



## Department of Public Service

Three Empire State Plaza, Albany, NY 12223-1350  
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December 2, 2022

VIA EMAIL

Hon. Michelle L. Phillips  
Secretary to the Commission  
3 Empire State Plaza  
Albany, NY 12223-1350

Re: Matter No. 21-01188 – In the Matter of the Indian Point Closure Task Force and Indian Point Decommissioning Oversight Board.

Dear Secretary Phillips:

Please accept for filing in the above-captioned matter, updates from Holtec Decommissioning International (HDI) regarding decommissioning activity at Indian Point. Should you have any questions regarding this filing, please contact me. Thank you.

Respectfully submitted,

Tom Kaczmarek  
Executive Director  
Indian Point Closure Task Force  
Indian Point Decommissioning Oversight Board



# Decommissioning Oversight Board

**Holtec Decommissioning International, LLC (HDI)**



**IPEC Decommissioning Update  
December 7, 2022**

**Rich Burroni, Site Vice President  
914-254-6705**



# Agenda

The agenda for this meeting will provide an update on completed activities since our last meeting on September 22<sup>nd</sup>. The following slides will also provide projected activities thru February 2023 when the permanently defueled Emergency Plan LAR is anticipated to be approved by the Nuclear Regulatory Commission (NRC). The following will be presented:

- Dry Fuel Project
  - ISFSI Pad
  - Unit 2 Spent Fuel Pool Defuel status
  - Unit 3 Spent Fuel Pool Building / HI-Lift status
- Vessel Segmentation
  - Unit 2
  - Unit 3
- Building Demolition
- NRC Inspections and Activities

# Dry Fuel Project



The Dry Fuel Project concludes with all fuel from both spent fuel pools on the Independent Spent Fuel Storage Installation (ISFSI) pads along with the protected area fence, nuisance fence and vehicle barrier system projected to be installed by the end of the 4<sup>th</sup> quarter 2023.

# Dry Fuel Project



## Independent Spent Fuel Storage Installation

### ISFSI Pad

As previously noted, an additional ISFSI pad had to be constructed to accommodate all the Holtec HI-Storm 100S casks. 127 casks are needed to secure all the fuel from both the Unit 2 and Unit 3 Spent Fuel Pools. The original pad will hold 75 casks and the new pad will hold 52 casks. As reported at the last DOB meeting, fencing and monitoring equipment have been installed such that both pads are now part of the Site Protected Area.

### Since the last Oversight Board Meeting:

- A Radiation Survey of the Unit 2 Condensate Storage Tank (CST) has been performed to facilitate demolition. A Technical Information Document has been submitted to the NRC. Demolition is needed to accommodate the Vehicle Barrier System.
- Steel plates have been installed and welded together on the aggregate between the two pads to prevent damage when transporting casks to pad.

### Projected Activities through February 2023:

- CST will be removed
- Plans will be finalized and bids accepted for the removal of a portion of the Energy Education Center (an abandoned structure whose demolition is also needed to accommodate the Vehicle Barrier System)



# Dry Fuel Project – ISFSI Pad

ISFSI Pad  
(Aerial View)

\*Tank Closest to  
PAD Is the CST





# Dry Fuel Project

## Unit 2 Spent Fuel Pool Defuel Status



To Recap – 896 fuel assemblies need to be casked at Unit 2 requiring 28 casks. The Unit 2 Spent Fuel Pool off-load campaign started in August and is scheduled to complete in February 2023.

