



INS

INTERSTATE NUCLEAR SERVICES
A DIVISION OF UNIFIRST CORPORATION

September 25, 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 January, 1990 through March, 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

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REG1 LIC30
37-23341-01 PDR

INS CORPORATION
QUARTERLY WASTEWATER DISCHARGE REPORT
ROYERSFORD, PA

For the calendar quarter January, 1990 through March, 1990.

January, 1990

<u>ISOTOPE</u>	<u>CONCENTRATION</u> <u>(uCi/ml)</u>	<u>% SEWER MPC</u>	<u>% SURFACE MPC</u>
Cs-134	4.45 E-6	1.48	49.44
Cs-137	7.47 E-6	1.87	37.35
Co-60	4.97 E-6	0.50	16.57
Mn-54	1.26 E-6	0	1.26
Sr-90	2.33 E-7	2.33	77.67
Co-58	9.10 E-7	0	1.01
Zn-65	2.48 E-6	0	2.48
Fe-55	1.69 E-7	0	0
Ni-63	9.10 E-8	0	0.30

February, 1990

<u>ISOTOPE</u>	<u>CONCENTRATION</u> <u>(uCi/ml)</u>	<u>% SEWER MPC</u>	<u>% SURFACE MPC</u>
Cs-134	1.33 E-6	0.44	14.78
Cs-137	3.65 E-6	0.91	18.25
Co-58	1.67 E-6	0	1.86
Co-60	3.00 E-6	0.30	10.00
Fe-55	2.43 E-7	0	0
Ni-63	3.08 E-8	0	0.10
Sr-90	1.44 E-7	1.44	48.00

March, 1990

<u>ISOTOPE</u>	<u>CONCENTRATION</u> <u>(uCi/ml)</u>	<u>% SEWER MPC</u>	<u>% SURFACE MPC</u>
Cs-134	1.97 E-6	0.66	21.89
Cs-137	4.79 E-6	1.20	23.95
Co-58	4.00 E-7	0	0.44
Co-60	4.08 E-6	0.41	13.60
Mn-54	9.19 E-7	0	0.92
Fe-55	9.74 E-7	0	0.12
Sr-90	3.16 E-7	3.16	105.33

The total volume discharged this quarter was 104,365 ft³
The total activity discharged this quarter was 33,465.9 uCi.