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Jersey Central Power & Light Company

MADISON AVENUE AT PUNCH BOWL ROAD • MORRISTOWN, N. J. 07960 • 201-539-6111

MEMBER OF THE General Public Utilities Corporation SYSTEM

October 23, 1974

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Mr. Edson G. Case
Acting Director of Licensing
Directorate of Licensing
Office of Regulation
United States Atomic Energy Commission
Washington, D.C. 20545

Dear Mr. Case:

Subject: Oyster Creek Nuclear Generating Station
Docket No. 50-219
ECCS Evaluation

Your letter dated August 5, 1974 transmitted your "Determination of Request for Extension of Time for Submittal of Evaluations Required by Acceptance Criteria for Emergency Core Cooling Systems", in which the Director of Regulation has granted an extension of time for compliance with the requirements of 10 CFR 50.46(a)(2)(ii) from August 5, 1974 until December 11, 1974 with five provisions. Our submittal dated August 22, 1974 was in compliance with the first three provisions. We will also meet the fifth provision and propose to satisfy the intent of the fourth provision as described below. The fourth provision requires that we submit copies of the final ECCS analyses by the General Electric Company (GE) and Exxon Nuclear Company (Exxon) immediately upon receipt of these analyses, but no later than September 30, 1974 for GE and October 30, 1974 for Exxon. These dates were based on information which we supplied in our June 20, 1974 extension request.

As indicated in Exhibit 1 of our June 20, 1974 extension request, GE was of the opinion that the "RELAP-4 model is the most appropriate one to use to evaluate the hypothesized Oyster Creek LOCA". It was further indicated that the LOCA results using this blowdown model would be available from GE on September 30, 1974, as required in the Commission Determination. In the interim, GE has found that an acceptable BWR blowdown model for Oyster Creek using RELAP-4 was unexpectedly difficult to attain. Also during this period, GE has determined that their blowdown model, developed for jet pump plants, is also applicable in a conservative manner to non-jet pump plants, and therefore, are not intending to support a second Appendix K model based in part on RELAP-4. GE is now recommending the use of the GE blowdown model, as documented in NEDO-20566, as the appropriate Appendix K blowdown model for the Oyster Creek Station.

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