

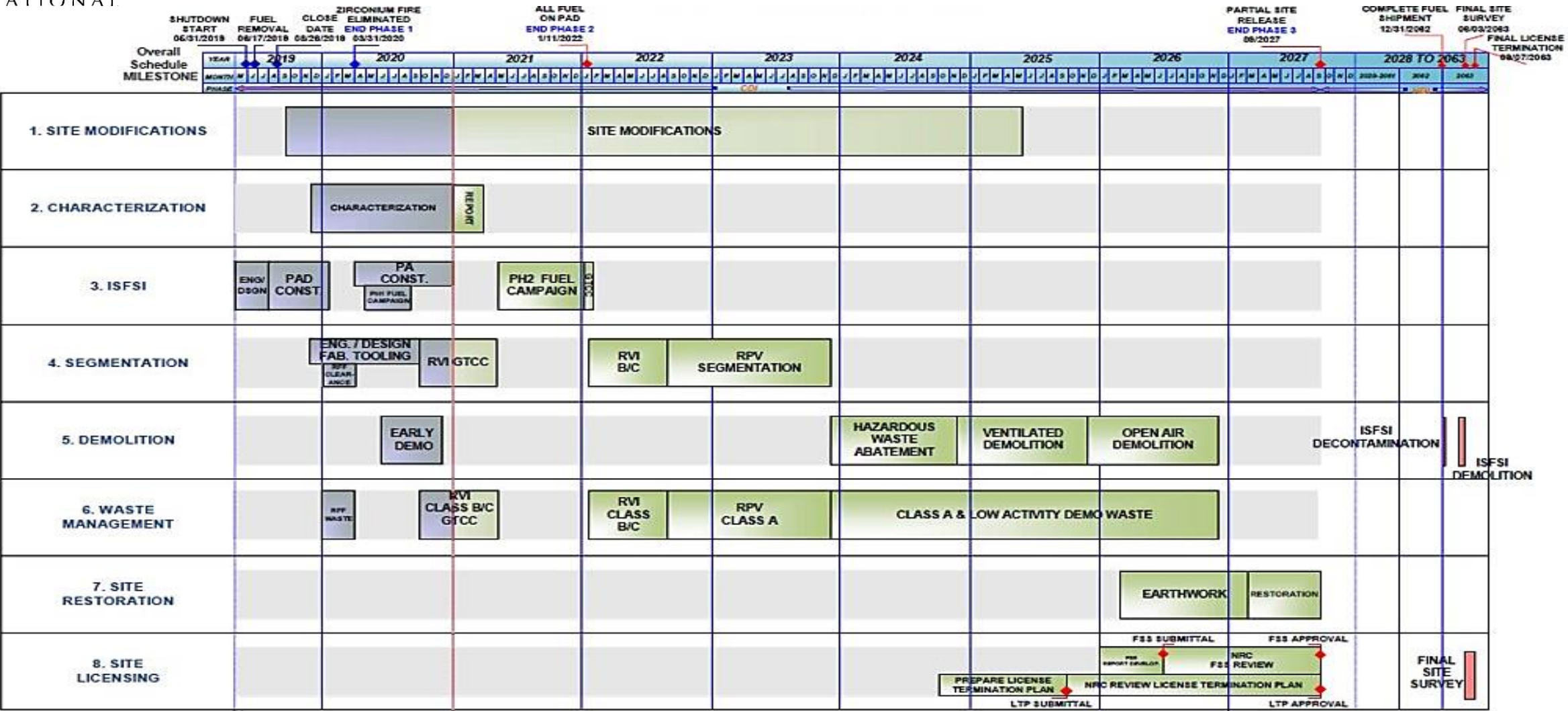


## Pilgrim NDCAP Update

January 25, 2021



DRAFT PILGRIM WATERFALL SCHEDULE FOR PLANNING PURPOSES

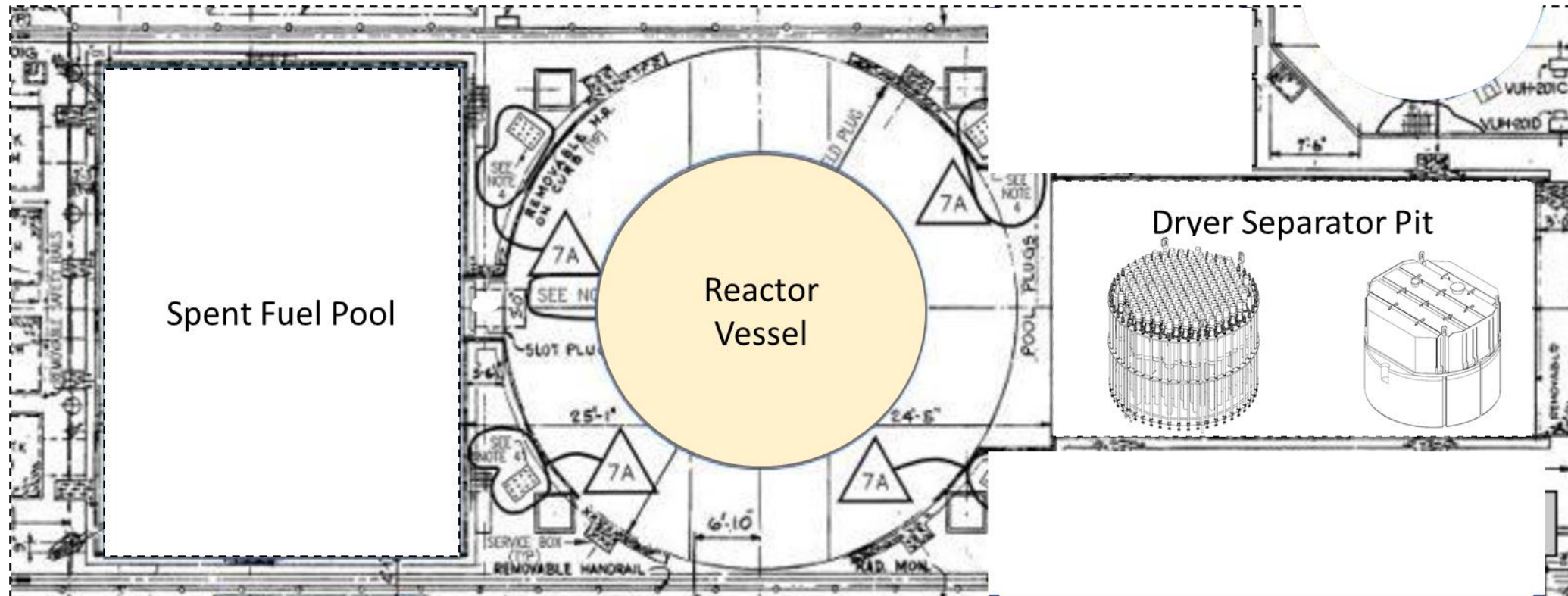




# Reactor Vessel Internals Segmentation

Steam Dryer Segmentation – Completed in December

