SHB-000-5	H	H
1P42*H0V231	4	SR-6180	88V	SC	1.2	.9	LIMITORQUE		SHB-000-5	H	H
1P42*H0V232	3	SR-6183	88V	SC	5.2	9.9	LIMITORQUE		SHB-000-5	H	H
1P42*H0V233	3	SR-6183	88V	SC	5.9	7.4	LIMITORQUE		SHB-000-5	H	H
1P42*H0V234	3	SR-6183	88V	SC	5.6	8.9	LIMITORQUE		SHB-000-5	H	H
1P42*H0V235	3	SR-6183	88V	SC	5.9	7.7	LIMITORQUE		SHB-000-5	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 9 - APRIL 1983

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

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

SHOREHAM UNIT 1
JOB NUMBER 11600
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)

RUN DATE 04/26/83
RUN TIME 14.32.30
PAGE 15

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		OPERATOR	6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER			YOKE	OPER
1P42*HOV236	4	SR-6180	88V	SC	4.8	3.3	LIMITORQUE	SMB-000-5	H	H
1P42*HOV237	3	SR-6183	88V	SC	5.4	2.4	LIMITORQUE	SMB-000-5	H	H
1P42*HOV238	3	SR-6183	88V	SC	7.3	2.4	LIMITORQUE	SMB-000-5	H	H
1P42*HOV239	3	SR-6183	88V	SC	10.6	6.1	LIMITORQUE	SMB-000-5	H	H
1P42*HOV240	3	SR-6183	88V	SC	1.8	1.7	LIMITORQUE	SMB-000-5	H	H
1P42*PCV071	6	10.3.115	318	SC	1.0	.6	COPEX	D-100-60	H	H
1P42*RV079A	1	502644	191	SC	1.5	1.3	—	—	F	—
1P42*RV079B	1	502644	191	SC	1.5	1.3	—	—	F	—
1P42*RV080A	1	502644	191	SC	1.5	1.3	—	—	F	—
1P42*RV080B	1	502644	191	SC	1.5	1.3	—	—	F	—
1P42*RV080C	1	502644	191	SC	1.5	1.3	—	—	F	—
1P42*RV080D	1	502644	191	SC	1.5	1.3	—	—	F	—
1P42*RV091A	1	502644	191	PC	6.9	3.0	—	—	F	—
1P42*RV091B	1	502644	191	PC	6.9	3.0	—	—	F	—
1P42*RV291A	.75	502644	191	PC	6.9	3.0	—	—	F	—
1P42*RV291B	.75	502644	191	PC	6.9	3.0	—	—	F	—
1P42*TCV001H	12	CD76-82	423	SC	1.1	1.1	FISHER	656-60	H	H
1P42*TCV001X	10	CD76-82	423	SC	.9	2.3	FISHER	656-60	H	H
1P42*TCV001Y	12	CD76-82	423	SC	1.8	.4	FISHER	656-60	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 9 - APRIL 1983

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

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

SHOREHAM UNIT 1
JOB NUMBER 11600
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)

RUN DATE 04/26/83
RUN TIME 14.32.30
PAGE 16

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		OPERATOR	6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER			YOKE	OPER
1P42*TCV001Z	10	CD76-82	423	SC	1.9	2.0	FISHER	656-60	H	H
1P50*HOV103A	1.5/2	SR-6189	214	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50*HOV103B	1.5/2	SR-6189	214	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50*HOV104	1	SR-6190	214	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1P50*HOV105A	1.5/2	SR-6189	214	PC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50*HOV105B	1.5/2	SR-6189	214	PC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50*HOV106	1	SR-6190	214	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1P50*HOV113A	1	SR-6189	214	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50*HOV113B	1	SR-6189	214	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50*HOV114A	1	SR-6189	214	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50*HOV114B	1	SR-6189	214	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1T23*HOV031A	.5	SR-6341	214	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1T23*HOV031B	.5	SR-6341	214	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1T23*RV021A	.75	502644	191	SC	1.5	1.3	—	—	F	—
1T23*RV021B	.75	502644	191	SC	1.5	1.3	—	—	F	—
1T24*AOV001A	4	10.3.151	318	SC	6.0	3.6	COPEES	D-100-100	H	H
1T24*AOV001B	4	10.3.151	318	SC	2.9	3.7	COPEES	D-100-100	H	H
1T24*AOV004A	4	10.3.151	318	SC	1.0	1.1	COPEES	D-100-100	H	H
1T24*AOV004B	4	10.3.151	318	SC	3.0	2.0	COPEES	D-100-100	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 9 - APRIL 1983

