

SEP 14 1992

Docket No. 030-20934

License No. 37-23341-01

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

Dear Mr. Claflin:

Subject: Second Quarter 1992 Wastewater Discharge Report from INS Corporation and  
Second Quarter 1992 Results of TLD Direct Radiation Environmental  
Monitoring at Royersford Wastewater Treatment Facility

Enclosed are the results of analyses of discharges made by the INS Corporation to the Royersford Wastewater Treatment Facility during the months of April, May and June of 1992. Also included are the results of the TLD dosimeters used to monitor environmental radiation levels during the period of March 17 through July 17, 1992. Please contact me if you have any questions.

Your cooperation with us is appreciated.

Sincerely,

**Original Signed By:  
Steven L. Baggett**

Steven L. Baggett, Chief  
Research, Development and  
Decommissioning Section  
Division of Radiation Safety  
and Safeguards

Enclosures:

1. Second Quarter 1992 Wastewater Discharge Report
2. Second Quarter 1992 TLD Direct Radiation Environmental Monitoring Records

ROYERSFORD.RL OFFICIAL RECORD COPY

Pg 1

September 2, 1992

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37-23341-01 PDR

RETURN ORIGINAL TO  
REGION I

HE:07

Borough of Royersford

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cc:

Public Document Room (PDR)  
Nuclear Safety Information Center (NSIC)  
Commonwealth of Pennsylvania

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

Interstate Nuclear Services  
ATTN: Michael Bovino, Manager  
Health Physics and Engineering  
295 Parker Street  
P.O. Box 51957  
Springfield, Massachusetts 01151

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

bcc:

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

RI:DRSS  
Ullrich/lp

9/8/92

RI:DRSS  
Baggett

9/12/92

INS CORPORATION

QUARTERLY WASTEWATER DISCHARGE REPORT

ROYERSFORD, PA

April 1992

ISOTOPE	CONCENTRATION $\mu\text{Ci/ml}$	% SEWER MPC
Cs-137	4.72E-7	.12
Co-60	2.02E-7	.02

May 1992

ISOTOPE	CONCENTRATION $\mu\text{Ci/ml}$	% SEWER MPC
Cs-134	2.22E-7	.07
Cs-137	1.52E-6	.38
Mn-54	4.00-7	.01
Co-58	2.52E-7	.01
Co-60	8.70E-7	.09

June 1992

ISOTOPE	CONCENTRATION $\mu\text{Ci/ml}$	% SEWER MPC
Cs-134	1.25E-7	.04
Cs-137	1.40E-6	.35
Fe-55	2.40E-7	<0.01

April 1992 through June 1992

ISOTOPE	CONCENTRATION $\mu\text{Ci/ml}$	% SEWER MPC
H-3	2.76E-6	.03
Sr-90	5.8E-9	.06
Sr-89	<MDA	
Tc-99	7.66E-8	<0.01

Total volume discharged this quarter was 232,830 ft<sup>3</sup>.  
 Total Activity discharged this quarter was 11189  $\mu\text{Ci}$ .

**Enclosure 2**

Second Quarter 1992 TLD Direct Radiation Environmental Monitoring at the Royersford Wastewater Treatment Facility

Transit Dose: 2.8 millirem

<u>Location</u>	<u>Net Exposure (millirem)</u>
1. Reed Bed #1, Cell A	136.00
2. Reed Bed #2, Cell B	162.50
3. Fence by Reed Bed #1 (East)	21.00
4. Settling Tank	33.50
5. Settling Tank	damaged - no data
6. Rear Fence	19.80
7. Fence by Reed Bed #2 (West Side)	23.10
8. Secondary Bio Filter - Lamp post	25.60
9. Secondary Digester (West Side)	20.80
10. Flag Pole	19.80
11. Front Fence	23.00
12. Chlorine Building - lamp post	29.20
13. Ladder Top - Primary Digester	30.30
14. Secondary Digester (East Side)	26.80
15. Settling Tank - Office Door	15.90
16. Inside Office	24.20

Period: March 17, 1992 through July 17, 1992