

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ	SAFE HTNG	QUAL SHYDN STATUS
1B21*PHU-501	TRIP/CALIB UNIT	406-5	CD	ROSEHOUNT	063	YES	127531	SAT	57+ F	N	H
1B21*TE-037	NH 5TH LINE TURB AREA	406-1	CD	ROSEHOUNT	042	YES	2767	SAT	35+ F4	CS,HS	H
1D11*P-126	AUX. PUMP SKTD	475-5	PD	KAHAN	070	YES	K-83-1-U(R)	SA	27 F	N	E
1D11*P-134	AUX. PUMP SKTG	475-5	PD	KAHAN	120	YES	K-83-1-U(R)	SA	27 F	N	E
1D11*PNL-021	RDSBVS MONITORING PANE	332	PD	NHC	063	YES	45493-1	HBT	13 F	N	G
1D11*PNL-022	RDSBVS MONITORING PANE	332	PD	NHC	063	YES	45493-1	HBT	13 F	N	H
1D11*PNL-025	CONT ROOM MONITOR PNL	332	PD	NHC	044	YES	45493-1	HBT	14 F2	N	H
1D11*PNL-026	CONT ROOM MONITOR PNL	332	PD	NHC	044	YES	45493-1	HBT	14 F2	N	H
1D11*PNL-027	CONT RM VENT MONIT PNL	332	PD	NHC	063	YES	45493-1	HBT	13 F	N	H
1D11*PNL-066	POST ACCOUNT MON	332	PD	NHC	063	YES	45493-1	HBT	14 F	N	F
1D11*PNL-067	POST ACCOUNT MONITORS	332	PD	NHC	063	YES	45493-1	HBT	14 F	N	F
1D11*PNL-068	POST ACCOUNT MONITORS	332	PD	NHC	063	YES	45493-1	HBT	14 F	N	H
1D11*PNL-069	POST ACCOUNT MONITORS	332	PD	NHC	063	YES	45493-1	HBT	14 F	N	H
1D11*PNL-080	RAD MON PNL	332	PD	NHC	063	YES	45493-1	HBT	6 F2	N	H
1D11*PNL-117	RAD MON SYS IND	475-4	PD	KAHAN	063	YES			F2	N	F
1D11*PNL-126	STA VENT MONITOR	475-1	PD	KAHAN	063	YES	16435	HBT	4 F	N	F
1D11*PNL-134	PD SVS MONITOR	475-1	PD	KAHAN	113	YES	16435	HBT	4 F	N	F
1D11*PNL-135	MICROCOMP FOR PNL126	475-2	PD	KAHAN	063	YES	16435-A	HBT	19 F	N	H
1D11*PNL-137	MICROCOMP FOR PNL134	475-2	PD	KAHAN	063	YES	16435-A	HBT	19 F	N	H
1G11*LTS-642	TK56 LEVEL	473	CD	DELAVAL	063	YES	45700-1	HBT	14 F	N	H

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  
 Z =PASSIVE ITEM  
 (SORT PAPER NOT  
 REQ'D)

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

REVISION 19, FEBRUARY 1984  
 NOTE: NUMBER IN  
 'TYPE HTNG' COLUMN IS  
 QUANTITY OF ITEMS.

SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

CB LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.51.32  
 PAGE 2

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ	SAFE HTNG	QUAL SHTDN	STATUS
1G11xLTS-645	RB FLOOD LEVEL	473	CD	DELAVAL	063	YES	45700-1	HBT	14 F2	N	H	
1H11xMCB-01	MAIN CONTROL BOARD	120	CD	RELIANCE	063	YES	43331-1	SA/HST	16 F	CS,HS	H	
1H11xPNL-AC1	H2&02 ANAL&PST ACC SAN	125-4	CD	RELIANCE	063	YES	RCAP-001-0	SA	13 F	CS	F	
1H11xPNL-AC2	H2&02 ANAL&PST ACC SAN	125-4	CD	RELIANCE	063	YES	RCAP-001-0	SA	13 F	CS	F	
1H11xPNL-BR1	BUFFER RELAY CAB	125-5	CD	RELIANCE	044	YES	99AX400536	SA/HST	37 F	CS,HS	E	
1H11xPNL-HXP	HIISC CONTROL PANEL	125-12	CD	RELIANCE	063	YES	99AX400590	SA/HST	17 F	CS,HS	F	
1H11xPNL-PCH	PRI CONT MONITOR PANEL	125-13	CD	RELIANCE	063	YES	99AX400666	SA/HST	14 F	N	E	
1H11xPNL-VC1	TB & HIISC VENT	125-6	CD	RELIANCE	063	YES	99AX400536	SA/HST	17 F	CS	F	
1H11xPNL-VC2	RB VENT	125-6	CD	RELIANCE	063	YES	99AX400536	SA/HST	17 F	CS	E	
1H21xPNL-AX1	AUX RELAY	125-7	CD	RELIANCE	044	YES	99AX400590	SA/HST	32 F	CS,HS	E	
1H21xPNL-AX2	AUX RELAY	125-7	CD	RELIANCE	044	YES	99AX400590	SA/HST	32 F	CS,HS	E	
1H21xPNL-AX3	AUX RELAY PANEL AX3	125-14	CD	RELIANCE	063	YES	AAI-131	SA/HST	22 F	CS,HS	F	
1H21xPNL-AX5	AUX RELAY PANEL AX5	125-14	CD	RELIANCE	063	YES	AAI-131	SA/HST	22 F	CS,HS	F	
1H21xPNL-AX6	AUX RELAY PANEL AX6	125-14	CD	RELIANCE	063	YES	AAI-131	SA/HST	22 F	CS,HS	F	
1H21xPNL-VX1	VENT AUX RELAY	125-8	CD	RELIANCE	044	YES	99AX0536-VX1	SA/HST	34 F	CS,HS	E	
1H21xPNL-VX2	VENT AUX RELAY	125-8	CD	RELIANCE	044	YES	99AX0536-VX1	SA/HST	34 F	CS,HS	E	
1H21xPNL-VX3	VENT AUX RELAY	125-8	CD	RELIANCE	044	YES	99AX0536-VX1	SA/HST	23 F	CS,HS	E	
1H21xPNL-060	ELEC ANAL INSTR RK	125-1	CD	RELIANCE	044	YES	99AX400679	SA/HST	33 F	CS,HS	H	
1H43xHS003	FIRE DET SH STA	319-4	ED	POWERS REG	044	YES	43812-1	HBT	24 F3	CS,HS	H	
1H43xHS006	FIRE DET SH STA	319-4	ED	POWERS REG	025	YES	43812-1	HBT	24 F3	CS,HS	H	

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

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

SBT=SINGLE FREQUENCY  
 BIAXIAL TESTING  
 N =NEITHER CS OR HS  
 Z =PASSIVE ITEM  
 (SORT PAPER NOT  
 REQ'D)

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

REVISION 19 FEBRUARY 1984  
 NOTE: NUMBER IN  
 'TYPE HTNG' COLUMN IS  
 QUANTITY OF ITEMS.

SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

CB LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.51.32  
 PAGE 3

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ	SAFE HTNG	QUAL SHTDN	STATUS
1H43*PHL-C01	C02 DETEC PHL RELAY R1	238	PD	RELIANCE	044	YES	44204-1	HBT	17 F2	N	H	
1H43*PHL-C02	C02 SUPVR PHL BATTERY	238	PD	RELIANCE	025	YES	44204-1	HBT	17 F	N	H	
1H43*PHL-C03	C02 SUPVR PHL BATTERY R	238	PD	RELIANCE	025	YES	44204-1	HBT	17 F	N	H	
1H43*PHL-C04	C02 SUPVR PHL BATTERY R	238	PD	RELIANCE	025	YES	44204-1	HBT	17 F	N	H	
1H43*PHL-C05	C02 SUPVR PHL DSL RH 1	238	PD	RELIANCE	015	YES	44204-1	HBT	17 F	N	H	
1H43*PHL-C06	C02 SUPVR PHL DSL RH 1	238	PD	RELIANCE	015	YES	44204-1	HBT	17 F	N	H	
1H43*PHL-C07	C02 SUPVR PHL DSL RH 1	238	PD	RELIANCE	015	YES	44204-1	HBT	17 F	N	H	
1H43*PHL-C08	C02 SUPVR PHL EMER SWG	238	PD	RELIANCE	025	YES	44204-1	HBT	17 F	N	H	
1H43*PHL-C09	C02 SUPVR PHL EMER SWG	238	PD	RELIANCE	025	YES	44204-1	HBT	17 F	N	H	
1H43*PHL-C10	C02 SUPVR PHL EMER SWG	238	PD	RELIANCE	025	YES	44204-1	HBT	17 F	N	H	
1H43*PHL-C11	C02 SUPVR PHL COMPUTER	238	PD	RELIANCE	044	YES	44204-1	HBT	17 F	N	H	
1H50*AOV062	RBSVS & CRAC	423-1	CD	FISHER	071	YES	CD76-82	SAT	23 P2	CS,HS	H	
1H50*AOV063	RBSVS & CRAC	423-1	CD	FISHER	071	YES	CD76-82	SAT	23 P2	CS,HS	H	
1H50*AOV068	CHILLED HTR ISO BY	318-6	CD	COPEES VULCAN	071	YES	10.3.115	SA	124 P2	CS,HS	H	
1H50*AOV069	CHILLED HTR ISO BY	318-6	CD	COPEES VULCAN	075	YES	10.1.115	SA	124 P2	CS,HS	H	
1H50*FT-043	WC-3 EVAP	406-2	CD	ROSEHONT	063	YES	127516	SBT	50 F2	CS,HS	H	
1H50*FT-053	WC-4 EVAP	406-2	CD	ROSEHONT	063	YES	127516	SBT	50 F2	CS,HS	H	
1H50*LCV025	CH SYSTEM A MAKEUP	318-6	CD	COPEES VULCAN	072	YES	10.3.115	SA	124 P2	CS,HS	H	
1H50*LS 002	ISOL BYP V AOV68A,69A	407-1	CD	MAGNETROL	063	YES	43235-1	HBT	17 F2		HS	H
1H50*LS 025	CH SYSTEM A MAKEUP	407-1	CD	MAGNETROL	063	YES	43235-1	HBT	17 F2		HS	H

CS =COLD SHUT DOWN  
 DA =DYNAMIC ANALYSIS  
 F =FLOOR MOUNTED  
 HS =HOT STANDBY  
 HST=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  
 Z =PASSIVE ITEM  
 (SQRT PAPER NOT  
 REQ'D)

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

REVISION 19 FEBRUARY 1984  
 NOTE: NUMBER IN  
 'TYPE HTNG' COLUMN IS  
 QUANTITY OF ITEMS.

SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DUCKET 50-322

CB LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.51.32  
 PAGE 4

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL HETH	TYPE	SAFE SHTDN	QUAL STATUS
1H50*HOV031	CH RETURN	197-5	PD	PRATT	071	YES	D-0034-7	SA	394 P2	CS,HS	H
1H50*HOV032	CH SUPPLY	197-5	PD	PRATT	075	YES	D-0034-7	SA	394 P2	CS,HS	H
1H50*HOV033	CH RETURN CROSSOVER	197-5	PD	PRATT	071	YES	D-0034-7	SA	394 P2	CS,HS	H
1H50*HOV034	CH SUPPLY CROSSOVER	197-5	PD	PRATT	075	YES	D-0034-7	SA	394 P2	CS,HS	H
1H50*P-137	RBSVS & CRAC CH PUMPS	626-2	PD	GOULD PUMPS	063	YES	HE-326	SA	81 F2	CS,HS	H
1H50*P-138	RBSVS & CRAC CH PUMPS	626-2	PD	GOULD PUMPS	063	YES	HE-326	SA	81 F2	CS,HS	H
1H50*P-139	RBSVS & CRAC COND PUMP	62H	PD	WORTHINGTON	063	YES	DHA-000047	SA	31 F2	CS,HS	H
1H50*P-140	RBSVS & CRAC COND PUMP	62H	PD	WORTHINGTON	063	YES	DHA-000047	SA	31 F2	CS,HS	H
1H50*PCV019	RBSV H50 DIFF PRESS	310-2	CD	FISHER CONTROL	063	YES	2-24451	SA/SAT	25 P2	CS	H
1H50*PDT019	RBSVS H50 DIF PR	406-2	CD	ROSEMONT	063	YES	127516	SDT	50 F2	CS,HS	H
1H50*PNL-03	CHILLER CONTROL PANEL	106-2	PD	TRANE CO	063	YES	NUC-102	SA	13 F2	CS,HS	H
1H50*PNL-04	CHILLER CONTROL PANEL	106-2	PD	TRANE	063	YES	NUC-102	SA	13 F2	CS,HS	H
1H50*RV091	CHILLED H2O SURGE TK88	191	CD	LONERGAN	072	YES	502644	SA	60 P2	CS,HS	H
1H50*TE 089	RBSVS CHILLED HTR SYS	406-1	CD	ROSEMONT	078	YES	2767	SAT	35+ F2	CS,HS	H
1H50*TK-088	RBSVS & CRAC-SURGE TAN	114-1	PD	BUFFALO TANK	063	YES	NH(B)-122-IA	SA	45 F2	CS,HS	H
1H50*HC-003	RBSVS & CRAC WTR CHILL	106-1	PD	TRANE CO	063	YES	NUC-102	SA	31 F2	CS,HS	H
1H50*HC-004	RBSVS & CRAC WTR CHOLL	106-1	PD	TRANE CO	063	YES	NUC-102	SA	31 F2	CS,PS	H
1H11*HOV031	2ND STAGE REHEAT STH	88V-14	PD	VELAN	051	YES	SR-6262	SA/SAT	33+ P2	HS	H
1H11*HOV036	HISC STH FROM HOR ISO	88V-14	PD	VELAN	051	YES	SR-6262	SA/SAT	33+ P	HS	H
1H11*HOV041	AUXILIARY STEAM SUPPLY	88V-8	PD	VELAN	051	YES	SR-6181	SA/SAT	33+ P	CS	H

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  
 Z =PASSIVE ITEM  
 (SQRT PAPER NOT  
 REQ'D)

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

REVISION 19 FEBRUARY 1984  
 NOTE: NUMBER IN  
 'TYPE MTNG' COLUMN IS  
 QUANTITY OF ITEMS.

SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

CB LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.51.32  
 PAGE 5

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ	MTNG	SAFE SHTDN	QUAL STATUS
1P41*ADV016	DIESEL HX E-13A OUTLET	423-1	CD	FISHER	025	YES	CD76-82	SA	23	P3	CS	H
1P41*FT 054	HC-3 COND HTR IN	406-2	CD	ROSEMONT	063	YES	127516	HBT	60+	F2	CS,HS	H
1P41*FT 059	HC-4 COND HTR IN	406-2	CD	ROSEMONT	063	YES	127516	HBT	60+	F2	CS,HS	H
1P41*HOV036A	VT CHILL HTR SPLY ISOL	197-4	PD	PRATT	012	YES	D-0034-3	SA	33+	P	CS,HS	H
1P41*HOV036B	VT CHILL HTR SPLY ISOL	197-4	PD	PRATT	012	YES	D-0034-3	SA	33+	P	CS,HS	H
1P41*HOV036C	VT CHILL HTR SPLY ISOL	197-6	PD	PRATT	050	YES	D-0034-4	SA	297	P	CS,HS	H
1P41*PS 008	SUCTION 1N50*P-139B	348-1	CD	ASCO	063	YES	178	SAT	50+	F2	CS,HS	H
1P41*PS 009	SUCTION 1N50*P-140B	348-1	CD	ASCO	063	YES	178	SAT	50+	F2	CS,HS	H
1P41*RV 019	OUTLET DIESEL HX-13	191	CD	LONERGAN	028	YES	502644	SA	60	P3	CS,HS	H
1P41*RV 064	CNTRL RH & RBSVS HC-3	191	CD	LONERGAN	072	YES	502644	SA	60	P2	HS	H
1P41*RV 065	CNTRL RH & RBSVS HC-4B	191	CD	LONERGAN	072	YES	502644	SA	60	P2	HS	H
1P41*TCV055	CNTRL RH & RBSVS HC-3	310-3	CD	FISHER CONT.	063	YES	C076-20	SA	40	P6	CS,HS	H
1P41*TCV060	CNTRL RH & RBSVS HC-4	310-3	CD	FISHER CONT.	063	YES	C076-20	SA	40	P6	CS,HS	H
1P41*TE 055	CNTRL RH & RBSVS HC-3	406A	CD	CONAX	068	YES	IPS-805	HBT	60	P2	CS,HS	H
1P41*TE 060	CNTRL RH & RBSVS HC-4	406A	CD	CONAX	068	YES	IPS-805	HBT	60	P2	CS,HS	H
1R22*SNG-101	4.16KV EHER BUS 101	39	ED	GEN ELEC CO	025	YES	300-91059	DA/SAT	8	F	CS,HS	H
1R22*SNG-102	4.16KV EHER BUS 102	39	ED	GEN ELEC CO	025	YES	300-91059	DA/SAT	8	F	CS,HS	H
1R22*SNG-103	4.16KV EHER BUS 103	39	ED	GEN ELEC CO	025	YES	300-91059	DA/SAT	8	F	CS,HS	H
1R23*PHL-001	480V LOAD RESET PANEL1	125-3	CD	RELIANCE	025	YES	AA1-125	SA/SAT	24	F	CS,HS	F
1R23*PHL-002	480V LOAD RESET PANEL2	125-3	CD	RELIANCE	025	YES	AA1-125	SA/SAT	24	F	CS,HS	F

CS =COLD SHUT DOWN  
 DA =DYNAMIC ANALYSIS  
 F =FLOOR MOUNTED  
 HS =HOT STANDBY  
 HST=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  
 Z =PASSIVE ITEM  
 (SQRT PAPER NOT  
 REQ'D)

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

REVISION 19 FEBRUARY 1984

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

SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

CB LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.51.32  
 PAGE 6

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHTDN	QUAL STATUS
1R23*PNL-003	480V LOAD RESET PANEL3	125-3	CD	RELIANCE	025	YES	AA1-125	SA/SAT	24	F	CS,HS	F
1R23*SHG-111	480V EHER SHGR BUS 111	95-1	ED	ITE	025	YES	33-48359	HBT	5	F	CS,HS	H
1R23*SHG-112	480V EHER SHGR BUS 112	95-1	ED	ITE	025	YES	33-48359	HBT	5	F	CS,HS	H
1R23*SHG-113	480V EHER SHGR BUS 113	95-1	ED	ITE	025	YES	33-48359	HBT	5	F	CS,HS	H
1R24*HCC1115	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS	H
1R24*HCC1114	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS	H
1R24*HCC1125	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS	H
1R24*HCC1126	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS	H
1R24*HCC1133	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS	H
1R24*HCC1134	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	025	YES	108-1.01 L2	HBT	4	F	CS,HS	H
1R35*PNL-B1	EHER 120V PNL B1-REL R	124-2	ED	SYSTEM CONT	044	YES	15074	SAT	21	F	CS,HS	H
1R35*PNL-B3	EHER 120/240V PANEL	124-2	ED	SYSTEM CONT	020	YES	15074	SAT	21	F	CS,HS	H
1R35*PNL-R1	EHER 120V PNL R1-REL R	124-2	ED	SYSTEM CONT	044	YES	15074	SAT	21	F	CS,HS	H
1R35*PNL-R3	EHER 120/240V PANEL	124-2	ED	SYSTEM CONT	020	YES	15074	SAT	21	F	CS,HS	H
1R35*PNL-01	EHER 120V PNL 01-REL R	124-2	ED	SYSTEM CONT	044	YES	15074	SAT	21	F	CS,HS	H
1R35*PNL-02	EHER 120/240V PANEL	124-2	ED	SYSTEM CONT	020	YES	15074	SAT	21	F	CS,HS	H
1R35*T-B1	XFHR-EHER 120V PNL B1	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	H
1R35*T-B3	XIFR-EHER 120V PNL B3	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	H
1R35*T-R1	XFHR-EHER 120V PNL R1	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	H
1R35*T-R3	XIFR-EHER 120V PNL R3	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	H

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  
 Z =PASSIVE ITEM  
 (SQRT PAPER NOT  
 REQ'D)

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

REVISION 19 FEBRUARY 1984

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

SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

CB LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.51.32  
 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
1R35*T-01	XFR-EHER 120V PNL 01	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	H
1R35*T-02	XFR-EHER 120V PNL 02	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	H
1R35*T-201	XFR-HTR SPACE HTR-BUS	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	H
1R35*T-202	XFR-HTR SPACE HTR-BUS	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	H
1R35*T-203	XFR-HTR SPACE HTR-BUS	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9	F	CS,HS	H
1R41*E/S050	POWER SUPPLY	421	CD	BAILEY-METER	043	YES	QR-3201-7000PS	HBT	38+	F4	CS	H
1R42*BA-A1	125VOLT BATTERY	116	ED	GOULD INC	025	YES	42795	HBT	40+	F	CS,HS	H
1R42*BA-B1	125VOLT BATTERY	116	ED	GOULD INC	025	YES	42795	HBT	40+	F	CS,HS	H
1R42*BA-C1	125VOLT BATTERY	116	ED	GOULD INC	025	YES	42795	HBT	40+	F	CS,HS	H
1R42*DC-A1	125VOLT BATTERY CHARGE	118	ED	SOLIDSTATE	025	YES	3/29/76	SAT	8	F	CS,HS	H
1R42*DC-B1	125VOLT BATTERY CHARGE	118	ED	SOLIDSTATE	025	YES	3/29/76	SAT	8	F	CS,HS	H
1R42*DC-C1	125VOLT BATTERY CHARGE	118	ED	SOLIDSTATE	025	YES	3/29/76	SAT	8	F	CS,HS	H
1R42*PNL-A1	125 VDC DIST PANEL BUS	124-2	ED	SYSTEM CONT	025	YES	15074	SAT	21	F	CS,HS	H
1R42*PNL-A2	125 VDC DIST PANEL BUS	124-2	ED	SYSTEM CONT	044	YES	15074	SAT	21	F	CS,HS	H
1R42*PNL-B1	125 VDC DIST PANEL BUS	124-2	ED	SYSTEM CONT	025	YES	15074	SAT	21	F	CS,HS	H
1R42*PNL-B2	125 VDC DIST PANEL BUS	124-2	ED	SYSTEM CONT	044	YES	15074*	SAT	21	F	CS,HS	H
1R42*PNL-C1	125 VDC DIST PANEL BUS	124-2	ED	SYSTEM CONT	025	YES	15074	SAT	21	F	CS,HS	H
1R42*PNL-C4	125 VDC DST PNL-BLK-B5	124-2	ED	SYSTEM CONT	025	YES	15074	SAT	21	F	CS,HS	H
1R42*SHG-A1	125 VDC SHG BATTERY BU	95-2	ED	ITE	025	YES	33-51266	HBT	5	F	CS,HS	H
1R42*SHG-B1	125 VDC SHG BATTERY BU	95-2	ED	ITE	025	YES	33-51266	HBT	5	F	CS,HS	H

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  
 Z =PASSIVE ITEM  
 (SQRT PAPER NOT  
 REQ'D)

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

REVISION 19 FEBRUARY 1984

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

SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 59-322

CB LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.51.32  
 PAGE 8

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ	SAFE HTNG	QUAL SHTDN	STATUS
1R42*SHG-C1	125 VDC SHG BATTERY BU	95-2	ED	ITE	025	YES	33-51266	HBT	5 F	CS,HS	H	
1R43*G-101	EMER DIESEL GENERATOR	89	ED	DE LAVAL	025	YES	11001	DA	4 F18	CS,HS	H	
1R43*G-102	EMER DIESEL GENERATOR	89	ED	DE LAVAL	025	YES	11001	SAT	4 F18	CS,HS	H	
1R43*G-103	EMER DIESEL GENERATOR	89	ED	DE LAVAL	025	YES	11001	SAT	4 F18	CS,HS	H	
1R43*LS 004	FUEL OIL AUX DAY TK	407-2	CD	MAGNETROL	022	YES	43235-1	SAT	17 F3	N	H	
1R43*LS 007	FUEL OIL AUX DAY TK	407-2	CD	MAGNETROL	022	YES	43235-1	SAT	17 F3	N	H	
1R43*TK-135	FUEL OIL DAY	114-4	PD	BUFFALO TANK	044	YES	HH(B)-134-IA	SA	27 F3	CS	H	
1R81*T-012	HT TRACING TRANSFR	248-2	ED	MAGNETICS	025	YES	43424-1	HBT	9 F2	CS,HS	H	
1T48*PNL-ACH	PC ATH CNTRL	125-9	CD	RELIANCE	063	YES	99AX400600	SA/SAT	19 F	N	H	
1T48*PNL-A2	HYD RECOMBINER CONT CA	289-3	PD	ATOMICS INT	063	YES	54591-4	HBT	6 F2	N	H	
1T48*RK-25	HYDRO RECOMB CONT CABI	344-2	ED	DELPHI IND	063	YES	1035-5	SA/SAT	29 F2	N	H	
1T48*RK-26	HYDRO RECOMB CONT CABI	344-2	ED	DELPHI IND	063	YES	1035-5	SA/SAT	29 F2	N	H	
1X41*ACU-14	COMP, RELAY&EM SHGR RH	240	PD	BAHNSON CO	044	YES	A-47-75-01	SA	39 F2	CS,HS	H	
1X41*DHPF	FIRE DAMPERS	54	PD	AIR BALANCE	044	YES	AB1-SH-009	SAT	9+ F30	CS,HS	H	
1X41*FN-029	RELAY&EMER SHGR RET FN	270-1	PD	BUFFALO FORGE	053	YES	745-11139	SA	26 F2	CS,HS	H	
1X41*FN-039	CR CHILL EQUIP RH EXH	270-2	PD	BUFFALO FORGE	067	YES	745-11140A	SA	57 F2	CS,HS	H	
1X41*FN-072	BATTERY RH VENTILATION	270-3	PD	BUFFALO FORGE	035	YES	745-11140C	SA	105 F3	CS,HS	H	
1X41*FS 013	ACU-14 AIR FLOW	319-4	ED	POWERS REG	031	YES	43812-1	HBT	24 F2	CS,HS	H	
1X41*FS 017	FN-29 AIR FLOW	319-4	ED	POWERS REG	044	YES	43812-1	HBT	24 F2	CS,HS	H	
1X41*HE 021	ACU-14 COOLING CNTRL	319-4	ED	POWERS REG	044	YES	43812-1	HBT	24 F2	CS,HS	H	

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  
 Z =PASSIVE ITEM  
 (SQRT PAPER NOT  
 REQ'D)

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

REVISION 19 FEBRUARY 1984

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



SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

CB LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.51.32  
 PAGE 9

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*HIT021	ACU-14 COOLING CNTRL	319-4	ED	POHERS REG	049	YES	43812-1	HBT	24	F2	CS,HS	H
1X41*HOD031	FN-039 OUTDOOR AIR	319-4	ED	POHERS REG	063	YES	43812-1	HBT	24	F2	CS,HS	H
1X41*HOD032	FN-039 EXHAUST AIR	319-4	ED	POHERS REG	064	YES	44540-1	HBT	27	F2	CS,HS	H
1X41*HOD035	ACU-14A DISCHARGE AIR	319-4	ED	POHERS REG	044	YES	43812-1	HBT	24	F2	CS,HS	H
1X41*HOD036	ON FAN FN-29A& B	319-4	ED	POHERS REG	044	YES	43812-1	HBT	24	F2	CS,HS	H
1X41*HOD039	FN-72 OUTDOOR AIR	319-4	ED	POHERS REG	037	YES	44057-1	HBT	21	F3	CS,HS	H
1X41*HOD040	FN-72 EXHAUST AIR	319-4	ED	POHERS REG	041	YES	44057-1	HBT	21	F3	CS,HS	H
1X41*HOD041	FN-72 RETURN AIR	319-4	ED	POHERS REG	035	YES	44057-1	HBT	21	F3	CS,HS	H
1X41*HOD059	RELAY & CHPTR RH TEMP	319-4	WD	POHERS REG	044	YES	44057-1	HBT	21	F2	CS,HS	H
1X41*PHLVC16	VENT CONTROL PANEL	319-3	ED	POHERS REG	025	YES	1001-6	SA/SAT	24	F	N	H
1X41*PHLVC17	VENT CONTROL PANEL	319-3	ED	POHERS REG	025	YES	1001-6	SA/SAT	24	F	N	H
1X41*PHLVC18	VENT CONTROL PANEL	319-3	ED	POHERS REG	025	YES	1001-6	SA/SAT	24	F	N	H
1X41*PHLVC19	VENT CONTROL PANEL	319-3	ED	POHERS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X41*PHLVC20	VENT CONTROL PANEL	319-3	ED	POHERS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X41*PHLVC21	VENT CONTROL PANEL	319-3	ED	POHERS REG	044	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X41*TCV021	ACU-14 COOLING COIL	310-2	CD	FISHER CONT.	053	YES	2-24451	SA	25	P2	CS	H
1X41*TE 018	FN-72 DAMPER CONTROL	319-4	ED	POHERS REG	030	YES	43812-1	HBT	24	F3	CS,HS	H
1X41*TE 021	ACU-14 COOLING CONT	406-1	CD	ROSEMOUNT	044	YES	2767	SAT	35+	F2	CS,HS	H
1X41*TIS031	FN-39 CONTROL	319-4	ED	POHERS REG	068	YES	43812-1	HBT	24	F2	CS,HS	H
1X41*TT-001	RH TEMP IND	319-4	ED	POHERS REG	025	YES	43812-1	HBT	24	F2	N	H

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  
 Z =PASSIVE ITEM  
 (SQRT PAPER NOT  
 REQ'D)

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

REVISION 19 FEBRUARY 1984

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

SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DUCKET 50-322

CB LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.51.32  
 PAGE 10

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE FREQ	HTNG	SAFE SHTON	QUAL STATUS
1X41*TT-002	RH TEMP IND	319-4	ED	POHERS REG	025	YES	43012-1	HBT	24	F2	N	H
1X41*TT-003	RH TEMP IND	319-4	ED	POHERS REG	025	YES	43012-1	HBT	24	F2	N	H
1X41*TT-004	RH TEMP IND	319-4	ED	POHERS REG	044	YES	43012-1	HBT	24	F2	N	H
1X41*TT-005	RH TEMP IND	319-4	ED	POHERS REG	034	YES	43012-1	HBT	24	F2	N	H
1X41*TT-006	CHILLER EQUIP RH TEMP	319-4	ED	POHERS REG	060	YES	43012-1	HBT	24	F2	N	H
1X41*TT-007	BAT RH TEMP	319-4	ED	POHERS REG	039	YES	43012-1	HBT	24	F2	N	H
1X41*TT-009	COMPUTER RH TEMP	319-4	ED	POHERS REG	044	YES	43012-1	HBT	24	F2	N	H
1X60*FH-020	DIESEL GEN RH SUPPLY F	270-4	PD	BUFFALO FORGE	040	YES	745-11130	SA	20	F3	CS,HS	H
1X60*H0D031	FH-20 OUTDOOR AIR	319-4	ED	POHERS REG	030	YES	44057-1	HBT	21	F3	CS	H
1X60*H0D032	FH-39 HOT DAMPER	319-4	ED	POHERS REG	030	YES	44057-1	HBT	21	F3	CS	H
1X60*H0D033	FH-20 RETURN AIR	319-4	ED	POHERS REG	030	YES	44057-1	HBT	21	F3	CS	H
1X60*PNLVC13	VENT CONTROL PANEL	319-3	ED	POHERS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X60*PNLVC14	VENT CONTROL PANEL	319-3	ED	POHERS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X60*PNLVC15	VENT CONTROL PANEL	319-3	ED	POHERS REG	025	YES	1001-6	SA/SAT	24	F	CS,HS	H
1X61*ACU-07	CONTROL ROOM A/C UNITS	240	PD	BAHNSON CO	063	YES	A-47-75-01	SA	39	F2	CS,HS	H
1X61*A0D037	CNTRL RH ISOL	319-4	ED	POHERS REG	063	YES	44540-1	HBT	27	F3	CS,HS	H
1X61*A0V036	CNTRL RH ISOL	111-1	PD	FISHER	063	YES	CD75-35	SA/SAT	17+	P2	CS	H
1X61*A0V030	CNTRL RH ISOL	111-1	PD	FISHER	073	YES	CD75-35	SA/SAT	21	P2	CS	H
1X61*A0V039	CNTRL RH ISOL	111-1	PD	FISHER	063	YES	CD75-35	SA/SAT	21	P2	CS	H
1X61*DRPF	FIRE DAMPERS	54	PD	AIR BALANCE	063	YES	AB1-SM-009	SAT	9+	F0	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  
 Z =PASSIVE ITEM  
 (SQRT PAPER NOT  
 REQ'D)

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

REVISION 19 FEBRUARY 1984  
 NOTE: NUMBER IN  
 'TYPE HTNG' COLUMN IS  
 QUANTITY OF ITEMS.

