



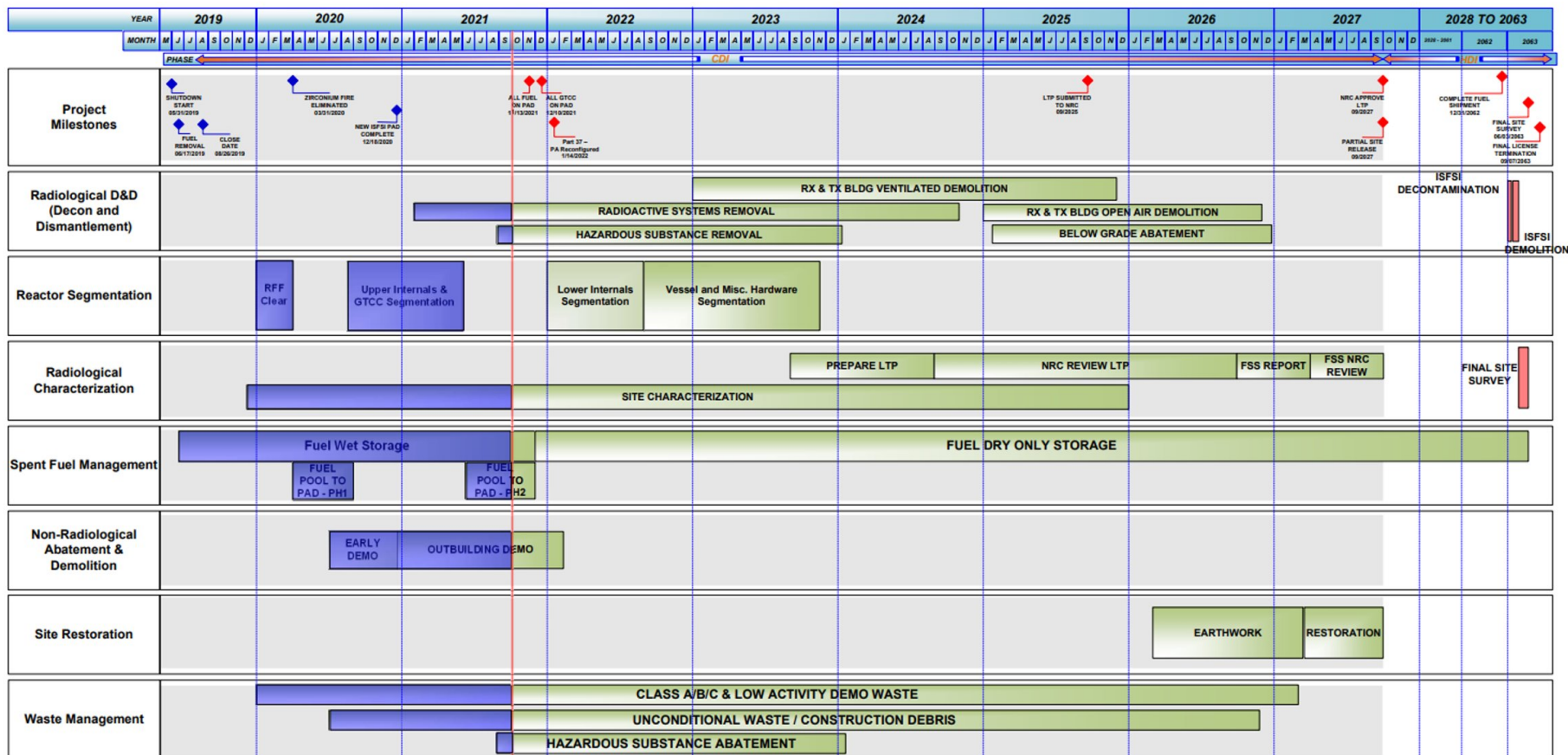
## Pilgrim NDCAP Update November 22, 2021



