



Stephanie A. Cuello  
SENIOR COUNSEL

April 23, 2025

**VIA ELECTRONIC DELIVERY**

Adam J. Teitzman, Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, Florida 32399-0850

Re: *Petition by Duke Energy Florida, LLC, to Approve Transaction with Accelerated Decommissioning Partners, LLC, for Accelerated Decommissioning Services at the CR3 Facility, etc.*  
Docket No. 20190140-EI

Dear Mr. Teitzman:

Enclosed for filing on behalf of Duke Energy Florida, LLC ("DEF"), please find the Decommissioning Quarterly Report received from Accelerated Decommissioning Partners (ADP) on April 10, 2025, for the quarter ending March 2025. Order No. PSC-2020-0289-FOF-EI, dated August 27, 2020, issued in the above-referenced docket, provides that "2. The information responsive to items identified in the DSA [Decommission Services Agreement], Attachment 9, Section B through E should be provided to the Commission within two weeks of DEF's receipt of this information from ADP."

Thank you for your assistance in this matter and if you have any questions, please feel free to contact me at (850) 521-1425.

Sincerely,

/s/ Stephanie A. Cuello

Stephanie A. Cuello

SAC/clg  
Enclosure

## **CERTIFICATE OF SERVICE**

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail to the following this 23<sup>rd</sup> day of April, 2025.

/s/ Stephanie A. Cuello

Attorney

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**Billy E. Reid**, Decommissioning Program Manager

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[BReid@NorthStar.com](mailto:BReid@NorthStar.com)

**ADP25-0009**

April 10, 2025

Gene Flavors (via electronic mail)  
DEF General Manager  
Site Administration Building  
Crystal River Energy Complex (CREC)

**Subject:** Materials for Quarterly Meeting

Dear Mr. Flavors,

In accordance with the Decommissioning Services Agreement (DSA) section 6.12.1 and Attachment 9, attached you will find the materials prepared by ADP CR3, LLC (ADP) for the upcoming quarterly meeting scheduled for April 23, 2025. Please note that the schedule included in the attached also satisfies the requirements for the quarterly schedule update stipulated at section 6.7 of the DSA.

Should you have any questions or comments, contact me at your convenience at either [bereid@northstar.com](mailto:bereid@northstar.com) or 865-384-6789.

Sincerely,

A handwritten signature in blue ink, appearing to read "Billy E. Reid".

Billy E. Reid  
Decommissioning Program Manager

Cc: Luke Self (ADP / NS)  
Nelson Langub (ADP / NS)  
David Pearson (ADP / NS)  
James Seals (ADP / Orano)



ADP CR3, LLC

# Decommissioning Quarterly Report

for quarter ending

## March 2025

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## 1.0 EXECUTIVE SUMMARY

This is the ADP CR3 quarterly report on the decommissioning of the Crystal River Unit 3 nuclear plant in accordance with the requirements of the First Amendment to the Decommissioning Services Agreement (DSA), Attachment 9, *Reporting and Notification Requirements*, reflecting the quarter from January 1, through March 31, 2025.

### Q1 Safety and Environmental Performance

Injury/Illness Summary	1st Quarter 2025	YTD 2025	PTD 2025
Project Hours	66,763	66,763	1,504,396
First Aid Cases	0	0	20
Recordable Cases	0	0	1
Lost Workday Cases	0	0	0

- First Aid Cases - 0
- ALARA exposure 1st qtr 2025: 301 mrem vs 750 mrem budget, Annual dose goal is 3000 mrem
- Personnel Contamination events 1st qtr: No PCEs field.
- NRC RP Inspections identified no discrepancies.
- Heat Stress = 0

**2.0** This quarter commenced with the continued progress on the interior building demolition within the Reactor Building and continued decon work within the Auxiliary Building. Demolition debris transportation and disposal will continue into 2<sup>nd</sup> quarter. Remaining decon of the Auxiliary building below grade structure to Final Status Survey standards will complete in Q2. Reactor building systems removal is ongoing scheduled to be completed at the end of Q2 with the removal of the sump. Decon of the interior of the Reactor Building to FSS Standards will start in Q2 and will finish in Q3. BWST decon started at the end of Q1 and demolition of this tank is currently scheduled for April 2025. No spent nuclear fuel related violations, environmental non-compliance, or significant industrial safety events occurred or were reported.

