

JAN 23 1992

License No. 37-23341-01

Docket No. 030-20934

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

Dear Mr. Claflin:

Subject: Third Quarter 1991 Wastewater Discharge Report from INS Corporation
and Third Quarter 1991 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 July, August, and September of 1991. Also included are the results of the TLD dosimeters used to monitor environmental radiation levels during the period of June 27 through October 2, 1991. Please contact me if you have any questions.

Your cooperation with us is appreciated.

Sincerely,

Original Signed By:
Francis M. Costello

Francis M. Costello, Chief
Research, Development &
Decommissioning Section
Division of Radiation Safety
and Safeguards

Enclosures:

1. Letter dated November 12, 1991
2. TLD Direct Radiation Environmental Monitoring Records

cc w/enclosures
Public Document Room (PDR)
Nuclear Safety Information Center (NSIC)
Commonwealth of Pennsylvania

OFFICIAL RECORD COPY

LTR ROYERSFORD - 0001.0.0
01/14/92 RETURN ORIGINAL TO
REGION I

9202110233 920123
REG1 LIC30
37-23341-01 PDR

IE:07

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

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:DRSS
[Signature]
Ullrich/bj
01/15/91

PMC
RI:DRSS
Costello
01/13/91

OFFICIAL RECORD COPY

LTR ROYERSFORD - 0002.0.0
01/14/92

INS

TLD Direct Radiation Environmental Monitoring

For the period 910613-911114 155 Days

Field Time: 98 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	0 0.0	212.9 +- 6.4; 31.9	190.4 +- 5.9; 29.5	97.1 +-45.6
2	0 0.0	237.2 +- 7.1; 35.6	212.8 +- 6.5; 32.8	110.4 +-54.8
3	0 0.0	26.2 +- 0.8; 3.9	19.1 +- 0.8; 4.7	19.9 +- 4.2
4	0 0.0	46.3 +- 1.4; 6.9	37.5 +- 1.3; 7.1	30.7 +- 8.0
5	0 0.0	23.1 +- 0.7; 3.5	16.2 +- 0.7; 4.4	17.2 +- 3.2
6	0 0.0	24.5 +- 0.7; 3.7	17.5 +- 0.8; 4.5	18.9 +- 1.9
7	0 0.0	25.5 +- 0.8; 3.8	18.4 +- 0.8; 4.6	22.2 +- 8.6
8	0 0.0	27.2 +- 0.8; 4.1	19.9 +- 0.8; 4.8	20.6 +- 4.4
9	0 0.0	22.5 +- 0.7; 3.4	15.6 +- 0.7; 4.3	20.9 +- 3.1
10	0 0.0	25.2 +- 0.8; 3.8	18.1 +- 0.8; 4.6	18.4 +- 1.4
11	0 0.0	24.7 +- 0.7; 3.7	17.7 +- 0.8; 4.6	19.5 +- 3.3
12	0 0.0	34.0 +- 1.0; 5.1	26.2 +- 1.0; 5.6	27.9 +- 1.7
13	0 0.0	50.2 +- 1.5; 7.5	41.1 +- 1.4; 7.6	33.9 +-13.0
14	0 0.0	39.4 +- 1.2; 5.9	31.1 +- 1.1; 6.2	27.8 +- 4.2
15	0 0.0	22.0 +- 0.7; 3.3	15.1 +- 0.7; 4.3	16.7 +- 2.2
16	0 0.0	26.4 +- 0.8; 4.0	19.2 +- 0.8; 4.7	21.1 +- 3.2

Transit Dose = 5.5 +- 0.4; 3.3