


Jersey Central Power & Light Company

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MEMBER OF THE
General  Public Utilities Corporation
SYSTEM

September 9, 1975

Mr. George Lear
Operating Reactors Branch #3
Directorate of Licensing
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Lear:

SUBJECT: OYSTER CREEK NUCLEAR GENERATING STATION
DOCKET NUMBER 50-219
RADWASTE MODIFICATION SUBMITTAL OF
AUGMENTED OFFGAS SYSTEM FINAL DESCRIPTION

Our letter of March 6, 1975, indicated that you would receive a final description of the Oyster Creek Augmented Offgas System (AOG) in August of this year. This letter transmits forty copies of a document entitled "Oyster Creek Radwaste Modification - Conformance to 10 CFR 50 Appendix I," for your information.

The design of the AOG system has been reviewed by our Plant Operations and General Office Review Boards and they have concluded that it does not contain any unreviewed safety questions as defined in 10 CFR 50.59. The AOG system is a self-contained expansion to the Oyster Creek Station which makes only minimal demands on the existing plant facilities for condensate water, electrical power, service water and instrument air. Failure of the AOG system or its interface support systems would not affect the ability of the plant to safely shut down, or to mitigate the consequences of a design basis accident; nor, would it result in uncontrolled releases of radioactivity in excess of 10 CFR 20 limits.

Our respective Staffs' have discussed, and resolved, the seismic and Quality Group classifications to be applied in the design and construction of the AOG system. We have also agreed to impose limitations on system design and operation in order to ensure that complete failure of the AOG system will not result in a site boundary dose in excess of 5 rem. We continue to believe, however, that the assumptions used by NRC in calculations of this worst case site boundary dose are overly conservative. Conservative site boundary dose calculations performed by our staff show the dose to be less than .5 rem.


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The dose calculations which have been performed and which are presented in the report demonstrate that the AOG system allows the Oyster Creek facility to be well below the dose limits of Appendix I. We will perform realistic dose calculations once firm guidance is available from the Regulatory Staff consistent with the final version of Appendix I. These numbers will be used to perform a cost benefit analysis of the effluent treatment at our facility and will be filed as Appendix C to this report.

Regarding Section 17 of this submittal, please note that the Quality Assurance interface between Jersey Central Power & Light Company and GPU Service Corporation is defined in the JCP&L Operational QA Plan (see FDSAR Amendment #71, Revision 2). That interface is not specifically addressed in the Radwaste Modification submittal.

It is still our intention to file a final description of the Liquid/Solid system in February 1976 promised in our March 6, 1975 letter.

Very truly yours,


Ivan R. Finfrock, Jr.
Vice President

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Enclosures