## 3.0 SUMMARY OF REGULATORY EVENTS AND REPORTS

1. Reportable events to Governmental Authority (e.g., NRC, OSHA, FDEP, EPA):

NONE

2. Receipt of any correspondence from any Governmental Authority of violation or finding:  
NONE
3. Any breach of debt covenants, default acceleration, insolvency, reorganization, bankruptcy or liquidation of NorthStar Group Services, Inc., and/or proposed organizational changes in equity ownership of NorthStar Group Holdings, LLC or ORANO SA:  
NONE
4. Events that require Duke Energy Florida (DEF) to make a report to ANI:  
NONE
5. Events that require Duke Energy Florida (DEF) to make a report to NEIL:  
NONE

#### **4.0 PAY ITEM DISPUTE SUMMARY**

There are no pay items in dispute. DEF has communicated that the quality of the documentation of Pay Item completion has been very good, with progress of all Pay Item being validated.

#### **5.0 ADP CR3 NON-COMPLIANCE ITEMS**

There have been no non-compliance items this quarter.

#### **6.0 CONCERNS NEEDING MANAGEMENT ATTENTION**

No concerns needing management attention currently.

ADP CR3 Decommissioning Quarterly Report  
1Q-2025

## 7.0 SUBMITTED AND PENDING REGULATORY SUBMITTALS

### NRC Letter Log and Submittal Register

NUMBER	DATE	FROM ORG	FROM PERSON	SUBJECT	NRC ACCESSION #	Notes
3F0125-01	1/15/2025	CR3	Reid	Late Received Radiological Shipment	ML25015A098	Submitted to records
3F0125-02	1/23/2025	CR3	Reid	Proof of Financial Protection	ML25023A118	Submitted to records
3F0225-01	2/10/2025	CR3	Reid	Phase 2 Partial Site Release / License Amendment Request	ML25041A178 ML25041A179 ML25041A180 ML25041A181 ML25041A182 ML25041A185 ML25041A186 ML25041A187 ML25041A188 ML25041A189 ML25041A190 ML25041A192	Submitted to records
3F0325-01	3/28/2025	CR3	State	CR3 Annual Decommissioning and Irradiated Fuel Management Financial Status Report for 2024	ML25087A183	Submitted to records
3F0325-02	3/6/2025	CR3	Reid	Crystal River 3 – Onsite Property Insurance Coverage	ML25065A066	Submitted to records

2025 Crystal River 3 – NRC Submittals		
Submittal	Submittal to be Signed	Comments
Proof of Financial Protection, Financial Liability Policy Renewal (ANI)	January 31, 2025	10 CFR 140.15, 140.11(a)(4) Exempted, 10 CFR 140.17(b)
Annual Decommissioning and Irradiated Fuel Management Financial Status Report	March 31, 2025	10 CFR 50.82(a)(8)(v), (vi) and (vii) and 10 CFR 50.75(f)(1) and (2)
Copy of Material Balance Report and Physical Inventory Listing Report (12-month frequency requirement from last submittal)	March 31, 2025	10 CFR 74.13(a) and 10 CFR 74.15, 10 CFR 70.55, 10 CFR 72.76, 10 CFR 72.78, (Within 60 days following the start of the annual physical inventory of special nuclear material and/or source material)
Onsite Property Insurance Coverage (NEIL)	April 1, 2025	10 CFR 50.54(w)(3)
Radiation Exposure Report To Employees (RPCM initiates)	April 30, 2025	10 CFR 19.13(b) and 10 CFR 20.2206
Annual Radioactive Effluent Release Report and a copy of the ODCM	May 1, 2025	Submit report per 10 CFR 50.36a(a)(2) and ODCM; CP-500
Annual Radioactive Radiological Environmental Operating Report	May 15, 2025	10 CFR 50 Appendix I; Submit report per ODCM; CP-500
Annual Copy of Corporate Financial Report See 10 CFR 140.15 (a)	Annually (within 30 days of issuance of annual report)	10 CFR 50.71(b) 10 CFR 72.80(b)
Performance Bond - ISFSI Management Costs	December 31, 2025	Facility Operating License Condition 2.C(19) - Renew annually until settlement agreement with DOE is reached
Crystal River Unit 3 – Reporting Related to the National Pollutant Discharge Elimination System (NPDES) Permit ID# FL0A00004-001-IW1S	As needed	CP-500
Crystal River 3 – Report of Investigation Pursuant to 10 CFR 20, Appendix G.	As needed	10 CFR 20, Appendix G, as exempted