### **Since the last Oversight Board Meeting (Unit 2):**

- Unit 2 Spent Fuel Pool off-load – 14 Casks to Pad to date.
- Continued to receive MPC's and HI-Storm canisters to load fuel

### **Projected activities through February 2023:**

- Complete Spent Fuel Pool off-load
- Plan for fuel rack removal

# Dry Fuel Project – Unit 3 Spent Fuel Pool Building Activities / HI-Lift



## Since the last Oversight Board Meeting (Unit 3):

- Continue with modifications to the FSB building along with walkways to access the HI-Lift
- Completed Factory Acceptance Testing
- Shipped Vertical Cask Transporter for Unit 3 fuel

## Projected activities through February 2023:

- Receive HI-Lift structure shipments
- Install HI-Lift (along with support components)
- Initial Site Acceptance Test (SAT) of HI-Lift



# HI-Lift Install Preparation Activities

## Unit 3 Spent Fuel Pool Building



HI-Lift Structure



# Concrete Pour – Fuel Storage Building

## Unit 3



Created opening  
For HI-Lift access



Duct work required  
modification



Modified walk-way



Suction piping to pool  
cooling system required  
modification



New floor / rail system





# Vessel Segmentation – Unit 2

To Recap – the segmentation of both vessels is considered our second critical path and is scheduled to be complete in the same time frame as the dry fuel project. As scheduled, Unit 2 work will follow Unit 3 work activities.

## Since the last Oversight Board Meeting (Unit 2):

- Completed removal of 3 Stuck Studs in Rx Flange
- Completed Cavity Coating
- Begin Segmenting Unit #3 Rx Vessel Head (moved from U3 Containment Bldg. – space considerations)
- Completed RCS Loop Plug & Rx Vessel Flange Welding

## Projected activities through the end of February (Unit 2):

- Unit 3 Reactor Head wire saw cutting
- Additional building preps for segmentation (in progress)



# Vessel Segmentation – Unit 2

Unit #3  
Rx Head  
in Unit 2  
VC



Unit 2 Rx  
Cavity  
Completed  
Coating



# Vessel Segmentation – Unit 3

## Since the last Oversight Board Meeting (Unit 3):

- Complete SAT Testing of Gantry Saw & Knuckle Boom Cranes
- Rx Head Removal & Cavity Flood Up
- Transfer Rx Head to Unit #2 VC for Segmentation
- Remove Upper Reactor Internals
- Begin Rx Internals Segmentation

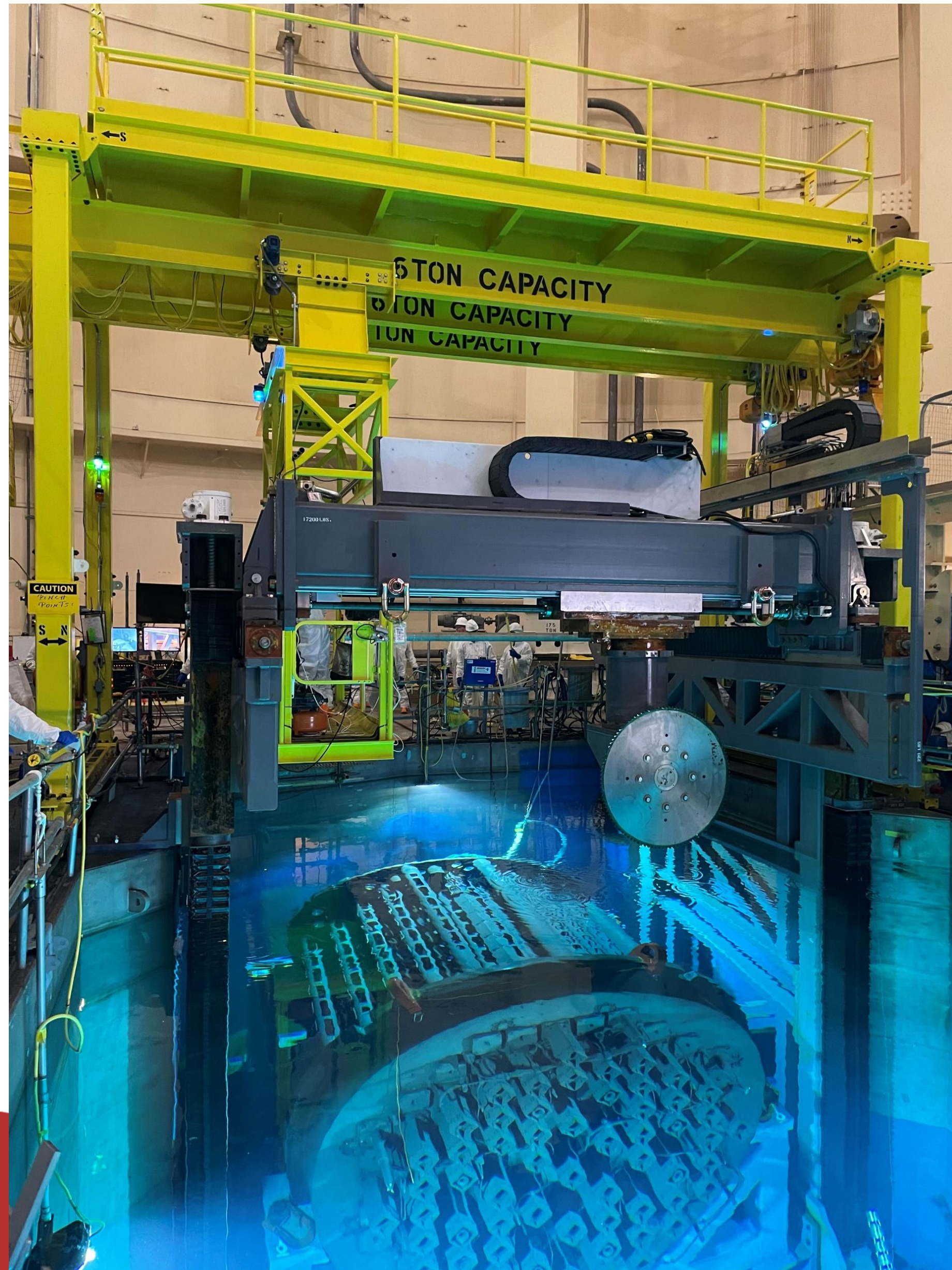
## Projected activities through February (Unit 3):

