



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

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August 13, 1990

Mr. Frank Costello  
Nuclear Regulatory Commission  
Region I  
475 Allendale Rd.  
King of Prussia, PA 19406

Dear Mr. Costello:

RE: NRC License No. 37-23341-01

Enclosed please find quarterly summaries of wastewater discharges for April, 1990 through June, 1990. If we can provide further information, please call.

Sincerely,

Renee Echols  
Health Physicist

cc: Jack Badey  
Al Richard  
Kurt Larson, ANI  
Agency Corresp. File  
Mike Bovino

INS CORPORATION  
QUARTERLY WASTEWATER DISCHARGE REPORT  
ROYERSFORD, PA

For the calendar quarter April, 1990 through June, 1990.

April, 1990

<u>ISOTOPE</u>	<u>CONCENTRATION</u> <u>(uCi/ml)</u>	<u>% SEWER MPC</u>	<u>% SURFACE MPC</u>
Cs-134	1.83 E-6	0.61	20.33
Cs-137	4.11 E-6	1.03	20.55
Co-60	1.69 E-6	0.17	5.63
Mn-54	4.50 E-7	0	0.45
Sr-89	2.50 E-7	0	8.33
Sr-90	8.78 E-8	0.88	29.27

May, 1990

<u>ISOTOPE</u>	<u>CONCENTRATION</u> <u>(uCi/ml)</u>	<u>% SEWER MPC</u>	<u>% SURFACE MPC</u>
Cs-134	9.41 E-7	0.31	10.46
Cs-137	2.89 E-6	0.73	14.45
Co-58	5.46 E-7	0	0.61
Co-60	3.50 E-6	0.35	11.67
Mn-54	1.32 E-6	0	1.32
Fe-55	2.75 E-7	0	0
Ni-63	<5 E-9	0	0
Sr-89	5.00 E-9	0.33	0.17
Sr-90	2.20 E-8	0.22	7.33

June, 1990

<u>ISOTOPE</u>	<u>CONCENTRATION</u> <u>(uCi/ml)</u>	<u>% SEWER MPC</u>	<u>% SURFACE MPC</u>
Cs-134	1.95 E-6	0.65	21.67
Cs-137	4.20 E-6	1.05	21.00
Co-58	8.01 E-7	0	0.89
Co-60	3.07 E-6	0.31	10.23
Mn-54	1.42 E-6	0	1.42
Fe-55	5.86 E-7	0	0
Ni-63	<5 E-9	0	0
Sr-89	3.40 E-8	0	1.13
Sr-90	5.62 E-8	0.56	18.73

The total volume discharged this quarter was 72,855 ft<sup>3</sup>  
The total activity discharged this quarter was 15,767.3 uCi.