Holtec Decommissioning International

Holtec Decommissioning International (HDI) Headquarters:
Krishna P. Singh Technology Campus
Located in Camden, New Jersey, U.S.A

Oyster Creek Nuclear Generating Station

- Ceased Generation and Shutdown – 2018
- NRC License transferred to HDI – 2019
- All fuel on ISFSI Pad – 2021
- In-Vessel Segmentation complete – 2023
- License Termination Plan submittal submitted – 2024
- Reactor Pressure Vessel Removal expected – 2028
- Partial Site Release expected – 2029
- License Termination – 2035

Former single unit BWR, 636 MWe
Lacey Township, New Jersey

Oyster Creek Nuclear Generating Station

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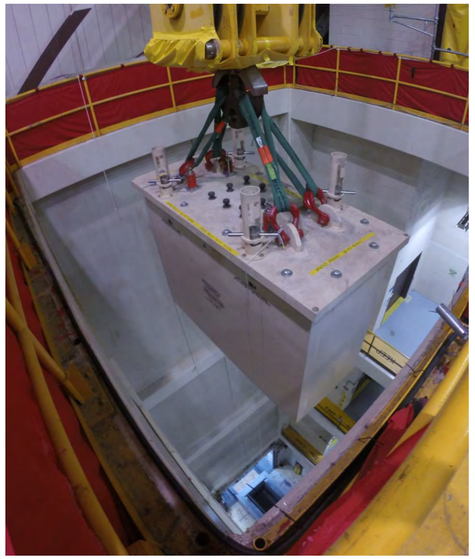

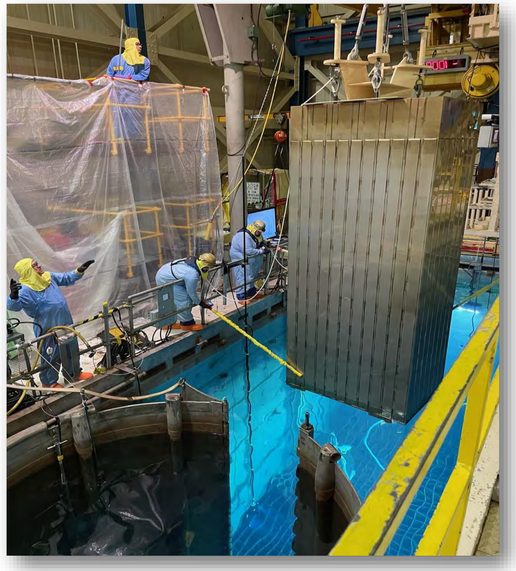

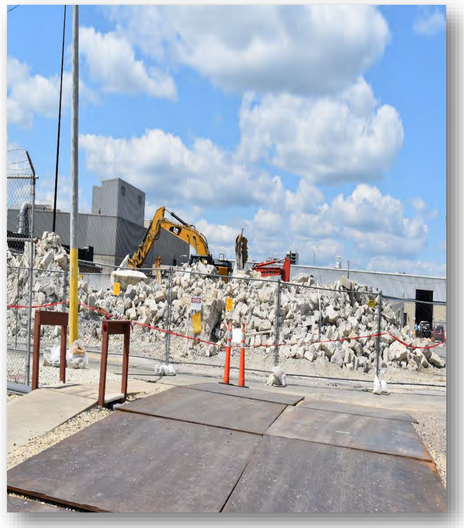

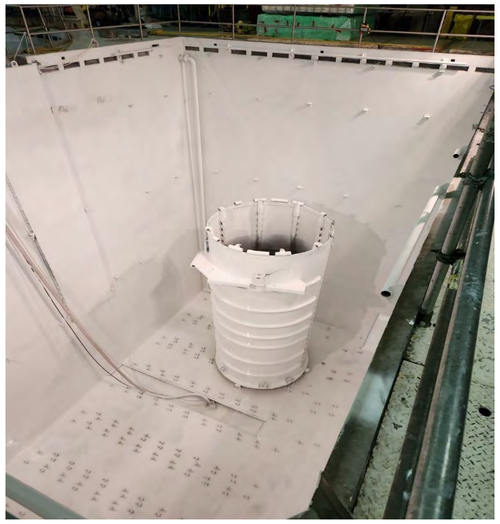

Oyster Creek Nuclear Generating Station

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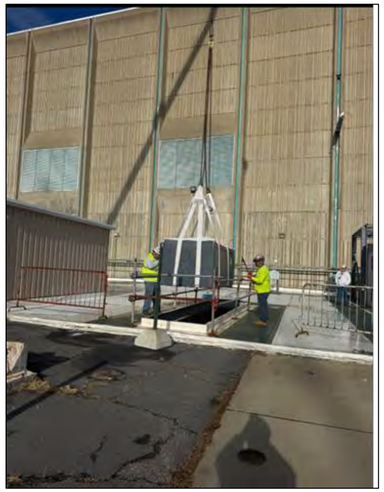
- Able to recycle 21% of material removed thus far.
- Innovative processes enhancements such as canister drying, canister lid sealing allowed work to be performed in two areas at once expediting the spent fuel processing.
- Removal of Control Rod Guide Tubes from in vessel versus normal under-vessel disconnects saved over 60-Rem to workers.
- Choice of transportation package and mode is important to ensure no challenges with shipping contaminated material.
- License Termination Plan vs Final Status Survey Plan .