SHOREH/ UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

CB LIST  
 1-SORT  
 ACTIVE

STONE & WEBSTER ENGINEER CORPORATION  
 CONTROL BUILDING CATEGORY I EQUIPMENT  
 BOP QUALIFICATION LEVEL (216 ITEMS)  
 IS-316

RUN DATE 02/27/84  
 RUN TIME 15.51.32  
 PAGE 11

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	TYPE	SAFE SHTDN	QUAL STATUS
1X61*FLT-02	CRAC FILTER TRAINS	105-1	PD	FARR CO	063	YES	D-56302	SA/SAT	17 F2	CS,HS	H
1X61*FN-025	CONTROL ROOM BOOSTER F	102-2	PD	BUFFALO FORGE	063	YES	745-4234A	SA	27 F2	CS,HS	H
1X61*FS 011	FN-25 CNTRL	319-4	PD	POWERS REG	063	YES	43812-1	HBT	24 F2	CS,HS	H
1X61*FS 012	ACU-7 AIR FLOW	319-4	ED	POWERS REG	063	YES	43812-1	HBT	24 F3	CS,HS	H
1X61*FS 030	1X61*AOV030 CONTROL	319-4	ED	POWERS REG	066	YES	43812-1	HBT	24 F2	CS,HS	H
1293*THU-021	ACU-7 CNTRL	319-4	ED	POWERS REG	063	YES	43812-1	HBT	24 F2	CS,HS	H
1X61*H00033	FN-25 DISCH AIR	319-4	ED	POWERS REG	063	YES	44540-1	HBT	27 F2	H	H
1X61*H00034	ACU-7 DISCHARGE AIR	319-4	ED	POWERS REG	063	YES	43812-1	HBT	24 F2	CS,HS	H
1X61*H00031	CNTRL RM ISOL	111-2	PD	FISHER	063	YES	CD75-35	SA/SAT	22+ P2	CS	H
1X61*H00032	CNTRL RM ISOL	111-2	PD	FISHER	063	YES	CD75-35	SA/SAT	22+ P2	CS	H
1X61*TCV021	ACU-7A COOLING UNIT	310-2	CD	FISHER CONT.	071	YES	2-24451	SA	25 P2	CS	H
1X61*TE 021	ACU COOLING CONT	406-1	CD	ROSEHOUNT	067	YES	2767	SAT	35+ F2	CS,HS	H
1293*THU502	TRIP/CALIB UNIT	406-5	CD	ROSEHOUNT	063	YES	127531	SAT	57+ F4	CS	H
1295*ENC5X1	SXS ENCLOSURE	125-10	CD	RELIANCE	044	YES	99AX400827	SA	61 F	N	H
1295*ENC5X2	SXS ENCLOSURE	125-10	CD	RELIANCE	044	YES	99AX400827	SA	61 F	N	H
1295*ENC5X3	SXS ENCLOSURE	125-10	CD	RELIANCE	044	YES	99AX400827	SA	61 F	N	H
1297*PNLER1	MULTIPLY CAB	125-11	CD	RELIANCE	044	YES	99AX401437	SA	14 F	N	G
1297*PNLER2	MULTIPLY CAB	125-11	CD	RELIANCE	044	YES	99AX401437	SA	14 F	N	G

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  
 Z =PASSIVE ITEM  
 (SQRT PAPER NOT  
 REQ'D)

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

REVISION 19 FEBRUARY 1984

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

SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

RB LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.51.26  
 PAGE 1

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTHG	SAFE SHTDN	QUAL STATUS
1B21* <del>LIT</del> 007	PRESS TRANSMITTER	406-6	CD	ROSEHOUNT	SC079	YES	108025	HBT	50	F2	CS,HS	H
1B21* <del>PNS</del> 001	LIMIT SWITCH	10127	CD	NAHCO	PC082		QTR112	SAT	100	P12	N	H
1B21* <del>PNS</del> 002	LIMIT SWITCH	10127	CD	NAHCO	SC082		QTR112	SAT	100	P12	N	H
1B21* <del>PT</del> 004	PRESS TRANSMITTER	406-6	CD	ROSEHOUNT	SC079	YES	108025	HBT	50	F2	CS,HS	H
1B21* <del>PT</del> 153	RV092 MONITOR	406-2	CD	ROSEHOUNT	SC040	YES	127516	HBT	60+	F11	CS,HS	H
1B21* <del>QEN</del> 001	HS SRV QNCHRS	447	PD	SARGENT	PC008	YES	R-S-10078000	DA	9	F11	CS,HS	H
1B21* <del>RV</del> 093	VAC RELIEF VALVES	175	PD	AND. GRNHD	PC	YES	N05905198	SAT	18	F12	N	H
1B21* <del>TE</del> 147	HST PA STEAM LK DET	406-1	CD	ROSEHOUNT	SC078	YES	2767	SAT	60+	F2	CS,HS	H
1C11* <del>SOV</del> 042	SOLENOID VALVE - ARI	10119	CD	ASCO	SC063	YES	DTB04R771651	SAT	90	F2	CS,HS	H
1C11* <del>SOV</del> 048	SOLENOID VALVE - ARI	10119	CD	ASCO	SC063	YES	DTB04R771651	SAT	90	F2	CS,HS	H
1C61* <del>LT</del> 026	SUPP POOL	406-2	CD	ROSEHOUNT	SC008	YES	127516	HBT	60+	F	CS,HS	H
1C61* <del>PT</del> 012	DRYHELL PRESS	406-2	CD	ROSEHOUNT	SC098	YES	127516	HBT	60+	F	CS,HS	H
1C61* <del>PT</del> 106	SAFETY REL VALVE	406-2	CD	ROSEHOUNT	SC101	YES	127516	HBT	60+	F	CS,HS	H
1C61* <del>TE</del> 021	DRYHELL TEMP	406-1	CD	ROSEHOUNT	SC150	YES	2767	SAT	60+	F	CS,HS	H
1C61* <del>TE</del> 022	SUPP POOL TEMP	406-4	CD	ROSEHOUNT	PC028	YES	17607-1	HBT	60+	F2	CS,HS	H
1D11* <del>PNL</del> 061	CON DH MON	332	PD	NHC	SC112	YES	45493-1	HBT	12	F	N	H
1D21* <del>RE</del> 085	RAD MONITOR	475-3	CD	KAHAN	PC074	YES	16683-1	HBT	100	F2	N	H
1E21* <del>P</del> -049	LOOP LEVEL PUMPS	235	PD	GOULD PUMP	SC008	YES	HE-320	SA	60+	F2	CS	H
1E41* <del>P</del> -050	LOOP LEVEL PUMP	235	PD	GOULD PUMP	SC008	YES	HE-320	SA	60+	F	CS	H
1E41* <del>PT</del> 142	TO LUBE OIL COOLER	406-2	CD	ROSEHOUNT	SC8	YES	127516	HBT	60+	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  
 Z =PASSIVE ITEM  
 (SQRT PAPER NOT  
 REQ'D)

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

REVISION 19 FEBRUARY 1984  
 NOTE: NUMBER IN  
 'TYPE HTHG' COLUMN IS  
 QUANTITY OF ITEMS.

SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

RB LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.51.26  
 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
1E51*P-051	LOOP LEVEL PUMP	235	PD	GOULD PUMP	SC008	YES	HE-320	SA	60+	F	CS	H
1E51*PT 142	TO LUBE OIL COOLER	406-2	CD	ROSEHOUNT	SC0	YES	127516	HBT	60+	F	CS,HS	H
1F16*RAK-22	HI DENSITY SPNT FUEL R	427	PD	HACHTER	SC137	YES	LIL-T-151	DA	10	F29	N	H
1F16*RAK-23	PERM CR STOR RACKS	427	PD	HACHTER	SC137	YES	LIL-T-151	DA	10	F	N	H
1F16*RAK-24	TEMP CR STOR RACKS	427	PD	HACHTER	SC137	YES	LIL-T-151	DA	10	F2	N	H
1G11*FT 647	SUPP POOL PUMP BACK	406-2	CD	ROSEHOUNT	SC008	YES	127516	HBT	60+	F3	CS,HS	H
1G11*LE 642	RB FLOOR LEVEL	473	CD	DELAVAL	SC008	YES	45700-1	HBT	14	F	N	H
1G11*LE 645	RB FLOOD LEVEL	473	CD	DELAVAL	SC008	YES	45700-1	HBT	14	F2	N	H
1G41*E-019	FUEL STG POOL HT EXCHA	190-1	PD	STRUTHERS CO	SC151	YES	70-06-30787	SA	25	F2	CS,HS	H
1G41*P-023	FUEL STORAGE POOL COOL	0626-1	PD	GOULD PUMP	SC151	YES	HE-325	SA	33	F2	N	H
1P41*FT 146	RBCLCH HX SERV WATER	406-2	CD	ROSEHOUNT	SC024	YES	127516	HBT	60+	F2	CS,HS	H
1P41*FT 151	RAD MON SAMPLE	406-2	CD	ROSEHOUNT	SC008	YES	127516	HBT	60+	F2	CS,HS	H
1P42*E-011	RBCLCH HT EXCHANGER	190-2	PD	STRUTHERS CO	SC0	YES	70-06-30786	SA	12	F2	CS,HS	H
1P42*E-117	BOOSTER HT EXCH	190-3	PD	STRUTHERS	SC0	YES	79-06-33475	SA	5+	F2	HS	H
1P42*LS 012	RBCLCH TK-026	407-1	CD	MAGNETROL	SC160	YES	43235-1	HBT	17	F2	HS	H
1P42*LS 013	RBCLCH TK-026	407-1	CD	MAGNETROL	SC160	YES	43235-1	HBT	17	F2	HS	H
1P42*P-005	RB CLOSED LOOP COOLING	0626-3	PD	GOULD PUMP	SC151	YES	HE-354	SA	68	F3	HS	H
1P42*PS 021	PUMP 1P42*P005C DISCH	348-2	ED	ASCO	SC153	YES	178	SAT	60+	F3	HS	H
1P42*PS 022	PUMP 1P42*P005B DISCH	348-2	ED	ASCO	SC153	YES	178	SAT	60+	F3	HS	H
1P42*PS 046	PUMP 1P42*P005A DISCH	348-2	ED	ASCO	SC151	YES	178	SAT	60+	F3	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  
 Z =PASSIVE ITEM  
 (SQRT PAPER NOT  
 REQ'D)

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

REVISION 19 FEBRUARY 1984  
 NOTE: NUMBER IN  
 'TYPE MTNG' COLUMN IS  
 QUANTITY OF ITEMS.

SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

RB LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.51.26  
 PAGE 3

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHTDN	QUAL STATUS
1P42*TK-026	RBCLCH HEAD TANK	114-2	PD	BUFFALO TANK	SC151	YES	NH(B)25-IA	SA	9	F2	HS	H
1P50*PS 105	SERV AIR HDR PRESS	348-2	ED	ASCO	SC102		178	SAT	60+	F2	CS,HS	H
1P50*PS 113	SERV AIR HDR NORM SUP	348-2	ED	ASCO	SC102		178	SAT	60+	F2	CS,HS	H
1P50*PT 111	ADS ACCUMULATOR	406-2	CD	ROSEMOUNT	SC101	YES	127516	HBT	60+	F2	CS,HS	H
1P50*PT 116	SERV AIR HDR PRESS	406-2	CD	ROSEMOUNT	SC101	YES	127516	HBT	60+	F2	CS,HS	H
1R24*HCC-111H	HTR CNTRL CNTR	115-1	ED	SQUARE D CO	SC150	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC-111X	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC113	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC-111Y	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC78	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC-111Z	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC78	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC-112H	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC150	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC-112X	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC78	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC-112Y	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC112	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC-111	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1112	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC113	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1113	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC113	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1114	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC151	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1117	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1118	480 V MOTOR CONT CENTE	115-1	ED	SQUARE D CO	SC113	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1119	480 V MOTOR CONT CENTE	115-1	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1121	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4	F	CS,HS	H

CS =COLD SHUT DOWN  
 D =DUCT MOUNTED  
 DA =DYNAMIC ANALYSIS  
 F =FLOOR MOUNTED  
 HS =HOT STANDBY  
 HST=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  
 Z =PASSIVE ITEM  
 (SQRT PAPER NOT  
 REQ'D)

QUALIFICATION MILESTONES REVISION 19 FEBRUARY 1984  
 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

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

SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

RB LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.51.26  
 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
1R24*HCC1122	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC79	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1123	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC113	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1124	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC151	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1127	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1128	480 V MOTOR CONT CENTE	115-1	ED	SQUARE D CO	SC113	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1129	480 V MOTOR CONT CENTE	115-1	ED	SQUARE D CO	SC40	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HCC1131	MOTOR CONT CNTR, BUS 1	115-1	ED	SQUARE D CO	SC63	YES	108-1.01-L2	HBT	4	F	CS,HS	H
1R24*HG-111	LPCI HG SET	439-1	ED	LOUIS ALLIS	SC150	YES	HE698	SA	27	F	N	H
1R24*HG-112	LPCI HG SET	439-1	ED	LOUIS ALLIS	SC150	YES	HE698	SA	27	F	N	H
1R24*HG-113	LPCI HG SET	439-1	ED	LOUIS ALLIS	SC150	YES	HE698	SA	27	F2	N	H
1R24*PHL-B1	480 VAC CKT BKR	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24*PHL-G1	480 VAC CKT BKR	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24*PHL-R1	480 VAC CKT BKR	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24*PHL-R2	480 VAC CKT BKR	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24*PHL-Y1	480 VAC CKT BKR	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24*PHL-01	480 VAC CKT BKR	115-2	ED	SQUARE D CO	SC78	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24*PHL-02	480 VAC CKT BKR	115-2	ED	SQUARE D CO	SC78	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24*PHL-03	480 VAC CKT BKR	115-2	ED	SQUARE D CO	SC78	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24*PHL-04	480 VAC CNTRL PHR FEED	115-2	ED	SQUARE D CO	SC112	YES	8998-10.09-L23	HBT	20	F	CS,HS	H
1R24*PHL-111	LPCI SIP PHL	439-2	ED	LOUIS ALLIS	SC150		84-66829	HBT	27	F	N	H

CS =COLD SHUT DOWN  
 D =DUCT MOUNTED  
 DA =DYNAMIC ANALYSIS  
 F =FLOOR MOUNTED  
 HS =HOT STANDBY  
 HBT=MULTI-FREQUENCY  
 BIAXIAL TESTING  
 -HBT=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.  
 MALL  
 N =NEITHER CS OR HS  
 Z =PASSIVE ITEM  
 (SQRT PAPER NOT  
 REQ'D)

QUALIFICATION MILESTONES REVISION 19 FEBRUARY 1984  
 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

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

SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

RB LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.51.26  
 PAGE 5

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	REQ	TYPE HTNG	SAFE SHTDN	QUAL STATUS
1R24*PNL-112	LPCI SIP PNL	439-2	ED	LOUIS ALLIS	SC150		84-66829	HBT	27	F	N	H
1R24*PNL-113	LPCI SIP PNL	439-2	ED	LOUIS ALLIS	SC150		84-66829	HBT	27	F2	N	H
1R24*TRS111X	LCPI ATS	438	ED	ASCO	SC112	YES	14606	HBT	13	F	CS,HS	H
1R24*TRS112Y	LCPI ATS	438	ED	ASCO	SC112	YES	14606	HBT	13	F	CS,HS	H
1R35*PNL-B2	EMER 120 V PNL B2-SC	124-1	ED	SYSTEM CONT	SC112	YES	45322-1	HBT	15	F	CS,HS	H
1R35*PNL-R2	EMER 120 V PNL R2-SC	124-1	ED	SYSTEM CONT	SC112	YES	45322-1	HBT	15	F	CS,HS	H
1R35*T-B2	480-120/240V TRANS	248-1	ED	MAGNETICS	SC112	YES	HYLE43424-1	HBT	9	F	CS,HS	H
1R35*T-R2	480-120/240V TRANS	248-1	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	H
1T23*Z-EB1	REACTOR CONT ELEC PEN	456	ED	CONAX	PC078	YES	IPS 453	SAT	24	F	CS,HS	H
1T23*Z-EB2	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	H
1T23*Z-ED5	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	H
1T23*Z-ED6	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	H
1T23*Z-WB3	REACTOR CONT ELEC PEN	456	ED	CONAX	PC078	YES	IPS 453	SAT	24	F	CS,HS	H
1T23*Z-WB4	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	H
1T23*Z-WC4	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	H

