



NYSERDA

December 14, 2020

Bruce Watson, Branch Chief
Materials Decommissioning Branch
Division of Decommissioning, Uranium Recovery, and Waste Programs
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Bruce.Watson@nrc.gov

SUBJECT: West Valley Supplemental Environmental Impact Statement (SEIS) Schedule and Technical Discussions

REFERENCE: Email (383120), A. Snyder to Distribution, "West Valley SEIS Schedule," dated August 13, 2020

Dear Mr. Watson:

In response to the referenced email, we are writing to inform the U.S. Nuclear Regulatory Commission (NRC) that the schedule for development of the SEIS for Decommissioning and/or Long-Term Stewardship at the West Valley Demonstration Project and the Western New York Nuclear Service Center (the West Valley Site) has changed due to unanticipated complexities associated with the Probabilistic Performance Assessment (PPA) model.

We appreciate the NRC's commitment to supporting this effort and recognize its involvement as a cooperating agency in this SEIS will require a commitment of resources over the next several years. Enclosed is a revised draft of the SEIS development schedule that includes an estimate of when NRC resources will be needed to support the projected development timeframe for the SEIS and the decommissioning plans.

Additionally, because of NRC's performance assessment experience, the U.S. Department of Energy (DOE) and New York State Energy Research and Development Authority (NYSERDA) request NRC participate in a joint DOE/NYSERDA series of informal non-public meetings concurrent with the development of the joint DOE/NYSERDA PPA model and supporting design documents to allow DOE and NYSERDA to more effectively meet the proposed scheduled submission date of the Draft SEIS for the West Valley Site. The PPA model, once developed, will be used to inform the SEIS, but at this point, the agencies consider all information to be predecisional. DOE and NYSERDA propose to hold technical discussions with the NRC's performance assessment modeling staff that describe technical aspects of the West Valley PPA model. These technical discussions will not require travel and will utilize teleconferencing/online meeting technology such as GoToMeeting© allowing remote participation. Each meeting is expected to be approximately two hours long. Presentation material shall be prepared and technical staff capable of describing and discussing technical

aspects of the West Valley PPA model will be available to participate in these technical discussions. Potential technical discussions are listed below.

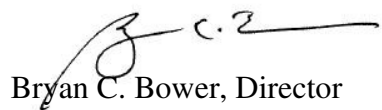
DOE and NYSERDA will work with NRC to schedule these meetings during 2021.

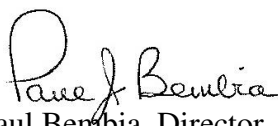
1. Conceptual Site Model for the West Valley Site and Features, Events, Processes, and Scenarios (FEPS) Analysis for the West Valley Site
2. West Valley PPA Model – Initial Overview
3. Inventory and Distribution Development
 - a. State-licensed Disposal Area (SDA)
 - b. NRC-licensed Disposal Area (NDA)
 - c. Waste Tank Farm (WTF)
 - d. Background and Residual Soil Inventory
4. Geologic Framework Model and Material Properties Distribution Development
5. Hydrologic Modeling
 - a. Groundwater Modeling (FEHM)
 - b. Infiltration Modeling (HELP)
 - c. Surface water and sediment transport modeling (SWAT)
6. Erosion Modeling
7. Human Dose and Risk Modeling
 - a. Onsite Resident Farmer
 - b. Hillslope Modeling
 - c. Offsite Dose
 - d. Population Dose
8. West Valley PPA Goldsim Model – Overview and Discussion

In closing, we want to thank NRC for your participation in the preparation of our SEIS for Decommissioning and/or Long-Term Stewardship at the West Valley Site.

If you have any questions, please feel free to contact Moira N. Maloney, DOE at (716) 870-8679 or Lee Gordon, NYSERDA at (716) 725-5727.

