

FEB 07 1992

Docket No. 030-20934

License No. 37-23341-01

Borough of Royersford
ATTN: Michael Claflin, Superintendent
Wastewater Treatment Facility
300 Main Street
P. O. Box 188
Royersford, Pennsylvania 19468

Dear Mr. Claflin:

Subject: Results of Second Quarter 1991 TLD Monitoring
Summary Second Quarter 1991 Wastewater Discharges
by INS Corporation, Royersford, Pennsylvania

Enclosed are the results of the TLD direct radiation environmental monitoring performed at the Royersford Wastewater Treatment Facility for the period April 4 to June 27, 1991. Also enclosed is the summary of the discharges made by INS Corporation to your facility for the months of April, May, and June 1991.

If you have any questions, please contact me or Betsy Ullrich.

Your cooperation with us is appreciated.

Sincerely,

Original Signed By:
John D. Kinneman

John D. Kinneman, Chief
Nuclear Materials Safety Section B
Division of Radiation Safety
and Safeguards

Enclosures:

1. TLD Results
2. INS Corporation Quarterly Wastewater Discharge Report

OFFICIAL RECORD COPY

LETTER/ULLRICH - 0001.0.0
11/06/91

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REG1 LIC30
37-23341-01 PDR

1E:07

cc:
Public Document Room (PDR)
Nuclear Safety Information Center (NSIC)

Interstate Nuclear Services
ATTN: H. Burns, Plant Manager
North Third Avenue
Royersford, Pennsylvania 19468

Interstate Nuclear Services
ATTN: Michael Bovino
Corporate Health Physicist
295 Parker Street
P.O. Box 51957
Springfield, Massachusetts 01151

Commonwealth of Pennsylvania
Department of Environmental Resources
ATTN: Ivna Shanbaky
1875 New Hope Street
Norristown, Pennsylvania 19401

Commonwealth of Pennsylvania
Department of Environmental Resources
ATTN: Margaret Reilly
P. O. Box 2063
Harrisburg, Pennsylvania 17120

bcc:
Region I Docket Room (w/concurrences)
E. Ullrich, RI
J. Kinneman, RI
M. Miller, RI

RI:DRSS
Ullrich/gc

11/18/91

RI:DRSS
Kinneman

11/16/91

OFFICIAL RECORD COPY

LETTER/ULLRICH - 0002.0.0
11/06/91

Enclosure

TLD Direct Radiation Environmental Monitoring at the Royersford
Wastewater Treatment Facility

Transit Dose: 2.8 millirem

<u>Location</u>	<u>Net Exposure</u> <u>(millirem)</u>
1. Reed Bed #1, Cell A	142.4
2. Reed Bed #2, Cell B	170.3
3. Fence by Reed Bed #1 (East)	25.4
4. Settling Tank	39.3
5. Settling Tank	20.4
6. Rear Fence	20.9
7. Fence by Reed Bed #2 (West Side)	34.4
8. Secondary Bio Filter - Lamp post	26.5
9. Secondary Digester (West Side)	20.9
10. Flag Pole	20.0
11. Front Fence	damaged - no data
12. Chlorine Building - lamp post	29.9
13. Ladder Top - Primary Digester	53.5
14. Secondary Digester (East Side)	33.2
15. Settling Tank - Office Door	19.7
16. Inside Office	24.4

Period: April 3, 1991 through August 13, 1991



INTERSTATE NUCLEAR SERVICES
A DIVISION OF UNIFIRST CORPORATION

August 6, 1991

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

Dear Ms. Ullrich:

RE: NRC License No. 37-23341-01

Enclosed please find quarterly summaries of wastewater discharges for April through June, 1991. If we can provide further information, please call.

Sincerely,

Brian Fischer
Health Physicist

cc: Mike Bovino
Jack Badey
Harry Barnes
Bruce Ernst, ANI
Agency Corresp. File

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REG1 LIC30
37-23341-01 PDR

INS CORPORATION

QUARTERLY WASTEWATER DISCHARGE REPORT

ROYERSFORD, PA

April 1991

ISOTOPE	CONCENTRATION uCi/ml	% SEWER MPC
Cs-137	1.75E-6	.44
Mn-54	6.49E-7	.02
Co-60	2.76E-6	.28
Co-58	7.64E-7	.02

May 1991

ISOTOPE	CONCENTRATION uCi/ml	% SEWER MPC
Cs-134	4.51-E7	.12
Cs-137	1.29E-6	.32
Mn-54	2.82E-7	.01
Co-60	1.34E-6	.13
Co-58	5.06E-7	.03

June 1991

ISOTOPE	CONCENTRATION uCi/ml	% SEWER MPC
Cs-137	9.25E-7	.23
Mn-54	5.86E-7	.02
Co-58	5.20E-7	.02
Co-60	1.80E-6	.18

April 1991 through June 1991

ISOTOPE	CONCENTRATION uCi/ml	% SEWER MPC
H-3	1.12E-5	.01
Sr-90	2.15E-8	.22
Sr-89	<MDA	

Total volume discharged this quarter was 209,450 ft³.
Total Activity discharged this quarter was 27,948 uCi.

INS CORPORATION

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