CS =COLD SHUT DOWN  
 D =DUCT MOUNTED  
 DA =DYNAMIC ANALYSIS  
 F =FLOOR MOUNTED  
 HS =HOT STANDBY  
 HBT=MULTI-FREQUENCY  
 BIAIXIAL 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  
 BIAIXIAL TESTING  
 SC =SECONDARY CONT.  
 / =LOCATED ON CONT.  
 HALL  
 N =NEITHER CS OR HS  
 Z =PASSIVE ITEM  
 (SQRT PAPER NOT  
 REQ'D)

QUALIFICATION MILESTONES REVISION 19 FEBRUARY 1984  
 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

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



SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

RB LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.51.26  
 PAGE 6

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSF	QUAL REPT	QUAL METH	FREQ	TYPE MTNG	SAFE SHYDN	QUAL STATUS
1T23*Z-HD1	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	H
1T23*Z-HD2	REACTOR CONT ELEC PEN	134	ED	GEN ELEC CO	PC078	YES	F73414	SAT	24	F	CS,HS	H
1T46*ACD040	RB REFUEL LVL EXHAUST	319-1	CD	POHERS REGUL	SC154	YES	44540-1	SA/SAT	40	F2	CS	H
1T46*AD041	RB POT CONTAH AREA EXH	319-5	CD	POHERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	CS,HS	H
1T46*CLC-05	RBSVS COOLING COILS	276-1	PD	BUFFALO FORGE	SC113	YES	80N-27781	SA	5	F2	CS,HS	H
1T46*FLT-01	RBSVS FILTER TRAINS	105-2	PD	FARR CO	SC112	YES	D-56291	SA/SAT	11	F2	CS,HS	H
1T46*FN-003	RB EXH FANS-RBNVS	270-5	PD	BUFFALO FORGE	SC124	YES	74S-11136	SA	15	F3	CS	H
1T46*FN-079	RB EXH BOOSTER FAN	102-1	PD	BUFFALO FORGE	SC133	YES	74S-4244C	SA	51	F2	CS,HS	H
1T46*FT 004	RBSVS EXH AIR FLOW	319-5	CD	POHERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	N	H
1T46*HE 002	FLT-1 MOISTURE	319-5	CD	POHERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	N	H
1T46*HOD031	RBSVS INLET TO MIX PLN	319-5	CD	POHERS REGUL	SC135	YES	43812-1	SA/SAT	24	F2	CS,HS	H
1T46*HOD034	RBSVS FILTER TRAIN DCH	319-2	CD	POHERS REGUL	SC102	YES	44540-1	SA/SAT	60	F2	CS	H
1T46*HOD036	FN-3 DISCHARGE AIR	319-5	CD	POHERS REGUL	SC126	YES	43812-1	SA/SAT	24	F3	CS,HS	H
1T46*HOD047	FN-79 DISCHARGE AIR	319-5	CD	POHERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	N	H
1T46*HOD048	FLT-1 INLET AIR	319-5	CD	POHERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	N	H
1T46*PDS045	FN-3 DIFF PRESSURE	319-5	CD	POHERS REGUL	SC112	YES	43812-1	SA/SAT	24	F2	CS,HS	H
1T46*PDS046	FN-3 DIFF PRESSURE	319-5	CD	POHERS REGUL	SC112	YES	43812-1	SA/SAT	24	F3	CS,HS	H
1T46*PDT003	FLT-1A DIFF PRESSURE	406-2	CD	ROSEHOUNT	SC112	YES	127516	HBT	60+	F2	CS,HS	H
1T46*PDT043	REACTOR BLDG DIFF	406-2	CD	ROSEHOUNT	SC220	YES	127516	HBT	60+	F2	CS,HS	H
1T46*TE 001	RBSVS RECIRC AIR TEMP	406-1	CD	ROSEHOUNT	SC144	YES	2767	SAT	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  
 Z =PASSIVE ITEM  
 (SQRT PAPER NOT  
 REQ'D)

QUALIFICATION MILESTONES  
 A =REVALUATION 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 19 FEBRUARY 1984  
 NOTE: NUMBER IN  
 'TYPE MTNG' COLUMN IS  
 QUANTITY OF ITEMS.

SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

RB LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.51.26  
 PAGE 7

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFE SHTDN	QUAL STATUS
1T46*TE 006	TEMP. ELEMENT	406A	CD	CONIAX	SC048	YES	IPS-805	HBT	60+	F	CS,HS	H
1T46*TE 022	AIR RETURN TO UC-2	406-1	CD	ROSEHOUNT	SC10	YES	2767	SAT	60+	F2	CS,HS	H
1T46*TE 023	AIR RETURN TO UC-3	406-1	CD	ROSEHOUNT	SC42	YES	2767	SAT	60+	F2	CS,HS	H
1T46*TE 024	AIR RETURN TO UC-4	406-1	CD	ROSEHOUNT	SC220	YES	2767	SAT	60+	F2	CS,HS	H
1T46*TE 025	AIR RETURN TO UC-5	406-1	CD	ROSEHOUNT	SC220	YES	2767	SAT	60+	F2	CS,HS	H
1T46*TE 028	HCC RH UNIT COOLER	406-1	CD	ROSEHOUNT	SC128	YES	2767	SAT	60+	F2	CS,HS	H
1T46*TE 059	*UC-21 UNIT CLR	406-1	CD	ROSEHOUNT	SC155	YES	2767	SAT	60+	F2	CS,HS	H
1T46*TE 060	*UC-22 UNIT CLR	406-1	CD	ROSEHOUNT	SC160	YES	2767	SAT	60+	F2	CS,HS	H
1T46*UC-002	UNIT COOLERS-RBSVS	276-2/6	PD	BUFFALO FORGE	SC8	YES	80N-27781	SA	5	F2	CS,HS	H
1T46*UC-003	UNIT COOLERS-RBSVS	276-2/6	PD	BUFFALO FORGE	SC008	YES	80N-27781	SA	5	F2	CS,HS	H
1T46*UC-004	UNIT COOLERS-RBSVS	276-3	PD	BUFFALO FORGE	SC175	YES	80N-27781	SA	5	F2	CS,HS	H
1T46*UC-005	UNIT COOLERS-RBSVS	276-3	PD	BUFFALO FORGE	SC175	YES	80N-27781	SA	5	F2	CS,HS	H
1T46*UC-020	UNIT COOLERS-HCC IN RB	276-4	PD	BUFFALO FORGE	SC112	YES	80N-27781	SA	5	F2	CS,HS	H
1T46*UC-021	UNIT COOLERS	276-5	PD	BUFFALO FORGE	SC150	YES	80N-27781	SA	5	F2	CS,HS	H
1T46*UC-022	UNIT COOLERS - RBSVS	276-5	PD	BUFFALO FORGE	SC161	YES	80N-27781	SA	5	F2	CS,HS	H
1T46*UC-023	UNIT COOLER HCC RB	276-7	PD	BUFFALO FORGE	SC040	YES	80N-27903-6	SA	5	F	N	H
1T48*FT 005N	HEPA FILTER INLET	406-2	CD	ROSEHOUNT	SC113	YES	127516	SAT	60+	F2	CS,HS	H
1T48*LS 061	COND LEVEL	407-1	CD	MAGNETROL	SC73	YES	43235-1	HBT	17	F2	HS	H
1T48*PHL-48	HYD RECOMB POWER CABIN	289-1	PD	ATONICS INT	SC112	YES	58083	HBT	14	F2	N	H
1T48*PHL-68	GAS ANALYZER-DRYHELL	344-1	PD	DELPHI IND	SC112	YES	1035-1	HBT	18	F2	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  
 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  
 Z =PASSIVE ITEM  
 (SQRT PAPER NOT  
 REQ'D)

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

REVISION 19 FEBRUARY 1984  
 NOTE: NUMBER IN  
 'TYPE HTNG' COLUMN IS  
 QUANTITY OF ITEMS.

SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

RB LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.51.26  
 PAGE 8

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE MTNG	SAFE SHDN	QUAL STATUS
1T48*PHL-69	GAS ANALYZER-SUPPR CHM	344-1	PD	DELPHI IND	SC112	YES	1035-1	HBT	18	F2	N	H
1T48*RC-002	HYD RECOMB UNIT	289-2	PD	ATOMICS INT	SC112	YES	54591-2	HBT	14	F2	N	H
1Z93*LT 001	SUPPRESSION POOL LEVEL	406-2	CD	ROSEHOUNT	SC0	YES	127516	SAT	60+	F2	CS,HS	H
1Z93*PT 003	DRYWELL PRESSURE	406-3	CD	ROSEHOUNT	SC98	YES	108025	HBT	60+	F2	CS,HS	H
1Z93*PT 004	SUPP POOL PRESS	406-3	CD	ROSEHOUNT	SC40	YES	108025	HBT	60+	F2	CS,HS	H
1Z93*TE 110	RV092ACL DISCHARGE-1FT	406-4	CD	ROSEHOUNT	PC28	YES	17607-1	HBT	60+	F4	N	H
1Z93*TE 111	RV092BDE DISCHARGE-1FT	406-4	CD	ROSEHOUNT	PC28	YES	17607-1	HBT	60+	F4	N	H
1Z93*TE 112	RV092KG DISCHARGE-1FT	406-4	CD	ROSEHOUNT	PC28	YES	17607-1	HBT	60+	F4	N	H
1Z93*TE 113	RV092FHJ DISCHARGE-1FT	406-4	CD	ROSEHOUNT	PC28	YES	17607-1	HBT	60+	F4	N	H
1Z93*TE 132	RV092ACL DISCHARGE-2FT	406-4	CD	ROSEHOUNT	PC28	YES	17607-1	HBT	60+	F2	N	H
1Z93*TE 133	RV092BDE DISCHARGE-2FT	406-4	CD	ROSEHOUNT	PC28	YES	17607-1	HBT	60+	F2	N	H
1Z93*TE 134	RV092KG DISCHARGE-2FT	406-4	CD	ROSEHOUNT	PC28	YES	17607-1	HBT	60+	F2	N	H
1Z93*TE 135	RV092FHJ DISCHARGE-2FT	406-4	CD	ROSEHOUNT	PC28	YES	17607-1	HBT	60+	F2	N	H

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  
 Z =PASSIVE ITEM  
 (SORT PAPER NOT  
 REQ'D)

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 19 FEBRUARY 1984

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

SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

M LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.51.02  
 PAGE 1

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL RCPT	QUAL METH	FREQ	TYPE HTNG	SAFF SHTDN	QUAL STATUS
1C61*PT-011	SVC WTR HDR PRESS	406-2	CD	ROSEMOUNT	SH	YES	127516	HBT	60+	F	CS,HS	H
1P41*HQV031	SERV WATER DIS	197-7	PD	PRATT	SH020	YES	D-0034-1	SA/SAT	33+	P4	CS,HS	H
1P41*HQV032	SERV WATER HDR IV	197-8	PD	PRATT	SH033	YES	D-0034-6	SA/SAT	33+	P2	CS,HS	H
1P41*HQV035	T BELOW SUPPLY IV	197-8	PD	PRATT	SH025	YES	D-0034-6	SA/SAT	33+	P2	M	H
1P41*P-003	SERVICE WATER PUMPS	057	PD	BINGHAM-HILL	SH021	YES	ME-816	SA	26	F4	CS,HS	H
1P41*PDT150	SERV WTR DIFF	406-2	CD	ROSEMOUNT	SH	YES	127516	HBT	60+	F4	CS,HS	H
1P41*PHL-FX1	FD AUX RELAY CABINET	125-2	CD	RELIANCE	SH023	YES	99AX400708	SA/SAT	33+	F	CS,HS	H
1P41*S-001	SERVICE WATER STRAINER	081	PD	RP ADAHS CO	SH026	YES	N07503	DA	17	F4	CS,HS	H
1R24*HCC1110	480 V MOTOR CONT CENTE	115-1	ED	SQUARE D CO	SH021	YES	108-1.01L2	HBT	4	F	CS,HS	H
1R24*HCC1120	480 V MOTOR CONT CENTE	115-1	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	CS	H
1R43*RV026	P-201 DISCH	191	CD	LONERGAN	PH024	YES	502644	SA	60	P3	CS	H
1R43*TK-132	FUEL OIL STORAGE	114-3	PD	BUFFALO TANK	YD020	YES	NH(B)-22	SA	14	F3	CS	H
1X41*FN-068	SCRNWELL PUMPHSE SUP	270-6	PD	BUFFALO FORGE	SH034	YES	745-11140	SA	26+	F2	CS,HS	H
1X41*H0D042	FN-68 OUTDOOR AIR	319-4	CD	POHNS	SH025	YES	44057-1	HBT	21	F2	CS,HS	H
1X41*H0D043	FN-68 EXHAUST AIR	319-4	CD	POHNS	SH025	YES	44057-1	HBT	21	F2	CS,HS	H
1X41*H0D044	FN-68 RETURN AIR	319-4	CD	POHNS	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  
 Z =PASSIVE ITEM (SORT PAPER NOT REQ'D)  
 QUALIFICATION MILESTONES  
 A =REEVALUATION COMPLETE  
 B =REQUEST FOR QUAL OR BID ISSUED  
 C =S/W RECOMMENDATION TO LILCO  
 D =QUAL DOC RECEIVED  
 E =HARDWARE MODIFICATION REQ'D  
 F =QUAL DOC APVD & FILED  
 G =SORT PAPER COMPLETE  
 H =COPIES OF DOC TO DISTRIBUTION  
 REVISION 19 FEBRUARY 1984  
 NOTE: NUMBER IN 'TYPE HTNG' COLUMN IS QUANTITY OF ITEMS.

SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

H LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.51.02  
 PAGE 2

MARK NUMBER	EQUIPMENT DESCRIPTION	SPEC NO.	DIV. RESP	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE SAFE	QUAL HTNG SHTDN	QUAL STATUS
1X41*TT008	SCRHL PUMPHSE TEMP	319-4	CD	POWERS	SH025	YES	43012-1	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  
 Z =PASSIVE ITEM  
 (SQRT PAPER NOT  
 REQ'D)

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

REVISION 19 FEBRUARY 1984

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

SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

NSSS LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.54.32  
 PAGE 1

MARK NUMBER	EQUIPMENT DESCRIPTION	NSSS 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	G
1B21*AOV082	ISOLATION VALVE-HS	B21F028	ROCKWELL	SC082	YES	NEDE-24122-2	SA	8	P4	CS,HS	G
1B21*0-003	CONDENSING CHAMBER	B21D002	GE	SC080	YES	DRF-A00794-11	SA	60+	P	HS,CS	G
1B21*0-004	CONDENSING CHAMBERS	B21D004	GE	SC080	YES	DRF-A00794-11	SA	60+	P2	HS,CS	G
1B21*0-005	CONDENSING CHAMBERS	B21D006	GE	SC080	YES	DRF-A00794-11	SA	60+	P16	HS,CS	G
1B21*PDS02A1	DAMPENER	B21N006A				SHIP LOOSE			F		G
1B21*PDS02B1	DAMPENER	B21N007A				SHIP LOOSE			F		G
1B21*PDS02C1	DAMPENER	B21N008A				SHIP LOOSE			F		G
1B21*PDS02D1	DAMPENER	B21N009A				SHIP LOOSE			F		G
1B21*PS 020	PRESSURE SWITCH	B21N015	BARKSDALE	CB037	YES	DRF-A001084215E	SAT	33+	F4	CS,HS	G
1B21*RV 092	RELIEF VALVE	B21F013	TARG ROCK	PC099	YES	VPF-5485-3-1	HBT	60+	P11	CS	G
1B21*TE 003	TEMPERATURE ELEMENT	B21N040	ROSEHOUNT	T084	YES	DRF-A00-01364	SA	100	P	CS,HS	G
1B21*TE 043X	TEMPERATURE ELEMENT	B21N016	PYCO	T059	YES	DRF-A00-108491C	SAT	60+	F4	CS,HS	G
1B21*TE 043Y	TEMPERATURE ELEMENT	B21N010	PYCO	T082	YES	DRF-A00-108491C	SAT	60+	F4	CS,HS	G
1B21*TE 059	TEMPERATURE ELEMENT	B21N014	PYCO	T059	YES	DRF-A00-108491C	SAT	60+	F4	CS,HS	G
1B31*NOV031	RECIRC SUCTION VALVE	B31F023	ANCHOR	SC017	YES	385HA661	SA	41	P2	N	G
1B31*NOV032	RECIRC DISCHARGE VALVE	B31F031	ANCHOR	SC014	YES	VPF2809-40	SA/DA	100	P2	N	G
1B31*P- 001	RECIRC PUMP & MOTOR	B31C001	BJ/GE	PC070	YES	206B33C001-KS-1	SA	60+	P2	N	G
1B31*TE 025	TEMPERATURE ELEMENT	B31N023	ROSEHOUNT	PC065	YES	DRF-A00-01364	SA	100	P2	N	G

