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Document Control Desk
US Nuclear Regulatory Commission
Washington, DC 20555

Dear Sirs:

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

Attached for your information are results of analyses performed for GPU Nuclear by the Westinghouse Advanced Energy Systems Division Analytical Laboratories. These analyses were performed as part of the waste stream classification requirements of 10 CFR Part 61. They provide additional information regarding the radionuclide content of selected processed water streams at TMI-2. This data was not available prior to publication of Draft Supplement 2 to the Programmatic Environmental Impact Statement - Three Mile Island Unit 2 (PEIS).

The data provided in the attachment is representative of the radionuclide inventory of TMI-2 water which has undergone processing. In accordance with our July 1986 proposal for the disposal of TMI-2 water by the evaporation process, this water would not be reprocessed prior to evaporation. Therefore, these data are representative of the influent stream to the evaporation system and are provided for your consideration in that context. Similar data is not reported by Westinghouse for tritium (H-3) since an analysis for tritium was not performed. The data reported in our July 1986 proposal for the "Disposal of TMI-2 Water" remains valid.

Sincerely,

RE Roga
for F. R. Standerfer
Director, TMI-2

Add: PWR/B/ADTS

A001
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FRS/JJB/eml

Attachment

cc: Regional Administrator - Region 1, Dr. T. E. Murley
Director - TMI-2 Cleanup Project Directorate, Dr. W. D. Travers

WESTINGHOUSE ADVANCED ENERGY SYSTEMS DIVISION ANALYSES

	CCT-1 85-10962 09/18/85 86-2007		CCT-2 85-11240 09/26/85 86-2008		PWST-1 85-15995 12/20/85 86-2009		PWST-2 85-16198 12/23/85 86-2010	
	uCi/ml	2S	uCi/ml	2S	uCi/ml	2S	uCi/ml	2S
Co-60	1.2E-7	8.4E-8	< 4.5E-8		< 1.0E-7		1.8E-7	5.2E-8
Ag-110m	< 3.6E-7		< 1.2E-7		< 2.3E-7		< 1.1E-7	
Sb-125	< 3.3E-7		< 1.1E-7		< 2.7E-7		3.4E-7	1.1E-7
Ru-106	< 1.1E-6		< 5.3E-7		< 9.8E-7		< 5.2E-7	
Cs-134	3.2E-7	1.2E-7	1.2E-7	4.5E-8	2.4E-7	8.1E-8	2.1E-7	4.4E-8
Cs-137	6.5E-6	2.5E-7	2.8E-6	7.6E-8	6.4E-6	2.2E-7	4.8E-6	9.9E-8
Ce-144	< 7.8E-7		< 3.0E-7		< 5.7E-7		< 2.8E-7	
Sr-90	9.0E-6	1.8E-7	1.8E-7	3.6E-8	7.9E-6	1.8E-7	2.1E-5	2.9E-7
I-129	< 4.8E-7		< 5.3E-7		< 6.2E-7		< 5.9E-7	
Ni-63	< 5.4E-7		< 5.2E-7		8.4E-7	6.5E-7	< 5.6E-7	
Tc-99	< 2.6E-7		< 2.7E-7		9.9E-7	3.2E-7	< 2.5E-7	
C-14	1.4E-4	9.8E-6	1.1E-4	1.1E-5	5.1E-5	6.2E-6	3.0E-4	1.1E-5
U-234	< 1.1E-8		< 1.4E-8		< 1.6E-8		< 1.5E-8	
U-235	< 6.2E-9		< 6.9E-9		< 1.2E-8		< 8.7E-9	
U-238	< 8.4E-9		< 8.1E-9		< 1.2E-8		< 1.4E-8	
Pu-238	< 1.1E-7		< 1.2E-8		< 1.2E-8		< 1.1E-8	
Pu-239/240	< 3.7E-8		< 1.3E-8		< 1.4E-8		< 1.2E-8	
Am-241	< 4.6E-8		< 1.2E-8		< 1.2E-8		< 1.1E-8	
Cm-242	< 1.1E-7		< 8.6E-8		< 6.3E-8		< 6.1E-8	
Cm-243/244	< 2.0E-8		< 1.0E-8		< 1.1E-8		< 8.6E-9	