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April 14, 1986

TMI-2 Cleanup Project Directorate
Attn: Dr. W. D. Travers
Director
US Nuclear Regulatory Commission
c/o Three Mile Island Nuclear Station
Middletown, PA 17057

Dear Dr. Travers:

# 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 response to your letter dated March 7, 1984, the following is the status of the Auxiliary and Fuel Handling Building Decontamination scheduled for the First Quarter of 1986. This undate only addresses those areas where Technical Specification Surveillances are not being performed due to ALARA considerations.

## Make-up Filter Cubicle

ALARA exemption is being taken for Technical Specification Surveillance 4210-SUR-3775.02 (4331-R3), "Fire Barrier Penetration Fire Seal Inspection".

The radiation dose rate for the general area is 800 mR/hr with hot spots up to 1.25 R/hr.

The Make-Up and Purification Cesium Elution Process system equipment which has been blocking access to this cubicle has been removed. Fuel characterization is scheduled to start in April 1986. External surface flushing software is ready to be implemented but is constrained by a prerequisite to perform a systems flush. Engineering for the flush is underway and expected to be completed during the Second Quarter of 1986.

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### Make-up Pump Suction and Discharge Valve Alley

ALARA exemption is being taken for Technical Specification Surveillance 4210-SUR-3775.02 (4331-R3) and 4210-SUR-3775.01 (4331-A1), "Fire Barrier Penetration Fire Seal Inspections".

General area radiation dose rates for this cubicle range from 2 - 55 mR/hr in the suction alley to 1.5 - 5 R/hr in the discharge alley.

Fuel characterization for these areas has been completed. The quantity of fuel in the Make-up Pump Suction area is estimated to range from 14 to 665 grams; a best estimate value is 260 grams. The quantity of fuel in the Discharge Valve Alley South is estimated to range from 3.4 to 7.6 grams and that in the Discharge Valve Alley North is estimated to range from 15 to 50 grams.

Partial scabbling of the floor in the Make-up Pump Suction area was performed during the Fourth Quarter of 1985. Three-fourths of this area has been resurveyed and the general dose rates are less than 40 mR/hr. However, system hot spots still limit entry. Implementation of system flushing is constrained by the requirements to install a flushing connection as part of the block orifice removal activity and the removal of ion exchange resin from the Make-up and Purification Demineralizers.

#### Seal Injection Cubicle

ALARA exemption is currently being taken for Technical Specification Surveillance 4210-SUR-3244.01 (4301-M8), "Containment Integrity Verification."

The gamma radiation dose rate for the general area is 25 R/hr with hot spots of up to 110 R/hr.

Installation of a supplemental ventilation system, additional video cameras, lighting, and other supports systems has been completed. Debris removal in the Seal Injection Cubicle Corridor is complete. Gross flushing will commence upon installation of a dam in an adjacent cubicle. A detailed radiological characterization will take place after flushing.

#### 305' Elevation Make-up Valve Alley

ALARA exemption is being taken for Technical Specification Surveillance 4210-SUR-3775.02 (4331-R3), "Fire Penetration Fire Seal Inspection."

The general area radiological dose rate is approximately 400 mR/hr. A few hot spots, which average 2-3 R/hr, remain in the piping and related components. A hot spot of 20 R/hr exists at the floor drain.

Fuel characterization was completed during the Fourth Quarter of 1985 and the quantity of fuel in this area is estimated to range from 139 to 700 grams.

Dr. Travers

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The software for removal of the block orifice has been completed. Engineering for system flushing is expected to be completed during the Second Quarter of 1986.

We will continue to keep you apprised of progress in the decontamination of the Auxiliary and Fuel Handling Building.

Sincerely, . R. Standerfer

Vice President/Director, TMI-2

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