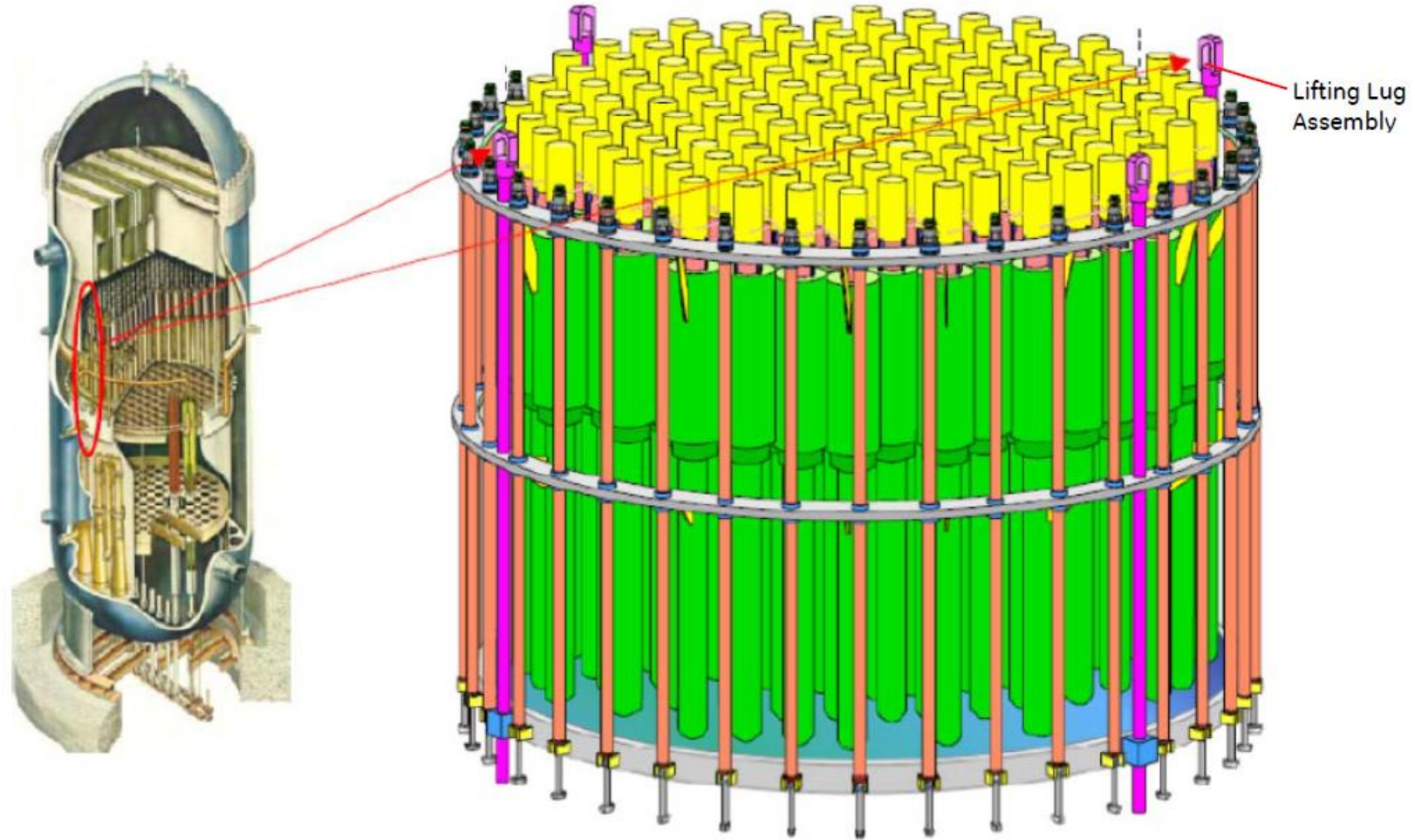
Steam Separator – In Progress (commenced January 7)



# Reactor Vessel Internals Segmentation

Dryer = 54,000 LBS

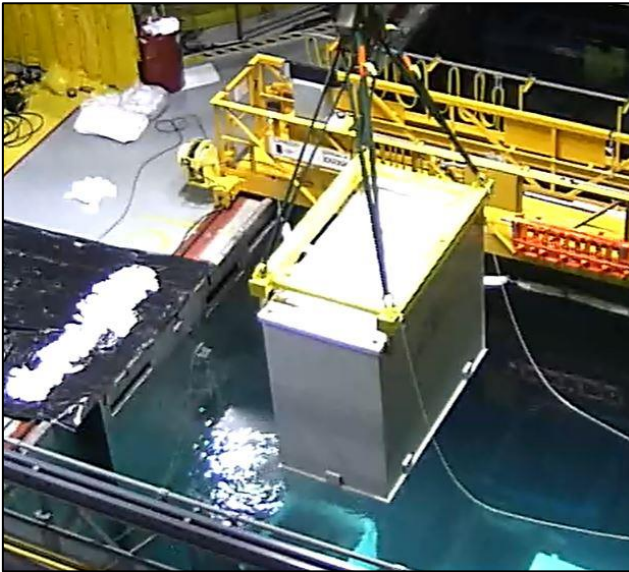
Separator = 96,000 LBS





# Reactor Vessel Internals Segmentation

- Top Guide (GTCC) – Scheduled for Segmentation
- First four Class A Waste boxes containing Steam Dryer segments shipped to WCS in Texas on January 15 & 16
- Continue Class A Waste box shipments through Q1 and Q2