# Timeline

Planning Purposes Only

## Pilgrim Decommissioning – Waterfall Chart (INTERNAL)



# Fuel Campaign





# Fuel Campaign

- Cask 31 of 34 completed for this campaign, 59 of 62 total casks loaded
- Cask loading will resume after the Thanksgiving Holiday
- 47 Casks have been transported to the upper ISFSI pad
- Fuel Campaign On-Track to be Completed by December 10, all HI-STORM 100 systems on site
- Greater-than-Class C Non-fuel Waste Containers (3) on Schedule, to Follow Fuel Campaign



# Demolition and Segmentation



## Out Building Demolition Planning (Projected Demolition)

### FFD/Medical Building

- Abatement - Started 11/19
- Building Demolition – 12/8/21

### O&M Building

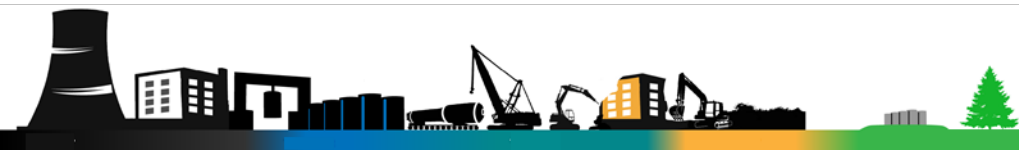
- Abatement – 12/1/21
- Demolition - 12/15/21 in parallel with warehouse

### Old Exec Admin Building

- Abatement - 1/7/22
- Building Demolition – 2/4/22

### Two-Story Butler Building

- Abatement – 1/21/22



# Segmentation

## Complete

- Shield Blocks and Drywell head
- CRDM removal
- Steam Dryer & Separator
- Feedwater spargers & Core spray piping
- Shroud repair assembly
- Top Guide (GTCC) – Staged for NFWC loading
- Upper Core Shroud Ring (B/C)
- Mid Core Shroud Ring (GTCC) – Staged for NFWC loading
- Characterization of Fuel Support Castings

