



LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

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

July 9, 1982

SNRC-729

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

Pre Service Inspection (PSI) Program Plan
Shoreham Nuclear Power Station - Unit 1
Docket No. 50-322

Dear Mr. Denton:

Enclosed is a list of ASME Code Class 2 piping welds (Enclosure "A") which will be included, via an upcoming revision, in Shoreham's Pre Service Inspection (PSI) Program Plan. These 175 welds have already been ultrasonically inspected in accordance with our commitment in letter SNRC-604, dated August 20, 1981.

The completed examinations of the 175 welds show that all the welds are acceptable, i.e., no rejectable indications were detected as a result of this inspection. Detailed data sheets of the examination results are available at Shoreham, as always, for review as you deem appropriate.

Six (6) of the welds examined as part of this augmented inspection of Class 2 components did not receive a complete examination. For these six welds, a small portion of the weld was obstructed due to piping geometry (typically proximity of the circumferential weld to a sock-o-let) resulting in a small percentage of the weld being classified as "not inspectable." Due to the small percentage of the weld which could not be inspected and considering the successful completion of construction inspections, we have concluded that this situation will have no impact on safety. Further, our review of the most recently approved Editions and Addenda of the ASME Code Section XI indicates that these welds would not require UT examination for Inservice Inspection. Therefore, although the precise Inservice Inspection Program Plan for Shoreham is not yet in place, we do not anticipate that these six welds will require UT for Inservice Inspection.

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Enclosure "B" is a list of the six welds which did not receive a complete examination along with a reason for the incomplete examination and a definition of the extent of the examination actually completed.

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If you have any questions on this matter, please do not hesitate to contact us at your convenience.

Very truly yours,

W. A. Mullen
for

J. L. Smith

RWG/law
Enclosure

cc: J. Higgins w/enclosure
All Parties w/ "

Enclosure "B"

Incomplete Examinations

1. N11-IC-594-FW2-interference with weld-o-let
 - a. 0° Weld Required Volume Scan = 99% complete
 - b. 0° Base Material Scan = 97% complete
 - c. 45° Axial Scan = 97% complete
 - d. 45° Circ Scan = 99% complete

2. N11-IC-594-FW7-geometry*
 - a. 0° Weld Required Volume Scan = 70.5% complete
 - b. 0° Base Material Scan = 77.2% complete
 - c. 45° Axial Scan = 100% complete
 - d. 45° Circ Scan = 100% complete

*This weld is being further evaluated by a Level III Inspector to determine if additional material can be inspected via a procedure change.

3. E41-IC-183-FW3-interference with weld-o-let
 - a. 0° Weld Required Volume Scan = 99.8% complete
 - b. 0° Base Material Scan = 93.8% complete
 - c. 45° Axial Scan = 93.8% complete
 - d. 45° Circ Scan = 99.8% complete

4. E41-IC-183-FW4-interference with weld-o-let
 - a. 0° Weld Required Volume Scan = 100%
 - b. 0° Base Material Scan = 100%
 - c. 45° Axial Scan = 99.9% complete
 - d. 45° Circ Scan = 100%

5. E11-IC-62-FW6-interference with soc-o-let
 - a. 0° Weld Required Volume Scan = 83.8%
 - b. 0° Base Material Scan = 83.8%
 - c. 45° Axial Scan = 83.8%
 - d. 45° Circ Scan = 83.8%

6. E11-IC62-FW20-interference with soc-o-let
 - a. 0° Weld Required Volume Scan = 87.5%
 - b. 0° Base Material Scan = 87.5%
 - c. 45° Axial Scan = 87.5%
 - d. 45° Circ Scan = 87.5%

ENCLOSURE "A"

