

NF-107  
130475

---

Formerly Utilized Sites Remedial Action Program (FUSRAP)

---

# ADMINISTRATIVE RECORD

for  
Niagara Falls Storage Site

---



JUN 01 1995

Dear Resident:

### **NIAGARA FALLS STORAGE SITE - 1994 ENVIRONMENTAL SURVEILLANCE INFORMATION**

The Niagara Falls Storage Site (NFSS) is used for storage of soils containing low levels of radioactive materials that originated from the early years of the nation's atomic energy program. Managed by the U.S. Department of Energy (DOE), the site undergoes a continuous environmental surveillance program to confirm the effectiveness of the storage program.

This letter summarizes the results of the surveillance program, which includes the following activities:

- annual analyses of groundwater for radiological and chemical parameters;
- surface water and sediment sampling and analyses for radiological parameters;
- quarterly data collection from instruments that continuously monitor the air to determine radon and thoron concentrations;
- data collection twice each year from instruments that continuously measure external gamma radiation exposure; and
- measurement of radon flux (the emission rate of radon from the surface of the stored waste) twice each year.

Results from 1994 environmental surveillance are similar to results from previous years and indicate that average concentrations of radioisotopes and metals in groundwater, surface water, and sediment are well below applicable state and federal standards. Results also indicate that no current public drinking water sources are affected by NFSS.

Radon and thoron concentrations in air and radon flux from the waste containment structure were well below DOE and U. S. Environmental Protection Agency (EPA) guidelines. (Nearly all radon/thoron concentrations were less than the detection limit.) External gamma radiation levels were also well below DOE guidelines.

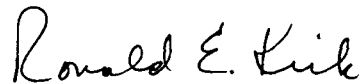
Potential human exposures to radioactivity from airborne particles at NFSS were calculated on the basis of site surveillance data and local land usage. Results were ninety-nine percent below the health-based guidelines established by EPA.

All county, state, and federal agencies providing oversight at NFSS have received the surveillance information for 1994. Also, the information has been placed in the DOE Administrative Record located at NFSS and at the Lewiston Public Library, 505 Center Street, Lewiston, New York. The information can be found under the title *Environmental Surveillance Results for 1994 for the Niagara Falls Storage Site*.

If you would like to learn more about the NFSS environmental surveillance program, you may call DOE's toll-free information number, 1-800-253-9759. For a prompt response, please leave a message and your phone number or address.

Please contact me if you wish to discuss the NFSS environmental surveillance program or any other aspect of DOE's cleanup program in New York.

Sincerely,



Ronald E. Kirk, Site Manager  
Former Sites Restoration Division