

SEP 12 1984

Docket No.: 50-322

Mr. John D. Leonard  
Vice President - Nuclear  
Long Island Lighting Company  
175 East Old Country Road  
Hicksville, New York 11801

Dear Mr. Leonard:

SUBJECT: PROCESS CONTROL PROGRAM FOR THE SHOREHAM NUCLEAR POWER STATION

The staff is continuing its review of the Shoreham Process Control Program (PCP) as described in your submittal dated July 1, 1984 (SNRC-725). In order to complete that review, we request that you modify the PCP as indicated in the enclosure to this letter and resubmit it. If you have any questions, please contact the Shoreham Project Manager, Mr. R. Caruso (301-492-8392).

A. Schwencer, Chief  
Licensing Branch No. 2  
Division of Licensing

Enclosure: As Stated

cc: See next page

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ENCLOSURE

NRC Staff Comments on the  
Shoreham Solid Radioactive Waste Process Control Program  
Dated June 25, 1982

1. Section 3.2, Sampling and Testing Requirement
  - A. Provide a copy of the "Waste Packaging Process Control Form."
  - B. The following comment should be reflected in this section:

Sample solidification test specimens are required to establish and also to verify proper process control mixtures. To verify that the production line solidification process is producing an acceptable product, a solidification test sample should be taken for the evaluation of the solid waste product being produced. The number of samples taken per solidification batch and the batch size should be determined by the licensee and reflected in the appropriate section of the Process Control Program (PCP).
2. The title of Section 3.3, "Sample Solidification Tests," should be changed to "Solidification Process Control Parameters."
3. In Section 3.3, a range should be placed on the allowable waste/cement (w/c) ratio that will produce an acceptable product for the various waste to be solidified.
4. A new section 3.6 should be added that will describe the Process Control Product sampling and evaluation (i.e., the evaluation of solid product sample cartridges representing a specific batch or batches of solid waste product).
5. Sections 4.2, 5.2 and 6.2, entitled "System Testing," should specifically identify the testing procedures that will be performed and the acceptance criteria that will be applied to the dried solid product to verify an acceptable disposal product.
6. Section 8 references:

If not already part of the other procedure references, add the "solidification sample evaluation procedure."
7. The PCP should include copies of all forms associated with the solidification, identification and classification of the solid waste product.

SHOREHAM (1)

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