



SAFELY STORE VY
— CONTINUE THE LEGACY —

**Nuclear Decommissioning Citizens Advisory Panel
(NDCAP)
Water Management Update**

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VY Water Management Update

▶ Water Management Program

- Ground water intrusion anticipated in decommission plan, but not the volumes experiencing since shut down
- Effective, cost-efficient water management is a priority and continues to be an important focus area for ENVY
- Comprehensive plan being implemented
 - Remove intrusion water storage from site
 - Substantially reduce in-leakage

VY Water Management Update

▶ Water Management Team

- Industry experts including:
 - Hydro-geologists familiar with the site and
 - Consultants with extensive decommissioning and water management experience.
 - EnergySolutions providing water removal and disposal services
 - VY Site Leadership, management team & subject matter experts
- This team has worked collaboratively to recommend and implement solutions to reduce intrusion water and efficiently store water prior to disposition
- Various options have and continue to be evaluated to minimize the intrusion of groundwater into the buildings.
 - Sealing of floor sumps, building construction joints and flaws in the concrete structure
 - Evaluating the feasibility of installing intercept well(s) inside of the Turbine Building to redirect groundwater away from the building
 - Water shipments to reduce intrusion water accumulation on site

VY Water Management Update



▶ Water Management Program

- Intrusion Water Storage Action Plan
 - All temporary storage pools have been drained and removed.
 - Water is currently stored in one metal “frac” tank outside of the Turbine Building.
 - Groundwater is being shipped to EnergySolutions licensed disposal site in Tennessee.
 - The first shipments started the week of February 22nd.
 - Currently 1 shipment is planned for each week. An extra shipment will occur occasionally to keep inventory less than 1 frac tank.
 - In-leakage prevention projects in-progress which is intended to further reduce intrusion rates.
- EnergySolutions is providing shipment and disposal services
- An additional disposal option is anticipated later this year with NRC approval of an alternate disposal site in Idaho.

VY Water Management Update

Closing remarks:

Security, health & safety of the public or our employees

Financial stewards of the decommissioning funds

Manage the rate of groundwater intrusion and dispose of process and intrusion water in the safest, regulatory compliant and most economic method(s).

Questions?

