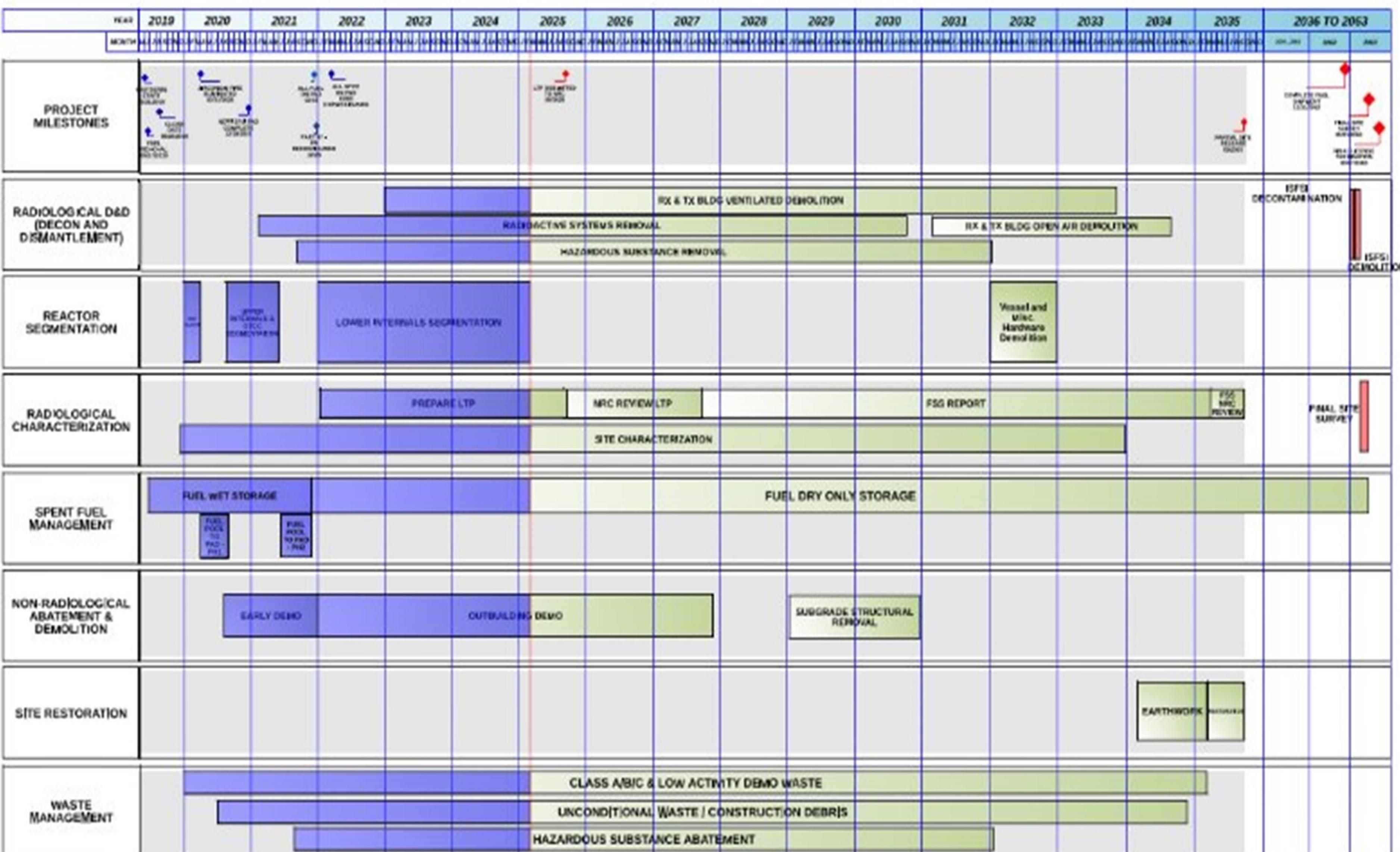


# Pilgrim NDCAP Update



**March 24, 2025**

## Pilgrim Decommissioning - Waterfall Chart



### Augmented Offgas Building

- Removal of remaining Asbestos Containing Material piping and ductwork-Completed
- Completion of equipment removal – March 2025