Submittals	NRC Accession/ TAC Number	NRC Approval Requested	Next Expected Action	Comments
Crystal River 3 – Report of Investigation Pursuant to 10 CFR 20, Appendix G	ML25015A098			
Partial Site Release 2	ML25041A184 (Package ML)			



# ADP CR3 Decommissioning Quarterly Report 1Q-2025

## Environmental

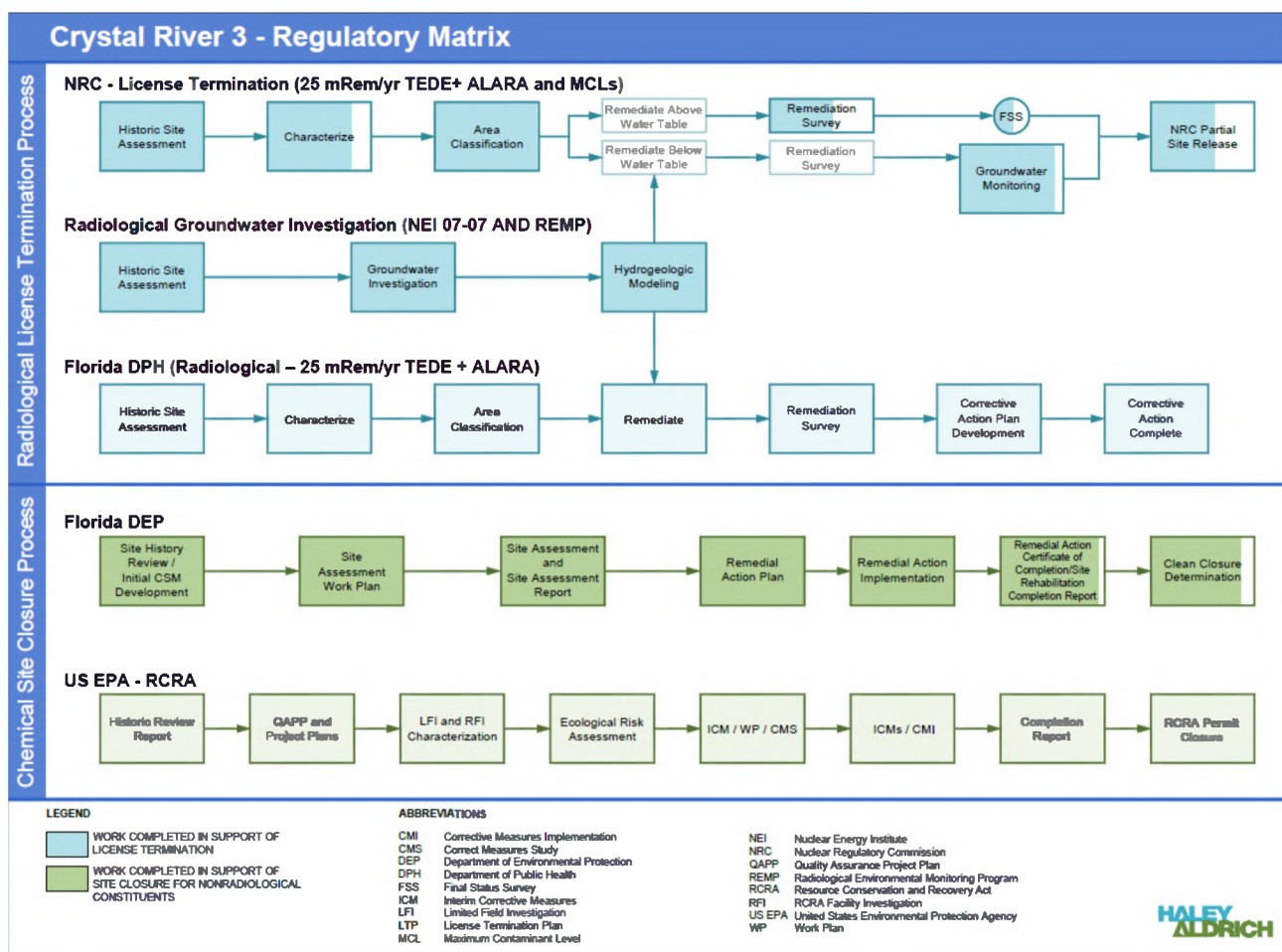
AOC Status Table attached.

