



INS

INTERSTATE NUCLEAR SERVICES

A SUBSIDIARY OF UNIFIRST CORPORATION

October 13, 1989

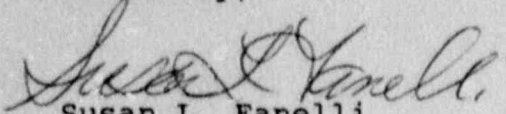
Mr. Frank Costello
Nuclear Regulatory Commission
Region I
475 Allendale Rd.
King of Prussia, PA 19406

Dear Mr. Costello:

RE: NRC License No. 37-23341-01

Enclosed please find INS- Royersford's second quarter wastewater discharge report. We apologize for the delay in this transmittal. If I can be of further assistance in interpretation, please feel free to call me.

Sincerely,


Susan L. Fanelli
Corporate Health Physicist

cc: Al Richard
Jack Badey
Guy Wilson
Mike Weinstein, ANI
Agency Correspondence File

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37-23341-01 PNU

INS CORPORATION
QUARTERLY WASTEWATER DISCHARGE REPORT
ROYERSFORD, PA

For the calendar quarter April, 1989 through June, 1989.

APRIL, 1989

<u>ISOTOPE</u>	<u>CONCENTRATION +- ERROR</u> (uCi/ml)			<u>% SEWER MPC</u>	<u>% SURFACE MPC</u>
Cs-134	1.05 E-6	+-	1.62 E-7	0.35	11.7
Cs-137	2.81 E-6	+-	2.64 E-7	0.70	14.0
Co-60	1.47 E-6	+-	1.89 E-7	0.15	4.9
Fe-55	2.50 E-6	+-	7.29 E-7	0.003	0.3
Sr-90	2.02 E-8	+-	1.4 E-9	0.20	6.7

MAY, 1989

<u>ISOTOPE</u>	<u>CONCENTRATION +- ERROR</u> (uCi/ml)			<u>% SEWER MPC</u>	<u>% SURFACE MPC</u>
Cs-134	9.52 E-7	+-	1.81 E-7	0.32	10.5
Cs-137	1.17 E-5	+-	5.17 E-7	2.92	58.5
Co-60	2.33 E-6	+-	2.49 E-7	0.23	7.8
Mn-54	6.14 E-7	+-	1.33 E-7	0.02	0.6
Fe-55	9.01 E-7	+-	4.91 E-7	0.005	0.1
Sr-90	5.00 E-8	+-	5.1 E-9	0.50	16.7

JUNE, 1989

<u>ISOTOPE</u>	<u>CONCENTRATION +- ERROR</u> (uCi/ml)			<u>% SEWER MPC</u>	<u>% SURFACE MPC</u>
Cs-134	9.93 E-7	+-	1.35 E-7	0.33	11.0
Cs-137	3.64 E-6	+-	3.86 E-7	0.91	18.2
Co-60	1.54 E-6	+-	2.02 E-7	0.15	5.1
Mn-54	8.83 E-7	+-	1.26 E-7	0.03	0.9
Fe-55	1.01 E-6	+-	5.21 E-7	0.005	0.1
Sr-90	1.29 E-8	+-	4.7 E-9	0.13	4.3

The Total Volume Discharged this Month was 113,420 Cubic Feet.
The total activity discharged this quarter was 37,009 uCi.



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