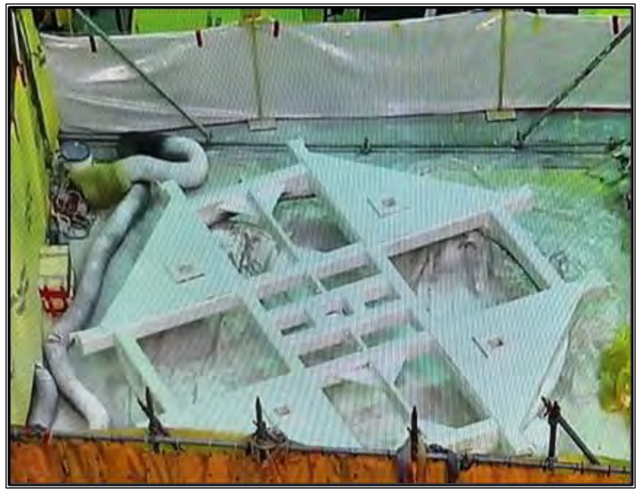
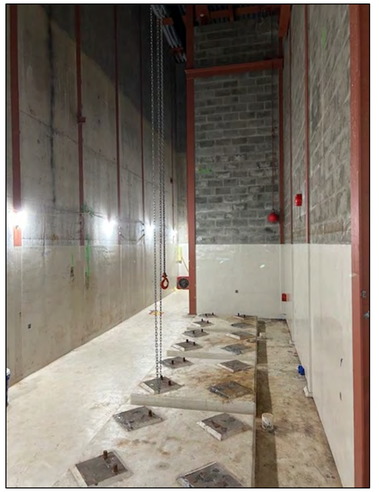
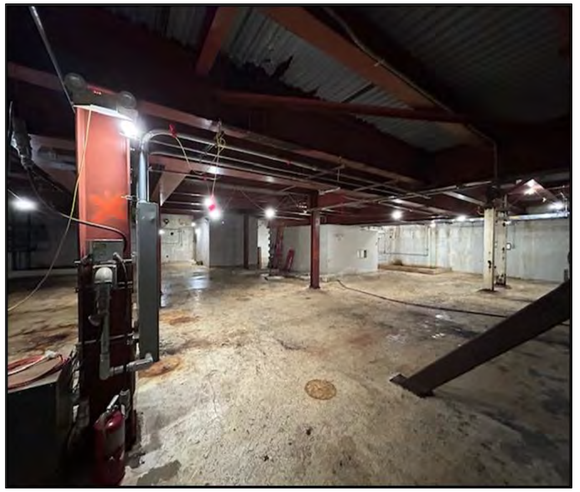
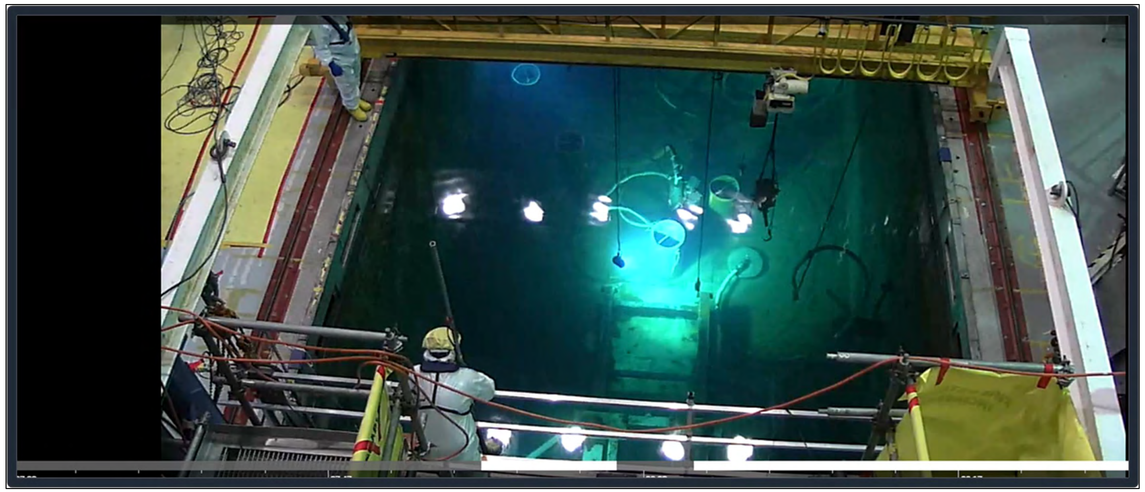
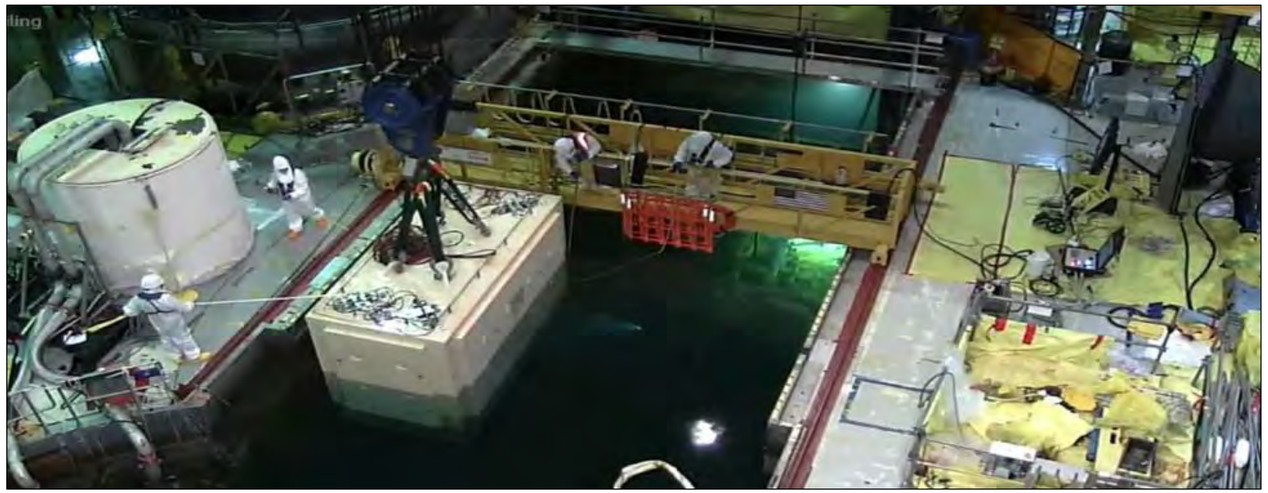
Pilgrim Nuclear Power Station

