

ORISE

OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION

ENERGY/ENVIRONMENT SYSTEMS DIVISION

March 2, 1994

Mr. Steven Courtemanche
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

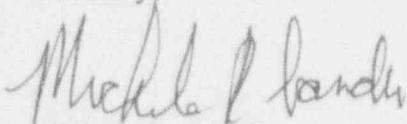
**SUBJECT: DATA RESULTS FOR INTERSTATE NUCLEAR SERVICES
(SPRINGFIELD, MA) SAMPLES (RFTA 94-009)**

Dear Mr. Courtemanche:

Attached are the results of analyses, performed on samples associated with operations of the Interstate Nuclear Services facility in Springfield, MA. We would like to note that the sample volumes provided were less than the quantities typically required for some of the wet chemistry analyses and suggest that our laboratory be contacted regarding sample volume needs, prior to future sampling of this nature.

If you have any questions regarding this data, please contact me at (615) 576-2908.

Sincerely,



Michele R. Landis
Project Manager
Environmental Survey and
Site Assessment Program

MRL:rde

Attachment

cc: T. Mo, NRC/NMSS, 4E4
D. Tiktinsky, NRC/NMSS, 6E6
J. Kottan, NRC/Region I
J. Beck, ESSAP
J. Berger, ESSAP
E. Abelquist, ESSAP
PMDA, NRC, 6E6
File/243

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**RADIONUCLIDE CONCENTRATIONS
 IN SAMPLES FROM
 INTERSTATE NUCLEAR SERVICES
 SPRINGFIELD, MASSACHUSETTS**

Radionuclide	Concentration (pCi/l)	
	Water #1	Water #2
H-3	17,800 ± 2,200*	4,400 ± 1,200
Mn-54	8.1 ± 7.4	115 ± 18
Co-58	<10	27 ± 11
Co-60	4.5 ± 1.3	430 ± 49
Zn-65	18 ± 19	550 ± 70
Sr-90	14.5 ± 6.5	<8.2
Tc-99	346 ± 30	<13
Cs-134	<9.0	24.3 ± 9.8
Cs-137	11 ± 10	801.1 ± 9.0

*Uncertainties represent the 95% confidence level, based only on counting statistics.