



UNITED STATES  
ATOMIC ENERGY COMMISSION  
DIVISION OF COMPLIANCE  
REGION I  
970 BROAD STREET  
NEWARK, NEW JERSEY 07102

201 645-3942

NOV

270

J. P. O'Reilly, Chief, Reactor Inspection and  
Enforcement Branch, Division of Compliance, HQ

LONG ISLAND LIGHTING COMPANY, SHOREHAM NO. 1  
Docket No. 50-322

The attached report of the inspection of Long Island Lighting Company's Shoreham Nuclear Power Station No. 1, conducted on November 13, 1970, by Messrs. D. M. Hunnicutt and J. H. Tillou is forwarded for action.

Construction at the site, as of the date of inspection, has consisted of excavation of the site for the containment building to elevation -12 feet using MSL as datum, compaction to elevation -4 feet, placement of a six inch work mat of 2000 psi concrete reinforced with roadway mesh for the containment building, and placement of a poly-vinyl-chloride (PVC) waterproof membrane, 0.040 inches thick, over the concrete work mat. The waterproof membrane installation is approximately 93% complete.

The waterproof membrane seams do not meet the specified strength requirements and LILCO personnel stated that the mat will either be replaced or reinforced at the seams to meet the strength requirements.

It appears that construction has progressed beyond that specifically permitted by 10 CFR 50(b); however, there is one facility that we are aware of, where work proceeded beyond the work presently attained by LILCO prior to issuance of a CP and without benefit of an exemption. In this case, the applicant submitted a letter to DRL informing DRL of the work planned. Request that guidance be provided as to the action to be taken in this particular instance.

*E. M. Howard*  
E. M. Howard

Senior Reactor Inspector

Enclosure:

CO Rpt. No. 322/70-6 by D. M. Hunnicutt  
and J. H. Tillou, dated 11/25/70

04400

*gpd*