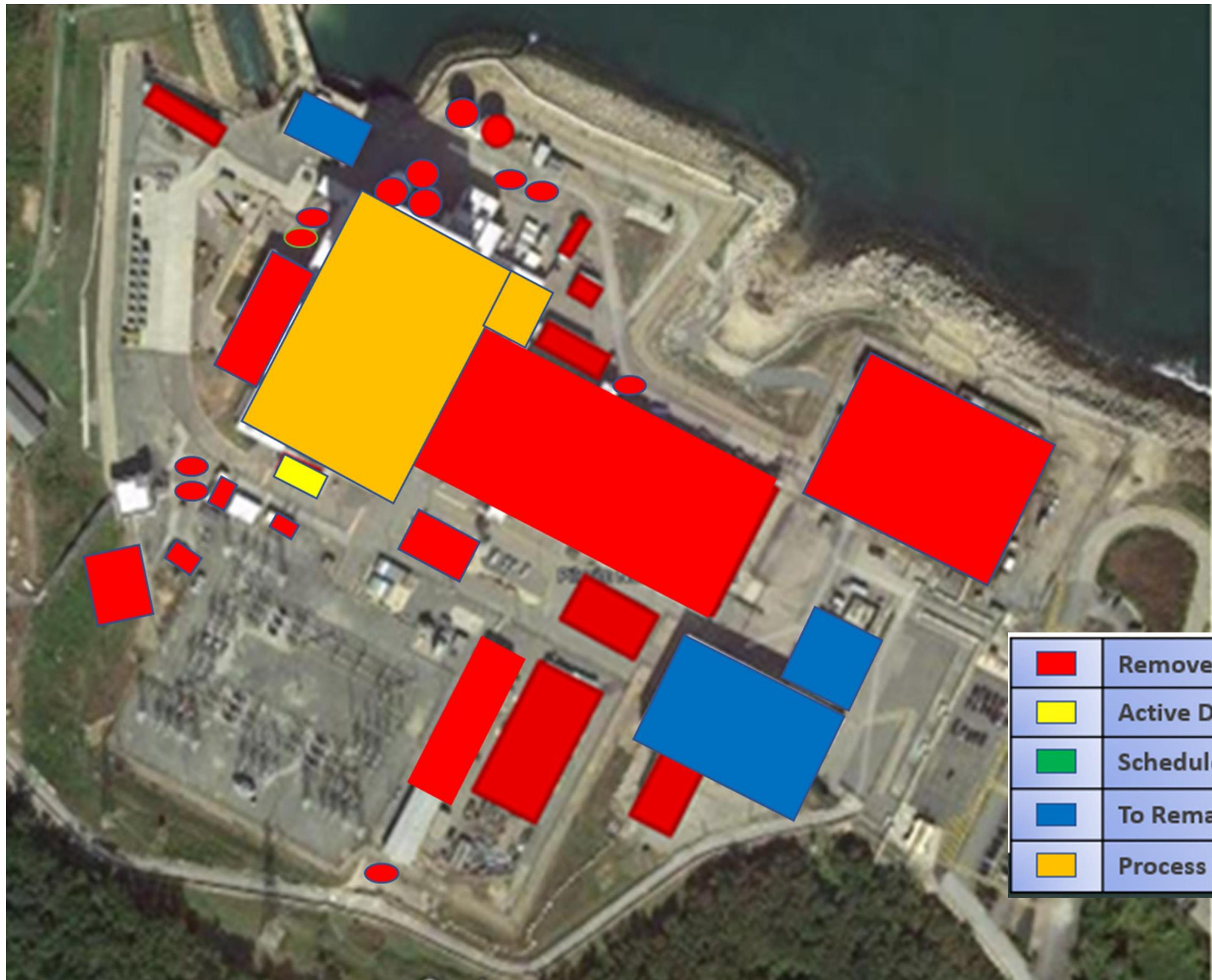
### Combined Intermediate Valves

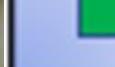
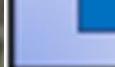
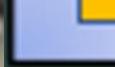
- Abatement Plan Submission to Department of Environmental Protection – April 2025

### Gland Seal Condenser

- Abatement Plan Submission to Department of Environmental Protection – March 2025





	<b>Removed</b>
	<b>Active Demolition</b>
	<b>Scheduled for demo</b>
	<b>To Remain</b>
	<b>Process Buildings</b>



# Massachusetts Contingency Plan Actions

Phase II Comprehensive Site Assessment Report and Risk Characterization due April 2025

