



Interstate Nuclear Services

North 3rd Avenue  
Royersford, Pennsylvania 19468  
(215) 948-9700

July 01, 1985  
GAJ/56-2D/85

U.S. Nuclear Regulatory Commission  
Region 1  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

Attention: John Kinneman

Reference: Letter From John D. Kinneman, U.S.N.R.C., to Ben Bosco,  
INS Corp, dated June 3, 1985, concerning N.R.C.  
Inspection No. 85-01 of our Royersford, Pennsylvania  
facility operated under N.R.C. License #37-23341-01.

Dear Mr. Kinneman:

In response to the above referenced letter, INS Corp has initiated  
the following corrective actions to assure compliance with the item  
discussed in the Appendix A, Notice of Violation.

ITEM

Contrary to Appendix D, Paragraph 9.A.3 of our license application,  
as of March 25, 1985, all packages containing radioactive materials  
were not routinely monitored to determine the surface exposure rate.  
Specifically, selected packages were surveyed, but these did not  
include, as required, all packages containing radioactive materials.

RESPONSE

All employees who receive incoming shipments of radioactive material  
have been retrained to perform surveys of all incoming containers.  
These surveys shall be documented and kept on file for inspection.  
To facilitate the performance of this survey, INS Corp has put  
together a form and included it with this response for your informa-  
tion. (See Enclosure A)

We are in full compliance at this time and can assure you that the  
corrective actions initiated will avoid further violations in this  
area.

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REG1 LIC30  
37-23341-01 PDR

In regards to ensuring accurate Strontium 90 analysis of discharges to the sewerage system, we presently have only one customer that sends us launderable items with Sr90 contamination. This customer was previously serviced by our New Kensington PA facility, where several waste water and sludge samples were analyzed for Sr90. These sample results yielded activities which had less than 1% of the total activity due to Sr90.

To further assure a similar situation exists at the Royersford PA facility the following program shall be initiated on August 1, 1985.

1. Between 8/1/85 and 12/31/85, a minimum of six (6) representative water samples shall be taken during processing of the customer of concerns clothing. These samples shall be analyzed for Sr90 and the results kept on file.
2. INS Corp is presently obtaining a composite water sample which is composed of 50ml from each waste water tank released. Appendix D of our license requires a minimum of annual analysis of this composite. INS Corp shall increase this frequency to semi-annual and assure there is a specific analysis performed for Sr90.

We are confident that the above analysis will confirm the low levels of Sr90 previously found both by the NRC and INS.

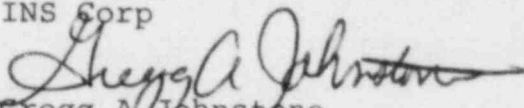
In addition to the above, INS Corp has been investigating the use of a zeolite filter media in our waste water filter system. This zeolite media, according to the vendor, should preferentially remove Strontium. INS Corp will continue to perform testing and analysis of various waste water filtering medias to further reduce our already low water release levels in accordance with the ALARA philosophy.

Mr. Bosco has accepted a position with another company and Mr. W. Roschewski, who is listed as an alternate RSO on our license, will be functioning as the facility RSO. Mr Bruce Eide was hired on 6/24/85 and is presently in training. Following his training a license amendment will be submitted.

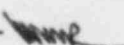
We appreciate the time and effort the members or your staff have expended on assisting INS in assuring our health physics program is the best.

If you have any questions please do not hesitate to contact me at 413-543-6911 or our operations manager Mr. Roschewski at 215-948-9700.

Sincerely,  
INS Corp

  
Gregg A. Johnstone  
Corporate Health Physicist

GAJ/jmj

cc: G. J. Bakevich  
W. M. Roschewski -   
B. Eide  
G. Mensing  
R. Reed

INS CORP  
INCOMING SURVEY DATA

Cal. Due \_\_\_\_\_

(a)	(b)	(c)	(a)	(b)	(c)
	Gross	Highest		Gross	Highest

Gross Highest		Gross Highest	
Cont. #	Cond. Smear Contact Perf.	Cont. #	Cond. Smear Contact Perf.
Cont. #	Cond. 100cpm MB/hr by init.	Cont. #	Cond. 100cpm MB/hr by init.

This image shows a full page of blank graph paper. The grid consists of small squares formed by horizontal and vertical lines. There are approximately 20 columns and 20 rows visible on the page. The paper is white, and the lines are thin and black.

- (a) Verify container has not been damaged and or ruptured and general package condition is satisfactory by a check ( ).
- (b) Perform a gross smear of the container and count on Ludlum Model 177 or equivalent. Confirm less than 200cpm above background and check ( ).  
Individual smears shall be taken for alpha accounts.  
(Limit: 220dpm/100cm<sup>2</sup>).

NOTE: If a or b column are not checked contact RSO prior to proceeding.

- (c) Using the instrument listed in (c) perform a contact MR/hr survey of the container. Containers less 1.0MR/hr may be recorded as 1.0MR/hr.

NOTE: If 30MR/hr contact BSO prior to proceeding.

Reviewed By F50

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Sign/Date