## In Vessel

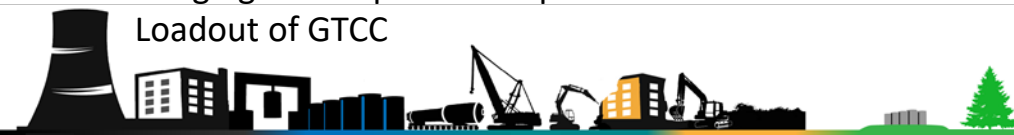
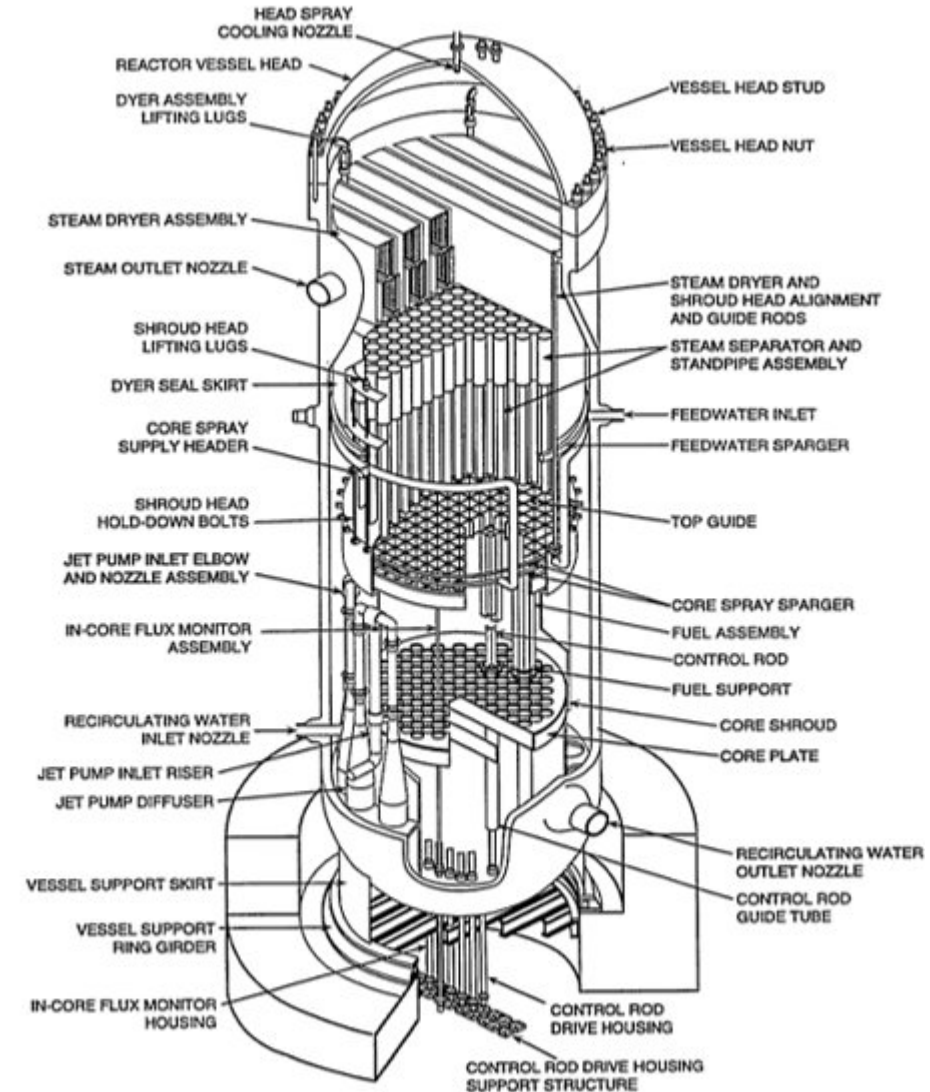
- \* Thermal Sleeve removal (GE developing tooling)
- Instrument Dry Tube removal & plug installation
- Lower Core Plate vacuuming (In Process)

## Dryer Separator Pit (DSP) Activity

- Crush 154 Riser tubes
- Currently 95/ 154 completed. 5 B/C boxes to 2
- Evaluating Crusher performance with GE

## Spent Fuel Pool racks

- Packaging and disposal transport –after  
Loadout of GTCC





## Radioactive Waste Shipments - Planned

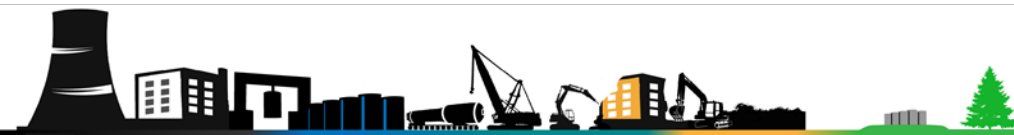
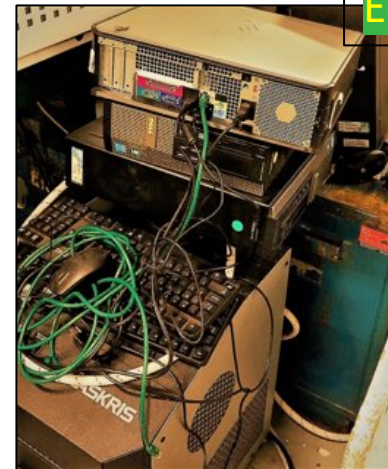
- D & D Dry Active Waste – Low Activity rad waste – 8 x Seavans in rail transit to WCS **COMPLETE**
  - Includes the use of flexible packaging for truck and rail use.
  - Use of 20' and 40' Seavans on railroad flat cars
- Rx bldg. concrete shield blocks Rail shipment – off loaded at WCS **COMPLETE**
  - Shipments to rail for removal of remaining shield blocks – **COMPLETE**
- Class B Resin shipment –Delivered to WCS -- Notifications for RAMQC shipment **COMPLETE**
- Class A Filter shipment(s) - planned for Q4-2021& Q1-2022
- Class A Reactor Segmentation shipments – Q1 2022
- Spent Fuel Pool hardware clean out planning Q3/4 2021
- Update shipment notification points of contact **COMPLETE**
- Tx LLRWD Compact Import Agreement Revision **COMPLETE**