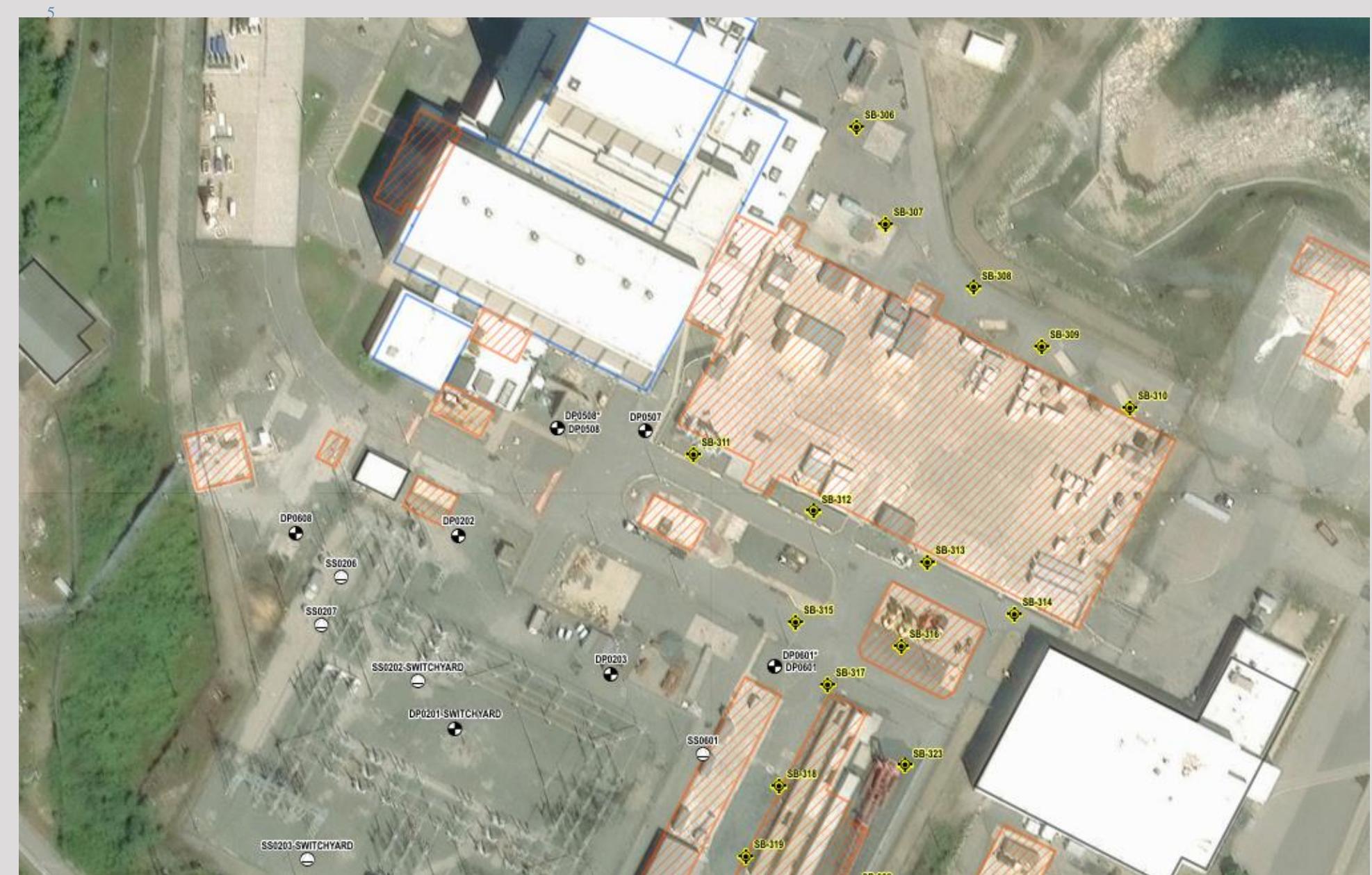
- Investigative Plan design by Licensed Site Professional

## Phase II Objectives

- Define the source, nature, and extent of constituents of concern
- Report on additional investigations performed
- Risk characterization