CB =CONTROL BLDG	P =PIPE MOUNTED	SBT=SINGLE FREQUENCY	QUALIFICATION MILESTONES	REVISION 19 FEBRUARY 1984
CS =COLD SHUT DOWN	PC =PRIMARY CONT.	BIAXIAL TESTING	A =REEVALUATION COMPLETE	
DA =DYNAMIC ANALYSIS	PL =PEDESTAL	SC =SECONDARY CONT.	B =REQUEST FOR REQUAL OR BID ISSUED	NOTE: NUMBER IN
F =FLOOR MOUNTED	QP =QUALIFIED BY	/ =LOCATED ON CONT.	C =S/H RECOMMENDATION TO LILCO	'TYPE MTNG' COLUMN IS
HS =HOT STANDBY	PIPING ANALYSIS	HALL	D =QUAL DOC RECEIVED	QUANTITY OF ITEMS.
HBT=MULTI-FREQUENCY	RH =RADWASTE	T =MAIN STH. TUNNEL	E =HARDWARE MODIFICATION REQ'D	
BIAXIAL TESTING	SA =STATIC ANALYSIS	N =NEITHER CS OR HS	F =QUAL DOC APVD & FILED	
HST=MULTI-FREQUENCY	SAT=SINGLE FREQUENCY	Z =PASSIVE ITEM	G =SQRT PAPER COMPLETE	
SINGLE AXIAL TESTING	SINGLE AXIAL TESTING	(SQRT PAPER NOT REQ'D)	H =COPIES OF DOC TO DISTRIBUTION	

SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

NSSS LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.54.32  
 PAGE 2

MARK NUMBER	EQUIPMENT DESCRIPTION	NSSS NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE MTNG	SAFETY FUNC	QUAL STATUS
1C11*AOV050	SDV AOV	C11-F180				SHIP LOOSE			P		F
1C11*AOV051	SDV AOV	C11-F181				SHIP LOOSE			P		F
1C11*AOV081	HCU DIAPHRAGH VALVE	C11F010	WHH	SC078	YES		SA		P	CS,HS	F
1C11*AOV082	HCU DIAPHRAGH VALVE	C11F011	WHH	SC040	YES		SA		P	CS,HS	F
1C11*HCU-01	CRD HYDRA CONT UNIT	C11D001	GE	SC078	YES	383HA053	HST	2	137	CS,HS	G
1C11*LS 049	LEVEL SWITCH	C11H013	MAGNETROL	SC078	YES	43235-1	HBT	30+	F2	CS,HS	G
1C11*LS 095	LEVEL SWITCH	C11H013	MAGNETROL	SC078	YES	43235-1	HBT	30+	F6	CS,HS	G
1C11*LT 049	LEVEL XHTR	C11H012	GOULD	SC078	YES	SHIP LOOSE		11	F4		G
1C11*PT 113	PRESS XHTR	C11H052	ROSEMOUNT	SC063	YES	SHIP LOOSE		50	F		G
1C11*SOV044	HCU SOLENOID VALVE	C11F009	ASCO	SC063					P	CS,HS	D
1C11*SOV052	SDV SOLENOID VALVE	C11F182	ASCO						P		D
1C41*EV 010	EXPLOSIVE VALVE	C41F004	CONAX	SC112	YES	VPF3394-36-2	SBT	35+	P2	N	G
1C41*P-024	STDBY LIQ PUMP&HTR	C41C001	UNION PUH	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	G
1C41*PT 002	PRESSURE TRANSMITTER	C41N004	ROSEMOUNT	SC112	YES	DRF-A00-1084101	SAT	50	F	CS,HS	G
1C41*TK-003	SLC STORAGE TANK	C41A001	LANCO	SC113	YES	RA542/C41-22	SA	59	F	N	G
1C41*TK-150	SLC ACCUMULATORS	C41A003	HYDRA CON	SC097	YES	DRF C41-22	SA	N/A	P2	N	G
1C41*TS001A	TEMP SWITCH	C41N003	WEED INST	SC112		DRF-A00-01364	SA	60+	F	CS,HS	G
1C51*TIP-004	TIP VALVE GUIDE T	C51J004	GE	SC073	YES	DRF-A00992-H	SAT	100	F4	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 =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  
 Z =PASSIVE ITEM  
 (SQRT PAPER NOT  
 REQ'D)

QUALIFICATION MILESTONES  
 A =REEVALUATION COMPLETE  
 B =REQUEST FOR REQUL 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 19 FEBRUARY 1984

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

SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

NSSS LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.59.32  
 PAGE 3

MARK NUMBER	EQUIPMENT DESCRIPTION	NSSS NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1C61*FT 001	DIFF PRESS XHTR	C61N001	ROSEHOUNT	SC008	YES	DRF-A00-1084101	SAT	50	F	N	G
1C61*PIL-RSP	REMOTE SHY DH PNL	C61P001	GE	SC063	YES	SAI-029QA80PA-B	HBT	14	F	N	G
1C61*PT 006	PRESS TRANS	C61N006	BAILEY	SC079	YES	DRF-A001084162C	SAT	100	F	N	G
1C71*PS 003	PRESSURE SWITCH	C71N003	BARNSDALE	CB037	YES	DRF-A001084215E	SAT	33+	F4	CS,HS	G
1E11*E-034	RHR HEAT EXCHANGERS	E11B001	PERFEX CP	SC008	YES	DRF E11-1	DA	14	F2	HS,CS	G
1E11*FT 004	DIFF PRESS XHTR	E11N013	ROSEHOUNT	SC078	YES	DRFA00-1084-101	SAT	50	F	CS,HS	G
1E11*FT 006	DIFF PRESS TRANS	E11N007	ROSEHOUNT	SC008	YES	DRFA00-1084-101	SAT	50	F2	CS,HS	G
1E11*LT 002	LEVEL XHTR	E11N008	BARTON	SC024	YES	DRFA00-1084-67E	HBT	100	F2	CS,HS	G
1E11*P-014	RHR PUMPS & MOTORS	E11C002	BJ/GE	SC008	YES	DRF E11-11	DA	10	F4	CS,HS	G
1E11*PS 134	PRESSURE SWITCH	E11N016	BARNSDALE	SC008	YES	DRFA00-1084215E	SAT	33+	F4	CS,HS	G
1E11*PS 135	PRESSURE SWITCH	E11N020	BARNSDALE	SC008	YES	DRFA00-1084215E	SAT	33+	F4	CS,HS	G
1E11*TE 014	TEMP ELEMENT	E11N009	PYCO	SC023	YES	DRFA00-108491C	SAT	60+	F2	CS,HS	G
1E11*TE 015	TEMP ELEMENT	E11N030	PYCO	SC023	YES	DRFA00-108491C	SAT	60+	F2	CS,HS	G
1E21*P-013	CS PUMPS & MOTORS	E21C001	BJ/GE	SC008	YES	DRF E21-53	DA	12	F2	CS	G
1E21*PIS098	PRESS INDIC SWITCH	E21N010	ROBT SHAW	SC008	YES	DRFA00-1084215E	SAT	33+	F2	CS,HS	G
1E21*PS 012	PRESSURE SWITCH	E21N008	BARNSDALE	SC008	YES	DRFA00-184-141	SAT	33+	F2	CS,HS	G
1E21*PS013	PRESSURE SWITCH	E21N009	BARNSDALE	SC008	YES	DRFA00-184-141	SAT	33+	F2	CS,HS	G
1E32*BLO-13	ODDD HSIV LCS BLOWER	E32C002	GE	SC076	YES	VPF3830-14-1	SBT	60+	F2	N	G
1E32*BLO-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  
 HST=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 =TAIN 5TH. TUNNEL  
 N =NEITHER CS OR HS  
 Z =PASSIVE ITEM  
 (SQRT PAPER NOT  
 REQ'D)

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

REVISION 19 FEBRUARY 1984

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





SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

NSSS LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.54.32  
 PAGE 5

MARK NUMBER	EQUIPMENT DESCRIPTION	NSSS NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1E51*TE052	TEMPERATURE ELEMENT	E51N011	PYCO	SC025	YES	DRFA00-1084-91C	SAT	60+	F2	CS,HS	G
1E51*TE053	TEMPERATURE ELEMENT	E51N022	PYCO	SC027	YES	DRFA00-1084-91C	SAT	60+	F2	CS,HS	G
1E51*TE054	TEMPERATURE ELEMENT	E51N023	PYCO	SC063	YES	DRFA00-1084-91C	SAT	60+	F2	CS,HS	G
1E51*TE055	TEMPERATURE ELEMENT	E51N025	PYCO	SC064	YES	DRFA00-1084-91C	SAT	60+	F4	CS,HS	G
1E51*TE056	TEMPERATURE ELEMENT	E51N026	PYCO	SC066	YES	DRFA00-1084-91C	SAT	60+	F4	CS,HS	G
1E51*TI141	THERMOMETER	E51R005	ROBT SHAH	SC008	YES	DRFA00-01364	SA	100	P	CS,HS	G
1E51*TU-005	RCIC TURBINE	E51C002	TERRY	SC008	YES	VPF3622-79(1)-2	SA/HBT	15	F	HS	G
1F11*TO-005	FUEL PREP MACHINE	F11E001	GE	SC176	YES	DRF F0000002-3	DA	N/A	F2	N	G
1F11*TO-008	GEN PURPOSE GRAPPLE	F11E011	GE	SC176	YES	DRF139F11E011L	SA	N/A	F3	N	G
1F13*SL-001	DRYER&SEP SLING	F13E008	CAL PAC	SC176	YES	DRF F13-9	SA	N/A	F	N	G
1F13*TO-016	HEAD STRONGBACK	F13E009	LANCO	SC176	YES	DRF F13-11	SA	N/A	F	N	G
1F14*TO-029	CONT ROD GRAPPLE	F14E002	GE	SC176	YES	DRF139F14E002K	SA	N/A	F	N	G
1F15*CRN-009	REFUEL PLTF ASSY	F15E003	STERN ROG	SC176	YES	DRFF00000022	DA	N/A	F	N	G
1F16*CSK-01	DEF F STRG CONTAIN	F16E009	GE	SC151	YES	139F16E009K1	DA	1	F8	N	G
1F16*RAK-025	POISON CURTAIN	F16E015	BNP	SC151	YES	DRF F16-00009-1	DA	1	F14	N	G
1F16*RAK-09	FUEL RACK(IN VESSL)	F16E006	VOTAH	SC176			DA		F2	N	E
1F16*RAK-10	STRG RACK(CR&DEF F)	F16E004	GE	SC137	YES	DRF F16-0003	DA	13	F3	N	G
1F16*RAK-11	NEW FUEL STRG RACKS	F16E007	GE	SC151	YES	DRF F00-00002	DA	N/A	F17	N	G
1G33*FT012	DIFF PRESS TRANS	G33N041	ROSEHOUT	SC100	YES	DRFA00-1084101K	SAT	50	F	N	G

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

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

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

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

REVISION 19 FEBRUARY 1984

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

SHOREHAM UNIT 1  
JOB NUMBER 1160002  
LILCO DOCKET 50-322

NSSS LIST  
1-SORT  
ACTIVE

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

RUN DATE 02/27/84  
RUN TIME 15.54.32  
PAGE 6

MARK NUMBER	EQUIPMENT DESCRIPTION	NSSS NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1G33*TE020E	TEMPERATURE ELEMENT	G33N042	PYCO	PC97	YES	DRFA00-01364	SA	100	P	N	G
1G33*TE071	TEMPERATURE ELEMENT	G33N016	PYCO	SC136	YES	DRFA00-1084-91C	SAT	60+	F6	N	G
1G33*TIHER	MOTOR DRIVEN TIHER	G33R616		CB063	YES	DRFA00-1084-61			F2		G
1H11*PHL-601	REAC&CORE COOL BB	H11P601	GE	CB063	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11*PHL-602	RNCU & RECIRC BN	H11P602	GE	CB063	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11*PHL-603	REACTOR CONTROL B	H11P603	GE	CB063	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11*PHL-608	PHR RANGE NEUT CA	H11P606	GE	CB063	YES	SAI-029QA80PA-B	HBT	22	F	N	G
1H11*PHL-609	TRIP SYS A RPS VB	H11P609	GE	CB063	YES	SAI-029QA80PA-B	HBT	22	F	HS,CS	G
1H11*PHL-611	TRIP SYS B RPS VB	H11P611	GE	CB063	YES	SAI-029QA80PA-B	HBT	22	F	HS,CS	G
1H11*PHL-612	FH & RECIRC INSTR	H11P612	GE	CB063	YES	SAI-029QA80PA-B	HBT	19	F	N	G
1H11*PHL-613	PROCESS INSTR CAB	H11P613	GE	CB063	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11*PHL-614	MISS TEMP LK DET VB	H11P614	GE	CB063	YES	SAI-029QA80PA-B	HBT	22	F	N	G
1H11*PHL-617	DIV 1 RHR RELAY VB	H11P617	GE	CB044	YES	SAI-029QA80PA-B	HBT	19	F	HS,CS	G
1H11*PHL-618	RHR RELAY VB	H11P618	GE	CB044	YES	SAI-029QA80PA-B	HBT	19	F	HS,CS	G
1H11*PHL-620	HPCI RELAY VERT BD	H11P620	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	N	G
1H11*PHL-621	IC RELAY VERT BD	H11P621	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	HS,CS	G
1H11*PHL-622	INSD ISO V RELAY VB	H11P622	GE	CB044	YES	SAI-029QA80PA-B	HBT	21	F	CS	G
1H11*PHL-623	OUTSD ISO V REL VB	H11P623	GE	CB044	YES	SAI-029QA80PA-B	HBT	21	F	CS	G
1H11*PHL-626	DIV 1 COR SP REL VB	H11P626	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G

REVISION 19 FEBRUARY 1984

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 =RADIASTE  
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  
H =NEITHER CS OR HS  
Z =PASSIVE ITEM  
(SORT PAPER NOT  
REQ'D)

QUALIFICATION MILESTONES  
A =REEVALUATION COMPLETE  
B =REQUEST FOR REQUAL OR BID ISSUED  
C =S/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

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

SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

NSSS LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.54.32  
 PAGE 7

MARK NUMBER	EQUIPMENT DESCRIPTION	NSSS NO.	VENDOR	BLDG ELEV	AVAIL INSP	QUAL REPT	QUAL METH	FREQ	TYPE HTNG	SAFETY FUNC	QUAL STATUS
1H11*PNL-627	DIV 2 COR SP REL VB	H11P627	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G
1H11*PNL-628	AUTO BLOHDMN REL VB	H11P628	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G
1H11*PNL-631	AUTO DEPRESS	H11P631	GE	CB044	YES	SAI-029QA80PA-B	HBT	14	F	CS	G
1H11*PNL-635	DIV 1 RAD MONITOR	H11P635	GE	CB043	YES	SAI-029QA80PA-B	HBT	21	F	N	G
1H11*PNL-636	DIV 2 RAD MONITOR	H11P636	GE	CB043	YES	SAI-029QA80PA-B	HBT	21	F	N	G
1H11*PNL-654	HISIL LISPCAGE	H11P654	GE	CB043	YES	SAI-029QA80PA-B	HBT	19	F	N	G
1H11*PNL-655	HISL LISPCAGE	H11P655	GE	CB043	YES	SAI-029QA80PA-B	HBT	21	F	N	G
1H21*PNL-01	CORE SPRAY RK CH A	H21P001	GE	SC008	YES	SAI-029QA80PA	HBT	11	F	CS	G
1H21*PNL-02	RNCU SYSTEM INST	H21P002	GE	SC151	YES	SAI-029QA80PA	HBT	8	F	N	G
1H21*PNL-04	RX VES L & P RACK	H21P004	GE	SC079	YES	SAI-029QA80PA	HBT	8	F	HS,CS	G
1H21*PNL-05	RX VES L & P RACK	H21P005	GE	SC079	YES	SAI-029QA80PA	HBT	8	F	HS,CS	G
1H21*PNL-06	RECIRC PUMP A RAC	H21P006	GE	SC040	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PNL-09	JET PUMP A	H21P009	GE	SC079	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PNL-10	JET PUMP INST RK	H21P010	GE	SC079	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PNL-14	HPCI INST RACK	H21P014	GE	SC008	YES	SAI-029QA80PA	HBT	8	F	N	G
1H21*PNL-15	HAIN 5TH FLOW RK A	H21P015	GE	SC040	YES	SAI-029QA80PA	HBT	8	F	N	G
1H21*PNL-16	CS/HPCI LK DET I	H21P016	GE	SC008	YES	SAI-029QA80PA	HBT	11	F	N	G
1H21*PNL-17	RCIC INST RACK	H21P017	GE	SC008	YES	SAI-029QA80PA	HBT	8	F	HS	G
1H21*PNL-18	PHR INST RACK CH	H21P018	GE	SC008	YES	SAI-029QA80PA	HBT	8	F	HS,CS	G