## B/C Waste Staging Area



- Demolished S-110 Butler Building Location
- Reactor Vessel Internals Class B/C Waste Staging Area ready to receive containers
- Initial Staging begins February 2021





## New ISFSI Work and Dry Fuel Campaign

- ISFSI Construction Complete & Turned Over
- Vehicle Barrier System Complete
- 34 Fuel Casks to be loaded for Final Fuel Campaign
- Fuel loading to Begin in Spring 2021
- Shared plan for removal of 12 Soil Absorption Systems to enhance ability for added plantings with DEP



# Planned Outbuilding & Tank Demolition - 2021

## Exterior Storage Tank Demolitions

- Fire Water Storage Tank (1 of 2) – Q1 2021
- Demin Tank (1 of 1) - Q1 2021
- Condensate Storage Tank (2 of 2) - Q2 2021

## Condenser Bay

- Start Internal Demolition – Q2 2021

## Hydraulic Control Unit removal from Reactor Building

- Removal plan and Tagging - Complete
- East side HCU removal scheduled to be complete by 01/31

## Access Control Building

- Relocate people and equipment – in progress
- Reconnect systems – in progress
- Demolish – February

## Rigging Loft

- Empty out – complete
- Surveys – complete
- Gapping - complete
- Demolish – February

## Old Exec Admin Building

- Empty out – in progress
- Engineering Structural analysis – in progress
- Internal Demolition – Q1 2021
- External Demolition – Q2 2021



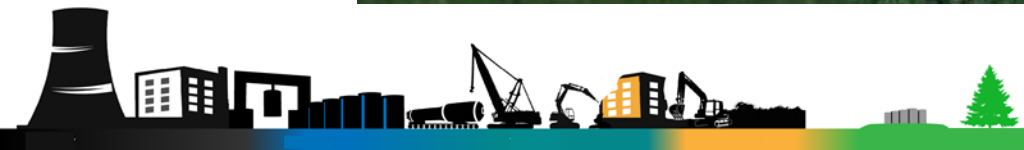


## Site Characterization Update

Mark Lawson, Radiological Protection Manager  
John Drobinski, Licensed Site Professional - ERM  
Matt Daly, Technical Director - ERM



# Phase 1 Zone Characterization Sampling Map





# Status

1. Worked with State to provide additional information in order to fulfill requirements of ESA Work Plan (bi-weekly meetings)
2. State has reviewed and commented on additional information being provided
3. Site characterization execution (Phase I, industrial portion) is field complete
4. All external lab results received by January 26, 2021
5. Site Characterization Report summarizing activities and results due March
6. Amended ESA Work Plan May 31, 2021