- Ceased Generation and Shutdown – 2019
- All fuel on ISFSI Pad – 2021
- License Termination Plan submittal expected – 2025
- In-Vessel Segmentation completion – 2024
- Reactor Pressure Vessel removal expected – 2032
- Partial Site Release expected – 2035
- License Termination – 2063

Former Single Unit BWR, 677 MWe
Plymouth, Massachusetts

Pilgrim Nuclear Power Station



Pilgrim Nuclear Power Station

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- Immediate approach to casking of nuclear fuel (dry cask), removal of environmental hazard (chemicals, oils, etc.) and fire prevention to decrease risk.
- Work being performed from the out-buildings to reactor building to maximize space and control cross contamination.
- Avoid handling waste multiple times.
- Allow for innovation in approach to decommissioning.
- Reinforce importance of CAP, especially the feedback.

Indian Point Nuclear Generating Units 1,2,3

- U2 & U3 Ceased Generation and Shutdown – 2020-2021
  - ✔ U1 Shutdown – 1974
- All fuel on ISFSI Pad – 2023
- License Termination Plan submittal expected – 2027
- In-Vessel Segmentation expected completion:
  - ✔ U1 – 2031
  - ✔ U2 – 2026
  - ✔ U3 – 2025
- Reactor Pressure Vessel Removal expected completion:
  - ✔ U1 – 2031
  - ✔ U2 – 2034
  - ✔ U3 – 2032
- Partial Site Release expected – 2041
- License Termination – 2062

Former Three-Unit Site, PWRs
U1-257 MWe, U2-1040 MWe, U3-1040 MWe
Buchanan, New York

Indian Point Nuclear Generating Units 1,2,3

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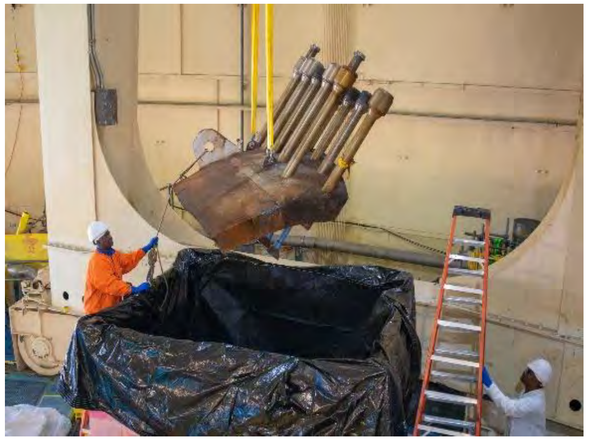

Indian Point Nuclear Generating Units 1,2,3

- IPEC is able to incorporate lessons learned from activities already performed at Oyster Creek and Pilgrim to be more efficient.
- Decommissioning challenges due to Legislation (S.6893/A.7208) restricting discharges of any radiological substance into the Hudson River in connection with the decommissioning of a nuclear power plant.
- All three units decommissioning at once, work must be closely tracked to ensure proper correlation to appropriate fund and complies with 50.2 definition of decommission.

Thank You

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Krishna P. Singh Technology Campus
1 Holtec Boulevard
Camden, NJ 08104
Tel: (856) 797-0900
www.holtec.com