CLASS 2 WELDS

PROGRAM PLAN AND SCHEDULE

Shoreham

Item No.	Component Identification	Component Description	Procedure Number	Calibration Block (if applicable)	Code Exam Method
1	N11-NS001-BW16	Valve AOV-082A to 24" Pipe Weld	80A0481	24-080-CS	UT
2	N11-IC-142-FW13	24" Pipe to Ell Weld	80A0481	24-080-CS	UT
3	N11-IC-142-FW6	Ell to 24" Pipe Weld	80A0481	24-080-CS	UT
4	N11-C-7001 A-L	24" Pipe to Balance Header Weld	80A0481	24-080-CS	UT
5	N11-C-7001 A-G	Balance Header to 24" Pipe Weld	80A0481	24-080-CS	UT
6	N11-IC-142-FW11	24" Pipe to MSV I Weld	80A0481	24-080-CS	UT
7	N11-NS002-BW13	Valve AOV-082B to 24" Pipe Weld	80A0481	24-080-CS	UT
8	N11-568A	24" Pipe to Ell Weld	80A0481	24-080-CS	UT
9	N11-IC-143-FW3	Ell to 24" Pipe Weld	80A0481	24-080-CS	UT
10	N11-1836-B	24" Pipe to Ell Weld	80A0481	24-080-CS	UT
11	N11-IC-143-FW7	Ell to 24" Pipe Weld	80A0481	24-080-CS	UT
12	N11-C-7001 A-K	24" Pipe to Balance Header Weld	80A0481	24-080-CS	UT
13	N11-C-7001 A-F	Balance Header to 24" Pipe Weld	80A0481	24-080-CS	UT

Item No.	Component Identification	Component Description	Procedure Number	Calibration Block (if applicable)	Code Exam Method
14	N11-IC-143-FW12	24" to MSV2 Pipe Weld	80A0481	24-080-CS	UT
15	N11-NS003-BW13	Valve AOV-082C to 24" Pipe Weld	80A0481	24-080-CS	UT
16	N11-577A	24" Pipe to Ell Weld	80A0481	24-080-CS	UT
17	N11-IC-144-FW4	Ell to 24" Pipe Weld	80A0481	24-080-CS	UT
18	N11-IC-144-FW6	Ell to 24" Pipe Weld	80A0481	24-080-CS	UT
19	N11-C-7001 A-J	24" Pipe to Balance Header Weld	80A0481	24-080-CS	UT
20	N11-C-7001 A-E	Balance Header to 24" Pipe Weld	80A0481	24-080-CS	UT
21	N11-IC-144-FW11	24" Pipe to MSV3 Weld	80A0481	24-080-CS	UT
22	N11-NS004-BW13	Valve AOV-082D to 24" Pipe Weld	80A0481	24-080-CS	UT
23	N11-IC-554-FW6	Ell to 24" Pipe Weld	80A0481	24-080-CS	UT
24	N11-C-7001 A-H	24" Pipe to Balance Header Weld	80A0481	24-080-CS	UT
25	N11-C-7001 A-D	Balance Header to 24" Pipe Weld	80A0481	24-080-CS	UT
26	N11-IC-554-FW-11	24" Pipe to MSV4 Weld	80A0481	24-080-CS	UT
27	N11-1849-B	24" Pipe to Ell Weld	80A0481	24-080-CS	UT
28	N11-C-7001 A-M	Balance Header to 16" Pipe Weld	80A0481	16-080-CS	UT
29	N11-IC-594-FW1	16" Pipe to Ell Weld	80A0481	16-080-CS	UT