CB =CONTROL BLDG	P =PIPE MOUNTED	SBT=SINGLE FREQUENCY	QUALIFICATION MILESTONES	REVISION 19 FEBRUARY 1984
CS =COLD SHUT DOWN	PC =PRIMARY CONT.	BIAXIAL TESTING	A =REEVALUATION COMPLETE	
DA =DYNAMIC ANALYSIS	PL =PEDESTAL	SC =SECONDARY CONT.	B =REQUEST FOR REQUAL OR BID ISSUED	NOTE: NUMBER IN
F =FLOOR MOUNTED	QP =QUALIFIED BY	/ =LOCATED ON CONT.	C =S/W RECOMMENDATION TO LILCO	'TYPE HTNG' COLUMN IS
HS =HOT STANDBY	PIPING ANALYSIS	HALL	D =QUAL DOC RECEIVED	QUANTITY OF ITEMS.
HBT=MULTI-FREQUENCY	RW =RADWASTE	T =MAIN STN. TUNNEL	E =HARDWARE MODIFICATION REQ'D	
BIAXIAL TESTING	SA =STATIC ANALYSIS	N =NEITHER CS OR HS	F =QUAL DOC APVD & FILED	
HST=MULTI-FREQUENCY	SAT=SINGLE FREQUENCY	Z =PASSIVE ITEM	G =SORT PAPER COMPLETE	
SINGLE AXIAL TESTING	SINGLE AXIAL TESTING	(SORT PAPER NOT REQ'D)	H =COPIES OF DOC TO DISTRIBUTION	

SHOREHAM UNIT 1  
 JCB NUMBER 1160002  
 LILCO DOCKET 50-322

NSSS LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.54.32  
 PAGE 8

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

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

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

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

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 19 FEBRUARY 1984

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

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 8 QUAL STATUS	
					HDR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1B21*HOV031	3/1	SR-6060	88V-2	PC	2.4	.8	LIMITORQUE	SHB-00-10	H	H
1B21*HOV032	3/1	SR-6060	88V-2	SC	3.5	1.4	LIMITORQUE	SHB-000-5 *	H	H
1B21*HOV034	3	SR-6060	88V-2	SC	1.4	1.9	LIMITORQUE	SHB-00-7.5	H	H
1B21*HOV035A	20/1	20-1500GL09	88AD-11	SC	2.8	1.1	LIMITORQUE	SHB-1-40	H	H
1B21*HOV035B	20/1	20-1500GL09	88AD-11	SC	3.9	2.2	LIMITORQUE	SHB-1-40	H	H
1B21*HOV061	2/1	SR-6188	253-1	SC	2.0	1.1	LIMITORQUE	SHB-00-10	H	H
1B21*HOV062	2/1	SR-6188	253-1	SC	1.5	1.7	LIMITORQUE	SHB-00-10	H	H
1B21*HOV063	2/1	SR-6188	253-1	SC	2.1	1.3	LIMITORQUE	SHB-00-10	H	H
1B21*HOV064	2/1	SR-6188	253-1	SC	2.0	1.3	LIMITORQUE	SHB-00-10	H	H
1B21*HOV068A	2/1	SR-6188	253-1	SC	1.6	1.0	LIMITORQUE	SHB-000-5	H	H
1B21*HOV068B	2/1	SR-6188	253-1	SC	1.6	1.8	LIMITORQUE	SHB-000-5	H	H
1B21*HOV068C	2/1	SR-6188	253-1	SC	1.9	1.0	LIMITORQUE	SHB-000-5	H	H
1B21*HOV068D	2/1	SR-6188	253-1	SC	1.5	1.2	LIMITORQUE	SHB-000-5	H	H
1B21*HOV083	2/1	SR-6188	253-1	PC	3.0	2.8	LIMITORQUE	SHB-000-5	H	H
1B21*HOV084	2/1	SR-6188	253-1	PC	4.9	2.0	LIMITORQUE	SHB-000-5	H	H
1B21*HOV085	2/1	SR-6188	253-1	PC	4.3	1.9	LIMITORQUE	SHB-000-5	H	H
1B21*50V313A	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1B21*50V313B	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1B21*50V314A	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-

QUALIFICATION MILESTONES

NOTES

REVISION 19 FEBRUARY 1984

- 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

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

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1D21*SOV314B	.75	HR5265603271	310979	SC	1.5	1.3	---	---	H	--
1B31*AOV001	.75	10.3.115	318-1	PC	6.9	3.0	COPE5	D-100-60	H	H
1B31*AOV002	.75	10.3.115	318-1	SC	1.5	1.3	COPE5	D-100-60	H	H
1C41*RV021A	1.5	502644	191	SC	2.2	2.1	---	---	H	--
1C41*RV021B	1.5	502644	191	SC	2.0	1.9	---	---	H	--
1D11*HOV032A	1	SR-6190	253-3	PC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1D11*HOV032B	1	SR-6190	253-3	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1D11*HOV033A	1	SR-6190	253-3	PC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1D11*HOV033B	1	SR-6190	253-3	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1E11*AOV061A	.75	10.3.115	318-5	SC	2.3	.7	COPE5	D-100-60	H	H
1E11*AOV061B	.75	10.3.115	318-5	SC	2.3	.7	COPE5	D-100-60	H	H
1E11*AGV062A	.75	10.3.115	318-5	SC	2.3	.7	COPE5	D-100-60	H	H
1E11*AOV062B	.75	10.3.115	318-5	SC	2.3	.7	COPE5	D-100-60	H	H
1E11*HOV031A	20	E5836-1,2	88AD-7	SC	6.8	1.1	LIMITORQUE	SHB-0-40	H	H
1E11*HOV031B	20	E5836-1,2	88AD-7	SC	4.6	.9	LIMITORQUE	SHB-0-40	H	H
1E11*HOV031C	20	E5836-1,2	88AD-7	SC	7.6	.5	LIMITORQUE	SHB-0-40	H	H
1E11*HOV031D	20	E5836-1,2	88AD-7	SC	4.4	.9	LIMITORQUE	SHB-0-40	H	H
1E11*HOV032A	20	E5836-1,2	88AD-7	SC	5.1	1.8	LIMITORQUE	SHB-0-40	H	H
1E11*HOV032B	20	E5836-1,2	88AD-7	SC	2.8	2.7	LIMITORQUE	SHB-0-40	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 19 FEBRUARY 1984

- 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

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

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1E11*HOV032C	20	E5036-1,2	88AD-7	SC	5.4	6.7	LIMITORQUE	SHB-0-40	H	H
1E11*HOV032D	20	E5036-1,2	88AD-7	SC	2.6	3.9	LIMITORQUE	SHB-0-40	H	H
1E11*HOV033A	16	SR-6266	88V-20	SC	2.9	1.4	LIMITORQUE	SHB-1-60	H	H
1E11*HOV033B	16	SR-6266	88V-20	SC	2.9	2.1	LIMITORQUE	SHB-1-60	H	H
1E11*HOV034A	18	18-300A	88AD-6	SC	2.0	1.7	LIMITORQUE	SHB-3-150	H	H
1E11*HOV034B	18	18-300A	88AD-6	SC	1.9	1.5	LIMITORQUE	SHB-3-150	H	H
1E11*HOV035A	16	SR-6266	88V-20	SC	2.4	1.6	LIMITORQUE	SHB-1-60	H	H
1E11*HOV035B	16	SR-6266	88V-20	SC	3.1	2.3	LIMITORQUE	SHB-1-60	H	H
1E11*HOV036A	24	E5036-19	88AD-10	SC	3.8	3.0	LIMITORQUE	SHB-4-200	H	H
1E11*HOV036B	24	E5036-19	88AD-10	SC	6.6	2.1	LIMITORQUE	SHB-4-200	H	H
1E11*HOV037A	24/1	2422900GT07	88AD-9	SC	5.5	6.6	LIMITORQUE	SB-4-200	H	H
1E11*HOV037B	24/1	2422900GT07	88AD-9	SC	4.2	4.4	LIMITORQUE	SB-4-200	H	H
1E11*HOV038A	10	E5036-20	88AD-2	SC	5.7	1.3	LIMITORQUE	SHB-2-60	H	H
1E11*HOV038B	10	E5036-20	88AD-2	SC	3.5	1.2	LIMITORQUE	SHB-2-60	H	H
1E11*HOV039A	10	SR-6082	88V-16	SC	6.8	2.3	LIMITORQUE	SHB-0-25	H	H
1E11*HOV039B	10	SR-6082	88V-16	SC	4.4	3.6	LIMITORQUE	SHB-0-25	H	H
1E11*HOV040A	16	SR-6266	88V-20	SC	9.7	7.9	LIMITORQUE	SHB-1-60	H	H
1E11*HOV040B	16	SR-6266	88V-20	SC	7.9	3.5	LIMITORQUE	SHB-1-60	H	H
1E11*HOV041A	6	SR-6177	88V-6	SC	2.0	1.4	LIMITORQUE	SHB-00-15	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 19 FEBRUARY 1984

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

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



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
1E11*MOV041B	6	SR-6177	88V-6	SC	8.5	3.1	LIMITORQUE	SMB-00-15	H	H
1E11*MOV042A	16	E5836-4	88AD-5	SC	4.0	5.1	LIMITORQUE	SMB-3-80	H	H
1E11*MOV042B	16	E5836-4	88AD-5	SC	3.1	4.2	LIMITORQUE	SMB-3-80	H	H
1E11*MOV043A	4	SR-6180	88V-4	SC	1.1	.5	LIMITORQUE	SMB-00-15	H	H
1E11*MOV043B	4	SR-6180	88V-4	SC	1.4	.9	LIMITORQUE	SMB-00-15	H	H
1E11*MOV044A	4	SR-6180	88V-4	SC	1.2	.9	LIMITORQUE	SMB-00-15	H	H
1E11*MOV044B	4	SR-6180	88V-4	SC	1.4	1.3	LIMITORQUE	SMB-00-15	H	H
1E11*MOV045A	4	SR-6180	88V-4	SC	1.4	.4	LIMITORQUE	SMB-000-5	H	H
1E11*MOV045B	4	SR-6180	88V-4	SC	1.4	.6	LIMITORQUE	SMB-000-5	H	H
1E11*MOV047	20/1	20900-GT06	88AD-8	PC	6.0	3.2	LIMITORQUE	SB-2-60	H	H
1E11*MOV048	20/1	20900-GT06	88AD-8	SC	3.8	3.0	LIMITORQUE	SB-2-60 *	H	H
1E11*MOV049	10	SR-6260	88V-12	SC	2.5	2.0	LIMITORQUE	SMB-2-80	H	H
1E11*MOV050	20	SR-6425	88V-15	SC	8.6	3.9	LIMITORQUE	SMB-2-60	H	H
1E11*MOV051	4	SR-6180	88V-4	SC	1.1	1.0	LIMITORQUE	SMB-00-7 1/2 *	H	H
1E11*MOV052	4	SR-6180	88V-4	SC	1.6	1.2	LIMITORQUE	SMB-00-10	H	H
1E11*MOV053	4	SR-6068	88V-11	SC	4.8	2.9	LIMITORQUE	SMB-00-10 *	H	H
1E11*MOV054	4/1	SR-6068	88V-11	PC	4.6	1.5	LIMITORQUE	SMB-00-15	H	H
1E11*MOV055A	1	SR-6190	253-3	SC	2.3	.7	LIMITORQUE	SMB-000-2	H	H
1E11*MOV055B	1	SR-6190	253-3	SC	2.3	.7	LIMITORQUE	SMB-000-2	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 19 FEBRUARY 1984

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

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1E11*HOV056A	1	SR-6190	253-3	SC	2.3	.7	LIHITORQUE	SHB-000-2	H	H
1E11*HOV056B	1	SR-6190	253-3	SC	2.3	.7	LIHITORQUE	SHB-000-2	H	H
1E11*HOV057A	1	SR-6190	253-3	SC	2.3	.7	LIHITORQUE	SHB-000-2	H	H
1E11*HOV057B	1	SR-6190	253-3	SC	2.3	.7	LIHITORQUE	SHB-000-2	H	H
1E11*PCV003A	10	10.3.115	318-2	SC	2.6	1.9	COPE5	D-100-160	H	H
1E11*PCV003B	10	10.3.115	318-2	SC	1.1	.6	COPE5	D-100-160	H	H
1E11*PCV007A	4	10.3.115	318-5	SC	1.0	.8	COPE5	D-100-100	H	H
1E11*PCV007B	4	10.3.115	318-5	SC	1.1	.9	COPE5	D-100-100	H	H
1E11*RV151A	1	502644	191	SC	1.5	1.3	---	---	H	-
1E11*RV151B	1	502644	191	SC	1.5	1.3	---	---	H	-
1E11*RV151C	1	502644	191	SC	1.5	1.3	---	---	H	-
1E11*RV151D	1	502644	191	SC	1.5	1.3	---	---	H	-
1E11*RV152A	4	502644	191	SC	4.0	2.3	---	---	H	-
1E11*RV152B	4	502644	191	SC	1.1	.9	---	---	H	-
1E11*RV153A	1	502644	191	SC	1.5	1.3	---	---	H	-
1E11*RV153B	1	502644	191	SC	1.5	1.3	---	---	H	-
1E11*RV154	1	502644	191	SC	1.5	1.3	---	---	H	-
1E11*RV155	2	502644	191	SC	1.5	1.3	---	---	H	-
1E11*RV162A	1	502644	191	SC	1.5	1.3	---	---	H	-

QUALIFICATION MILESTONES

NOTES

REVISION 19 FEBRUARY 1984

- 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

- 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

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1E11*RV162B	1	502644	191	SC	1.5	1.3	---	---	H	-
1E11*RV163	.75	502644	191	SC	1.5	1.3	---	---	H	-
1E11*RV164	.75	502644	191	SC	1.5	1.3	---	---	H	-
1E11*SOV166A	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1E11*SOV166B	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1E11*SOV167A	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1E11*SOV167B	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1E11*SOV168	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1E11*SOV169	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1E21*HOV031A	14	E5836-7	88AD-3	SC	2.4	2.0	LIMITORQUE	SHB-000-5	H	H
1E21*HOV031B	14	E5836-7	88AD-3	SC	2.0	.3	LIMITORQUE	SHB-000-5	H	H
1E21*HOV033A	10/1	SR-6259	88V-13	SC	6.9	1.2	LIMITORQUE	SHB-2-80	H	H
1E21*HOV033B	10/1	SR-6259	88V-13	SC	7.6	2.5	LIMITORQUE	SHB-2-80	H	H
1E21*HOV034A	3	SR-6183	88V-1	SC	1.4	.5	LIMITORQUE	SHB-000-5	H	H
1E21*HOV034B	3	SR-6183	88V-1	SC	3.4	1.4	LIMITORQUE	SHB-000-5	H	H
1E21*HOV035A	10	10-300GL	88AD-1	SC	1.0	2.9	LIMITORQUE	SHB-1-40	H	H
1E21*HOV035B	10	10-300GL	88AD-1	SC	1.0	2.9	LIMITORQUE	SHB-1-40	H	H
1E21*RV092A	.75	502644	191	SC	1.5	1.3	---	---	H	-
1E21*RV092B	.75	502644	191	SC	1.5	1.3	---	---	H	-

