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Department of Energy
Ohio Field Office
West Valley Demonstration Project
10282 Rock Springs Road
West Valley, NY 14171-9799

October 3, 2000

Mr. Jack Parrott
U.S. Nuclear Regulatory Commission
TWFN, 8 C30, MS-8 F37
Washington, D.C. 20555-0001

SUBJECT: U.S. Nuclear Regulatory Commission (NRC) Request for West Valley Data

REFERENCE: Letter (73583), L. W. Camper to E. A. Lowes, "Request for West Valley Data," dated August 28, 2000

Dear Mr. Parrott:

This letter is in response to NRC's request for West Valley Environmental Impact Statement (EIS) Radiological Characterization data (Referenced Letter). It is our understanding, based on your August 28, 2000, correspondence, that the NRC will use the data to develop an EIS Radiological Characterization database on West Valley in order to support NRC's role as a cooperating agency on the development of the EIS.

The West Valley EIS Radiological Characterization data are provided for internal use by NRC and its contractors, the Center for Nuclear Waste Regulatory Analyses (CNWRA) and MANDEX. The data is not intended for public dissemination by NRC or its contractors. Therefore, we understand that the results of the NRC Geographic Information System (GIS) and 3-D geospatial models based on the West Valley data, or any other interpretations or reports regarding the data, will only be shared with a non-public audience (i.e., NRC, DOE, NYSERDA, and NYSDEC or their contractors).

DOE and our contractors will be available, as requested, to address questions regarding the West Valley EIS Radiological Characterization data. We assume that this will require a minor level of effort, based on limited resources.

Enclosed is a compact disk containing the requested EIS Radiological Characterization data. The associated metadata file will be forwarded within approximately two weeks. References for quality assurance/quality control measures are included with the enclosed list of files contained on the compact disk. Details regarding future updates of the West Valley EIS Radiological Characterization data will be finalized at a later date.

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Mr. Jack Parrott

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Should you have any questions or would like additional information, please contact Dan Sullivan of my staff at (716) 942-4016.

Sincerely,



Alice C. Williams, Director
West Valley Demonstration Project

Enclosures: 1. List of West Valley EIS Radiological Characterization Data Files
2. Compact Disk

cc: M. N. Maloney, OH/WVDP, WV-DOE, w/enc. 1 only
P. L. Piciulo, NYSERDA, WV-17, w/enc. 1 only
R. E. Steiner, WVNS, AOC-09, w/enc. 1 only

DWS:0101 - 73884 - 451.5.2e

DWS/sdm

LIST OF WEST VALLEY ENVIRONMENTAL IMPACT STATEMENT RADIOLOGICAL CHARACTERIZATION DATA FILES

The following items (electronic GIS files) are being transferred to the Nuclear Regulatory Commission (NRC) and/or designated contractors in cooperation with the Department of Energy (DOE) West Valley field office and West Valley Nuclear Services (WVNS). These files have been compressed and transferred to CD-ROM for delivery. Metadata for the files will be forwarded in approximately two weeks. The list below is a nontechnical inventory of the data transfer.

ARCVIEW PROJECT FILES:

- Groundwater Monitoring Program (GMP.apr);
- Geotechnical Investigation Information (Geotech.apr);
- Environmental Monitoring Program (EMP.apr);
- State Pollutant Discharge Elimination System (SPDES) and Stormwater Monitoring Program (Stormwater.apr)
- Western New York Nuclear Service Center Information (Wnynsc.apr); and
 - This contains general maps of the Western New York Nuclear Service Center (WNYNSC) property, locations of NYSERDA-controlled groundwater monitoring wells, and general watershed information. No analytical data are available through this project file.
- NRC Demonstration Files (NRC-demo-1/NRC-demo-2/NRC-demo-layouts.apr).