Item No.	Component Identification	Component Description	Procedure Number	Calibration Block (if applicable)	Code Exam Method
30	N11-1853A	E11 to 16" Pipe Weld	80A0481	16-080-CS	UT
31	N11-IC-594-FW2	16" Pipe to 16" x 10" Red. Tee Weld	80A0481	16-080-CS	UT
32	N11-1854B	E11 to 16" Pipe Weld	80A0481	16-080-CS	UT
33	N11-593B	16" Pipe to E11 Weld	80A0481	16-080-CS	UT
34	N11-593A-	E11 to E11 Weld	80A0481	16-080-CS	UT
35	N11-IC-594-FW7	E11 to Valve Chest Weld	80A0481	16-080-CS	UT
36	N11-IC-594-FW5	16" Pipe to E11 Weld	80A0481	16-080-CS	UT
37	N11-592A	E11 to 16" Pipe Weld	80A0481	16-080-CS	UT
38	N11-592B	16" Pipe to E11 Weld	80A0481	16-080-CS	UT
39	N11-1855P	E11 to 10" Pipe Weld	80A0481	10-080-CS	UT
40	N11-1855N	10" Pipe to E11 Weld	80A0481	10-080-CS	UT
41	N11-1855M	10" Pipe to E11 Weld	80A0481	10-080-CS	UT
42	N11-1855L	E11 to E11 Weld	80A0481	10-080-CS	UT
43	N11-1855K	10" Pipe to E11 Weld	80A0481	10-080-CS	UT
44	N11-1855J	10" Pipe to 16" x 10" Red. Tee Weld	80A0481	10-080-CS	UT
45	N11-C-7001 A-N	Balance Header to 16" Pipe Weld	80A0481	16-080-CS	UT
46	N11-IC-595-FW6	16" Pipe to E11 Weld	80A0481	16-080-CS	UT
47	N11-1858A	E11 to 16" Pipe Weld	80A0481	16-080-CS	UT

Item No.	Component Identification	Component Description	Procedure Number	Calibration Block (if applicable)	Code Exam Method
48	N11-1860A	16" Pipe to E11 Weld	80A0481	16-080-CS	UT
49	N11-IC-595 FW3	E11 to 16" Pipe Weld	80A0481	16-080-CS	UT
50	N11-1861A	16" Pipe to E11 Weld	80A0481	16-080-CS	UT
51	N11-IC-595-FW2	E11 to 16" Pipe Weld	80A0481	16-080-CS	UT
52	N11-1862C	16" x 10" Red. Tee Pipe Weld	80A0481	16-080-CS	UT
53	N11-1862D	16" Pipe to E11 Weld	80A0481	16-080-CS	UT
54	N11-1862E	E11 to 16" Pipe Weld	80A0481	16-080-CS	UT
55	N11-IC-594-FW9	10" Pipe to Valve MOV-031B Weld	80A0481	10-080-CS	UT
56	N11-1863A	E11 to 10" Pipe Weld	80A0481	10-080-CS	UT
57	N11-IC-595-FW8	10" Pipe to Valve MOV- 031A Weld	80A0481	10-080-CS	UT
58	E11-IC-39 FW11	Valve MOV-034A to E11 Weld	80A0481	18-040-CS	UT
59	E11-1380B	E11 to 18" Pipe Weld	80A0481	18-040-CS	UT
60	E11-1380A	18" Pipe to E11 Weld	80A0481	18-040-CS	UT
61	E11-IC-39-FW12	E11 to 18" Pipe Weld	80A0481	18-040-CS	UT
62	E11-212B	24" Pipe to E11 Weld	80A0481	24-040-CS	UT
63	E11-212D	24" Pipe to ELL Weld	80A0481	24-040-CS	UT
64	E11-IC-30-FW7	E11 to 24" Pipe Weld	80A0481	24-040-CS	UT
65	E11-214B	24" Pipe to Tee Weld	80A0481	24-040-CS	UT