Summary of Haley & Aldrich Submittals and Actions 4Q2024

Number	Date	From Org	From Person	Subject	Submitted To
Permits					
	ongoing	Haley & Aldrich	Elida Danaher	Monthly DMRs per NPDES Permit	FDEP
	1/24/2025	FDEP	Stefany Pover	Permit Modification Approval for 09-0270612-043 (ERP Revision)	Haley & Aldrich
	2/25/2025	Haley & Aldrich	Elida Danaher	Tier II Submittal	FDEP
	3/20/2025	Haley & Aldrich	Miles van Noordennen	Application for permit modification to extend the existing ERP permit duration (online submittal)	FDEP
	3/28/2025	Haley & Aldrich	Miles van Noordennen	Technical report and data for IWP renewal	FDEP
Permitting Support					
	ongoing	Haley & Aldrich	Nadia Glucksberg	Attended monthly and quarterly updates with DEF	NA
	ongoing	H&A	Elida Danaher & Miles van Noordennen	Weekly Support for Permitting	ADP CR3

### Notes:

\* Tier II submittal to FDEP, EPA, Fire Dept, and the Tampa Bay Regional Planning Council, as required.



## 8.0 COMPLETED AND NEAR-TERM SCHEDULE MILESTONES

	PAY ITEM/MILESTONE	PLANNED COMPLETE	STATUS
3.1.1.1	Planning & Site Preparation Utilities Reactivation		100% Complete
3.1.1.2	Planning & Site Preparation Containment Access, Waste Handling Areas		100% Complete
3.1.2	Planning & Site Preparation Site Characterization		100% Complete
3.1.3.1	Planning & Site Preparation LCR and RV/RVI Planning and Engineering General transition Planning/Engineering		100% Complete
3.1.3.2	Planning & Site Preparation LCR and RV/RVI Planning and Engineering Site/Plant infrastructure Planning and Engineering		100% Complete
3.1.3.3	Planning & Site Preparation LCR and RV/RVI Planning and Engineering RVI Planning and Engineering		100 % Complete
3.1.3.4	Planning & Site Preparation LCR and RV/RVI Planning and Engineering RV Planning and Engineering		77% Complete
3.1.3.5	Planning & Site Preparation LCR and RV/RVI Planning and Engineering LCR Planning and Engineering		100% Complete
3.1.4.1	Planning & Site Preparation Balance of Plant D&D Planning Temporary Utilities, Site Preparation Planning		100% Complete
3.1.4.2	Planning & Site Preparation Balance of Plant D&D Planning Turbine, Condenser, Steam Generator Removal Planning		100% Complete
3.1.4.3	Planning & Site Preparation Balance of Plant D&D Planning Systems Removal and Decon Work Planning		100% Complete
3.1.4.4	Planning & Site Preparation Balance of Plant D&D Planning Demolition Work Planning		100% Complete
4.A.1.1	Large Component Removal Reactor Internals Segmentation Reactor Internals Mobilization, Setup & Commissioning		100% Complete

ADP CR3 Decommissioning Quarterly Report  
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	PAY ITEM/MILESTONE	PLANNED COMPLETE	STATUS
4.A.1.2	Large Component Removal Reactor Internals Segmentation Reactor Internals Segmentation (Plenum Assembly)		100% Complete
4.A.1.3	Large Component Removal Reactor Internals Segmentation Reactor Internals Segmentation (Core Support Assembly/Remaining)		100% Complete
4.A.1.4	Large Component Removal Reactor Internals Segmentation Reactor Internals Waste Packaging, Transportation and Disposal		100% Complete
4.A.2.1	Large Component Removal Reactor Vessel Segmentation Reactor Vessel Mobilization		100% Complete
4.A.2.2	Large Component Removal Reactor Vessel Segmentation Reactor Vessel Segmentation		100% Complete
4.A.3	Large Component Removal Reactor Vessel Segmentation Reactor CRDMs, ICLs, Services Structure		100% Complete
4.A.4.1	Large Component Removal Reactor Coolant System Reactor Coolant Piping		100% Complete
4.A.4.2	Large Component Removal Reactor Coolant System Reactor Coolant System Pumps and Motors		100% Complete
4.A.5	Large Component Removal Reactor Coolant System Pressurizer and Relief Tank		100% Complete
4.A.6.5	Large Component Removal Steam Generators Steam Generator Package, Transportation and Disposal		100% Complete
4.A.7.1	Large Component Removal Main Turbine/Generator/Condensers Turbine and Generator Removal		100% Complete
4.A.7.1	Large Component Removal Condenser Removal		100% Complete
4.B.1.1	Site Decontamination Remove Plant Systems Reactor Building	4/30/2024	85% Complete
4.B.1.2	Site Decontamination Remove Plant Systems Auxiliary Building elev 95'		100% Complete
4.B.1.3	Site Decontamination Remove Plant Systems Auxiliary Building elev 119'		100% Complete