QUALIFICATION MILESTONES

NOTES

REVISION 19 FEBRUARY 1984

- 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

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

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
1E21*RV093A	1.5	502644	191	SC	1.5	1.3	---	---	H	-
1E21*RV093B	1.5	502644	191	SC	1.5	1.3	---	---	H	-
1E21*RV096A	.75	502644	191	SC	1.5	1.3	---	---	H	-
1E21*RV096B	.75	502644	191	SC	1.5	1.3	---	---	H	-
1E32*HOV021A	1.5/1	SR-6706	253-4	SC	2.7	1.4	LIMITORQUE	SHC-04-5	H	H
1E32*HOV021B	1.5/1	SR-6706	253-4	SC	3.0	2.1	LIMITORQUE	SHC-04-5	H	H
1E32*HOV021C	1.5/1	SR-6706	253-4	SC	2.7	2.6	LIMITORQUE	SHC-04-5	H	H
1E32*HOV021D	1.5/1	SR-6706	253-4	SC	2.6	1.6	LIMITORQUE	SHC-04-5	H	H
1E32*HOV022A	1.5/2	SR-6706	253-4	SC	2.4	1.6	LIMITORQUE	SHC-04-3	H	H
1E32*HOV022B	1.5/2	SR-6706	253-4	SC	2.1	1.9	LIMITORQUE	SHC-04-3	H	H
1E32*HOV022C	1.5/2	SR-6706	253-4	SC	2.4	3.0	LIMITORQUE	SHC-04-3	H	H
1E32*HOV022D	1.5/2	SR-6706	253-4	SC	2.6	.5	LIMITORQUE	SHC-04-3	H	H
1E32*HOV023A	1.5/2	SR-6706	253-4	SC	2.3	.7	LIMITORQUE	SHC-04-3	H	H
1E32*HOV023B	1.5/2	SR-6706	253-4	SC	2.3	.7	LIMITORQUE	SHC-04-3	H	H
1E32*HOV023C	1.5/2	SR-6706	253-4	SC	2.3	.7	LIMITORQUE	SHC-04-3	H	H
1E32*HOV023D	1.5/2	SR-6706	253-4	SC	2.3	.7	LIMITORQUE	SHC-04-3	H	H
1E32*HOV024	2/2	SR-6188	253-1	SC	5.7	2.6	LIMITORQUE	SHB-000-5	H	H
1E32*HOV025	2/2	SR-6188	253-1	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1E32*HOV026	2/2	SR-6188	253-1	SC	6.2	2.8	LIMITORQUE	SHB-000-5	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 19 FEBRUARY 1984

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

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
1E32wHOV027	2/2	SR-6188	253-1	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1E41wAOV001	1	10.3.115	318-5	SC	2.3	.7	COPEES	D-100-60	H	H
1E41wAOV002	1	10.3.115	318-5	SC	2.3	.7	COPEES	D-100-60	H	H
1E41wAOV003	1	10.3.115	318-5	SC	2.3	.7	COPEES	D-100-60	H	H
1E41wLCV-091	1	10.3.115	318-5	SC	2.3	.7	COPEES	D-100-60	H	H
1E41wLCV095	1	10.3.115	318-5	SC	2.3	.7	COPEES	D-100-60	H	H
1E41wHOV031	16	SR-6266	88V-20	SC	7.8	2.1	LIMITORQUE	SHB-0-25 *	H	H
1E41wHOV032	16	SR-6266	88V-20	SC	7.5	1.3	LIMITORQUE	SHB-0-25 *	H	H
1E41wHOV034	14	SR-6267	88V-18	SC	6.6	1.6	LIMITORQUE	SHB-2-60 *	H	H
1E41wHOV035	14/1	14900-GT05	88AD-4	SC	5.5	2.4	LIMITORQUE	SHB-3-100 *	H	H
1E41wHOV036	4	SR-6068	88V-11	SC	2.4	1.1	LIMITORQUE	SHB-00-10 *	H	H
1E41wHOV037	8	SR-6349	88V-22	SC	1.8	.8	LIMITORQUE	SHB-1-25 *	H	H
1E41wHOV038	10	SR-6262	88V-14	SC	2.8	1.2	LIMITORQUE	SHB-1-40 *	H	H
1E41wHOV039	2/2	SR-6188	253-1	SC	2.3	.7	LIMITORQUE	SHB-00-5 *	H	H
1E41wHOV041	10/1	SR-6259	88V-13	PC	1.7	2.0	LIMITORQUE	SHB-3-80	H	H
1E41wHOV042	10/1	SR-6264	88V-17	SC	2.6	.9	LIMITORQUE	SHB-1-60 *	H	H
1E41wHOV043	10	SR-6262	88V-14	SC	1.5	.5	LIMITORQUE	SHB-1-60 *	H	H
1E41wHOV044	18	SR-6270	88V-21	SC	4.4	4.5	LIMITORQUE	SHB-0-15 *	H	H
1E41wHOV047	1/1	SR-6190	253-3	PC	2.3	2.5	LIMITORQUE	SHB-000-2	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 19 FEBRUARY 1984

- 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

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

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1E41*NOV048	1/1	SR-6190	253-3	SC	1.4	2.7	LIHITORQUE	SHB-000-2*	H	H
1E41*NOV049	2/2	SR-6188	253-1	SC	3.9	1.4	LIHITORQUE	SHB-000-2*	H	H
1E41*PCV142	2/2	2-24451	310-2	SC	2.3	.7	BECK	14-101-ES	H	H
1E41*RV145	.75	502644	191	SC	1.5	1.3	---	---	H	-
1E41*RV146	1.5	502644	191	SC	1.5	1.3	---	---	H	-
1E41*RV147	1.25	502644	191	SC	1.5	1.3	---	---	H	-
1E41*RV149	.75	502644	191	SC	1.5	1.3	---	---	H	-
1E51*ADV081	1	10.3.115	318-5	SC	2.3	.7	COPEES	D-100-60	H	H
1E51*ADV082	1	10.3.115	318-5	SC	2.3	.7	COPEES	D-100-60	H	H
1E51*ADV083	1	10.3.115	318-5	SC	2.3	.7	COPEES	D-100-60	H	H
1E51*LCV091	1	10.3.115	318-5	SC	2.3	.7	COPEES	D-100-60	H	H
1E51*LCV095	1	10.3.115	318-5	SC	2.3	.7	COPEES	D-100-60	H	H
1E51*NOV031	6	SR-6177	88V-6	SC	6.2	1.7	LIHITORQUE	SHB-00-5 *	H	H
1E51*NOV032	6	SR-6177	88V-6	SC	6.5	.6	LIHITORQUE	SHB-00-5 *	H	H
1E51*NOV034	4	SR-6068	88V-11	SC	1.2	1.7	LIHITORQUE	SHB-00-10 *	H	H
1E51*NOV035	6/1	SR-6574	88V-5	SC	2.5	4.7	LIHITORQUE	SHB-00-25 *	H	H
1E51*NOV036	2/2	SR-6188	253-1	SC	.9	.7	LIHITORQUE	SHB-000-5 *	H	H
1E51*NOV037	4	SR-6068	88V-11	SC	1.2	.7	LIHITORQUE	SHB-00-10 *	H	H
1E51*NOV038	2/2	SR-6188	253-1	SC	1.3	.5	LIHITORQUE	SHB-000-5 *	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 19 FEBRUARY 1984

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

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

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-2	PC	2.0	2.7	LIMITORQUE	SHB-00-10	H	H
1E51*HOV042	3/1	SR-6060	88V-2	SC	1.6	1.5	LIMITORQUE	SHB-00-7 1/2 *	H	H
1E51*HOV043	3	SR-6060	88V-2	SC	.7	.3	LIMITORQUE	SHB-00-7 1/2 *	H	H
1E51*HOV045	8	SR-6078	88V-10	SC	4.5	7.1	LIMITORQUE	SHB-000-5 *	H	H
1E51*HOV046	2/2	SR-6188	253-1	SC	2.3	.7	LIMITORQUE	SHB-000-2 *	H	H
1E51*HOV047	1/1	SR-6777	253-3	PC	1.4	7.5	LIMITORQUE	SHB-000-2	H	H
1E51*HOV048	1/1	SR-6190	253-3	SC	1.1	1.9	LIMITORQUE	SHB-000-2 *	H	H
1E51*HOV049	1.5/2	SR-6189	253-2	SC	2.6	.8	LIMITORQUE	SHB-000-2 *	H	H
1E51*PCV142	2/2	2-24451	310-2	SC	1.8	.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-4	SC	4.3	2.7	LIMITORQUE	SHB-000-5	H	H
1G11*HOV247	4	SR-6180	88V-4	SC	3.6	5.9	LIMITORQUE	SHB-000-5	H	H
1G11*HOV248	3	SR-6183	88V-1	SC	1.7	1.3	LIMITORQUE	SHB-000-5	H	H
1G11*HOV249	3	SR-6183	88V-1	SC	2.5	1.1	LIMITORQUE	SHB-000-5	H	H
1G11*HOV639	3	SR-6477	88V-24	SC	.9	.5	LIMITORQUE	SHB-000-5	H	H
1G33*HOV030A	4/1	SR-6068	88V-11	PC	3.6	2.4	LIMITORQUE	SHB-00-15	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 19 FEBRUARY 1984

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

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

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
1G33*HOV030B	4/1	SR-6068	88V-11	PC	7.4	3.3	LIMITORQUE	SHB-00-15	H	H
1G33*HOV031	6/1	SR-6181	88V-8	PC	5.5	2.5	LIMITORQUE	SHB-0-40	H	H
1G33*HOV032	4/1	SR-6068	88V-11	PC	6.5	1.4	LIMITORQUE	SHB-00-10	H	H
1G33*HOV033	6/1	SR-6181	88V-8	PC	8.0	.4	LIMITORQUE	SHB-00-25	H	H
1G33*HOV034	6/1	SR-6181	88V-8	SC	4.6	2.4	LIMITORQUE	SHB-00-15 *	H	H
1G33*HOV035	4	SR-6353	88V-23	SC	1.3	.8	LIMITORQUE	SHB-0-15	H	H
1G33*HOV036	4	SR-6353	88V-23	SC	.9	.5	LIMITORQUE	SHB-0-15	H	H
1G33*HOV037	4	SR-6353	88V-23	SC	.7	.8	LIMITORQUE	SHB-0-15	H	H
1G33*HOV038	4	SR-6068	88V-11	SC	.7	.7	LIMITORQUE	SHB-00-15	H	H
1G33*HOV039	4	SR-6068	88V-11	SC	.6	.6	LIMITORQUE	SHB-00-15	H	H
1G33*HOV040	4	SR-6353	88V-23	SC	1.6	1.0	LIMITORQUE	SHB-0-15	H	H
1G33*HOV041	6/1	SR-6574	88V-3	SC	5.1	3.9	LIMITORQUE	SHB-1-25	H	H
1G33*RV093	.75	502644	191	SC	1.5	1.3	---	---	H	-
1G33*RV095A	.75	502644	191	SC	1.5	1.3	---	---	H	-
1G33*RV095B	.75	502644	191	SC	1.5	1.3	---	---	H	-
1G41*HOV032A	6	1891-1	203	SC	1.3	1.5	LIMITORQUE	SHB-00-10	H	H
1G41*HOV032B	6	1891-1	203	SC	1.1	1.0	LIMITORQUE	SHB-00-10	H	H
1G41*HOV033A	6	SR-6177	88V-6	SC	1.1	1.0	LIMITORQUE	SHB-00-5	H	H
1G41*HOV033B	6	SR-6177	88V-6	SC	1.2	.8	LIMITORQUE	SHB-00-5	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 19 FEBRUARY 1984

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

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



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
1G41*MOV034A	10	SR-6082	08V-16	SC	4.9	1.1	LIHITORQUE	SMB-0-7 1/2	H	H
1G41*MOV034B	10	SR-6082	08V-16	SC	1.8	.5	LIHITORQUE	SMB-0-7 1/2	H	H
1G41*RV019A	1	502644	191	SC	1.5	1.3	---	---	H	-
1G41*RV019B	1	502644	191	SC	1.5	1.3	---	---	H	-
1G41*RV024	1	502644	191	SC	1.5	1.3	---	---	H	-
1G41*RV025	1	502644	191	SC	1.5	1.3	---	---	H	-
1P41*MOV033A	20	D-0034-8	197-1	SC	.7	.6	LIHITORQUE	H2BC/SMB0010	H	H
1P41*MOV033B	20	D-0034-8	197-1	SC	.9	.7	LIHITORQUE	H2BC/SMB0010	H	H
1P41*MOV033C	20	D-0034-5	197-1	SC	.8	.4	LIHITORQUE	H2BC/SMB0005	H	H
1P41*MOV033D	20	D-0034-5	197-1	SC	1.1	.7	LIHITORQUE	H2BC/SMB0005	H	H
1P41*MOV034A	20	D-0034-8	197-1	SC	.8	.7	LIHITORQUE	H2BC/SMB010	H	H
1P41*MOV034B	20	D-0034-8	197-1	SC	.1	.1	LIHITORQUE	H2BC/SMB010	H	H
1P41*MOV037A	16	D-0034-2	197-2	SC	.5	.6	LIHITORQUE	H2BC/SMB005	H	H
1P41*MOV037B	16	D-0034-2	197-2	SC	1.0	.7	LIHITORQUE	H2BC/SMB005	H	H
1P41*MOV039A	1/3	1891-1	203	SC	2.3	.7	LIHITORQUE	SMB-000-2	H	H
1P41*MOV039B	1/3	1891-1	203	SC	2.3	.7	LIHITORQUE	SMB-000-2	H	H
1P41*MOV042A	6	D-0034-9	197-3	SC	1.1	1.8	LIHITORQUE	H0BC/SMB002	H	H
1P41*MOV042B	6	D-0034-9	197-3	SC	1.0	1.0	LIHITORQUE	H0BC/SMB002	H	H
1P41*MOV043	1/3	1891-1	203	SC	2.3	.7	LIHITORQUE	SMB-000-2	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 19 FEBRUARY 1984

- 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

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

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	6 OPER LOAD-G'S		7 OPERATOR		8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1P41*HOV102A	1/3	1891-1	203	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1P41*HOV102B	1/3	1891-1	203	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1P41*HOV129A	10	15438	281	SC	1.0	1.3	LIMITORQUE	H1BC/SHB0002	H	H
1P41*HOV129B	10	15438	281	SC	1.3	1.5	LIMITORQUE	H1BC/SHB0002	H	H
1P41*RV024A	1	502644	191	SC	1.5	1.3	---	---	H	-
1P41*RV024B	1	502644	191	SC	1.5	1.3	---	---	H	-
1P41*RV110A	.75	502644	191	SC	1.5	1.3	---	---	H	-
1P41*RV110B	.75	502644	191	SC	1.5	1.3	---	---	H	-
1P41*RV119	.75	502644	191	SC	1.5	1.3	---	---	H	-
1P41*RV130A	.75	502644	191	SC	1.5	1.3	---	---	H	-
1P41*RV130B	.75	502644	191	SC	1.5	1.3	---	---	H	-
1P42*HOV031A	8	SR-6186	88V-9	SC	1.2	.3	LIMITORQUE	SHB-000-5	H	H
1P42*HOV031B	8	SR-6186	88V-9	SC	1.3	.4	LIMITORQUE	SHB-000-5	H	H
1P42*HOV032A	8	SR-6186	88V-9	SC	1.1	1.5	LIMITORQUE	SHB-000-5	H	H
1P42*HOV032B	8	SR-6186	88V-9	SC	1.0	1.2	LIMITORQUE	SHB-000-5	H	H
1P42*HOV033A	6	SR-6199	88V-7	SC	.6	1.0	LIMITORQUE	SHB-000-5	H	H
1P42*HOV033B	6	SR-6199	88V-7	SC	.7	.9	LIMITORQUE	SHB-000-5	H	H
1P42*HOV034A	6	SR-6199	88V-7	SC	1.1	1.3	LIMITORQUE	SHB-000-5	H	H
1P42*HOV034B	6	SR-6199	88V-7	SC	1.3	1.0	LIMITORQUE	SHB-000-5	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 19 FEBRUARY 1984