Item No.	Component Identification	Component Description	Procedure Number	Calibration Block (if applicable)	Code Exam Method
66	E11-IC-32-FW1	Tee to Ell Weld	80A0481	24-040-CS	UT
67	E11-1360A	E11 to 24" Pipe Weld	80A0481	24-040-CS	UT
68	E11-1360B	24" Pipe to E11 Weld	80A0481	24-040-CS	UT
69	E11-1360C	E11 to 24" Pipe Weld	80A0481	24-040-CS	UT
70	E11-1360D	24" Pipe to Tee Weld	80A0481	24-040-CS	UT
71	E11-1360F	24" Pipe to E11 Weld	80A0481	24-040-CS	UT
72	E11-1360E	TEE To 24" Pipe Weld	80A0481	24-080-CS	UT
73	E11-IC-32-FW2	E11 t 24" Pipe Weld	80A0481	24-040-CS	UT
74	E11-1362A	24" Pipe to E11 Weld	80A0481	24-080-CS	UT
75	E11-1362B	E11 to 24" Pipe Weld	80A0481	24-080-CS	UT
76	E11-1362C	24" Pipe to E11 Weld	80A0481	24-080-CS	UT
77	E11-IC-32-FW4	Valve MOV-036A to 24" Pipe Weld	80A0481	24-080-CS	UT
78	E11-1381-C	Tee to 18" x 16" Reducer Weld	80A0481	18-040-CS	UT
79	E11-200A	E11 to 18" Pipe Weld	80A0481	18-040-CS	UT
80	E11-200B	18" Pipe to E11 Weld	80A0481	18-040-CS	UT
81	E11-IC-27-FW2	E11 to 18" Pipe Weld	80A0481	18-040-CS	UT
82	E11-201H	18" x 16" Reducer to 18" x 16" Reducing Tee	80A0481	18-040-CS	UT
83	E11-195F	Tee to 24" Pipe Weld	80A0481	24-040-CS	UT
84	E11-195G	24" Pipe to ELL Weld	80A0481	24-040-CS	UT

<u>Item No.</u>	<u>Component Identification</u>	<u>Component Description</u>	<u>Procedure Number</u>	<u>Calibration Block (if applicable)</u>	<u>Code Exam Method</u>
85	E11-IC-21-FW3	El1 to 24" Pipe Weld	80A0481	24-040-CS	UT
86	E11-197B	24" Pipe to Tee Weld	80A0481	24-040-CS	UT

Item No.	Component Identification	Component Description	Procedure Number	Calibration Block (if applicable)	Code Exam Method
87	E11-197C	Tee to Ell Weld	80A0481	24-040-CS	UT
88	E11-198A	Tee to 24" Pipe Weld	80A0481	24-040-CS	UT
89	E11-198B	24" Pipe to Ell Weld	80A0481	24-040-CS	UT
90	E11-198C	Ell to 24" Pipe Weld	80A0481	24-040-CS	UT
91	E11-199A	Ell to 24" Pipe Weld	80A0481	24-040-CS	UT
92	E11-IC-21-FW6	24" Pipe to Tee Weld	80A0481	24-040-CS	UT
93	E11-1373D	24" Pipe to Ell Weld	80A0481	24-040-CS	UT
94	E11-1373C	Ell to 24" Pipe Weld	80A0481	24-040-CS	UT
95	E11-IC-37-FW1	Tee to Ell Weld	80A0481	24-040-CS	UT
96	E11-1355C	Ell to Ell Weld	80A0481	24-040-CS	UT
97	E11-1355B	Ell to 24" Pipe Weld	80A0481	24-040-CS	UT
98	E11-1355A	24" Pipe to Ell Weld	80A0481	24-040-CS	UT
99	E11-1356B	Ell to 24" Pipe Weld	80A0481	24-040-CS	UT
100	E11-1356C	24" Pipe to Ell Weld	80A0481	24-040-CS	UT
101	E11-IC-37-FW3	24" Pipe to Ell Weld	80A0481	24-040-CS	UT
102	E11-1357B	Ell to 24" Pipe Weld	80A0481	24-040-CS	UT
103	E11-1357C	24" Pipe to Ell Weld	80A0481	24-040-CS	UT
104	E11-1357D	Ell to 24" Pipe Weld	80A0481	24-040-CS	UT
105	E11-IC-37-FW5	Ell to Ell Weld	80A0481	24-040-CS	UT

