

Inter-Office Memorandum

GPU Service

Date August 3, 1979

Subject Three Mile Island Liquid Releases

To J. T. Collins, NRC

Location Three Mile Island

A preliminary evaluation of the Three Mile Island Unit 1 Waste Evaporator Condensate Storage Tank (WECST) releases has determined Sr89/Sr90 values as you requested. These results were received via phone conversation with Dr. Dave Martin of Teledyne Isotopes. A followup letter confirming these values for strontium is expected in the near future. These samples are the monthly composite samples of the releases from the Unit 1 WECST's 11A and 11B.

<u>Period Covered by Sample</u>	<u>Concentration</u>	<u>Gallons Released</u>	<u>Ci Released</u>
4/1 to 4/30	Sr89 $3.8 \times 10^{-7} \mu\text{Ci/ml}$	101,845	1.47×10^{-4}
	Sr90 $2.2 \times 10^{-8} \mu\text{Ci/ml}$		8.48×10^{-6}
5/1 to 5/31	Sr89 $9.1 \times 10^{-6} \mu\text{Ci/ml}$	98,994	3.41×10^{-3}
	Sr90 $2.2 \times 10^{-7} \mu\text{Ci/ml}$		8.24×10^{-5}

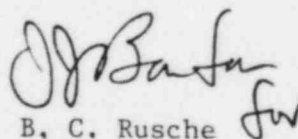
There were two releases made between March 28, 1979 and March 31, 1979. These were not included in this report because they were both made from the Unit 1 WECST's containing only Unit 1 water which was processed into the WECST's prior to the accident.

The monthly composite sample of June has not been analyzed for Sr89/Sr90 as yet. These results are expected within one to two weeks.

The composite sample of July was just sent to Teledyne Isotopes. These results are expected in about six weeks.

If you need additional information, please contact us.

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B. C. Rusche fw

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cc: J. J. Barton
R. J. McGoey



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

August 5, 1979

MEMORANDUM FOR: John Barton, Waste Management Activities, GPU
FROM: John T. Collins, Deputy Director, TMI-2 Support
SUBJECT: THREE MILE ISLAND LIQUID RELEASES

I have reviewed your memo of August 3, 1979 concerning the monthly composite samples of the releases from Unit 1, WECST's 11A and 11B and I have the following comments. Your memo provided the results for April and May but not for June and July. You indicated that the results for June would be available in about two weeks and the results for July in about six weeks. In view of the potential significance of these samples, we find this turnaround time unacceptable. Every effort should be made to shorten the time required for these analyses.

John T. Collins
John T. Collins, Deputy Director
TMI-2 Support

cc: R. Vollmer
PDR

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