

Vermont DEC

Waste Management and Prevention Division

Vermont Yankee Nuclear Decommissioning Citizen
Advisory Panel Meeting

DEC Oversight Status

September 19, 2022
Patricia Coppolino on behalf of
Graham Bradley
Vermont DEC WMPD

- NDCAP member: Patricia Coppolino
- Designee for the Secretary of Agency Natural Resources (ANR)
- Senior Environmental Program Manager
- Presenting on behalf of DEC-WMPD-SMS Project Manager, Graham Bradley



DEC Work

DEC Role:

Ensure adherence to the 3/2/2018 Memorandum of Understanding between NorthStar and State:

- Ongoing communication and coordination
- Bi-weekly NorthStar, H&A, VT Agency Meeting
- Work with State consultant (Atlas) for non-radiological confirmatory surveys & analysis
 - Post Demolition Surveys
 - Groundwater split samples
- Corrective Action Plan (CAP) Review & Approval
- CAP Completion Review & Approval
- Permitting – work with other DEC programs
- Other report and progress review

Environmental Investigation

- **Groundwater Quarterly Sampling:**
 - Three years of quarterly monitoring
 - 70 wells to 19 wells to 4 wells
 - Atlas validated Haley & Aldrich procedures and laboratory results
 - 2021-2022 Annual Report in review
 - Impacts small - local exceedances of VOCs, PAHs, and PFAS
 - Propose suspending monitoring during demolition and soil remediation
 - Existing wells abandoned and new well installed post-remediation
 - Post-completion monitoring plan will be proposed by H&A and reviewed by DEC

Environmental Investigation

- **Non-Radiological Post Demolition Surveys**
 - Spray Pond
 - Concrete structure used to stockpile excavated VOC & PAH contaminated soil prior to shipment
 - August 9th, 2022 - following concrete removal soils surveyed (observations and PID) by H&A with oversight from Atlas
 - No contamination identified

Corrective Actions

- **Corrective Action Plans in Public Comment**
 - Fuel-Impacted Soils at the Turbine Building (AOC 5)
 - Excavation 40 x 35 x 22 ft deep
 - Confirmatory Soil Sampling
 - Clean backfill
 - Off-site disposal
 - Fuel-Impacted Soils at the 75,000-gallon Fuel Oil Aboveground Storage Tank (AOC 7)
 - Excavation 60 x 40 x 24 ft deep
 - Confirmatory Soil Sampling
 - Clean backfill
 - Off-site disposal

Other DEC Programs & Permits

- **WMPD-SMS Site Visit with PSD, Four Points, Sequent**
 - July 18th progress update on decommissioning
- **WMPD Hazardous Waste Program**
 - Offsite battery shipment as mixed waste (rad/non-rad) – VT DOH informed
- **Watershed Management (WMD) Stormwater Program**
 - Correspondence with H&A about consolidating and terminating permits
- **WMD Rivers Program**
 - June 9th VT DEC site visit with NorthStar. H&A, US ACE to discuss Stream alteration – preparing post intake/discharge structure demolition construction drawings

Other DEC Programs & Permits

- **WMD Direct Discharge**
 - Groundwater pumping limited success – no longer attempting to dewater Turbine Hall basement (NPDES permit)
- **Air Quality & Climate (AQCD)**
 - NorthStar applying for emissions permit to run on-site generators for multiple years