



INS INTERSTATE NUCLEAR SERVICES
A DIVISION OF UNIFIRST CORPORATION

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 ft³
The total activity discharged this quarter was 15,767.3 uCi.