Sincerely,


Bryan C. Bower, Director
U.S. Department of Energy
West Valley Demonstration Project


Paul Bembla, Director
West Valley Site Management Program
New York State Energy Research & Development
Authority

Enclosures: See Page 3

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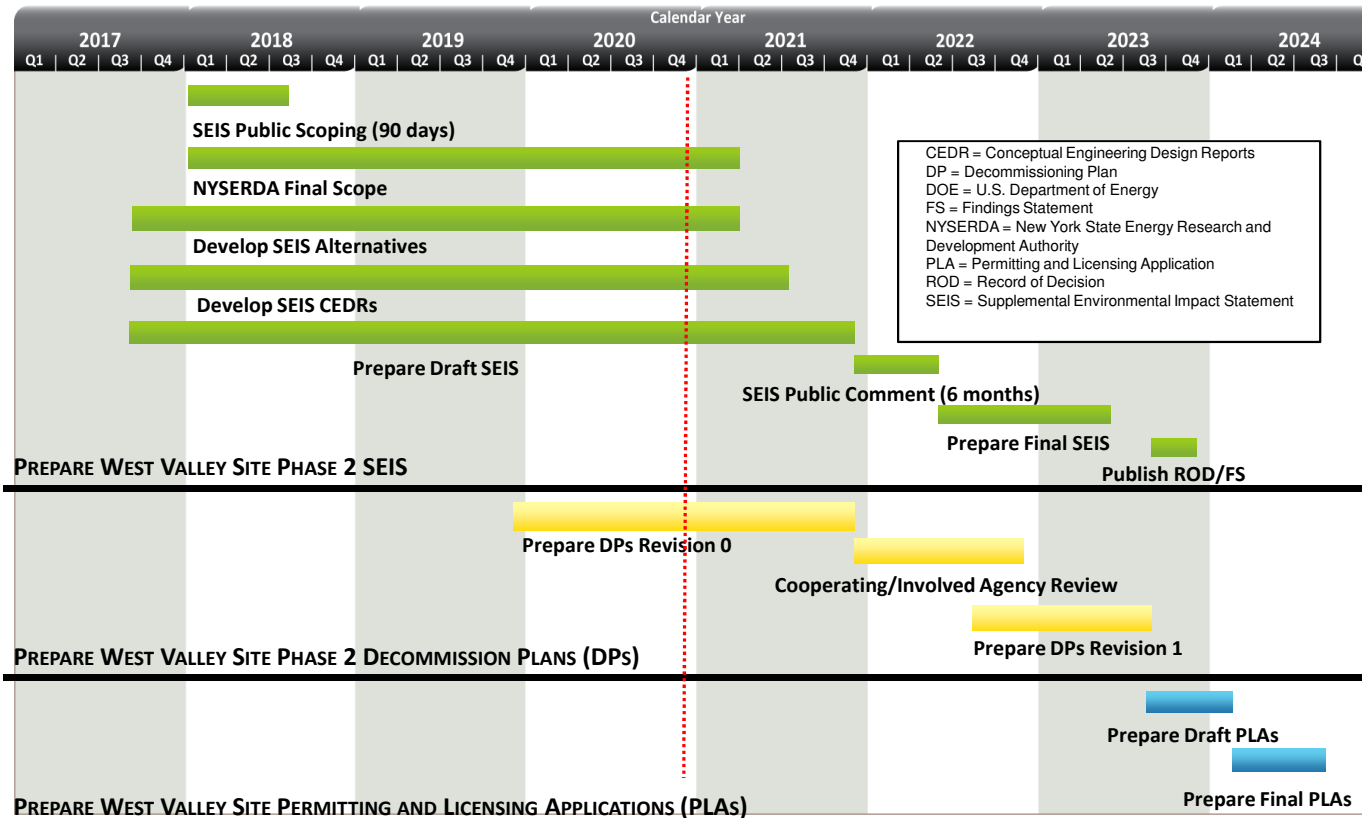
Enclosures: 1. West Valley Site Summary Timeline Graph
2. NRC Activities Graph

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Phase 2 Timeline

West Valley Site Summary Timeline



CEDR = Conceptual Engineering Design Reports
 DP = Decommissioning Plan
 DOE = U.S. Department of Energy
 FS = Findings Statement
 NYSERDA = New York State Energy Research and Development Authority
 PLA = Permitting and Licensing Application
 ROD = Record of Decision
 SEIS = Supplemental Environmental Impact Statement

NRC Activities in Red

