

The logo consists of a green banner with a white border and a slight curve. Inside the banner, the text "SAFELY STORE VY" is written in white, bold, uppercase letters. Below this, the phrase "CONTINUE THE LEGACY" is written in a smaller, white, uppercase font, flanked by two horizontal white lines.

SAFELY STORE VY
— CONTINUE THE LEGACY —

Nuclear Decommissioning Citizens Advisory Panel (NDCAP) Water Management Update

March 24, 2016

A decorative graphic at the bottom of the slide. It features a large, dark blue area on the left that transitions into a lighter blue area on the right. A thin black horizontal line runs across the middle of this graphic.

VY Water Management Update

▶ Water Management Program

- Water Management continues to be an important focus area for ENVY with a comprehensive plan being implemented to reduce groundwater intrusion and dispose of current on-site water inventory in a safe, cost-effective manner.
- ENVY has not intentionally discharged process liquid effluent (water) directly to the Connecticut River since the 1980's.
- The increase in groundwater intrusion since shutdown, while expected, has created water management challenges thus creating the need for temporary storage of water.
- During normal operations of the plant intrusion water was minimal due to evaporation and in-service water processing systems.



VY Water Management Update

▶ Water Management Program

- Water Management team includes industry experts including hydrogeologists familiar with the site and consultants with extensive decommissioning experience.
- Various options have and continue to be evaluated to minimize the intrusion of groundwater into the buildings.
 - Sealing of floor sumps, joints and flaws in the concrete structure
 - Evaluate the feasibility of installing intercept well(s) inside of the Turbine Building to redirect groundwater away from the building



VY Decommissioning Update

The focus of Energy Vermont Yankee (VY) and its Employees continues to be our ongoing commitment to Safety.



▶ Water Management Program

- Water Storage Action Plan
 - All temporary storage pools have been drained and removed.
 - Water is currently stored in either industrial bladders inside of the Turbine Building or metal “frac” tanks outside of the Turbine Building.
 - Groundwater is being shipped to EnergySolutions licensed disposal site in Tennessee.
 - The first shipment (~ 5,000 gallons) was sent the week of February 22nd.
 - A total of approximately 30,000 gallons have been shipped to date.
 - Plan to ship between 10,000 and 20,000 gallons or 2-4 shipments per week.
 - In addition to the disposal of groundwater, focus will shift to process water.
- Process water is the water previously used in the plant systems during the operation of Vermont Yankee.
- Process water is stored in the torus and various systems still in use at the plant.
- Approximately 10,000 gallons of process water has been shipped to date.

VY Decommissioning Update

The focus of Entergy Vermont Yankee (VY) and its Employees continues to be our ongoing commitment to Safety.

▶ Water Management Program

- There is no health or safety impact to the public or our employees.
- Shipment of water includes Emergency Response measures which will be discussed by EnergySolutions.
- Safe and efficient use of decommissioning funds allows Entergy to meet our commitment for full decommissioning of the facility at the earliest possible date.
- Long term goal is to manage the rate of groundwater intrusion and dispose of process water in the safest, regulatory compliant and most economic method(s).



Questions?



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