

Vermont DEC

Waste Management and  
Prevention Division

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Vermont Yankee Nuclear Decommissioning  
Citizen Advisory Panel Meeting

DEC Oversight Status

September 21, 2020

Gerold Noyes

*Vermont DEC WMPD*



# Communications

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- The ANR, DoH, PSB, NorthStar and Haley & Aldrich hold regular teleconferences to discuss site progress, permit status, and review status of submittals
- Public comments are solicited for draft permits and corrective action plans through the Environmental Notice Board.
- NDCAP meetings
- Both NorthStar and the ANR maintain public information websites

# Communications

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*continued*

- The ANR and DoH have participated in 2 site visits (June & September) since the last NDCAP meeting



# Supplemental Site Investigation

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- Report received by DEC on January 31, 2020 from Haley & Aldrich; it updated the Initial Site Investigation
- Additional samples from Areas of Contamination (AOC) identified in the initial site investigation
- The SSI did not find significant new sources of contamination from those previously identified

# Supplemental Site Investigation

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*continued*

- The SSI refined the knowledge of the degree and extent of previously identified contamination.
- It is being used to develop Corrective Action Plans for individual AOCs
- The SSI report was reviewed by DEC and ATC (DEC technical support contractor) and comments were sent to H&A
- The revised SSI report was received from H&A in May and approved in August 2020

# Non-Radiological Groundwater Sampling

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- Quarterly groundwater monitoring was performed in 2019 and will continue
  - 4 rounds were completed 2019, results were reported in the Quarterly Groundwater Sampling Program & Annual Report (also included in the SSI report)
- The annual groundwater sampling report was approved in July 2020 by the ANR
  - The results showed groundwater exceedances near a few AOCs

# Non-Radiological Groundwater Sampling

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*continued*

- No area wide ground water contamination for non-radiological compounds
- Split samples verified results
- 2020 quarterly sampling continues and was performed in May and August 2020 and included split samples with ATC

# H&A Work

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- H&A has submitted a Non-Radiological Data Evaluation Report
  - It evaluates the soil data for risk assessment purposes
- H&A installed a groundwater interception system and submitted permit applications to discharge this to the CT River through the former cooling tower water discharge system
- Naturally occurring uranium was found in the site drinking water well at the MCL. H&A has submitted permit applications for alternate water supply

# 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
  - The site CAP contained general approaches to corrective actions at individual AOCs
  - The CAPs for the AOCs were for excavation and disposal of contaminated soil from the South Warehouse, Shipping and Receiving Building, and East Cooling Tower. Contaminants: used & virgin oil from vehicle maintenance, fuel oil, and transformer cooling oil

# Corrective Action Plans

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*continued*

- The Corrective Action Plans were reviewed by the DEC and placed on the Environmental Notice Board for public comment
- No comments were received, and the plans were approved by the ANR for implementation

# Reviews

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- ANR Wastewater Program is reviewing the groundwater discharge permit application with input from the VT DoH
  - VT DoH developed groundwater testing criteria for ANR to use for the discharge permit
  - Permits are out for public comment
- The ANR and DoH are reviewing the risk assessment report; ATC has also been asked to review this report

# Ongoing Work

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- Asbestos abatement observation occurred at multiple buildings in preparation for demolition. Much of this work has been completed.
- DoH Asbestos inspector completed a site inspection
- ATC was on site and has not reported significant anomalies
- Pre-demolition building material characterization also is occurring.

# Tech Support Contractor

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*ATC Group Services*

- Continue to provide their evaluations of H&A submitted reports and workplans
  - ATC recently was requested to review the H&A Non-Radiological Data Evaluation report
  
- Continue with split sampling as requested by the DEC
  
- Continue with ongoing asbestos work; compare reported conditions with conditions observed during site visits and observe work practices

# DEC Future Work

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- Continue reviews of work plans, environmental permits, disposal documents, sample 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
- Continue with site visits and teleconferences to observe progress