



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

June 27, 2006

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

SUBJECT: DISCONTINUE MONITORING WITH THERMOLUMINESCENT DETECTORS
FROM ROYERSFORD WASTEWATER TREATMENT FACILITY

Dear Mr. Torma:

This letter details the reasons for discontinuing monitoring with thermoluminescent detectors (TLDs) that were placed at the Royersford Wastewater Treatment Facility (RWTF) for radiological monitoring by the U.S. Nuclear Regulatory Commission Region I Office. These TLDs were used to evaluate the radiological exposure that resulted from effluent containing radioactive material that had concentrated at the RWTF.

Over the years, we have provided your facility the TLD monitoring results on a quarterly basis. This information identified the gross exposure from the radioactive material at specific locations in the environs at the RWTF. The NRC staff would review the dosimeter results to determine if there was a need for your facility to provide occupational exposure monitoring devices, and to determine if there was a radiological exposure pathway that would exceed the NRC public radiation dose limits. As you are aware, the gross exposure reports indicate that these NRC radiation protection standards are being met. In addition, we periodically collected samples of sludge, reeds, and effluent water from your facility. The results from the January 2006 samples were provided to you by NRC letter dated April 27, 2006 (ML061170198). As noted in this letter we confirmed that concentrations of radioactive materials at the RWTF are significantly lower than when receiving influent from UniTech Services Group, Inc. In addition, concentrations of radioactive materials in the reed beds are somewhat lower due to radioactive decay. Therefore, continued monitoring is not needed based on the current sewage process.

As arranged between you and Ms. Ullrich of this office, she will be at your facility on July 5, 2006, to remove the existing TLDs. A final quarterly report will be forwarded to you when provided by our TLD contractor. If you have any questions, regarding this matter, please contact Mr. James Dwyer of my staff at 610-337-5309.

Sincerely,

Original signed by Pamela J. Henderson

George Pangburn, Director
Division of Nuclear Materials Safety

S. Torma

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cc:

Robert Umstead, Royersford

David Allard, PADEP, Bureau of Radiation Protection

Terry Derstine, PADEP

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