GPU Nuclear

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January 8, 1991
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U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Gentlemen:

Subject: Three Mile Island Nuclear Station Unit 1 (TMI-1)
Three Mile Island Nuclear Station Unit 2 (TMI-2)
Oyster Creek Nuclear Generating Station (OC)
DPR-50/Docket 50-289 (TMI-1)
DPR-73/Docket 50-320 (TMI-2)
DPR-16/Docket 50-219 (OC)
Revised Corporate Emergency Plan - Revision 4

Enclosed is one copy of the GPU Nuclear Corporation Emergency Plan, Revision 4. This plan supersedes the GPU Nuclear Corporation Emergency Plan, Revision 3. Changes are indicated by revision bars in the right margin and are contained on pages 116, 118 and 121. Private and proprietary information that should be withheld from the public disclosure has been bracketed in Sections 7.4.1.18(A) and (b) of the Plan.

Revision 4 of the GPU Nuclear Corporation Emergency Plan is scheduled to become effective January 21, 1991. GPU Nuclear has determined that the changes in this revision do not decrease the effectiveness of the Plan and continue to meet the standards of 10 CFR 50.47(b) and 10 CFR 50.54(q).

Attachment 1 summarizes the two changes in this revision.

Sincerely,

F. B. Fiedler
Vice President and
Director
Nuclear Assurance

Attachment

PBF/DVH/mkk
cc's on next page

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NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

January 17, 1991

50-219/289/320 Oyster Creek

MEMORANDUM FOR: Chief, Document Control Branch, IRM

FROM: Director, Division of Freedom of Information and Publications Services, ADM

SUBJECT: REVIEW OF UTILITY EMERGENCY PLAN DOCUMENTATION

The Division of Freedom of Information and Publications Services has reviewed the attached document and has determined that it may now be made publicly available.

Donnie H. Grimsley

Donnie H. Grimsley, Director
Division of Freedom of Information
and Publications Services
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FIEDLER,P.B. General Public Utilities Corp. - GPU Service Corp.
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SUBJECT: Forwards Central Files version of Rev 4 to, "GPU Nuclear Corporation Emergency Plan for TMI & Oyster Creek Nuclear Stations." Withheld.

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cc: Administrator, NRC Region I
NRC Resident Inspector, OCNGS
OC Project Manager

TMI-1 Project Manager
Senior NRC Resident Inspector, TMI-1
Chief, Emergency Preparedness Section, NRC Region I
Emergency Preparedness Specialist, NRC Region I

TMI-2 Project Manager, PDNP Directorate
Project Manager, TMI

ATTACHMENT 1

Change 1 - Reuter-Stokes System

GPU Nuclear agreed to operate the Reuter-Stokes through the completion of shipping of TMI-2 core material. With the completion of this task in April 1990, the commitment to operate the system was satisfied.

An evaluation was conducted to determine whether operation of the system should continue beyond defueling. In the mutual best interests of the public and GPU Nuclear, it was decided that the system would continue to operate. However, to assure adequate performance of the aging system, an upgrade was proposed which would include new electronics to improve reliability and data recovery. Therefore, the current low level detectors with a range of 0 - 100 mR/hr will continue to be utilized while the high level detectors (100 mR/hr to 10 R/hr) will be retired.

The primary method of measuring radioactive releases during emergencies continues to be the extensive inplant effluent monitoring system. As discussed in the Emergency Plan, the offsite data collected by the mobile field monitoring teams are used to corroborate dose projections generated by the RAC Model (source term computer program). The collection and analysis of TLDs and environmental samples from the comprehensive environmental monitoring program provides additional means for offsite radiological assessment. None of these assessment tools are being altered.

In an emergency, the Reuter-Stokes System would supplement the data gathered by the other methods. However, the primary function of the system is to alert responsible parties upon detection of radiation above preset levels. This function is unchanged by the elimination of the high level detectors. As previously discussed, the system will continue to utilize the dependable low level detectors which are capable of measuring up to 100 mR/hr (i. e., approximately 10,000 times the normal background exposure rate.)

Because the primary means of measuring radiation during emergencies, onsite and offsite, is not being altered and the Reuter-Stokes System will still perform its primary function of early warning without the high level detectors, the attached change, while modifying the system, does not reduce the effectiveness of the Emergency Plan. Furthermore, the attached change would not compromise the standards of 10 CFR 50.47(b) or 10 CFR 50 Appendix E.

Change 2 - Meteorological Data

Presently, there are many different indirect sources of National Weather Service data. Meteorological consultants, weather data collection firms such as WSI or Accu-Weather, and our own GPU Nuclear data collection system all provide access to the National Weather Service's (NWS) hourly observations of wind speed, temperature and wind direction in the vicinity of the TMI and Oyster Creek sites. The attached change permits the user to obtain NWS backup data from any of these sources rather than exclusively from Parsippany.

The attached change also deletes the references to the exact location where meteorological data will be stored. Data could be stored at Parsippany, TMI or Oyster Creek with the use of a personal computer with sufficient memory; at Reading, Pennsylvania on the Corporations's mainframe computer or at a meteorological consultant firm such as DGI.

Since the attached does not reduce the commitmonts outlined in the Emergency Plan, this changes does not reduce the effectiveness of the Emergency Plan. Furthermore, the attached change does not compromise the standards of 10 CFR 50.47(b) or 10 CFR Appendix E.