

SEP 23 1994

Docket No.030-20934

License No. 37-23341-01

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

Dear Mr. Bovino:

This refers to your letter dated May 5, 1994 submitting the wastewater discharge summaries for the period of January through March, 1994, and to your letter dated June 10, 1994 with the pathway analysis study "Radiological Impacts of Effluent releases to the Atmosphere and Sanitary Sewer from Interstate Nuclear Services, Royersford, Pennsylvania". This also refers to the telephone conversation on August 24, 1994 between Betsy Ullrich of this office and Kent Anderson of your staff.

Please note that the January, 1994, result for the percent of the cobalt-58 monthly average concentration limit released by the INS Royersford facility is 0.1%, based on the 2.00 E-7 microcuries of cobalt-58 per milliliter you reported releasing during that month. Your table submitted shows the percentage to be 0.01%. We understand from the telephone conversation that the percent reported was a typographical error, and your records contain the correct information.

Thank you for providing this information. We have no further questions at this time. Your cooperation with us is appreciated.

Sincerely,

Original Signed By:

Mohamed M. Shanbaky, Chief
Research and Development Section
Division of Radiation Safety
and Safeguards

9410070018 940923
PDR ADDCK 03020934
C PDR

060068

OFFICIAL RECORD COPY - S:\PENDING\INSREPLY.EXU - 08/24/94

RETURN ORIGINAL TO
REGION I

11/12/07

Interstate Nuclear Services

-2-

cc:

Public Document Room (PDR)
Nuclear Safety Information Center (NSIC)
Commonwealth of Pennsylvania
Kent Anderson, Health Physicist

bcc:

Region I Docket Room (w/concurrences)
E. Ullrich, RI

DRSS:RI
Ullrich/cmm

8/21/94

DRSS:RI
Shanbaky

8/20/94



INTERSTATE NUCLEAR SERVICES
A SUBSIDIARY OF UNIFIRST CORPORATION

May 5, 1994

Mr. Mohamed Shanbaky
Chief, R & D Section
Region I
475 Allendale Road
King of Prussia, PA 19406

RE: NRC License No. 37-23341-01

Mr. Shanbaky:

Attached is the quarterly wastewater discharge summary, January 1994 through March 1994, for our Royersford, PA facility. If you have any questions, please feel free to call me at the telephone number listed below.

Sincerely,

Kent Anderson
Health Physicist

cc: M. Bovino, Manager Health Physics and Engineering
J. Badey, Manager Eastern Operations
L. Rahilly, Radiation Safety Officer
file

9410070022 940923
PDR ADDCK 03020934
C PDR

INS CORPORATION
QUARTERLY WASTEWATER DISCHARGE REPORT
ROYERSFORD, PA

January 1994

| ISOTOPE | CONCENTRATION $\mu\text{Ci/ml}$ | % SEWER MPC |
|---------|------------------------------------|-------------|
| Cs-134 | 2.97E-7 | 3.30 |
| Cs-137 | 7.40E-7 | 7.40 |
| Co-58 | 2.00E-7 | 0.01 |
| Co-60 | 7.98E-7 | 2.66 |
| Mn-54 | 1.52E-7 | 0.05 |
| Zn-65 | 2.58E-7 | 0.52 |

February 1994

| ISOTOPE | CONCENTRATION $\mu\text{Ci/ml}$ | % SEWER MPC |
|---------|------------------------------------|-------------|
| Cs-134 | 8.91E-7 | 9.90 |
| Cs-137 | 1.88E-6 | 18.8 |
| Co-58 | 2.13E-7 | 0.11 |
| Zn-65 | 1.87E-7 | 0.37 |
| Co-60 | 2.50E-7 | 0.83 |
| Mn-54 | 1.26E-7 | 0.04 |

March 1994

| ISOTOPE | CONCENTRATION $\mu\text{Ci/ml}$ | % SEWER MPC |
|---------|------------------------------------|-------------|
| Cs-134 | 6.55E-7 | 7.28 |
| Cs-137 | 1.58E-6 | 15.80 |
| Co-58 | 1.09E-6 | 0.54 |
| Co-60 | 6.94E-7 | 2.31 |
| Mn-54 | 5.71E-7 | 0.19 |
| Zn-65 | 4.11E-7 | 0.82 |

January through March 1994

| ISOTOPE | CONCENTRATION $\mu\text{Ci/ml}$ | % SEWER MPC |
|---------|------------------------------------|-------------|
| I-129 | 1.40E-8 | 0.70 |
| Ni-63 | 9.00E-8 | 0.01 |
| Sr-90 | 1.60E-8 | 0.32 |
| Fe-55 | 1.33E-6 | 0.13 |
| H-3 | 2.18E-5 | 0.22 |

Total volume discharged 1st quarter 1994 was 1,899,536 gallons.

Total uCi discharged 1st quarter 1994 was 197,029.