ADP CR3 Decommissioning Quarterly Report  
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	PAY ITEM/MILESTONE	PLANNED COMPLETE	STATUS
4.B.1.4	Site Decontamination Remove Plant Systems Intermediate Building		100% Complete
4.B.1.5	Site Decontamination Remove Plant Systems Turbine Building		100% Complete
4.B.2.1-3	Decontaminate Reactor Building	8/31/2025	22% Complete
4.B.2.4	Decontaminate Auxiliary Building	6/30/2025	91% Complete
4.B.2.5	Decontaminate Intermediate Building		100% Complete
4.B.4	Site Decontamination Decontaminate Buildings License Termination Planning		100% Complete
4.B.5.1	Site Decontamination Decontaminate Buildings West Settling Pond Remediation		100% Complete
4.B.5.3	Site Decontamination Decontaminate Buildings Transfer Canal Sand Removal		100% Complete
5.1.1	Site Restoration Demolish Turbine Building		100% Complete
5.1.2	Site Restoration Demolish Miscellaneous Site Structures Emergency Feed Water Building		100% Complete
5.1.2	Site Restoration Demolish Miscellaneous Site Structures Diesel Generator Building		100% Complete
5.1.2	Site Restoration Demolish Miscellaneous Site Structures Alternate AC Diesel Generator Bldg Demo		100% Complete
5.1.2	Site Restoration Demolish Miscellaneous Site Structures Fire Pump House Building		100% Complete
5.1.2	Site Restoration Demolish Miscellaneous Site Structures RB Maintenance Bldg Demo		100% Complete
5.1.2	Site Restoration Demolish Miscellaneous Site Structures RX Vessel Closure Head Storage Bldg Demo		100% Complete
5.1.2	Site Restoration Demolish Miscellaneous Site Structures Hot and Cold Shop Bldg Demo		100% Complete
5.1.2	Site Restoration Demolish Miscellaneous Site Structures PAB Building Demo		100% Complete
5.1.2	Site Restoration Demolish Miscellaneous Site Structures	4/30/2025	0% Complete

ADP CR3 Decommissioning Quarterly Report  
1Q-2025

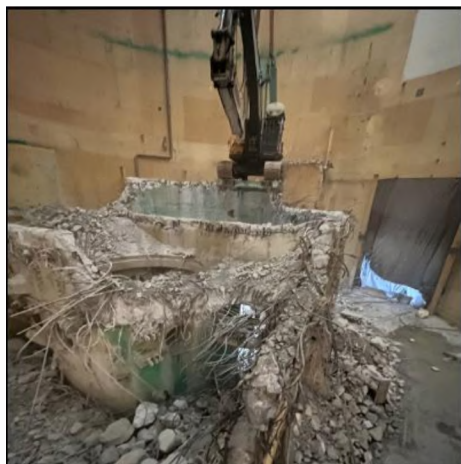
	PAY ITEM/MILESTONE	PLANNED COMPLETE	STATUS
	BWST Building Demo		
5.1.2	Site Restoration Demolish Miscellaneous Site Structures NAB Building Demo		100% Complete
5.1.3	Site Restoration Demolish Miscellaneous Site Structures Auxiliary Building Demo		100% Complete
5.1.5	Site Restoration Demolish Miscellaneous Site Structures Intermediate Building Demo		100% Complete
5.2.1	Site Restoration Firing Range Closure		100% Complete

Notes:

