Vermont Yankee: GE Boiling Water Reactor with Mark I Containment
Power – 620MWe

Facility Size:
Vermont Yankee Site property is ~ 140 acres
- Original Operating Protected Area = 12 acres
- Interim Spent Fuel Storage Installation (ISFSI) total area ~ 6 acres
  - ISFSI Protected Area 1.3 acres
Early Superstructure Demo Opportunities

VERMONT YANKEE DECOMMISSIONING SITE PLAN

- COB Bldg – Demo Complete 2019
- Cooling Tower 1 – Demo Complete 2019
- AOG Bldg – Demo Planned 2020
- Warehouse – Demo Planned 2020
Simple Priorities

SAFETY with all we do: Target Zero (accidents)

Radiological Safety – As Low As Reasonably Achievable (ALARA)
Industrial Safety
Environmental Safety

Do it right. Do it safe.

RADIOLOGICAL ALARA METRICS 2019
• Planned Goal to end of 2019 78.734 person Rem/year
• 2019 Actual as of 9–25–19 35.092 person Rem
• Adjusted 2019 Goal 42.642 person Rem/year

SAFETY METRICS
• Manhours to date – 185,261 manhours
• Reportable – 1 from Subcontractor

ENVIRONMENTAL
• NO unplanned releases
## Project Schedule –19 & 20 Overview

### Schedule:
- **Critical Path 2019**
  - **Large Component**
    - RVI/RV Segmentation – 2019 to 2020 (ORANO Critical Path)
    - Large Components – 2019 – 2022
      - 2019 – Turbine component (concurrent NS Critical Path)

### Table: Project Schedule

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<tr>
<th>Activity</th>
<th>2019</th>
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Planned:  
Actual:
RB Preparations for RV1/RV2
Segmentation—Dryer Beam, Gun Barrel, BioShields, Insulation Packages, Drywell head; and finally Fuel Racks and SFP cleanup.
Empty Spent Fuel Pool
2019 Legacy Waste, large component Turbine demo and Turbine Bldg prep

Turbine Building—large component turbine, prep of TB – abatement and component removal
2019 Infrastructure Upgrade for D&D

- Refurbish rail line and install of new spur and side rail to support shipping and improve efficiency/safety

- D&D Temporary Covered structure erected for facilitation of Waste Processing and Rail loading operations
2019 Schedule Targets - Building and Structure Demolition

- Demolition of legacy Construction Office Building
- Demolition of Cooling Towers
ORANO Segmentation of Reactor and Internals

: Reactor Head
: Steam Dryer
  Next up
  : Reactor studs
  : Underwater setup
  : Steam Separator Cyclones
ORANO - Custom Boxes and Rad Waste Containers

Custom Box A – w Reactor Head for WCS MCC in Texas

RWC ready to load, temp storage HTS onsite, MP197HB transport cask, and placement in WCS MCC in Texas
Waste Shipped to Texas

Most waste has qualified for disposal at the RCRA, Low Activity Waste Cell

- 56,029 cubic feet
- Spent Fuel Racks
- Components from the Spent Fuel Pool
- Large Turbine Components
- DAW – conventional trash – protective clothing, rags, bags
- Insulation – Asbestos Containing and Non Asbestos

Compact Waste Facility

- One liner of Class A waste
- One Custom Box – Reactor Vessel Head Class A