Pilgrim NDCAP Update

May 23, 2022
Draft Waterfall Chart
Reactor Segmentation and Refuel Floor Work

- Five (5) Spent Fuel Pool Racks have been removed, pressure washed, packaged and shipped – N1-N5
- Nine (9) racks remain to remove and ship

- N4 Fuel Rack removed from pool after pressure washing
- N4 Rack placed into containment bag
- N4 Rack Shipping bag placed over containment bag
- N2 Rack being upended prior to shipment
Reactor Segmentation and Refuel Floor Work cont.

- Tri-nuke filters generated during vessel segmentation being processed for disposal
- 600 filters have been packaged and 480 have been shipped; the carousel at right holds 120 filters for disposal
Demolition

- Upcoming demolition
  - Trash Compaction Facility
  - Executive Administration building
  - Two-story Butler Building
- Bid awarded this week to vendor
- Worked to commence in July
Demolition

- Underground storage tank removal
  - 6 of 8 will be removed in June (Blue)
  - 2 remaining are heating fuel for the boiler systems of turbine and reactor buildings
Demolition cont.

- More than 50% of outbuilding square footage has been demolished (Red)

- 2022 Demo upcoming (Blue)
  - Two-story Butler Building
  - Old Admin
  - TCF
Site Characterization

- Industrial Area (Parcel 1B) submitted the Phase 1 Report, Tier Classification Document, and Phase 2 Scope
- Non-Industrial Licensed Property (Parcels 1A, 2, 6-525) made the 120 day reports to MassDEP for non-radiological Oil and Hazardous Materials slightly above reportability thresholds. Reports included sample results where the accuracy was above the reportable concentration. These are being resampled using more accurate methods
Regulatory Affairs

- Submitted Annual Radiological Reports for calendar 2021:
  - Annual Radioactive Effluent Release Report – Quantities of radioactive isotopes released in liquid and gaseous releases for the calendar year
  - Annual Radiological Environmental Operating Report- Measurement of radioactive materials found in the environment surrounding the facility

- ISFSI Visually Obstructive Plantings
  - WWTF Leach Field modification permitting approved
  - Work commences 5/30/22
Pilgrim Update - Waste Management

Radioactive Waste Shipments – Completed in 2022 thru May 17
- 1 x CRDM Filter Shielded Container (Class C) Part 37 source reduction
- 14 x DAW shipments (20 x 20’ C Vans)
- 3 x DAW shipment (6 blade guide boxes)
- 4 x Trinuke filter (120 filters each) Type A cask shipments
- 5 x Spent fuel racks shipments

Total Disposal in 2022
Class A 26,500 ft³: Class B/C 62 ft³

Radioactive Waste Shipments - Planned 2022
- Dry Active Wastes (DAW)
- Reactor Vessel Internals - Type A containers
- Spent Resins & Tri Nuke Filters in Cask Shipments
- 9 more Spent Fuel Racks
- Building Demolition Debris