



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

July 23, 2007

Docket No. 030-20934
Report No. 99990001/2006-001

License Nos. 37-23341-01

David J. Allard, CHP
Director, Bureau of Radiation Protection
Commonwealth of Pennsylvania
Department of Environmental Protection
P. O. Box 8469
Harrisburg, PA 17105-8469

SUBJECT: DOSE ASSESSMENT FOR WORKERS AND PUBLIC FROM REED BED
SLUDGE FROM THE ROYERSFORD WASTEWATER TREATMENT FACILITY

Dear Mr. Allard:

Enclosed are the results of the NRC staff's assessment of potential doses to workers and other members of the public from contaminated sludge located in the reed bed at the Royersford Wastewater Treatment Facility, Royersford, Pennsylvania. The potential doses under three circumstances were assessed: 1) if the contaminated sludge remains on site at the Royersford Wastewater Treatment Facility, then the maximum dose is estimated to be less than 10 millirem per year; 2) if the contaminated sludge is removed from the reed bed and packaged for transport, then the maximum dose is estimated to be less than 11 millirem; and 3) if the sludge is disposed at an industrial landfill, then the maximum dose is estimated to be a small fraction of a millirem. The assessment parameters are described in the Technical Evaluation Report, "Evaluation of Doses from Residual Radioactivity in Sewage Sludge at Royersford Wastewater Treatment Facility" (enclosed).

If you have additional questions about the assessment, please contact Betsy Ullrich of my staff at (610) 337-5040 or exu@nrc.gov. Thank you for your cooperation.

Sincerely,

Original signed by Mary Muessle

Brian Holian, Director
Division of Nuclear Materials Safety

Enclosure:
Technical Evaluation Report

cc w/enclosure:
Steven Torma, RWTF
Terry Derstine, PADEP

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