



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

May 4, 2005

Docket No. 03020934

License No. 37-23341-01

Dale Jakoby
Superintendent
Borough of Royersford
Wastewater Treatment Facility
300 Main Street
P. O. Box 188
Royersford, PA 19468

SUBJECT: WASTEWATER TREATMENT FACILITY, RESULTS OF ANALYSES OF
SAMPLES COLLECTED APRIL 27-30 2004 AND FEBRUARY 16-MARCH 4,
2005

Dear Mr. Jakoby:

Enclosed are letters dated June 2, 2004, and April 22, 2005, from the Oak Ridge Institute for Science and Education (ORISE) providing the NRC with the results of analyses of samples collected at the Royersford Wastewater Treatment Facility (RWTF).

The first letter contains results of samples collected from the secondary digester at the RWTF and at the Pottstown Wastewater Treatment Facility during the period of April 27 through April 30, 2004. These samples were collected after UniTech Services Group, Inc. (UniTech) ceased release of effluent to the RWTF on January 30, 2004, but before completing clean-out of the RWTF waste processing system of materials that might contain residual radioactivity from UniTech.

The second letter contains results of samples collected after the clean-out of the waste processing system occurred during the summer 2004. Sludge and liquid samples collected from the RWTF during the period of February 16 through March 4, 2005, provide information about residual radioactivity in the current waste processing systems at the RWTF.

Prior to 2004, samples of liquid sludge from the secondary digester typically contained 3-6% solids and had cobalt-60 (Co-60) concentrations typically in the range of 9,000-60,000 picocuries per liter (pCi/l), although individual samples contained as much as 114,000 pCi/l. Cesium-137 (Cs-137) concentrations in these samples were in the range of 1,500-5,000 pCi/l. The samples collected in 2004 and 2005 from the secondary digester of the RWTF contained 1-3% solids and had significantly lower levels of residual radioactive materials, with concentrations ranging from 1-320 pCi/l of Co-60 and 1-36 pCi/l of Cs-137.

If you have any questions regarding these reports, please contact me at (610) 337-5040.
Thank you for your cooperation in this matter.

D. Jakoby
Borough of Royersford

2

Thank you for your cooperation.

Sincerely,

Original signed by Elizabeth Ullrich

Betsy Ullrich
Senior Health Physicist
Commercial and R&D Branch
Division of Nuclear Materials Safety

enclosures:

1. ORISE letter dated June2, 2004
2. ORISE letter dated April 22, 2005

cc w/enclosures:

Daniel R. Neeley, Radiation Safety Officer, UniTech
Michael Fuller, Manager, UniTech
David Allard, Director, PADEP
George Karron, PADEP

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