



GPU Nuclear Corporation
Post Office Box 480
Route 441 South
Middletown, Pennsylvania 17057-0191
717 944-7621
TELEX 84-2386
Writer's Direct Dial Number:
(717) 948-8461

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TMI Program Office
Attn: Dr. B. J. Snyder
Program Director
US Nuclear Regulatory Commission
Washington, DC 20555

Dear Dr. Snyder:

Three Mile Island Nuclear Station, Unit 2 (TMI-2)
Operating License No. DPR-73
Docket No. 50-320

Auxiliary and Fuel Handling Building Decontamination Schedule

In accordance with your letter dated March 7, 1984, the following is the second quarterly status of the Auxiliary and Fuel Handling Building (AFHB) Decontamination Schedule. In the last update (Reference GPU Nuclear Letter 4410-84-L-0059 dated March 30, 1984), the term "complete" was used to indicate the decontamination status of several cubicles in the AFHB. In actuality, "complete" inferred that the cubicles were accessible for performance of relevant procedures. This quarter's update describes the progress in all the AFHB cubicles listed in GPU Nuclear's schedule for 1984. Additionally, as requested by your referenced letter, an updated listing of the Surveillance Procedures corresponding to the AFHB areas undergoing decontamination is provided.

-- "B" and "C" Reactor Coolant Bleed Tank Room

This area is accessible for performance of the applicable Operating Procedures. Hands-on decontamination has been performed in some areas of the cubicle. Other areas may require additional gross decontamination flushing and scabbling of floors.

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-- Neutralizing Tank Room

This area is accessible for performance of the applicable Technical Specification Surveillance, 4331-R3, "Fire Barrier Penetration Fire Seal Inspection". Hands-on decontamination is being performed as resources are available..

-- Make-Up Filter Cubicle

Radiological dose rates in some areas of this cubicle are still high, i.e., 2-4 R/hr. System flushing is under evaluation. ALARA exemption has been applied for Technical Specification Surveillance 4331-R3 due to the inaccessibility of three (3) of the five (5) silicon seals located in the cubicle. However, Technical Specification Surveillance 4331-A1, "Fire Barrier Penetration Fire Seal Inspection", is being performed since inspection of a Firewall-50 seal is able to be performed from outside the cubicle.

-- Miscellaneous Waste Hold-up Tank Room

This area is accessible for performance of the associated Operating Procedures. A few hot spots remain with scabbling to be performed where applicable.

-- Decay Heat Vaults

The sumps have been pumped. Technical Specification Surveillance 4303-M25, "Decay Heat Closed Cooling Water Pump and Valve Test", continues to be performed on the "A" and "B" Loops. Additionally, Technical Specification Surveillances 4302-M2, "Decay Heat Pump Operational Test", and 4303-M4, "Boron Injection Valve Lineup Verification", were initially performed on the "A" Loop on April 27, 1984, and April 5, 1984, respectively. Efforts to restore the "B" Loop to OPERABLE status are in progress. The "B" Loop has been drained and refilled and gross decontamination has been performed. Hands-on decontamination is being performed, as required. Removal of the shielding over the vaults is anticipated to be performed during the third quarter of 1984.

-- Building Spray Vaults

The "A" Vault is currently accessible. The "B" Vault is being evaluated to determine the appropriate methodology for further decontamination.

-- Drain and Refill Decay Heat System

Drain and refill was not necessary for the "A" Loop. The "B" Loop has been drained and refilled and gross decontamination has been performed. Hands-on decontamination is being performed, as required.

-- Drain and Refill Reactor Building Spray System

G?U Nuclear has determined that flushing of the Building Spray System is not required at this time.

-- Seal Return Cooler Room

Make-Up Filter MU-F-3 is located in this cubicle and is emitting high radiation levels, i.e., up to 3 R/hr. Robotics are being considered for filter removal. Additional shielding may be required. Waste Management planning for filter disposition is in progress. The feasibility of conducting Technical Specification Surveillances 4331-R3 and 4331-A1 will be evaluated prior to the next scheduled performance period.

-- Make-up and Purification Pump Rooms

Gross decontamination is presently in progress. The area is accessible for the performance of Technical Specification Surveillances 4331-R3 and 4331-A1.

-- Make-up Pump Suction and Discharge Alley (231')

This cubicle is scheduled for decontamination during the third quarter of 1984.

-- Auxiliary Building Sump Cubicle

This cubicle is scheduled for decontamination during the third quarter of 1984. The sump and tank have been sampled and the room is presently being characterized. The tank will be drained to the sump and flushed prior to the unavailability of SDS processing due to IIF activity.

-- Reclaimed Boric Acid Tank and Pump Rooms

This cubicle is accessible for performance of the associated Operating Procedures. Hands-on decontamination has been completed in the Tank Room and the Pump Room is ready to be painted.

-- 305' Elevation Make-up Valve Alley

This cubicle is scheduled for decontamination during the fourth quarter of 1984.

-- Seal Injection Cubicle

This cubicle is scheduled for decontamination during the fourth quarter of 1984. ALARA exemption has been applied for the performance of Technical Specification Surveillance 4301-M8, "Containment Integrity Verification".

-- Fuel Handling Building Annulus

This cubicle is scheduled for decontamination during the fourth quarter of 1984. ALARA exemption is being taken for the following

Technical Specification Surveillances:

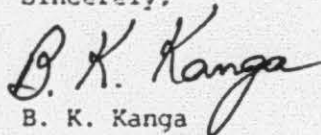
4301-M8 Containment Integrity Verification
4301-M3 Seismic Instrumentation Check
4303-SA1 Seismic Instrumentation Functional Test

For your information, the following is the basic sequence logic for decontaminating cubicles in the Auxiliary and Fuel Handling Building:

Gross decontamination, evaluation, and removal of hot spots
System flush, scabbling, etc.
Hands-on decontamination
Painting (as required)

If you have any questions concerning this information, please call Mr. J. J. Byrne of my staff.

Sincerely,



B. K. Kanga
Director, TMI-2

BKK/RDW/jep

cc: Acting Deputy Program Director - TMI Program Office, Mr. P. J. Grant