



Long  
Island  
Power  
Authority

Shoreham Nuclear Power Station  
P.O. Box 628  
North Country Road  
Wading River, N.Y. 11792

DEC 4 1992

LSNRC-2016

U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555

ATTN: Mr. Robert Bernero, Director  
Office of Nuclear Material  
Safety and Safeguards

Request for Approval of  
Decommissioning Plan Change/Clarification  
Liquid Radwaste Processing System  
Shoreham Nuclear Power Station - Unit 1  
Docket No. 50-322

- Ref: (1) USNRC letter dated June 11, 1992 to L.M. Hill from S.W. Brown; subject: Order Approving the Decommissioning Plan and Authorizing Decommissioning of the Shoreham Nuclear Power Station, Unit 1.
- (2) Long Island Power Authority (S. Klimberg) letter LSNRC-1859 dated November 27, 1991 to U.S. Nuclear Regulatory Commission (Document Control Desk); subject: Additional Information in Support of the Decommissioning Plan for Shoreham.

Gentlemen:

In accordance with Condition 4 of the Shoreham Decommissioning Order (Reference 1), Long Island Power Authority (LIPA) hereby requests NRC approval of a proposed change/clarification to the Shoreham Decommissioning Plan. The request was discussed in detail during our November 23, 1992 meeting and addresses two aspects of the decommissioning activities related to the Liquid Radwaste Processing System:

1. a change to the eventual use of the laundry drain subsystem; and
2. a clarification regarding identification of Phase 2 components which will be decommissioned prior to draining of the Spent Fuel Storage Pool.

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In Response #10 of Reference (2), LIPA indicated that the laundry drain subsystem will be decontaminated and prepared for eventual use as an industrial waste collection and processing facility. LIPA has subsequently determined that it would be preferable from a schedule and cost viewpoint to decommission the laundry drain subsystem. Instead, the Regenerant Evaporator Feed Tank Subsystem (REFT), and possibly other selected radwaste components, will be decontaminated, or modified and replaced as necessary, to be utilized as an industrial waste collection and processing system. LIPA believes that this is an acceptable change because it will have no adverse impact on nuclear safety and will not result in environmental impacts different from and exceeding those set forth in our Supplement to the Environmental Report, dated December 1990. It will provide an overall scheduling and cost benefit.

In addition, LIPA would like to clarify that certain Phase 2 components will be decommissioned prior to draining the Spent Fuel Storage Pool. These components are redundant since installed plant equipment can be utilized to hold, recirculate, sample and process liquid radwaste. The components which can be decommissioned are: the Turbine Building Floor Drain Sumps, the Turbine Building Decontamination Area Sump, the Reactor Building Floor Drain Sumps, the Drywell Floor Drain Tank, the Reactor Building Equipment Drain Sumps, the Drywell Equipment Drain Tank, the Floor Drain Collector Tanks, the Discharge Waste Sample Tanks, the Regenerative Liquid and Evaporator Feed Tanks, Recovery Sample Tank "B", Waste Collector Tank "B", Radwaste Demineralizer "B", Radwaste Filter "B", the Radwaste Floor Drain Filter, the 6" diameter floor drain header, and all associated components including piping, valves, pumps, etc. Although not mentioned in LIPA Response 10, Reference (2) all floor drains and equipment drain piping in the Reactor, Radwaste and Turbine Buildings will also be decommissioned.

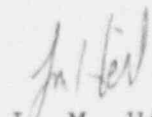
LIPA will not be using any temporary filtration units or demineralizers during the decommissioning of the aforementioned components. Prior to using temporary equipment of this type, LIPA will obtain the approval of the NRC in accordance with Decommissioning Order Condition 3, Reference (2).

Finally, LIPA would like to take this opportunity to provide the Commission with an updated logic diagram for the phased shutdown and decommissioning of the Shoreham Radwaste Facility. This attached diagram updates the diagram originally submitted as an attachment to Response #10 (reference 2), and presupposes the approval of the request contained herein.

It is LIPA's conclusion that the proposed change and clarification are within the bounds of the NRC Staff's Safety Evaluation Report (SER) and Environmental Assessment (EA) for the Shoreham Decommissioning Project. LIPA respectfully requests that the NRC review and approve the proposed change and clarification.

Should you have any questions or require additional information, please do not hesitate to contact my office.

Very truly yours,



L. M. Hill  
Resident Manager

MP/ab  
Attachment

cc: L. Bell  
T. T. Martin  
R. Nimitz  
L. Pittiglio

ATTACHMENT 1  
 LOGIC DIAGRAM FOR THE PHASED SHUTDOWN AND DECOMMISSIONING  
 OF THE SHOREHAM RADWASTE FACILITY

