

March 28, 1997

Docket No. 030-20934

License No. 37-23341-01

Robert Umstead, Manager
Borough of Royersford
300 Main Street
P.O. Box 188
Royersford, Pennsylvania 19468

Dear Mr. Umstead:

We are requesting your assistance in our continuing effort to monitor the presence of radioactive material in sludge at the Royersford Wastewater Treatment Facility (RWTF). At this time, we are attempting to assess the total amount of radioactive material which was contained in dewatered sludge sent offsite and which is present in the reed beds at the Royersford Sewage Treatment Facility so that we can better evaluate the radiation dose to the workers at the RWTF and to the general public. The NRC limits dose to the public to 100 millirem per year. A 1993 evaluation of radioactive material released from INS to the RWTF determined that workers at the RWTF could receive up to 18.6 millirem per year and persons who live in the vicinity of INS could receive up to 0.3 millirem per year. This evaluation used data from the first two years of operation of the reed beds. We plan to perform additional sampling in the reed beds to evaluate the current conditions there. We also need to know how much radioactive material was released in dewatered sludge which was disposed of off-site so that we can update our evaluation of doses to the public.

We would appreciate it if you could provide us with the dates (month and year) that sludge from the secondary digester was dewatered, and the volume and/or mass of dewatered sludge that resulted from each dewatering period. If possible, we would also like to know the volume of secondary digester sludge that was dewatered.

As you are aware, we continue to inspect and review the activities of the Interstate Nuclear Services Corporation (INS), an NRC licensee in the Borough of Royersford, which releases effluent to the RWTF in compliance with NRC regulations. Because the radioactive material re-concentrates at the RWTF, we have been monitoring the presence of radioactive material since 1986 through analyses of samples and measurement of environmental radiation levels at the sewage facility. INS continues to provide us with reports of their releases to the sewer every three months which we use to calculate how much radioactive material INS sends to the sewage facility. Using your information and the results of our analyses of dewatered sludge samples, we should be able to calculate how much material reached the secondary digester and was transferred to the dewatered sludge cake and to the reed beds.

RED
1/0

**RETURN ORIGINAL TO
REGION I**

OFFICIAL RECORD COPY

9704080298 970328
PDR ADOCK 03020934
C PDR



R. Umstead
Borough of Royersford

-2-

We greatly appreciate the cooperation of Michael Claflin and Donna Niemirovich at the Royersford Wastewater Treatment Facility in collecting samples for analysis and providing us with information about the operations of the sewage facility. We will continue to fund the analysis of these samples, and to provide the environmental radiation monitors for the Royersford Wastewater Treatment Facility. If you or your staff have any additional questions regarding this request, please contact Betsy Ullrich of my staff at (610) 337-5040.

Your cooperation with us is appreciated.

Sincerely,

ORIGINAL SIGNED BY:
JOHN D. KINNEMAN

John D. Kinneman, Chief
Nuclear Materials Safety Branch 2
Division of Nuclear Materials Safety

Docket No. 030-20934
License No. 37-23341-01

cc:
Commonwealth of Pennsylvania

Michael Claflin, Superintendent
Wastewater Treatment Facility
Borough of Royersford
P. O. Box 188
Royersford, Pennsylvania 19468

William Kirk, Chief
Environmental Radiation Division
Commonwealth of Pennsylvania
Department of Environmental Resources
P. O. Box 2063
Harrisburg, Pennsylvania 17120

OFFICIAL RECORD COPY

R. Umstead
Borough of Royersford

-3-

Ivna Shanbaky
Commonwealth of Pennsylvania
Department of Environmental Resources
Lee Park
555 North Lane, Suite 610
Conshohocken, Pennsylvania 19428

Victor Crusselle, Manager
Health Physics and Engineering
Interstate Nuclear Services
295 Parker Street
P. O. Box 51957
Springfield, Massachusetts 01151

Daniel Neeley, Plant Manager
Interstate Nuclear Services
401 North Third Avenue
Royersford, Pennsylvania 19468

R. Umstead
Borough of Royersford

-4-

Distribution:

PUBLIC

Nuclear Safety Information Center (NSIC)

Region I Docket Room (w/concurrences)

E. Ullrich, RI

J. Kinneman, RI

D. Chawaga, RI

DOCUMENT NAME: R:\WPS\MISC\RWTF.UM

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	<input checked="" type="checkbox"/> N	DNMS/RI	<input checked="" type="checkbox"/> N			
NAME	ULLRICH/exu		KINNEMAN				
DATE	03/26/97		03/26/97		03/ /97		03/ /97

OFFICIAL RECORD COPY