

August 30, 1988

Docket No. 50-320

Mr. F. R. Standerfer
Vice President/Director, TMI-2
GPU Nuclear Corporation
P. O. Box 480
Middletown, Pennsylvania 17057

Dear Mr. Standerfer:

SUBJECT: RECOVERY OPERATIONS PLAN CHANGE REQUEST NO. 43
(TAC NO. 67566)

RE: Letter from F. R. Standerfer, 4410-88-L-0017/0348P to NRC,
dated March 2, 1988, re: Recovery Operations Plan Change
Request No. 43

The referenced letter proposed changes to table 4.3.3 of the Recovery Operations Plan (ROP). These changes would change the Waste Handling and Packing Facility Vent Monitor channel calibration frequency from semi-annually to once per 18 months and the channel functional test from weekly to monthly. These changes reflect the installation of improved monitoring instrumentation.

Based on our enclosed Safety Evaluation, we have concluded that the proposed change is justified and will not adversely affect the health and safety of the public. This change does not constitute an unreviewed safety question, nor does it involve a significant hazard. We, therefore, approve your request for modification of ROP table 4.3.3. The revised ROP pages are enclosed. Our approval of your ROP Change Request No. 43 is designated as change approval 40. These changes are effective the date of the installation of the new monitoring instrumentation.

Sincerely,

original signed by

John F. Stolz, Director
Project Directorate I-4
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

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P PNU

Enclosures:
As stated

cc w/enclosure:
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JFO

Mr. F. R. Standerfer
GPU Nuclear Corporation

Three Mile Island Nuclear Station
Unit No. 2

cc:

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Mr. F. R. Standerfer
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Three Mile Island Nuclear Station
Unit No. 2

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATING TO FACILITY OPERATING LICENSE NO. DPR-73

GPU NUCLEAR CORPORATION

THREE MILE ISLAND NUCLEAR STATION, UNIT NO. 2

DOCKET NO. 50-320

INTRODUCTION

The Waste Handling and Packaging Facility (WHPF) is a building which houses equipment to process and package dry active waste (DAW) and contaminated tools and equipment. The WHPF is limited to containing not more than 15 curies of radioactivity at any one time. The WHPF ventilation system maintains the building at a negative pressure with respect to the environment, provides for air flow from low contamination areas to higher contamination areas, and provides a filtered, monitored, release point. The WHPF monitor samples and analyzes the effluent air downstream of the filter bank.

EVALUATION

The AMS-3 current monitor installed in the WHPF is a fixed filter beta, gamma monitor. While designed as a local area monitor, it functioned adequately as an effluent monitor in this particular application. The licensee has proposed replacing the monitor with a particulate, iodine, noble gas (PING) 2A monitor and to revise the surveillance intervals to be consistent with other PING monitors.

The replacement monitor is better suited to this application and should be able to function properly for longer intervals between functional tests and calibrations. The NRC staff reviewed maintenance and calibration data for similar monitors installed at other locations in the facility. They remained within specification at the end of their surveillance interval without intervening maintenance.

The proposed change will not affect monitoring requirements, including equipment operability and remedial action statements. Sample frequency and analysis requirements will also remain the same. Effluent release rates to the environment will not be affected.

CONCLUSION

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Based on the above evaluation, the proposed change is acceptable. It does not reduce safety margins or result in increased effluents to the environment. The impact of this proposed activity falls within the scope of activities previously considered in the programmatic environmental impact statement.

Dated: August 30, 1988

Principal Contributor: L. Thonus

ENCLOSURE

DOCKET NO. 50-320

Replace the following pages of the TMI-2 Recovery Operations Plan with the enclosed pages.

4.3-5

4.3-7

TABLE 4.3-3 (Cont'd)

RADIATION MONITORING INSTRUMENTATION SURVEILLANCE REQUIREMENTS

FUNCTIONAL UNIT	CHANNEL CHECK	CHANNEL CALIBRATION	CHANNEL FUNCTIONAL TEST	MINIMUM CHANNELS OPERABLE	APPLICABILITY	ACTION
5. FUEL TRANSFER CANAL						
a. Criticality Monitor	D	R	M	1	Note 11	Note 12
6. FUEL POOL "A"						
a. Criticality Monitor	D	R	M	1	Note 11	Note 12
7. FUEL HANDLING BUILDING TRUCK BAY						
a. Criticality Monitor	D	R	M	1	Note 11	Note 12
8. WASTE HANDLING AND PACKAGING FACILITY						
a. Exhaust Monitor	D	R	M	1	Note 1	Note 13
9. REACTOR BUILDING						
a. End Fitting Storage Area Criticality Monitor	D	R	M	1	Note 14	Note 15
(See following pages for Notes.)						

TABLE 4.3-3 (Cont'd)

RADIATION MONITORING INSTRUMENTATION SURVEILLANCE REQUIREMENTS

NOTES:

11. During either of the following operations:
 - a. Handling of canisters containing core material.*
 - b. Handling of any heavy load over canisters containing core materials.
12. With less than one channel operable, terminate the following operations:
 - a. Handling of canisters containing core material.*
 - b. Handling of any heavy load over canisters containing core material.
13. With less than one channel operable, effluents releases via the affected pathway may continue for up to thirty (30) days provided that samples are continuously collected with auxiliary sampling equipment within the WHPF. These auxiliary filter samples will be changed daily and a gamma scan performed within 24-hours. After completion of the gamma scan, an analysis for gross alpha, gross beta, and Sr/Y-90 activities will be completed within 96 hours.
14. During periods when personnel are in the containment and end fittings are being transferred to or stored in their designated location outside the Reactor Vessel.
15. With less than one channel operable, terminate the following operations:
 - a. Handling of end fitting storage containers outside the Reactor Vessel.**
 - b. Handling of any heavy load over the end fitting storage container area.

*This shall not prohibit placing a canister in transit in a safe storage location.

**This shall not prohibit placing an end fitting storage container in transit in a safe storage location.