

# Vermont DEC

## Waste Management and Prevention Division

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Vermont Yankee Nuclear Decommissioning  
Citizen Advisory Panel Meeting

DEC Oversight Status

May 4, 2020

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*Vermont DEC*



# Supplemental Site Investigation

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- Report received by DEC on January 31, 2020
- It was submitted by Haley & Aldrich and updated the Initial Site Investigation results
- Additional samples from Areas of Contamination (AOC) identified in the initial site investigation

# Supplemental Site Investigation

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*continued*

- The SSI did not find significant new or unexpected sources of contamination from those previously identified
- The SSI served to refine the knowledge of the degree and extent of contamination previously identified by the Initial Site Investigation
- This will be used in developing Corrective Action Plans for AOCs

# H&A Work

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- Quarterly groundwater monitoring was performed in 2019
  - 4 rounds were completed, some results were reported in the Supplemental Site Investigation report
  - 3 of 4 rounds contained split samples with ATC
  - A groundwater sampling report will be issued at the end of April
  - 1<sup>st</sup> quarter 2020 sampling is planned for May 2020 and will also include split samples with ATC

# H&A Work

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*continued*

- H&A has installed a groundwater interception system that is designed to prevent clean water from infiltrating the Turbine Building basement and then requiring disposal as rad contaminated water.
- H&A submitted permit applications to discharge this groundwater to the CT River through the former cooling tower water discharge system

# Corrective Action Plans

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- Corrective Action Plans were submitted for AOCs #3, #7 and #8 as well as a general CAP to cover expected site corrective actions
  - Site Corrective Action Plan containing general approaches to corrective actions at individual AOCs
  - AOC #3 excavation of ~300 yd<sup>3</sup> contaminated soil from the South Warehouse
    - Used & virgin oil, battery storage, & vehicle maintenance

# Corrective Action Plans

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*continued*

- AOC #7 excavation of ~8 yd<sup>3</sup> stained soil from a 275g above ground fuel oil storage tank at the Shipping and Receiving Building
- AOC #8 excavation of ~30 yd<sup>3</sup> stained soil from the east Cooling Tower transformer pad

# Reviews

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- Supplemental Site Investigation report was reviewed by DEC and ATC (DEC technical support contractor) and comments have been sent to H&A
- ANR Wastewater Program is reviewing the groundwater discharge permit application with input from the VT DoH
  - DoH has developed groundwater testing criteria for ANR to use for the discharge permit

# Reviews

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*continued*

- The Corrective Action Plans were reviewed by the DEC and have been placed on the Environmental Notice Board for public comment
- <https://enb.vermont.gov/>
- Search for 320 Governor Hunt and all corrective action plans as well as discharge and stormwater permits will be listed

# Ongoing Work

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- Asbestos abatement observation occurred at multiple buildings in preparation for demolition. This work continues.
  - A site-wide asbestos review was conducted by ATC and Hillman (NorthStar asbestos contractor)
  - ATC has been on site for spot checks and has not reported significant anomalies
- Pre-demolition building material characterization also is occurring.

# Ongoing Work

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*continued*

- Split sampling of groundwater samples occurs with groundwater sampling by ATC along side H&A
  - Sample results showed low level groundwater contamination in some monitor wells
  - Comparison between the lab used by H&A and ATC showed acceptable precision
  - Minor procedural deviations from the H&A QAPP were initially noted by ATC and were corrected by H&A

# Tech Support Contractor

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*ATC Group Services*

- Continue to provide their evaluations of H&A submitted reports and workplans
- Continue with split sampling as requested by the DEC
- Continue with ongoing asbestos work; comparing reported conditions and evaluations with conditions observed during site visits

# DEC Future Work

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- Continue reviews of work plans, environmental permits, disposal documents, sampling results, corrective action plans, site remediation and anything else submitted by H&A or NorthStar
- Use tech support contractor for
  - Asbestos abatement observation
  - Split sampling
  - Submittal reviews