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

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

SHOREHAM UNIT 1
JOB NUMBER 11600
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)

RUN DATE 04/26/83
RUN TIME 14.32.30
PAGE 17

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		OPERATOR	6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER			YOKE	OPER
1T46WAOV035A	72	R-1062-41	111	SC	2.7	.6	BETTIS	T-316 SR2-H3	H	H
1T46WAOV035B	72	R-1062-41	111	SC	5.2	.6	BETTIS	T-316 SR2-H3	H	H
1T46WAOV037A	72	CD75-35	111	SC	1.0	.7	BETTIS	T-316 SR2-H3	H	H
1T46WAOV037B	72	CD75-35	111	SC	.8	.4	BETTIS	T-316 SR2-H3	H	H
1T46WAOV038A	18	4G403	172	PC	1.9	1.5	BETTIS	722C-SR-H3	H	H
1T46WAOV038B	18	4G403	172 F	SC	1.3	1.3	BETTIS	722C-SR-H3	H	H
1T46WAOV038C	18	4G403	172	SC	1.9	1.5	BETTIS	722C-SR-H3	H	H
1T46WAOV038D	18	4G403	172	SC	1.3	1.3	BETTIS	722C-SR-H3	H	H
1T46WAOV039A	18	4G403	172	PC	1.9	1.5	BETTIS	722C-SR-H3	H	H
1T46WAOV039B	18	4G403	172	SC	1.3	1.3	BETTIS	722C-SR-H3	H	H
1T46WAOV039C	18	4G403	172	SC	4.8	4.8	BETTIS	722C-SR-H3	H	H
1T46WAOV039D	18	4G403	172	SC	4.4	2.1	BETTIS	722C-SR-H3	H	H
1T46WAOV078A	6	10.3.145	310	PC	2.5	1.5	COPEs	D-100-100	H	H
1T46WAOV078B	6	10.3.145	310	SC	1.3	.4	COPEs	D-100-100	H	H
1T46WAOV079A	6	10.3.151	310	SC	3.9	1.8	COPEs	D-100-100	H	H
1T46WAOV079B	6	10.3.151	310	SC	5.2	2.0	COPEs	D-100-100	H	H
1T46WTCV-022A	4	2-24451	310	SC	.6	.4	BECK	14-101-ES	H	H
1T46WTCV-022B	4	2-24451	310	SC	.9	1.0	BECK	14-101-ES	H	H
1T46WTCV-023A	4	2-24451	310	SC	1.2	.2	BECK	14-101-ES	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 9 - APRIL 1983

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

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

SHOREHAM UNIT 1
JOB NUMBER 11600
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)