- Continue Segmentation of upper reactor internals



# Vessel Segmentation – Unit 3

Unit #3 Upper  
Internals on its  
side and in  
Gantry Saw  
cutting stand





# Vessel Segmentation

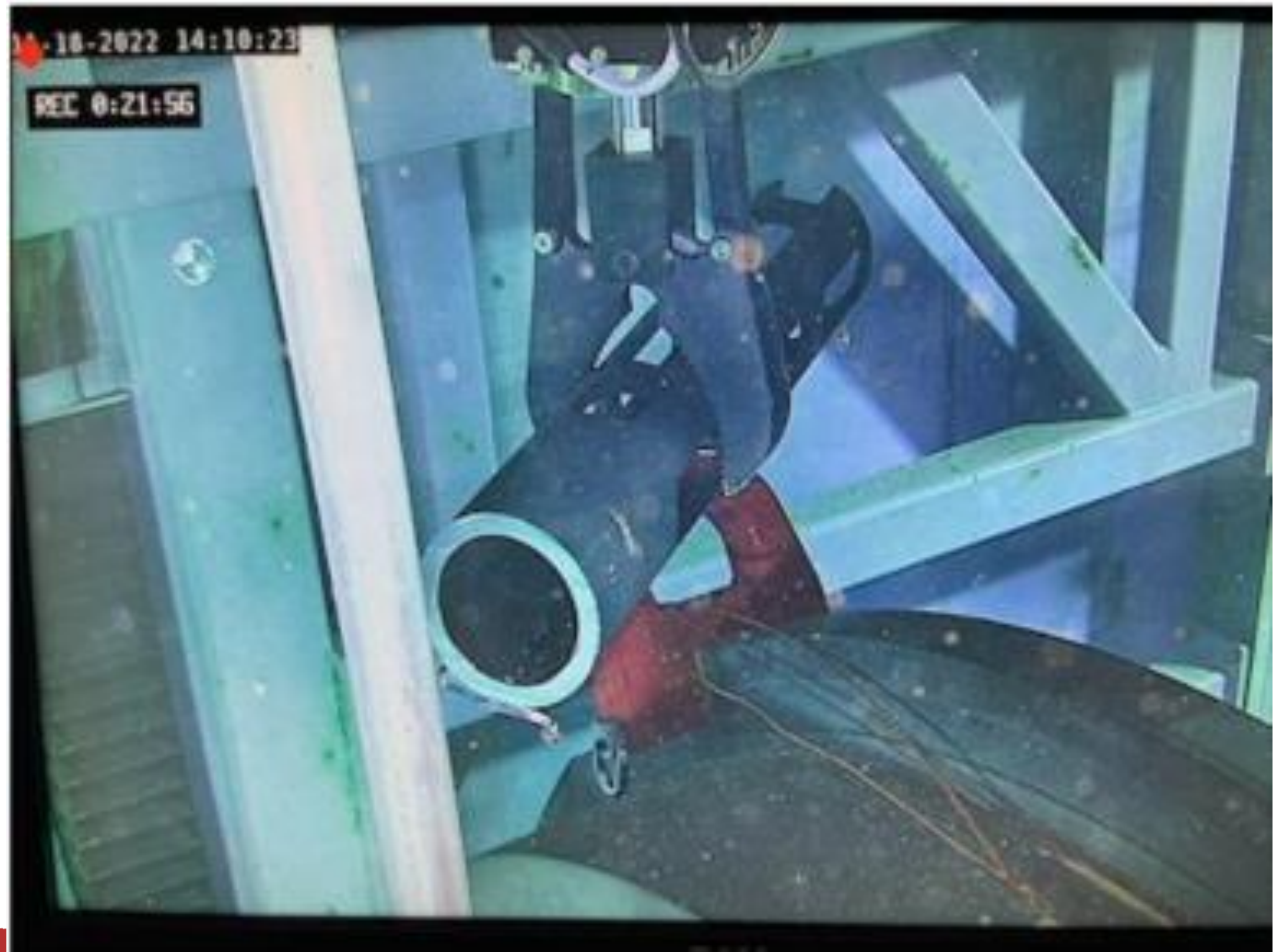
Section of CRDM column  
segmented from Upper  
Reactor Vessel Internals on  
Friday, 11-18-2022





# Vessel Segmentation

Section of support column  
segmented from Upper  
Reactor Vessel Internals on  
Friday, 11-18-2022





# Building Demolition

Building demolition activities since last meeting have concentrated on cleaning out various warehouses and removing equipment to be shipped to other nuclear sites. Our concentration has shifted to focus on our critical path activities previously presented. Following Fuel on Pad Protected (FOPP), demo work on buildings inside what is now known as the protected area will take place.

## Since the last Oversight Board Meeting:

- Worked with NYS DEC on dust mitigation requirements during building demolitions

## Projected demolition activities through February:

- Condensate Storage Tank CST: Prior to demolition, the tank will be free of radionuclides, lead, asbestos and heavy metals. Survey in development



# Building Demolition

CST





# NRC Inspections and Activities



Submittal	IPEC Submittal Date	Requested / Anticipated NRC Review Complete
Exemption and LAR for Permanently Defueled Emergency Plan	12/2021	02/2023
Exemption from onsite and offsite Liability and Property Damage Insurance requirements	03/2022	02/2023
Exemption from CoC requirements for loading fuel assemblies with source inserted	03/2022	Complete
LAR for removal of Cyber Security Requirements	05/2022	01/2023
LAR for U2 Admin TS change (remove staffing for ISFSI only condition)	08/2022	02/2023
Amend and Restate Decommissioning Trust Agreements for IP1/IP2/IP3 (update Entergy to Holtec)	08/2022	TBD
IP1/IP2/IP3 ISFSI only licensing submittals	11/2022	TBD

- 12/12/22 – 12/15/22: NRC Onsite Inspection – Decom – Rad Waste Management/Transportation



# Thank You!



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