

United States Government

Department of Energy

memorandum

Ohio Field Office
West Valley Demonstration Project

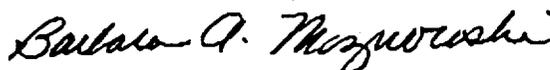
DATE: May 16, 2000

SUBJECT: Weekly Activities Report

TO: Mark E. Rawlings, Team Leader
West Valley Demonstration Project
DOE-HQ, EM-31, 1188/CLOV

Attached is a copy of the West Valley Demonstration Project Weekly Activities Report (Predecisional Draft), dated May 16, 2000.

Please advise me if we can provide any further information.



Barbara A. Mazurowski, Director
West Valley Demonstration Project

Attachment

- cc: A. R. Griffith, EM-21, 2086/CLOV, w/att.
- S. L. Baggett, NRC, TWFN, Room 6 D10, MS-6 F18, w/att.
- T. Jackson, NRC-Region 1, w/att.
- J. D. Parrott, NRC, TWFN, Room 8 C30, MS-8 F37, w/att.
- OH/WVDP Staff, w/att.
- P. L. Piciulo, NYSERDA-WV, w/att.

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WEEKLY ACTIVITIES REPORT
WEST VALLEY DEMONSTRATION PROJECT
May 16, 2000
CURRENT ACTIVITIES

HIGH-LEVEL WASTE PROJECT ACTIVITIES

- o Progress continues toward high-level waste (HLW) tank heel removal. Completed work this past week included: two HLW Transfers from tank 8D-2 to the Concentrator Feed Makeup Tank (CFMT) resulting in approximately 7,895 gallons of waste being transferred; boil down of liquids in the CFMT; liquid processing from Tank 8D-1 through the Supernatant Treatment System (STS) to the Liquid Waste Treatment System (LWTS) evaporator; evaporator processing in the LWTS for volume reduction; and completion of size reduction of a HLW glass contaminated thermowell under the Vitrification Expanded Material Processing system.
- o Scheduled activities next week include waste transfers from Tank 8D-2 to Concentrator Feed Makeup Tank (CFMT); boil down of liquids in the CFMT; continued operation of the Liquid Waste Treatment System evaporator for volume reduction; and size reduction of a thermowell under the Vitrification Expanded Material Processing system.
- o The melter is currently in idle with the 247th canister, the sixth in fiscal year 2000 under the melter feed pour spout. Repair of the malfunctioning melter feed operating valve and resumption of melter feed operations are scheduled for mid June 2000.
- o The Office of Site Closure (EM-30) assembled a team and conducted a technical review of the revised West Valley Demonstration Project Waste Form Compliance Plan and Waste Form Qualification Report. The documents were revised to incorporate the strategy to encapsulate Inconel® melter hardware in high-level waste canisters. EM-30 has issued draft comments and the Ohio Field Office West Valley Demonstration Project has forwarded draft responses for EM-30 consideration.

PROJECT COMPLETION

- o Work on the Process Mechanical Cell Crane Room enclosure continued with close out of the construction punch list-items and completion of installation of the heating, ventilating, and air conditioning duct. Also completed the marking/labeling of the systems and removal of the Counting Room Air Handling Unit. Installation of the raised platform for the airlock began this week.
- o An entry was made into the General Purpose Cell Crane Room to install the jack stands to support the door and terminate the electrical wiring to the motor. An additional entry was made and three shafts, the center gear box, limit switch gear box, all bolts from motor and all

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bolts except one from the side gear box were removed. Dose received was half the planned estimate due to mockups and proper tooling.

- o On May 4, 2000, a kickoff meeting was held for the General Purpose Cell Crane Room enclosure construction. The purchase requisition for the steel fabrication is being routed for approval. The detailed schedule for the construction of the Enclosure is out for review.
- o Progress continued on Decontamination and Decommissioning of the Fuel Receiving and Storage (FRS) Area Cooling Tower. The Radiation equipment shed was dismantled and packaged for disposal. Characterization samples were shipped to an off-site lab for analysis. Workers completed the marking/labeling of the systems within the FRS Cooling Tower scope of work.
- o An entry was made into the Acid Recovery Pump Room to obtain four samples from the floor to determine whether the debris is Transuranic or Low-Level Waste.

WASTE MANAGEMENT

- o Work continues in support of the structural repair of the Chemical Process Cell Waste Storage Area. Preparation of the dose estimate for replacement of the bolts and washers has begun with the actual work scheduled for later this year.
- o A site "Chemical Round-Up" was successfully held on May 11, 2000. The round up provided employees an opportunity to easily get rid of chemicals or other items that are no longer needed. The two pallets and seven drums of material that was collected will be evaluated for reuse/recycle, return to vendor, or dispositioned as waste.
- o Six of the eight required intermodals have been filled with debris and moved to the Lag hardstand. The goal is to have eight intermodals filled and shipped by the end of June 2000. To date 9,472 cubic feet of soil has been prepared for shipment and 5,920 cubic feet of this soil has been shipped. Four sealand containers will be loaded with soil boxes and shipped Envirocare the week of May 15, 2000.