RUN DATE 04/26/83
RUN TIME 14.32.30
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
1T46*TCV-023B	4	2-24451	310	SC	1.3	.8	BECK		14-101-ES	H	H
1T46*TCV-024A	4	2-24451	310	SC	.9	.6	BECK		14-101-ES	H	H
1T46*TCV-024B	4	2-24451	310	SC	1.0	.6	BECK		14-101-ES	H	H
1T46*TCV-025A	4	2-24451	310	SC	1.2	.7	BECK		14-101-ES	H	H
1T46*TCV-025B	4	2-24451	310	SC	.4	.5	BECK		14-101-ES	H	H
1T46*TCV-026A	4	2-24451	310	SC	1.1	.6	BECK		14-101-ES	H	H
1T46*TCV-026B	4	2-24451	310	SC	1.0	.6	BECK		14-101-ES	H	H
1T46*TCV-028A	2/3	2-24451	310	SC	2.3	.7	BECK		14-101-ES	H	H
1T46*TCV-028B	2/3	2-24451	310	SC	2.3	.7	BECK		14-101-ES	H	H
1T46*TCV059A	2/3	2-24451A	310	SC	1.0	.1	BECK		14-101-ES	H	H
1T46*TCV059B	2/3	2-24451A	310	SC	2.3	.7	BECK		14-101-ES	H	H
1T46*TCV060A	2/3	2-24451A	310	SC	.7	.7	BECK		14-101-ES	H	H
1T46*TCV060B	2/3	2-24451A	310	SC	2.3	.7	BECK		14-101-ES	H	H
1T47*RV037	.75	502644	191	PC	6.9	3.0	---		---	F	---
1T47*RV038	.75	502644	191	PC	6.9	3.0	---		---	F	---
1T48*HOV004	1	SR-6190	253	SC	2.3	.7	LIMITORQUE		SHB-000-2	H	H
1T48*HOV031A	6	SR-6177	88V	PC	2.9	2.3	LIMITORQUE		SHB-00-5	H	H
1T48*HOV031B	6	SR-6177	88V	PC	6.1	1.6	LIMITORQUE		SHB-00-5	H	H
1T48*HOV032A	6	SR-6177	88V	PC	4.5	2.7	LIMITORQUE		SHB-00-7 1/2	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 9 - APRIL 1983

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

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

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

RDPH LIST
1-SORT
ACTIVE

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

RUN DATE 04/26/83
RUN TIME 14.32.30
PAGE 19

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		OPERATOR	6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER			YOKE	OPER
1T48*HOV032B	6	SR-6177	88V	PC	5.3	3.2	LIMITORQUE	SHB-00-7 1/2	H	H
1T48*HOV033A	6	SR-6177	88V	SC	4.2	1.5	LIMITORQUE	SHB-00-5	H	H
1T48*HOV033B	6	SR-6177	88V	SC	4.9	1.3	LIMITORQUE	SHB-00-5	H	H
1T48*HOV034A	6	SR-6177	88V	SC	5.3	4.4	LIMITORQUE	SHB-00-7 1/2	H	H
1T48*HOV034B	6	SR-6177	88V	SC	3.7	1.3	LIMITORQUE	SHB-00-7 1/2	H	H
1T48*HOV035A	4	SR-6180	88V	SC	4.2	2.8	LIMITORQUE	SHB-000-5	H	H
1T48*HOV035B	4	SR-6180	88V	SC	6.4	5.7	LIMITORQUE	SHB-000-5	H	H
1T48*HOV037A	6	SR-6177	88V	SC	4.7	5.8	LIMITORQUE	SHB-00-7 1/2	H	H
1T48*HOV037B	6	SR-6177	88V	SC	4.4	3.0	LIMITORQUE	SHB-00-7 1/2	H	H
1T48*HOV038A	4	SR-6180	88V	SC	4.1	2.0	LIMITORQUE	SHB-000-5	H	H
1T48*HOV038B	4	SR-6180	88V	SC	5.0	1.9	LIMITORQUE	SHB-000-5	H	H
1T48*HOV040A	6	SR-6177	88V	SC	8.6	5.9	LIMITORQUE	SHB-00-7 1/2	H	H
1T48*HOV040B	6	SR-6177	88V	SC	4.0	1.5	LIMITORQUE	SHB-00-7 1/2	H	H
1T48*HOV041	4	SR-6180	88V	SC	1.3	.7	LIMITORQUE	SHB-000-5	H	H
1T48*HOV042	4	SR-6180	88V	SC	1.0	1.3	LIMITORQUE	SHB-000-5	H	H
1T48*HOV043A	4	SR-6180	88V	SC	2.9	2.5	LIMITORQUE	SHB-000-5	H	H
1T48*HOV043B	4	SR-6180	88V	SC	5.9	2.0	LIMITORQUE	SHB-000-5	H	H
1T48*HOV044A	4	SR-6180	88V	SC	6.0	1.9	LIMITORQUE	SHB-000-5	H	H
1T48*HOV044B	4	SR-6180	88V	SC	4.9	1.8	LIMITORQUE	SHB-000-5	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 9 - APRIL 1983

