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December 30, 1983
4410-83-L 0294

Dr. Bernard J. Snyder
Program Director
TMI Program Office
U.S. Nuclear Regulatory Commission
Washington, D.C. 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

GPUNC letter 4410-83-L-0236 dated September 30, 1983 committed to provide you with a plan and schedule to recover Technical Specification required systems and components such that required surveillances can be performed. In response to this commitment a list of areas in the Auxiliary and Fuel Handling Building (AFHB) which contain items for which we are currently taking ALARA exemptions for both Technical Specification Surveillances and Operations Procedures was developed (Attachment 1). After developing this list, decontamination priorities were assigned to these areas based on system flush flow paths, operational need and Technical Specification Surveillances. Durations were then assigned to the performance of these activities based on estimated times for gross decontamination, system flushing, shielding hot spots, maintenance as required and final hands-on decontamination of the cubicles to the extent that work can be performed under normal Radiological Work Permit conditions. As a result of this effort an anticipated decontamination schedule was developed (Attachment 2). This schedule shows on a quarterly basis the areas we plan to decontaminate. This schedule does not take into account contingencies for major repairs to valves, pumps or fire barrier walls, however.

If you have any questions on this subject, please contact Mr. J. J. Byrne of my staff.

Sincerely,

B. K. Kanga
B. K. Kanga
Director, TMI-2

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Attachment

cc: Mr. L. H. Barrett, Deputy Program Director - TMI Program Office

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AREAS CURRENTLY REQUIRING
ALARA EXEMPTIONS

AREA	SURVEILLANCE/PROCEDURE
Seal Injection Cubicle	4301-M8 (Containment Integrity Verif.) OPS-S-76 (Locked Valve Verif.) OPS-S-93 (Aux./F.H. Misc. Lube)
Seal Return Cooler Room	4331-R3 (Fire Barrier Pen. Seal Insp.) 2104-4.3 (Waste Gas Disposal) 2104-1.2 (Makeup & Purif.) OPS-S-76 (Locked Valve Check)
Makeup Pump Cubicles	4331-A1 (Fire Barrier Pen. Seal Insp.) OPS-S-18,19,20 (Makeup Pump Rotation) 2104-1.2 (Makeup & Purif.) 2104-1.14 (SPC System) 2104-1.2 (D.H. Removal System)
Makeup Pump Suction & Discharge Valve Alley 281'	4331-A1 (Fire Barrier Pen. Seal Insp.) 2104-1.14 (SPC System) 2104-1.3 (D.H. Removal System) 2104-1.2 (Makeup & Purif. System) 2104-8.1 (SDS Filter & Ion Exchange Op.) 2104-8.1A (RCS/RCBT "B" Processing thru SDS)
305' Makeup Valve Alley	2102-3.5 (R.C. Processing Feed & Bleed) 2104-10.2 (Primary Plant Oper. Proc.) 2104-1.2 (Makeup & Purif.) 2104-4.1 (Misc. Radwaste Liquid) 2104-2.3 (Instrument Air)

NOTE: 43XX Procedures indicate Technical Specification required surveillances.

**AREAS CURRENTLY REQUIRING
ALARA EXEMPTIONS**

AREA	SURVEILLANCE/PROCEDURE
Makeup Filter & Demin. Rooms	2104-1.2 (Makeup & Purif.) 2104-4.3 (Waste Gas Disposal)
Miscellaneous Waste Holdup Tank Room	2104-4.8 (Aux. Sump Transfer to MWHT) 2104-4.1 (Misc. Liquid Radwaste) 2104-8.1 (SDS System Op.) 2104-4.69 (R.B. Sump Transfer to RCBT) 2104-4.7 (Epicor II Op.) 2104-4.44 (Contam. Drain Tank Transfer to MWHT)
Neutralizing Tank Room	2104-4.27 (RCBT Transfer to MWHT) 2104-4.60 (RCBT thru Epicor II) 2104-4.69 (R.B. Sump to RCBT) 2104-4.33 (WDL-T-8A/B Transfer to MWHT) 2104-1.7 (TMI I/II Radwaste Separation) 2104-4.1 (Misc. Radwaste Liquid) 2104-4.3 (Waste Gas Disposal)
Aux. Bldg. Sump Cubicle	2104-4.1 (Misc. Radwaste Liquid) 2104-4.76 (Flush of Aux. Bldg. Sump Tank) 2104-4.3 (Waste Gas Disposal)
RC Evaporator Cubicle	2104-4.1 (Misc. Radwaste Liquid) 2104-4.2 (R.C. Liquid Waste Disposal) 2104-4.3 (Solid Waste Disposal) 2104-4.78 (R.C. Evaporator to Aux. Sump Tank)
Reclaimed Boric Acid Tank	2104-1.7 (TMI I/II Radwaste Separation) 2104-4.4 (Solid Waste Disposal)

AREAS CURRENTLY REQUIRING
ALARA EXEMPTIONS

AREA	SURVEILLANCE/PROCEDURE
R.C.B.T. B&C Room	4331-R3 (Fire Barrier Pen. Seal Insp.) 2104-4.2 (R.C. Liquid Radwaste Disposal) 2102-3.5 (Rx. Coolant Processing Feed & Bleed) 2104-4.3 (Waste Gas Disposal) 2104-4.27 (RCBT Transfer to M.W.H.T.) 2104-4.60 (RCBT Transfer to Epicor II) 2104-4.69 (R.B. Sump to RCBT) 2102-10.2 (Primary Plant Op. Procedure)
A & B Decay Heat Vaults	4303-M2 (D.H. Pump Op. Test) 4303-M4 (Boron Inject. Valve Lineup Verif.) 4303-M25 (D.H.C.C.W. Pump & Valve Test) 2104-10.2 (Primary Plant Op. Procedure) 2104-4.69 (R.B. Sump to RCBT)
F.H. Building Annulus 281'	4301-M8 (Containment Integrity Verif.) 4301-M3 (Seismic Inst. Check) 4303-SA1 (Seismic Inst. Funct. Test) 2104-8.1A (RCS/RCBT "B" Processing thru SDS) 2104-3.3 (Decay Heat Closed Cooling Water) 2104-4.3 (Waste Gas Disposal) 2104-4.90 (BWST Transfer to RCBT & SPC System)

DECON SCHEDULE FOR 1984

1st Quarter 1984

- 1.) Complete B & C RCBT Room
- 2.) Neutralizing Tank Room
- 3.) Make-Up Filter Cubicle
- 4.) Miscellaneous Waste Holdup Tank Room
- 5.) Decay Heat Vaults
- 6.) Building Spray Vaults

2nd Quarter 1984

- 7.) Drain and Refill Decay Heat System
- 8.) Drain and Refill Reactor Building Spray System
- 9.) Seal Return Cooler Room
- 10.) Make-Up and Purification Pump Rooms

3rd Quarter 1984

- 11.) Make-Up Pump Suction & Discharge Alley (281')
- 12.) Auxiliary Building Sump Cubicle
- 13.) Reclaimed Boric Acid Tank Room

4th Quarter 1984

- 14.) 305' El. Make-Up Valve Alley
- 15.) Seal Injection Cubicle
- 16.) Fuel Handling Building