PRIMARY DATABASE FILES (DBASE III OR IV FORMATS):

- Environmental Monitoring Program sampling locations;
- SPDES and stormwater monitoring locations;
- Groundwater monitoring well and instrument information;
- Geotechnical and survey information for subsurface penetrations;
- Geological stratification information;
- Geological definitions for stratigraphic units;
- Quality assurance flag definition table (used with analytical data);
- Groundwater elevation data (groundwater monitoring program);
- Analytical data from the various on-site Geoprobe® investigations;
- Analytical data from the 1993 EID/RFI soil sampling program;

LIST OF WEST VALLEY ENVIRONMENTAL IMPACT STATEMENT

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RADIOLOGICAL CHARACTERIZATION DATA FILES**

- Table defining the chemical/radiologic parameter abbreviations used in the analytical tables;
- Groundwater monitoring data for sampled on-site wells (1991 - 1999); and
- General NDA burial inventory (by trench),

ARCVIEW SHAPEFILES (WILL INCLUDE SPATIAL INDICES AND ATTRIBUTE TABLES):

- Ashford Hollow Quadrangle roads;
- Ashford Hollow Quadrangle streams;
- Western New York State bedrock coverage (Erie County Department of Planning);
- Cattaraugus County streams;
- Cattaraugus County roads;
- Cattaraugus County boundary;
- Cattaraugus Creek watershed boundary;
- Cattaraugus Creek watershed USGS 30-m Digital Elevation Model (USGS BASINS model);
- Cattaraugus Creek watershed land-use coverage;
- Cattaraugus Creek watershed surficial soils coverage;
- Local city and township coverage;
- Western New York counties coverage;
- Erie County roads;
- Erie County streams;
- FEMA 100-year flood plains (1996 survey) (Erie County Department of Planning);
- U.S. Fish and Wildlife Service Wetlands (Erie County Department of Planning);

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- General soil-type coverage for Erie and Cattaraugus Counties (Erie County Department of Planning);
- Native-American reservations within Cattaraugus County;
- General land-use coverage for Western New York (Erie County Department of Planning);
- Waste-treatment lagoons at the WVDP;
- WNYNSC reservoirs (for WVDP drinking/process water);
- Nuclear Regulatory Commission Licensed Disposal Area (NDA) burial trench coverage;
- New York State Department of Environmental Conservation (NYSDEC)-designated wetlands (Erie County Department of Planning);
- Isopach contours for the sand and gravel unit;
- Geologic delineation of slackwater sequence (sand and gravel unit);
- Super solid waste management units (SSWMUs) at the WVDP (EID/RFI);
- Stormwater flow pathways;
- Wetland survey boundary;
- NDA burial limit delineation;
- NDA contaminated soil roll-off locations;
- Stormwater drainage basins (WVDP/SDA) coverage;
- Topographic contours from 1996 aerial survey;
- Upland areas within wetlands;
- Hydrologic features at the WVDP (includes decommissioned lagoons);
- Erie County watershed coverage (with Cattaraugus Creek);

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- WNYNSC dominant vegetation delineation;
- Wetland coverage from 1998 survey (general WVDP survey);
- Municipality coverage for Western New York (Erie County Department of Planning);
- Major road delineations for Western New York (ESRI CD-ROM);
- Major stream delineations for Western New York (ESRI CD-ROM);
- Outline of WNYNSC property;
- WVDP premises fence line;
- WNYNSC hydrologic features - streams/drainage ways;
- WVDP rail spur;
- WVDP/WNYNSC road coverage;
- WVDP/WNYNSC structures coverage; and
- Soil-type delineation for WVDP area.

All of the spatial data are projected in New York State Planar coordinated system (NAD 1983), with elevation data based on NAVD 1988 (feet above the mean sea level). The metadata provide additional descriptive information for each file.

WVDP data were normally collected as part of a specific project and incorporated into the site GIS when appropriate. GIS data are managed for quality assurance under WVDP-307, Geographic Information Systems Management Plan, Revision 0, July 23, 1998. Quality assurance associated with environmental monitoring data is completed according to EMP-101, Quality Assurance for the Environmental Monitoring Program, Revision 2, July 8, 1997.

Some non-WVDP data have been obtained from public agencies and reliable private sources. These data may not have significant metadata but are considered accurate for their intended scale of application (e.g., regional information).

Additional information for these electronic GIS files can be obtained from Mr. Bob Steiner at (716) 942-2870 or steiner@wv.doe.gov.