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 =SQRT PAPER COMPLETE
H =COPIES OF DOC TO DISTRIBUTION

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

SHOREHAM UNIT 1
JOB NUMBER 11600
LILCO DOCKET 50-322

RBPB LIST
1-SORT
ACTIVE

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

RUN DATE 04/26/83
RUN TIME 14.32.30
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
1T48WPCV143A	.25	QTR-745	492	SC	1.5	1.3	—		—	F	—
1T48WPCV143B	.25	QTR-745	492	SC	1.5	1.3	—		—	F	—
1T48WPCV143C	.25	QTR-745	492	SC	1.5	1.3	—		—	F	—
1T48WPCV143D	.25	QTR-745	492	SC	1.5	1.3	—		—	F	—
1T48WPCV144A	.25	QTR-745	492	SC	1.5	1.3	—		—	F	—
1T48WPCV144B	.25	QTR-745	492	SC	1.5	1.3	—		—	F	—
1T48WPCV145A	.25	QTR-745	492	SC	1.5	1.3	—		—	F	—
1T48WPCV145B	.25	QTR-745	492	SC	1.5	1.3	—		—	F	—
1T48WPCV145C	.25	QTR-745	492	SC	1.5	1.3	—		—	F	—
1T48WPCV145D	.25	QTR-745	492	SC	1.5	1.3	—		—	F	—
1T48WPCV146A	.25	QTR-745	492	SC	1.5	1.3	—		—	F	—
1T48WPCV146B	.25	QTR-745	492	SC	1.5	1.3	—		—	F	—
1T48WRV017A	3	502644	191	SC	1.9	.7	—		—	F	—
1T48WRV017B	3	502644	191	SC	3.7	3.1	—		—	F	—
1T48WSOV126A	.75	HR5265683271	600	SC	1.5	1.3	—		—	H	—
1T48WSOV126B	.75	HR5265683271	600	SC	1.5	1.3	—		—	H	—
1T48WSOV127A	.75	HR5265683271	600	SC	1.5	1.3	—		—	H	—
1T48WSOV127B	.75	HR5265683271	600	SC	1.5	1.3	—		—	H	—
1T48WSOV128A	.75	HR5265683271	600	SC	1.5	1.3	—		—	H	—

QUALIFICATION MILESTONES

NOTES

REVISION 9 - APRIL 1983

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

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

SHOREHAM UNIT 1
JOB NUMBER 11600
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)

RUN DATE 04/26/83
RUN TIME 14.32.30
PAGE 21

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		OPERATOR		6 MODEL NO.	7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	YOKE		OPER	
1T48xSOV128B	.75	HR5265683271	600	SC	1.5	1.3	---	---		H	-
1T48xSOV129A	.75	HR5265683271	600	SC	1.5	1.3	---	---		H	-
1T48xSOV129B	.75	HR5265683271	600	SC	1.5	1.3	---	---		H	-
1T48xSOV130	.75	HR5265683271	600	SC	1.5	1.3	---	---		H	-
1T48xSOV131	.75	HR5265683271	600	SC	1.5	1.3	---	---		H	-
1T48xSOV136A	.75	HR5265683271	600	SC	1.5	1.3	---	---		H	-
1T48xSOV136B	.75	HR5265683271	600	SC	1.5	1.3	---	---		H	-
1T48xSOV137A	.75	HR5265683271	600	SC	1.5	1.3	---	---		H	-
1T48xSOV137B	.75	HR5265683271	600	SC	1.5	1.3	---	---		H	-
1Z93xFCV011A	.25	17759-83N	493	SC	1.5	1.3	---	---		F	-
1Z93xFCV011B	.25	17759-83N	493	SC	1.5	1.3	---	---		F	-
1Z93xPCV010A	.25	QTR-745	492	SC	1.5	1.3	---	---		F	-
1Z93xPCV010B	.25	QTR-745	492	SC	1.5	1.3	---	---		F	-

QUALIFICATION MILESTONES

NOTES

REVISION 9 - APRIL 1983

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

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