## Facility – WCS, Texas – To Date (2021)

- 10 x Type A container Rx Seg shipments (Class A waste) disposed
- 14 x DAW shipments (28 x 20' C Vans) disposed
- 49 x concrete shield blocks (9 x ~105-ton capacity gondolas)
- 3 x DAW with asbestos containing material ( 3 x 40' C Vans)

Month	Weight ,lbs	Disposal, ft3
January	27,855	2,655
February	51,434	3,711
March	427,208	3,393
April	623,431	4,735
May	181,242	11,189
June	75,780	5,683
July	65,180	5,828
August	561,910	6,522
Sept	77,850	4,831
YTD	2,091,887	48,543

## E-Waste Reduction





# Environmental



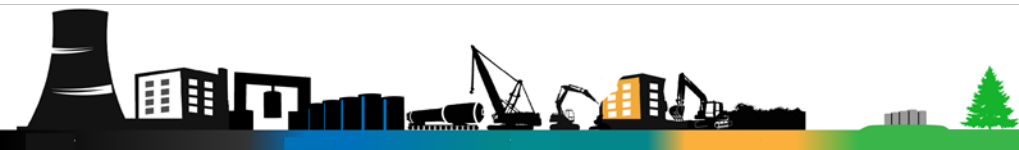
On November 9, a violation of the facility's National Pollutant Discharge Elimination System (NPDES) Permit was reported to USEPA and MassDEP. The violation involved the pumping of approximately 7,250 gallons of rain and groundwater from an underground cable vault to an adjacent storm sewer. A corresponding report was made to the USNRC due to the environmental report made to a government agency.

The water was non-radiological and no visible sheen or odor were noted. Laboratory analysis is being performed to determine the presence of any pollutants. A causal analysis is being performed to determine what process or performance issues contributed to the event.

Event was self-identified and was captured & placed in our corrective action process.



# Site Characterization



# Site Characterization Activities Update

## PHASE II

- Sampling / Analysis Q4, 2021
  - Radiological
    - Draft Report received
    - Review in progress
  - Non-Radiological
    - All well drilling, development and sampling complete
    - Final Phase II Characterization Plan Report Q4, 2021

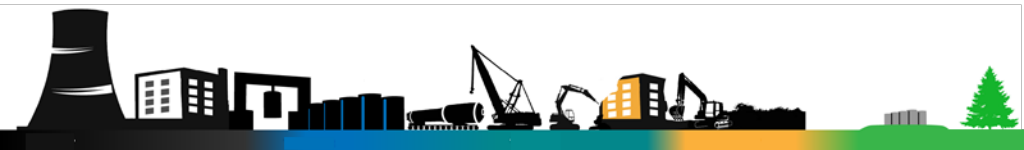
## PHASE 1A

- Sampling / Analysis Q4, 2021
  - Radiological – None
  - Non-Radiological
    - All well drilling complete
    - Well development 80% complete
    - All sampling complete





# Staffing



## Staffing Reduction Planned for January 6, 2022

- Held a job fair Tuesday, November 16
- Worked with local employers to identify opportunities for those leaving the site
  - Clean Harbors
  - Plymouth County Sheriff's Office
  - TSA Recruitment
  - Plymouth Area Chamber of Commerce (representing 750 local businesses)
  - Eversource
  - BHI Energy
  - Williams Plant Services

