



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY

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

14 DEC 2010

Environmental Branch

SUBJECT: Formerly Utilized Sites Remedial Action Program (FUSRAP) Niagara Falls Storage Site Technical Memorandum – 2009 Environmental Surveillance Data

[REDACTED]
New York State Dept. of Environmental Conservation
[REDACTED]

Dear [REDACTED]

The enclosed technical memorandum for the year 2009 documents the results of the United States Army Corps of Engineers (USACE) environmental surveillance program at the Niagara Falls Storage Site (NFSS). The data in the memorandum was collected from December 2008 to December 2009. The results indicate that all measured parameters comply with the appropriate guidelines of the United States Department of Energy (DOE).

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- a. The external gamma radiation dose
- b. The airborne radon-220 and radon-222 concentrations
- c. The release rate of radon-222 from the surface of the interim waste containment structure
- d. The concentration of uranium-234, uranium-235, uranium-238, thorium-230, thorium-232, radium-226, and radium-228 in surface water and sediments
- e. The concentration of uranium-234, uranium-235, uranium-238, thorium-230, thorium-232, radium-226, radium-228, select metals, and water quality and field parameters for groundwater

In addition, the technical memorandum calculates the doses to potentially exposed members of the general public from airborne particulates from radioactive site soils and external gamma radiation. Both calculated doses comply with DOE and United States Environmental Protection Agency (USEPA) limits.



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BUFFALO, NEW YORK 14207-3199

14 DEC 2010

REPLY TO
ATTENTION OF

CELRB-TD-EE

MEMORANDUM FOR U.S. Army Engineer Division, Great Lakes and Ohio River,
ATTN: [REDACTED]

SUBJECT: Formerly Utilized Sites Remedial Action Program (FUSRAP) Niagara Falls Storage Site Technical Memorandum – 2009 Environmental Surveillance Data

1. The enclosed technical memorandum for the year 2009 documents the results of the United States Army Corps of Engineers (USACE) environmental surveillance program at the Niagara Falls Storage Site (NFSS). The data in the memorandum was collected from December 2008 to December 2009. The results indicate that all measured parameters comply with the appropriate guidelines of the United States Department of Energy (DOE).

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Environmental Branch

SUBJECT: Formerly Utilized Sites Remedial Action Program (FUSRAP) Niagara Falls Storage Site Technical Memorandum – 2009 Environmental Surveillance Data

[REDACTED]
[REDACTED]
Environmental Protection Agency, Region II
[REDACTED]
[REDACTED]

Dear [REDACTED]:

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Additional information on the NFSS is available on our public website located at <http://www.lrb.usace.army.mil/fusrap/index.htm>.

If you have any questions or concerns, please do not hesitate to contact me at (

[REDACTED]

Sincerely,

[REDACTED]

Environmental Project Management
Team Leader

Enclosure



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DEPARTMENT OF THE ARMY

BUFFALO DISTRICT, CORPS OF ENGINEERS
1776 NIAGARA STREET
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14 DEC 2010

Environmental Branch

SUBJECT: Formerly Utilized Sites Remedial Action Program (FUSRAP) Niagara Falls Storage Site Technical Memorandum – 2009 Environmental Surveillance Data

[REDACTED]
[REDACTED]
Niagara County Health Department
[REDACTED]
[REDACTED]

Dear [REDACTED]:

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[REDACTED]

[REDACTED]

[REDACTED]

Environmental Project Management
Team Leader

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SUBJECT: Formerly Utilized Sites Remedial Action Program (FUSRAP) Niagara Falls Storage Site Technical Memorandum – 2009 Environmental Surveillance Data

[REDACTED]
U.S. Department of Energy
[REDACTED]
[REDACTED]
[REDACTED]

Dear [REDACTED]

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If you have any questions or concerns, please do not hesitate to contact me at

[REDACTED]

Sincerely,

[REDACTED]

[REDACTED]

Environmental Project Management
Team Leader

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Environmental Branch

SUBJECT: Formerly Utilized Sites Remedial Action Program (FUSRAP) Niagara Falls Storage Site Technical Memorandum – 2009 Environmental Surveillance Data

[REDACTED]
U.S. Environmental Protection Agency, Region II
[REDACTED]
[REDACTED]
[REDACTED]

Dear [REDACTED]:

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If you have any questions or concerns, please do not hesitate to contact me at

[REDACTED].

Sincerely

[REDACTED]

[REDACTED]

Environmental Project Management
Team Leader

Enclosure



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BUFFALO DISTRICT, CORPS OF ENGINEERS
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Environmental Branch

SUBJECT: Formerly Utilized Sites Remedial Action Program (FUSRAP) Niagara Falls Storage Site Technical Memorandum – 2009 Environmental Surveillance Data

[REDACTED]
[REDACTED]
NYS Department of Environmental Conservation
[REDACTED]
[REDACTED]

Dear [REDACTED]:

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If you have any questions or concerns, please do not hesitate to contact me at

[REDACTED]

Sincerely,

[REDACTED]

Environmental Project Management
Team Leader

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Environmental Branch

SUBJECT: Formerly Utilized Sites Remedial Action Program (FUSRAP) Niagara Falls Storage Site Technical Memorandum – 2009 Environmental Surveillance Data

[REDACTED]
NYS Department of Health
Bureau of Environmental Radiation Protection
[REDACTED]

Dear [REDACTED]

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If you have any questions or concerns, please do not hesitate to contact me at

[REDACTED]

Sincerely,

[REDACTED]

[REDACTED]

Environmental Project Management
Team Leader

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Environmental Branch

SUBJECT: Formerly Utilized Sites Remedial Action Program (FUSRAP) Niagara Falls Storage Site Technical Memorandum – 2009 Environmental Surveillance Data

[REDACTED]

Town of Porter

[REDACTED]

[REDACTED]

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[REDACTED]

Sincerely,

[REDACTED]

[REDACTED]

Environmental Project Management
Team Leader

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DEPARTMENT OF THE ARMY

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[REDACTED]

[REDACTED]

Environmental Project Management
Team Leader

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SUBJECT: Formerly Utilized Sites Remedial Action Program (FUSRAP) Niagara Falls Storage Site Technical Memorandum – 2009 Environmental Surveillance Data

[REDACTED]
SUNY Buffalo
[REDACTED]
[REDACTED]
[REDACTED]

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Sincerely,

[REDACTED]

[REDACTED]

Environmental Project Management
Team Leader

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SUBJECT: Formerly Utilized Sites Remedial Action Program (FUSRAP) Niagara Falls Storage Site Technical Memoranda – 2009 Environmental Surveillance Data



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[REDACTED].

Sincerely,

[REDACTED]

[REDACTED]

Environmental Project Management
Team Leader

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SUBJECT: Formerly Utilized Sites Remedial Action Program (FUSRAP) Niagara Falls Storage Site Technical Memorandum – 2009 Environmental Surveillance Data

[REDACTED]
Town of Lewiston
[REDACTED]
[REDACTED]

Dear [REDACTED]

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Environmental Project Management
Team Leader

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