QUALITY ASSURANCE

- o Ohio Field Office West Valley Demonstration Project (OH/WVDP) is continuing to revise the OH/WVDP Policy and Procedures Manual to facilitate ease of use and to reflect updated structuring and responsibilities of the OH/WVDP Office. The fifty procedures contained in the Policy and Procedures Manual have been condensed into forty-four new procedures, nine of which are ready for issue.

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- o The next scheduled West Valley Nuclear Services Company Internal Audit that the Ohio Field Office West Valley Demonstration Project staff will participate in is an audit of the Analytical and Process Chemistry Laboratory on June 21 through 23, 2000. Future audits the U.S. Department of Energy plans on participating on include those for Waste Characterization, the High-Level Waste Quality Program, Procurement, Maintenance, and Material Control.
- o Ohio Field Office West Valley Demonstration Project staff will participate in West Valley Nuclear Services Company External Audit of Iron Mountain/National Underground Storage, Inc. on June 13 through 14, 2000.

PROJECT OR PROGRAM SPECIFIC ACTIVITIES

Spent Nuclear Fuel Program

- o Final welding of the cask trunnions on the new Transnuclear Robert E. Ginna cask transport frame is in progress. The right front trunnion is nearly complete. Concurrent with this activity, the request for quote for cask seals and O-rings was transmitted to Transnuclear Inc. (TN) for quotation. TN has received quotes for the Viton O-rings and is awaiting input on the metal O-ring. The Impact limiters trial fit-up is planned for mid-May 2000. A work request to move the limiters into the Fuel Receiving and Storage Facility was initiated.
- o U.S. Department of Energy, West Valley Nuclear Services Company, and Bechtel/Babcock and Wilcox Idaho representatives attended the Midwest Council of State Governments meeting in Minneapolis last week. A presentation was made on the West Valley Spent Nuclear Fuel shipment to the Idaho National Engineering and Environmental Laboratory. Copies of the draft plans and the Oak Ridge National Laboratory Route Study were provided to the Council members and were distributed to Western Governor's Association, Northeastern Governor's Council and the Shoshone-Bannock and Seneca Nation of Indians Tribes.

Remote Handled Waste Facility

- o The formal review of the General Arrangement drawings and the remote handling features of the Remote Handled Waste Facility design was held last week. Review comments and action items generated as a result of this design review are being addressed and dispositioned.
- o Preparations continue to support site mobilization for the Remote Handled Waste Facility project. Development of specifications and drawings for routing potable water to the construction site, installing Jersey Barriers in the north parking lot, and relocating the fence have been completed and are in review. Site walkdowns were held with Niagara Mohawk and Citizens Telecon for routing temporary utilities to the construction site.

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- The U.S. Nuclear Regulatory Commission review of the Remote Handled Waste Facility Preliminary Safety Analysis Report continues. Preparations are being made for a follow-up video teleconference to be held next week in order to address additional comments and questions resulting from the review.

Site Support

- In support of the Buttermilk Creek culvert repair, Eagle Fabricators has begun the fabrication of the support ribs. The first shipment of ribs was delivered to the coatings subcontractor on May 12, 2000. A kick-off meeting with Butler Construction was conducted on May 9, 2000, to discuss their plan for rib installation. Their schedule and safety plan submittals are expected by the end of this week.
- The results of the site rail spur inspection by representatives from Buffalo-Pittsburgh Railroad were received. A purchase requisition has been issued for Patterson-Stevens to add/quote the additional scope of work. Patterson-Stevens is scheduled to begin physical work on the spur on May 15, 2000. The validated permit from the Corps has been received and a copy issued to the subcontractor.

Environmental Impact Statement (EIS)

- Science Application International Corporation (SAIC) is continuing work on the development of Chapters 3 and 4 of the next National Environmental Policy Act document. SAIC is continuing performance assessment work, and to date has completed seven of the nine performance assessment modules. In parallel with completing the remaining two modules, SAIC has begun preparing integrated codes for the high-level waste Tank and Process Building to support incidental waste determination efforts. SAIC is continuing to work to define input parameters for the incidental waste analysis. SAIC has completed calibration of the Siberia erosion model and has begun base case and sensitivity computer runs. SAIC is also completing the update of the seismic hazard curve.
- The U.S. Nuclear Regulatory Commission (NRC) is preparing a commission paper that includes how West Valley Demonstration Project Environmental Impact Statement documents can be shared between agencies informally, which is consistent with the Memorandum of Understanding between the U.S. Department of Energy and NRC. NRC staff anticipates submittal to the commission in the next few weeks.
- DOE is continuing to meet with New York State Energy Research and Development Authority to discuss the Environmental Impact Statement schedule and potential opportunities to accelerate the work necessary to prepare the next National Environmental Policy Act document.

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MEETINGS/TRIPS

- o William Hamel and Christopher Eckert traveled to Miamisburg, OH, to participate in the Phase II evaluation of Mound's Integrated Safety management System Implementation from May 15 through May 23, 2000
- o The next Citizen Task Force (CTF) meeting is planned for May 23, 2000. Agenda items for this meeting include an update on U.S. Department of Energy and New York State Energy Research and Development Authority negotiations, future site use, and use of the CTF Recommendation as an Environmental Impact Statement alternative.