14 additional monitoring wells in PERA-3 (non-industrial) area



17 soil borings in the Industrial Area

# Onsite Water Volume Update

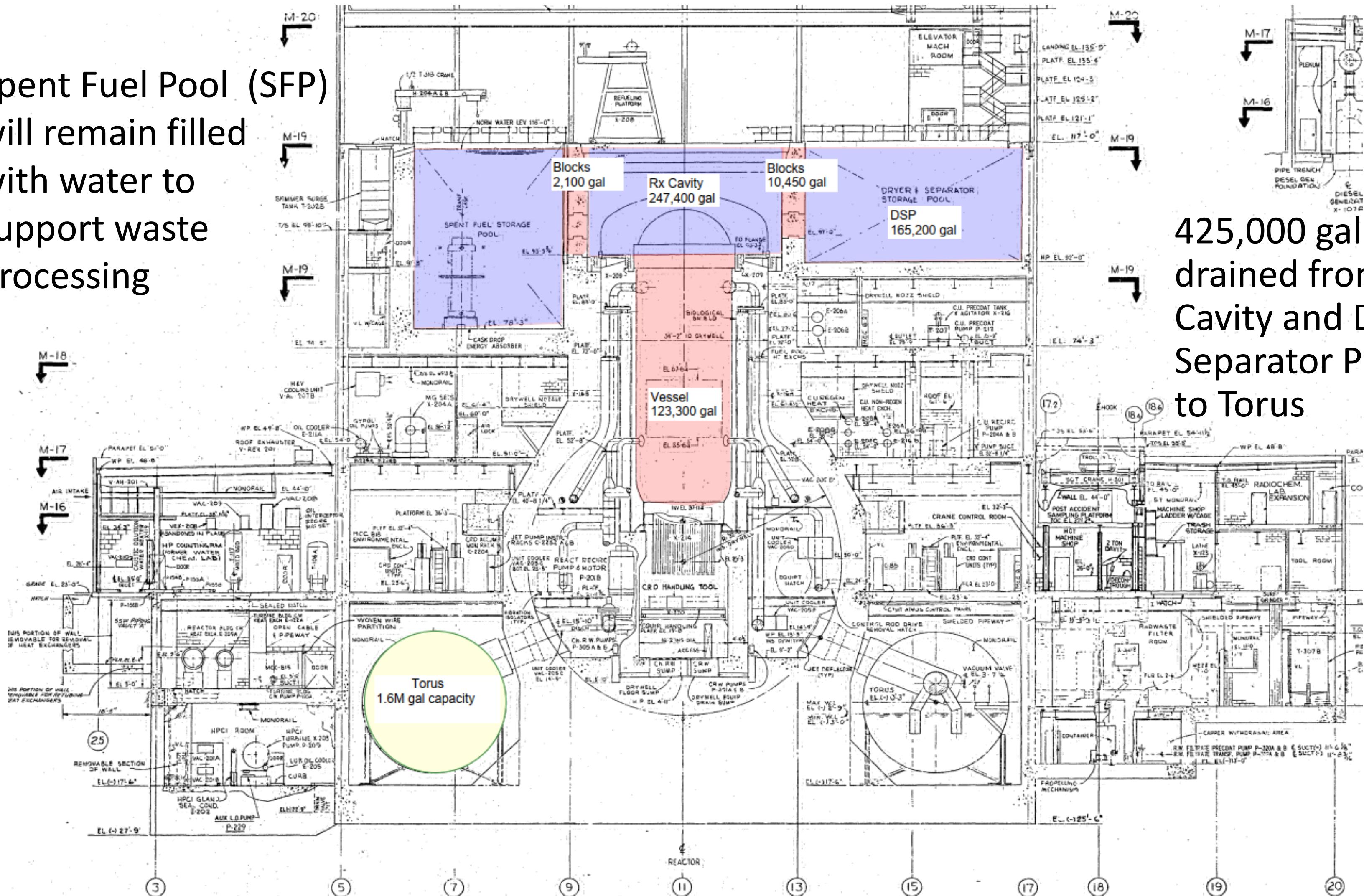


- Water volume onsite effective 3/20/25  $\approx$  844,037 gallons
- Heaters in Spent Fuel Pool and Reactor Cavity de-energized 3/18/25, no longer required for building and refueling floor heating this season
- Plan to drain the reactor cavity and dryer separator pit to torus in April

# Reactor Cavity Drain Down



Spent Fuel Pool (SFP)  
will remain filled  
with water to  
support waste  
processing



425,000 gallons  
drained from Rx  
Cavity and Dryer  
Separator Pit (DSP)  
to Torus

# Regulatory Update



- NRC Violation of Security Requirements details of which were considered to be Security Sensitive
  - Took place in January 2020
  - NRC credited that condition was self-identified and corrective actions had already been taken
- NRC Violation of low safety significance when a tear was identified in a shipping package sent from Pilgrim to Oyster Creek. There was no release of radioactive material to the environment
- NRC exercised enforcement discretion for discrepancies identified during the extent of condition review for decommissioning trust fund expenditures

# Site Source Term Reduction



Rounded values for radioactive materials shipped for disposal

Calendar Year	Volume (CF)	Activity (Ci)
2019*	11,300	225
2020	8,410	7
2021	61,100	870
2022	87,100	383
2023	71,159	329
2024	39,941	96
2025	10,364	86
2019-2024 (to date) Totals	289,374	1,996



\*Includes a small quantity of waste shipped during the last operating cycle

# Solid Radioactive Waste Shipments



- Used for Class B and some Class A wastes
- 100% Stainless steel construction inside and out.
- Cask stands 11-feet high, 8.5-feet in diameter.
- Accommodates containers of resins & filters up to 160 cubic feet and 15,000 lbs.