Item No.	Component Identification	Component Description	Procedure Number	Calibration Block (if applicable)	Code Exam Method
106	E11-1359A	E11 to 24" Pipe Weld	80A0481	24-040-CS	UT
107	E11-1370A	24" Pipe to E11 Weld	80A0481	24-040-CS	UT
108	E11-1372E	24" Pipe to E11 Weld	80A0481	24-040-CS	UT
109	E11-1372D	E11 to 24" Pipe Weld	80A0481	24-040-CS	UT
110	E11-1372C	24" Pipe to E11 Weld	80A0481	24-040-CS	UT
111	E11-1373J	24"X20"Red.to 24" Pipe Weld	80A0481	24-040-CS	UT
112	E11-1C-62-FW6	10"X8"Red.to 10" Pipe Weld	80A0481	10-080-CS	UT
113	E11-1447F	10" Pipe to E11 Weld	80A0481	10-080-CS	UT
114	E11-1447E	E11 to E11 Weld	80A0481	10-080-CS	UT
115	E11-1447C	10" Pipe to E11 Weld	80A0481	10-080-CS	UT
116	E11-1447B	E11 to E11 Weld	80A0481	10-080-CS	UT
117	E11-1447A	E11 to 10" Pipe Weld	80A0481	10-080-CS	UT
118	E11-IC-62-FW5	10" Pipe to Valve IOV-0017A Weld	80A0481	10-080-CS	UT
119	E11-IC-62-FW4	Valve IOV-0017A to 10" Pipe Weld	80A0481	10-080-CS	UT
120	E11-1444C	10" Pipe to E11 Weld	80A0481	10-080-CS	UT

Item No.	Component Identification	Component Description	Procedure Number	Calibration Block (if applicable)	Code Exam Method
121	E11-1444B	E11 to 10" Pipe Weld	80A0481	10-080-CS	UT
122	E11-1444A	10" Pipe to E11 Weld	80A0481	10-080-CS	UT
123	E11-1428D	10" Pipe to E11 Weld	80A0481	10-080-CS	UT
124	E11-1446A	10" E11 to Pipe Weld	80A0481	10-080-CS	UT
125	E11-IC-62 FW20	10" X 8" Red. to 10" Pipe Weld	80A0481	10-080-CS	UT
126	E11-1443B	10" Pipe to E11 Weld	80A0481	10-080-CS	UT
127	E11-IC-62- FW13	10" Pipe to Valve IOV-0017B Weld	80A0481	10-080-CS	UT
128	E11-IC-62- FW12	Valve IOV-0017B to 10" Pipe Weld	80A0481	10-080-CS	UT
129	E11-1442B	10" Pipe to E11 Weld	80A0481	10-080-CS	UT
130	E11-1442A	E11 to 10" Pipe Weld	80A0481	10-080-CS	UT
131	E11-1441F	10" Pipe to E11 Weld	80A0481	10-080-CS	UT
132	E11-1446F	10" Pipe to E11 Weld	80A0481	10-080-CS	UT
133	E11-1441E	10" Pipe to E11 Weld	80A0481	10-080-CS	UT
134	E11-1441D	ELL to 10" Pipe Weld	80A0481	10-080-CS	UT
135	E11-IC-70 FW3	Tee to E11 Weld	80A0481	10-080-CS	UT
136	E11-1428F	E11 to 10" Pipe Weld	80A0481	10-080-CS	UT
137	E11-1428E	10" Pipe to E11 Weld	80A0481	10-080-CS	UT
138	E11-IC-70 FW7	10" Pipe to E11 Weld	80A0481	10-080-CS	UT

