

Pilgrim NDCAP Update



July 25, 2022

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Draft Waterfall Chart





					1	09/07/2
					FINAL SIT	E
				COMPLE SHIPI 12/31	COMPLETE FUEL SHIPMENT 12/31/2062	
2025	2026		2027	20	28 TO 206	3
				N 0 300.001	2002	ana
NRC REVIEW LTP		FSS	FSS NRC REVIEW			
		NEI ONT	NC NEW			
ONLY STORAGE						
				_		
				_		
		7 3				
	SITE	ERESTORAT	TION			

Demolition

- **Two-Story Butler Building**
- Disposition Survey Complete
- Abatement Complete
- Interior Demolition 7/14-7/28
- Structural Demolition 8/1 8/12
- Admin Exec
- Disposition Survey 7/22
- Interior Demolition -8/1-8/15
- Abatement 8/8-8/22
- Structural Demolition 8/22 9/20
- **Trash Compaction Facility**
- Disposition Survey & Decon 8/19
- ACM Free
- Interior Demolition 8/22-9/1
- Structural Demolition 9/2-10/3









Demolition

Underground storage tank removal

- 6 of 8 Removed
- Consolidation effort complete
- Removal began Early July







Demolition - Tanks









Demolition cont.

- More than 50% of outbuilding square footage has been demolished (Red)
- 2022 Demo upcoming (Blue)





Fuel Pool Rack Removal

- 13 Of 14 Racks Have Been Removed From The Pool: N1, N2 N3, N4, N5, E1, E2, E3, E4, E5, E6 E7, E9
- 9 of the 13 Have Been Shipped





Fuel Pool Rack Removal

- E9 Fuel Rack removed from pool after pressure washing and vaccuming
- E9 Rack placed into containment bag







Site Characterization

Ongoing Radiological Characterization

- Setup of concrete characterization of existing abandoned slabs
- Sampling of below grade material during storage tank removals

Ongoing Non-Radiological Characterization - Amended Phase 1A and 2 Mass. Contingency Program Report utilizing data from more accurate sampling & analysis methods



Regulatory Affairs

Leeching Pit Removal Complete, Plantings per AG Agreement Installed





Pilgrim Update-Waste Management

- Radioactive Waste Shipments Completed in 2022 thru July 15 Total Disposal in 2022 Class A ~50,000 ft3 Class B/C 62ft3
- 1 x CRDM Filter Shielded Container (Class C) Part 37 source reduction
- 16 x DAW shipments (24 x 20' C Vans) •
- Dry well head (24 segments) packaged and shipped in 4 CVans (Complete)
- 3 x DAW shipment (6 blade guide boxes) (Complete) \bullet
- 7 x Trinuke filter (120 filters each) Type A cask shipments \bullet
- 9 x Spent fuel racks shipments with 4 shipped June24-28th (9/14 Complete)
- Radioactive Waste Shipments Planned 2022
 - Dry Active Wastes (DAW) lacksquare
 - **Reactor Vessel Internals Type A containers** \bullet
 - Spent Resins & Tri Nuke Filters in Cask Shipments lacksquare
 - Spent Fuel Racks August •
 - **Building Demolition Debris** lacksquare



















Pilgrim Water Origins and Basic Operational Quality Standards





Most Recent Water Quality*







Comparisons of Basic Indicators of Water Quality

Parameter	Torus*	Dryer Separator Pit / Reactor Cavity*	Spent Fuel Pool*	Treated Water Tank	Plymouth Town Water
рН	7.61	6.72	7.22		8.89
Conductivity (µS/cm)	352	17.0	39.2	1	239
Boron (ppb)	162	22.7	20.4	10	20.4
Chloride (ppb)	89,600	1,680	4,270	10	220,000
TOC (ppb)	273	101	96.2	200	1,091
Nitrate (ppb)				30 (post UV)	2,210
Sulfate (ppb)				10 (post UV)	7,700

* Not representative of post-treatment expectations

