



**INS** INTERSTATE NUCLEAR SERVICES  
A DIVISION OF UNIFIRST CORPORATION

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October 22, 1990

Ms. Betsy Ullrich  
Nuclear Regulatory Commission  
Region I  
475 Allendale Rd.  
King of Prussia, PA 19406

Dear Ms. Ullrich:

RE: NRC License No. 37-23341-01

Enclosed please find quarterly summaries of wastewater discharges for July, 1990 through September, 1990. Please note that we are now sampling for pure beta emitters on a quarterly basis due to the fact that we have never, nor plan to, discharge to the surface (the initial purpose of monthly analysis). Furthermore, since we do not plan to discharge to the surface, we would like to discontinue reporting percent surface MPC on future quarterly summaries. Please advise me on your consideration of this request.

If we can provide further information, please call.

Sincerely,

Renee Echols  
Health Physicist

cc: Jack Badey  
Harry Barnes  
Kurt Larson, ANI  
Agency Corresp. File  
Mike Bovino

9102270209 910211  
REG1 LIC30  
37-23341-01 PDR

INS CORPORATION  
QUARTERLY WASTEWATER DISCHARGE REPORT  
ROYERSFORD, PA

For the calendar quarter July, 1990 through September, 1990.

July, 1990

<u>ISOTOPE</u>	<u>CONCENTRATION</u> <u>(uCi/ml)</u>	<u>% SEWER MPC</u>	<u>% SURFACE MPC</u>
Cs-134	2.12 E-6	0.71	23.56
Cs-137	3.78 E-6	0.95	18.90
Co-60	5.93 E-6	0.59	19.77
Mn-54	1.71 E-6	0	1.71
Sr-89*	3.40 E-9	0	0.11
Sr-90*	1.43 E-6	14.30	476.70
Fe-55*	3.21 E-7	0	0
Ni-63*	1.00 E-8	0	0

August, 1990

<u>ISOTOPE</u>	<u>CONCENTRATION</u> <u>(uCi/ml)</u>	<u>% SEWER MPC</u>	<u>% SURFACE MPC</u>
Cs-134	1.53 E-6	0.51	17.00
Cs-137	2.72 E-6	0.68	13.60
Co-58	7.95 E-7	0	0.88
Co-60	4.77 E-6	0.48	15.90
Mn-54	1.03 E-6	0	1.03

September, 1990

<u>ISOTOPE</u>	<u>CONCENTRATION</u> <u>(uCi/ml)</u>	<u>% SEWER MPC</u>	<u>% SURFACE MPC</u>
Cs-134	2.33 E-6	0.78	25.89
Cs-137	3.89 E-6	0.97	19.45
Co-58	3.58 E-7	0	0.40
Co-60	4.70 E-6	0.47	15.67
Mn-54	1.69 E-6	0	1.69

\* Beta analyses are now done on a quarterly basis instead of monthly.

The total volume discharged this quarter was 32,830 ft<sup>3</sup>  
The total activity discharged this quarter was 10,989.5 uCi.