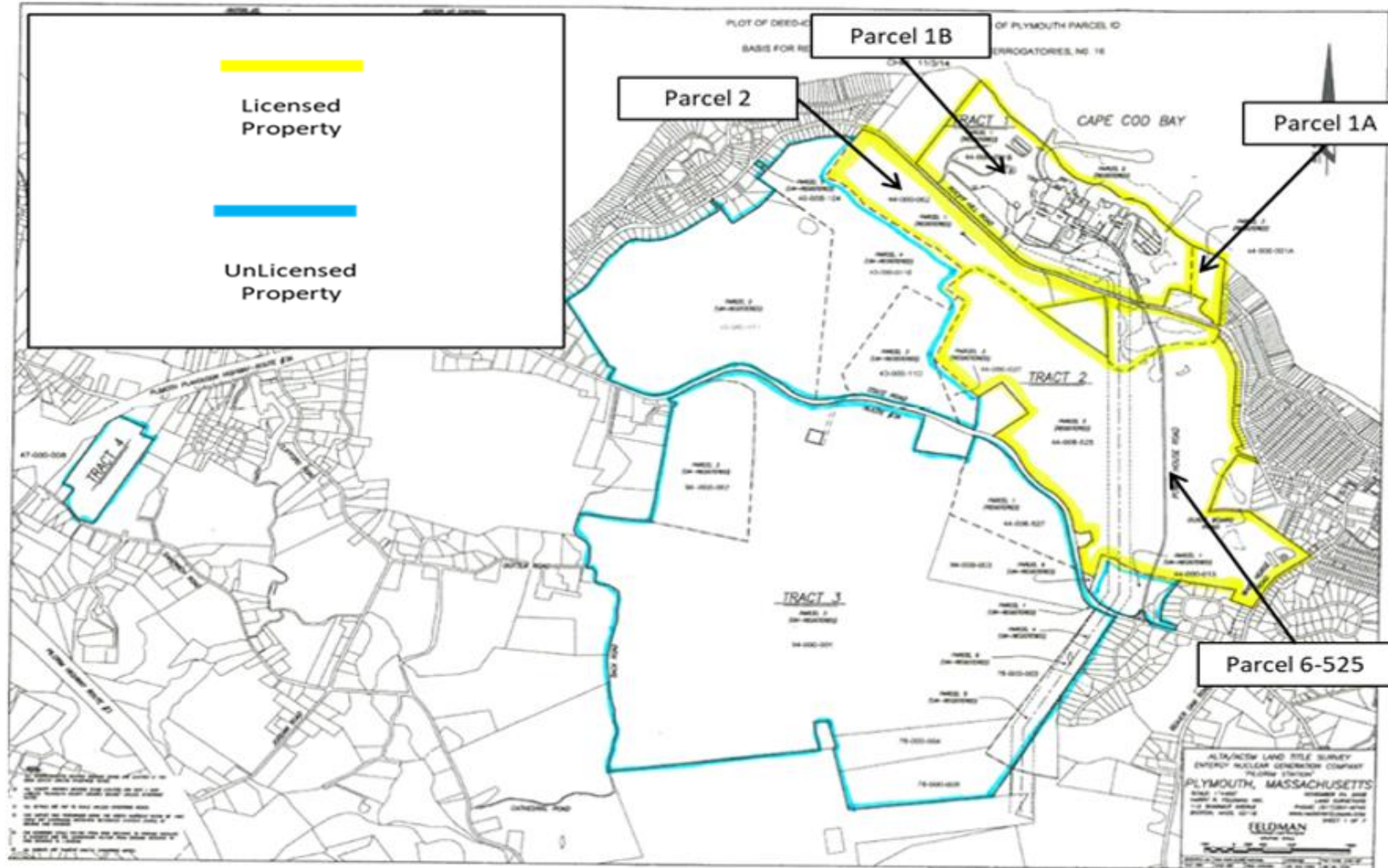


1. Fixed-point measurements, scans, smears and samples were taken on/in the PNPS structures as identified in the corresponding SAPs
2. Gamma scans and volumetric sampling was performed in the PNPS open land areas as identified in the corresponding SAPs
3. Processed more than 1,450 field characterization volumetric, smears and direct measurements
4. Collected an additional 250 soil samples and placed into radiological archives for future potential analysis as a proactive measure to bound areas of investigation if required following completion of data quality assessment
5. Submitted approximately 409 non-radiological samples for laboratory analysis, along with QA/QC Samples
6. Completed 51 soil boring locations, collecting analytical samples and logging soils, as well as 30 surface soil samples
7. Collected groundwater samples from 15 wells and 19 geoprobe borings
8. Collected 251 building characterization samples
9. QA split samples were prepared and shipped to the off-site laboratory (GEL) for analysis





# Path Forward



# Path Forward

1. Phase II implementation planning has begun
2. HSA amendment Q1 2021
3. Field implementation March / April
4. Final Report May 2021





# Questions / Comments