Item No.	Component Identification	Component Description	Procedure Number	Calibration Block (if applicable)	Code Exam Method
139	E11-1428B	E11 to 10" Pipe Weld	80A0481	10-080-CS	UT
140	E11-IC- 30-FW8	Tee to 20" Pipe Weld	80A0481	20-040-CS	UT
141	E11-1431A	20" Pipe to E11 Weld	80A0481	20-040-CS	UT
142	E11-1432B	20" Pipe to E11 Weld	80A0481	20-040-CS	UT
143	E11-IC-130-C FW8	E11 to Valve 020V-0020 Weld	80A0481	20-040-CS	UT

Item No.	Component Identification	Component Description	Procedure Number	Calibration Block (if applicable)	Code, Exam Method
144	E41-6398A	Ell to 10" Pipe Weld	80A0481	10-080-CS	UT
145	E41-IC-183-FW8	10" Pipe to Ell Weld	80A0481	10-080-CS	UT
146	E41-6401B	10" Pipe to Ell Weld	80A0481	10-080-CS	UT
147	E41-IC-183-FW14	Ell to 10" Pipe Weld	80A0481	10-080-CS	UT
148	E41-6397D	10" Pipe to Ell Weld	80A0481	10-080-CS	UT
149	E41-IC-183-FW7	Ell to 10" Pipe Weld	80A0481	10-080-CS	UT
150	E41-989L	10" Pipe to Ell Weld	80A0481	10-080-CS	UT
151	E41-989G	Tee to Ell Weld	80A0481	10-080-CS	UT
152	E41-989D	Ell to Ell Weld	80A0481	10-080-CS	UT
153	E41-989K	Ell to 10" Pipe Weld	80A0481	10-080-CS	UT
154	E41-989B	10" Pipe To Ell Weld	80A0481	10-080-CS	UT
155	E41-IC-183-FW3	10" Pipe to Valve MOV-042 Weld	80A0481	10-080-CS	UT
156	E41-989F	Tee to Ell Weld	80A0481	10-080-CS	UT
157	E41-989E	Ell to Ell Weld	80A0481	10-080-CS	UT
158	E41-989H	Ell to Ell Weld	80A0481	10-080-CS	UT
159	E41-IC-183-FW4	10" Pipe to Valve MOV-049 Weld	80A0481	10-080-CS	UT
160	E41-IC-181-Fw3	Valve 14V-0013 to Ell Weld	80A0481	14-100-CS	UT

Item No.	Component Identification	Component Description	Procedure Number	Calibration Block (if applicable)	Code Exam Method
161	E41-981A	Ell to Tee Weld	80A0481	14-100-CS	UT
162	E41-981B	14"x10" Red. Tee to 14" Pipe Weld	80A0481	14-100-CS	UT
163	E41-782A	14" Pipe to Ell Weld	80A0481	14-100-CS	UT
164	E41-IC-181-FW7	14" Pipe to Valve MOV-035 Weld	80A0481	14-100-CS	UT
165	E41-IC-180-FW1	14"x10" Red. Tee to 10" Pipe Weld	80A0481	10-100-CS	UT
166	E41-973B	Ell to 10" Pipe Weld	80A0481	10-100-CS	UT
167	E41-973C	10" Pipe to Ell Weld	80A0481	10-100-CS	UT
168	E41-973D	Ell to 10" Pipe Weld	80A0481	10-100-CS	UT
169	E41-973E	10" Pipe to Bolted Joint BJ-01 Weld	80A0481	10-100-CS	UT
170	E41-974A	Bolted Joint BJ-01 to 10" Pipe Weld	80A0481	10-100-CS	UT
171	E41-974B	10" Pipe to 10"x8" Red. Weld	80A0481	10-100-CS	UT
172	E41-IC-181-FW2	14" Pipe to Valve E41-14V-0013 Weld	80A0481	14-080-CS	UT
173	E41-979-C	Ell to 14" Pipe Weld	80A0481	14-080-CS	UT
174	E41-979-B	14" Pipe to Ell Weld	80A0481	14-080-CS	UT
175	E41-979-A	14"x12" Reducer to 14" Pipe Weld	80A0481	14-080-CS	UT