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C312-93-2076
C000-93-2274

December 13, 1993

US Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

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

Dear Sir:

The Post-Defueling Monitored Storage (PDMS) Safety Analysis Report (SAR), Supplement 4, Question No. 1 requested an estimate of the total quantity of contamination in the Auxiliary and Fuel Handling Buildings (AFHB). As agreed, GPU Nuclear provided an assessment (GPU Nuclear letter C312-93-2063, dated September 15, 1993) of the quantity of contamination in two AFHB cubicles for NRC review. As stated in the reference letter, GPU Nuclear has proceeded under the assumption that the methodology so described was acceptable to NRC and has completed the calculation of the total quantity of contamination in the AFHB and the seven other contaminated buildings.

The total quantity of contamination (fixed and loose) in the TMI-2 AFHB and the seven other contaminated buildings is approximately 12,000 Ci. Nearly 90% of this total is contained in the following four cubicles/areas:

AX004	Seal Injection Valve Room
AX012	Aux Bldg Sump and Tank Room
AX114	MUP Demineralizer 1A Room
AX115	MUP Demineralizer 1B Room

9001
9312220125 931213
PDR ADOCK 0500C320
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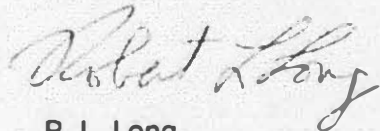
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The PDMS SAR has been revised to reflect this quantification of AFHB contamination. GPU Nuclear considers this letter to completely answer the question posed in PDMS SAR Supplement 4, Question No. 1.

Sincerely Yours,



R. L. Long
Director, Services Division/TMI-2

EDS/dtb

cc: M. G. Evans - Senior Resident Inspector, TMI
T. T. Martin - Regional Administrator, Region I
M. T. Masnik - Project Manager, PDNP Directorate
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