



DEPARTMENT OF THE ARMY

BUFFALO DISTRICT, CORPS OF ENGINEERS
1776 NIAGARA STREET
BUFFALO, NEW YORK 14207-3199

REPLY TO
ATTENTION OF

Special Projects Branch

JAN 17 2012

SUBJECT: Niagara Falls Storage Site Radon Assessment Technical Memorandum and Meteorological Data and Modeling Approaches Technical Report Released for Review and Comment

[REDACTED]
Chief, Environmental Radiation Section
New York State Department of Health
547 River Street, Room 530
Troy, NY 12180-2216

Dear [REDACTED]:

The U.S. Army Corps of Engineers Buffalo District is pleased to provide the enclosed electronic copy of the Radon Assessment Technical Memorandum for your review and comment. This document is the second in a series of technical memoranda (TM) to be released during the development of the Feasibility Study (FS) Report for the Niagara Falls Storage Site (NFSS) Interim Waste Containment Structure (IWCS) Operable Unit (OU). This TM was prepared as part of the Corps' environmental response project conducted under the Formerly Utilized Sites Remedial Action Program.

The Radon Assessment TM provides an initial estimate of the potential radon air concentrations at several locations both on and off the NFSS property resulting from hypothetical breaches of the IWCS cap. The predicted on- and off-site radon air concentrations were compared to related Federal and state radon standards and guidelines and showed that a properly designed and fully functional radon abatement/control system should be in place prior to any actions associated with removal of residues from the IWCS.

Enclosed along with this TM is the electronic version of the Evaluation of Meteorological Data and Modeling Approaches to Assess the Dispersion of Airborne Releases from the Niagara Falls Storage Site Technical Report. This report addresses two basic elements of upcoming air quality analyses for the site, the meteorological data to be used and the dispersion modeling approach to be applied.

Since exposure to radon is one of the most significant exposure pathways to be considered in assessing potential risk if the IWCS were to be opened (intentionally or unintentionally), radon exposures will continue to be evaluated in subsequent IWCS FS documents, including the upcoming Health Effects of Hypothetical Exposures to Contaminants from the IWCS TM. The

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Corps will also continue to evaluate meteorological data and its impacts on dispersion calculations.

Please submit your written comments to us by April 28, 2012. Your comments may be sent to the attention of the U.S. Army Corps of Engineers, Buffalo District, FUSRAP Team, 1776 Niagara Street, Buffalo, NY 14207.

A copy of this letter is being furnished to the enclosed list of individuals. They are also available on the Buffalo District website at:

<http://www.lrb.usace.army.mil/fusrap/nfss/index.htm#Documents>

Please contact me at [REDACTED] if you have any questions.

Sincerely,

[REDACTED]

Environmental Project Management Team
Project Manager

Enclosures