- 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

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

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1P42*HOV035	4	SR-6180	88V-4	SC	4.6	3.8	LIMITORQUE	SHB-000-5	H	H
1P42*HOV036	4	SR-6180	88V-4	SC	4.6	2.3	LIMITORQUE	SHB-000-5	H	H
1P42*HOV041A	14	SR-6265	88V-19	SC	3.3	2.3	LIMITORQUE	SHB-0-25	H	H
1P42*HOV041B	14	SR-6265	88V-19	SC	2.4	2.7	LIMITORQUE	SHB-0-25	H	H
1P42*HOV042A	14	SR-6265	88V-19	SC	2.0	2.2	LIMITORQUE	SHB-0-25	H	H
1P42*HOV042B	14	SR-6265	88V-19	SC	2.5	1.9	LIMITORQUE	SHB-0-25	H	H
1P42*HOV043A	8	SR-6186	88V-9	SC	.8	.4	LIMITORQUE	SHB-000-5	H	H
1P42*HOV043B	8	SR-6186	88V-9	SC	2.6	.5	LIMITORQUE	SHB-000-5	H	H
1P42*HOV044A	8	SR-6186	88V-9	SC	1.0	.5	LIMITORQUE	SHB-000-5	H	H
1P42*HOV044B	8	SR-6186	88V-9	SC	2.1	1.0	LIMITORQUE	SHB-000-5	H	H
1P42*HOV047	4	SR-6180	88V-4	SC	3.7	4.2	LIMITORQUE	SHB-000-5	H	H
1P42*HOV048	4	SR-6180	88V-4	SC	4.0	3.1	LIMITORQUE	SHB-000-5	H	H
1P42*HOV147	4	SR-6180	88V-4	PC	4.9	4.5	LIMITORQUE	SHB-000-5	H	H
1P42*HOV148	4	SR-6180	88V-4	PC	4.2	1.0	LIMITORQUE	SHB-000-5	H	H
1P42*HOV231	4	SR-6180	88V-4	SC	1.2	.9	LIMITORQUE	SHB-000-5	H	H
1P42*HOV232	3	SR-6183	88V-1	SC	3.2	9.9	LIMITORQUE	SHB-000-5	H	H
1P42*HOV233	3	SR-6183	88V-1	SC	5.9	7.4	LIMITORQUE	SHB-000-5	H	H
1P42*HOV234	3	SR-6183	88V-1	SC	5.6	8.9	LIMITORQUE	SHB-000-5	H	H
1P42*HOV235	3	SR-6183	88V-1	SC	5.9	7.7	LIMITORQUE	SHB-000-5	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 19 FEBRUARY 1984

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

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

1 HARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		OPERATOR		7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1P42*HOV236	4	SR-6180	88V-4	SC	6.8	3.3	LIHITORQUE	SHB-000-5	H	H
1P42*HOV237	3	SR-6183	88V-1	SC	4.3	2.2	LIHITORQUE	SHB-000-5	H	H
1P42*HOV238	3	SR-6183	88V-1	SC	5.8	2.0	LIHITORQUE	SHB-000-5	H	H
1P42*HOV239	3	SR-6183	88V-1	SC	8.7	4.9	LIHITORQUE	SHB-000-5	H	H
1P42*HOV240	3	SR-6183	88V-1	SC	1.6	1.6	LIHITORQUE	SHB-000-5	H	H
1P42*PCV071	6	10.3.115	310-5	SC	1.0	.6	COPEES	D-100-60	H	H
1P42*RV079A	1	502644	191	SC	1.5	1.3	---	---	H	-
1P42*RV079B	1	502644	191	SC	1.5	1.3	---	---	H	-
1P42*RV080A	1	502644	191	SC	1.5	1.3	---	---	H	-
1P42*RV080B	1	502644	191	SC	1.5	1.3	---	---	H	-
1P42*RV080C	1	502644	191	SC	1.5	1.3	---	---	H	-
1P42*RV080D	1	502644	191	SC	1.5	1.3	---	---	H	-
1P42*RV091A	1	502644	191	PC	6.9	3.0	---	---	H	-
1P42*RV091B	1	502644	191	PC	6.9	3.0	---	---	H	-
1P42*RV291A	.75	502644	191	PC	6.9	3.0	---	---	H	-
1P42*RV291B	.75	502644	191	PC	6.9	3.0	---	---	H	-
1P42*TCV001W	12	CD76-82	423-2	SC	1.1	1.1	FISHER	656-60	H	H
1P42*TCV001Y	10	CD76-82	423-3	SC	.9	2.3	FISHER	656-60	H	H
1P42*TCV001Z	12	CD76-82	423-2	SC	1.9	.4	FISHER	656-60	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 19 FEBRUARY 1984

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 (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

1 MARK NUMBER	2 PIPE SIZE	3 QUAL REPT	4 SPEC NO.	5 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1P42*TCV001Z	10	CD76-82	423-3	SC	2.0	2.1	FISHER	656-60	H	H
1P50*HOV103A	1.5/2	SR-6189	214-1	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50*HOV103B	1.5/2	SR-6189	214-1	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50*HOV104	1	SR-6190	214-3	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1P50*HOV105A	1.5/2	SR-6189	214-1	PC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50*HOV105B	1.5/2	SR-6189	214-1	PC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50*HOV106	1	SR-6190	214-3	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1P50*HOV113A	1	SR-6189	214-1	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50*HOV113B	1	SR-6189	214-1	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50*HOV114A	1	SR-6189	214-1	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1P50*HOV114B	1	SR-6189	214-1	SC	2.3	.7	LIMITORQUE	SHB-000-5	H	H
1T23*HOV031A	.5	SR-6341	214-2	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1T23*HOV031B	.5	SR-6341	214-2	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1T23*RV021A	.75	502644	191	SC	1.5	1.3	---	---	H	-
1T23*RV021B	.75	502644	191	SC	1.5	1.3	---	---	H	-
1T24*AOV001A	4	10.3.151	318-7	SC	6.8	3.6	COPEX	D-100-100	H	H
1T24*AOV001B	4	10.3.151	318-7	SC	2.9	3.7	COPEX	D-100-100	H	H
1T24*AOV004A	4	10.3.151	318-7	SC	1.8	1.1	COPEX	D-100-100	H	H
1T24*AOV004B	4	10.3.151	318-7	SC	3.0	2.0	COPEX	D-100-100	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 19 FEBRUARY 1984

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

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
1T46*AOV035A	72	R-1062-41	111-3	SC	2.7	.6	BETTIS	T-316 SR2-H3	H	H
1T46*AOV035B	72	R-1062-41	111-3	SC	5.2	.6	BETTIS	T-316 SR2-H3	H	H
1T46*AOV037A	72	CD75-35	111-3	SC	1.0	.7	BETTIS	T-316 SR2-H3	H	H
1T46*AOV037B	72	CD75-35	111-3	SC	.8	.4	BETTIS	T-316 SR2-H3	H	H
1T46*AOV038A	18	4G403	172	PC	1.9	1.5	BETTIS	722C-SR-H3	H	H
1T46*AOV038B	18	4G403	172	SC	1.3	1.3	BETTIS	722C-SR-H3	H	H
1T46*AOV038C	18	4G403	172	SC	1.9	1.5	BETTIS	722C-SR-H3	H	H
1T46*AOV038D	18	4G403	172	SC	1.3	1.3	BETTIS	722C-SR-H3	H	H
1T46*AOV039A	18	4G403	172	PC	1.9	1.5	BETTIS	722C-SR-H3	H	H
1T46*AOV039B	18	4G403	172	SC	1.3	1.3	BETTIS	722C-SR-H3	H	H
1T46*AOV039C	18	4G403	172	SC	4.0	1.6	BETTIS	722C-SR-H3	H	H
1T46*AOV039D	18	4G403	172	SC	2.7	1.4	BETTIS	722C-SR-H3	H	H
1T46*AOV078A	6	10.3.145	318-3	PC	2.5	1.5	COPEES	D-100-100	H	H
1T46*AOV078B	6	10.3.145	318-3	SC	1.3	.4	COPEES	D-100-100	H	H
1T46*AOV079A	6	10.3.151	318-4	SC	2.9	1.3	COPEES	D-100-100	H	H
1T46*AOV079B	6	10.3.151	318-4	SC	3.0	1.5	COPEES	D-100-100	H	H
1T46*TCV-022A	4	2-24451	310-2	SC	.5	.3	BECK	14-101-ES	H	H
1T46*TCV-022B	4	2-24451	310-2	SC	.9	1.0	BECK	14-101-ES	H	H
1T46*TCV-023A	4	2-24451	310-2	SC	1.2	.2	BECK	14-101-ES	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 19 FEBRUARY 1984

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

- 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

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			YCKE	OPER
1T46*TCV-023B	4	2-24451	310-2	SC	1.3	.8	BECK	14-101-ES	H	H
1T46*TCV-024A	4	2-24451	310-2	SC	.9	.6	BECK	14-101-ES	H	H
1T46*TCV-024B	4	2-24451	310-2	SC	1.0	.6	BECK	14-101-ES	H	H
1T46*TCV-025A	4	2-24451	310-2	SC	1.2	.7	BECK	14-101-ES	H	H
1T46*TCV-025B	4	2-24451	310-2	SC	.4	.5	BECK	14-101-ES	H	H
1T46*TCV-026A	4	2-24451	310-2	SC	1.1	.6	BECK	14-101-ES	H	H
1T46*TCV-026B	4	2-24451	310-2	SC	1.0	.6	BECK	14-101-ES	H	H
1T46*TCV-028A	2/3	2-24451	310-2	SC	2.3	.7	BECK	14-101-ES	H	H
1T46*TCV-028B	2/3	2-24451	310-2	SC	2.3	.7	BECK	14-101-ES	H	H
1T46*TCV059A	2/3	2-24451A	310-1	SC	1.0	.1	BECK	14-101-ES	H	H
1T46*TCV059B	2/3	2-24451A	310-1	SC	2.3	.7	BECK	14-101-ES	H	H
1T46*TCV060A	2/3	2-24451A	310-1	SC	.7	.7	BECK	14-101-ES	H	H
1T46*TCV060B	2/3	2-24451A	310-1	SC	2.3	.7	BECK	14-101-ES	H	H
1T47*RV037	.75	502644	191	PC	6.9	3.0	---	---	H	-
1T47*RV038	.75	502644	191	PC	6.9	3.0	---	---	H	-
1T48*HOV004	1	SR-6190	253-3	SC	2.3	.7	LIMITORQUE	SHB-000-2	H	H
1T48*HOV031A	6	SR-6177	88V-6	PC	2.9	1.3	LIMITORQUE	SHB-00-5	H	H
1T48*HOV031B	6	SR-6177	88V-6	PC	5.1	1.8	LIMITORQUE	SHB-00-5	H	H
1T48*HOV032A	6	SR-6177	88V-6	PC	6.5	1.8	LIMITORQUE	SHB-00-7 1/2	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 19 FEBRUARY 1984

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

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

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
1T48xHOV032B	6	SR-6177	88V-6	PC	5.3	3.2	LIMITORQUE	SMB-00-7 1/2	H	H
1T48xHOV033A	6	SR-6177	88V-6	SC	4.2	1.5	LIMITORQUE	SMB-00-5	H	H
1T48xHOV033B	6	SR-6177	88V-6	SC	4.9	1.3	LIMITORQUE	SMB-00-5	H	H
1T48xHOV034A	6	SR-6177	88V-6	SC	5.9	1.5	LIMITORQUE	SMB-00-7 1/2	H	H
1T48xHOV034B	6	SR-6177	88V-6	SC	3.7	1.3	LIMITORQUE	SMB-00-7 1/2	H	H
1T48xHOV035A	4	SR-6180	88V-4	SC	4.2	2.8	LIMITORQUE	SMB-000-5	H	H
1T48xHOV035B	4	SR-6180	88V-4	SC	6.4	5.7	LIMITORQUE	SMB-000-5	H	H
1T48xHOV037A	6	SR-6177	88V-6	SC	5.7	4.1	LIMITORQUE	SMB-00-7 1/2	H	H
1T48xHOV037B	6	SR-6177	88V-6	SC	4.4	3.0	LIMITORQUE	SMB-00-7 1/2	H	H
1T48xHOV038A	4	SR-6180	88V-4	SC	4.1	2.0	LIMITORQUE	SMB-000-5	H	H
1T48xHOV038B	4	SR-6180	88V-4	SC	5.0	1.9	LIMITORQUE	SMB-000-5	H	H
1T48xHOV040A	6	SR-6177	88V-6	SC	3.9	1.3	LIMITORQUE	SMB-00-7 1/2	H	H
1T48xHOV040B	6	SR-6177	88V-6	SC	4.0	1.5	LIMITORQUE	SMB-00-7 1/2	H	H
1T48xHOV041	4	SR-6180	88V-4	SC	1.3	.7	LIMITORQUE	SMB-000-5	H	H
1T48xHOV042	4	SR-6180	88V-4	SC	1.0	1.3	LIMITORQUE	SMB-000-5	H	H
1T48xHOV043A	4	SR-6180	88V-4	SC	2.9	2.5	LIMITORQUE	SMB-000-5	H	H
1T48xHOV043B	4	SR-6180	88V-4	SC	5.9	2.0	LIMITORQUE	SMB-000-5	H	H
1T48xHOV044A	4	SR-6180	88V-4	SC	6.0	1.9	LIMITORQUE	SMB-000-5	H	H
1T48xHOV044B	4	SR-6180	88V-4	SC	4.9	1.8	LIMITORQUE	SMB-000-5	H	H

QUALIFICATION MILESTONES

NOTES

REVISION 19 FEBRUARY 1984

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

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



1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1T40*PCV143A	.25	QTR-745	492	SC	1.5	1.3	---	---	H	-
1T40*PCV143B	.25	QTR-745	492	SC	1.5	1.3	---	---	H	-
1T40*PCV143C	.25	QTR-745	492	SC	1.5	1.3	---	---	H	-
1T40*PCV143D	.25	QTR-745	492	SC	1.5	1.3	---	---	H	-
1T40*PCV144A	.25	QTR-745	492	SC	1.5	1.3	---	---	H	-
1T40*PCV144B	.25	QTR-745	492	SC	1.5	1.3	---	---	H	-
1T40*PCV145A	.25	QTR-745	492	SC	1.5	1.3	---	---	H	-
1T40*PCV145B	.25	QTR-745	492	SC	1.5	1.3	---	---	H	-
1T40*PCV145C	.25	QTR-745	492	SC	1.5	1.3	---	---	H	-
1T40*PCV145D	.25	QTR-745	492	SC	1.5	1.3	---	---	H	-
1T40*PCV146A	.25	QTR-745	492	SC	1.5	1.3	---	---	H	-
1T40*PCV146B	.25	QTR-745	492	SC	1.5	1.3	---	---	H	-
1T40*RV017A	3	502644	191	SC	1.9	.7	---	---	H	-
1T40*RV017B	3	502644	191	SC	3.7	3.1	---	---	H	-
1T40*SOV126A	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1T40*SOV126B	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1T40*SOV127A	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1T40*SOV127B	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1T40*SOV128A	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-

QUALIFICATION MILESTONES

NOTES

REVISION 19 FEBRUARY 1984

- 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

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

SHOREHAM UNIT 1  
 JOB NUMBER 1160002  
 LILCO DOCKET 50-322

RDPH LIST  
 1-SORT  
 ACTIVE

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

RUN DATE 02/27/84  
 RUN TIME 15.53.21  
 PAGE 21

1 MARK NUMBER	PIPE SIZE	2 QUAL REPT	3 SPEC NO.	4 LOC.	5 OPER LOAD-G'S		6 OPERATOR		7 8 QUAL STATUS	
					HOR	VER	SUPPLIER	MODEL NO.	YOKE	OPER
1T48*SOV128B	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1T48*SOV129A	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1T48*SOV129B	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1T48*SOV130	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1T48*SOV131	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1T48*SOV136A	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1T48*SOV136B	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1T48*SOV137A	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1T48*SOV137B	.75	HR5265683271	310979	SC	1.5	1.3	---	---	H	-
1293*FCV011A	.25	17759-83N	493	SC	1.5	1.3	---	---	H	-
1293*FCV011B	.25	17759-83N	493	SC	1.5	1.3	---	---	H	-
1293*PCV010A	.25	QTR-745	492	SC	1.5	1.3	---	---	H	-
1293*PCV010B	.25	QTR-745	492	SC	1.5	1.3	---	---	H	-

QUALIFICATION MILESTONES

NOTES

REVISION 19 FEBRUARY 1984

A = REEVALUATION COMPLETE  
 B = REQUEST FOR QUAL OR BID ISSUED  
 C = S/W RECOMMENDATION TO LILCO  
 D = QUAL DOC RECEIVED  
 F = 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