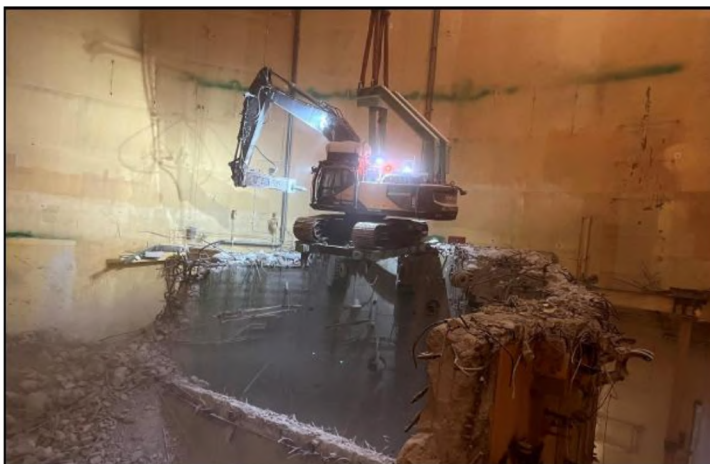


## Progress Photos

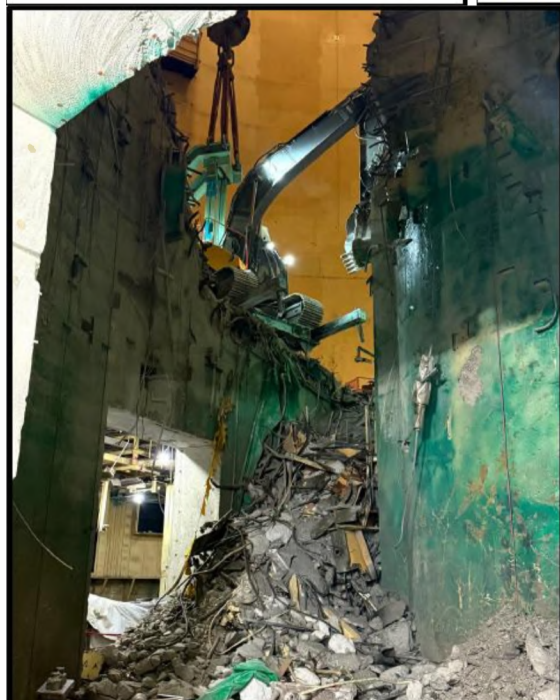
### Reactor Building System Removal, Decon and Interior Demo



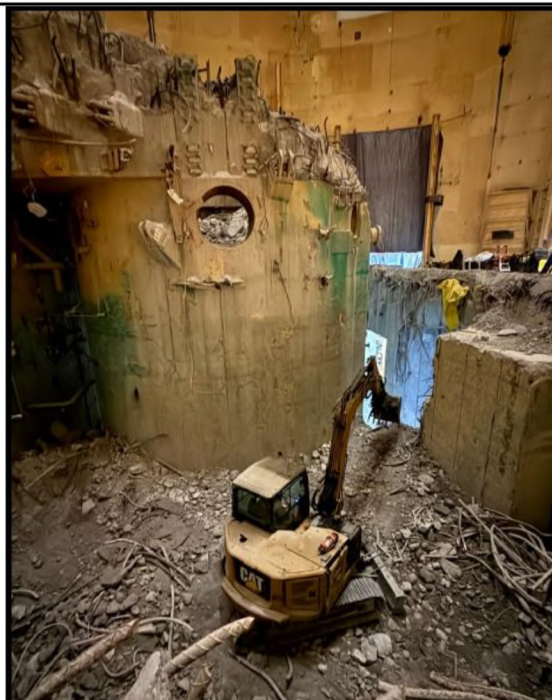
RB Phase 2 Internal Demo



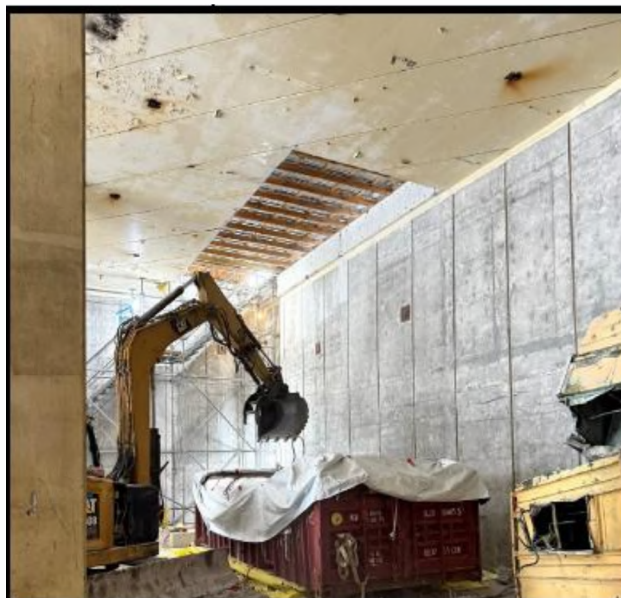
RB Phase 2 Internal Demo



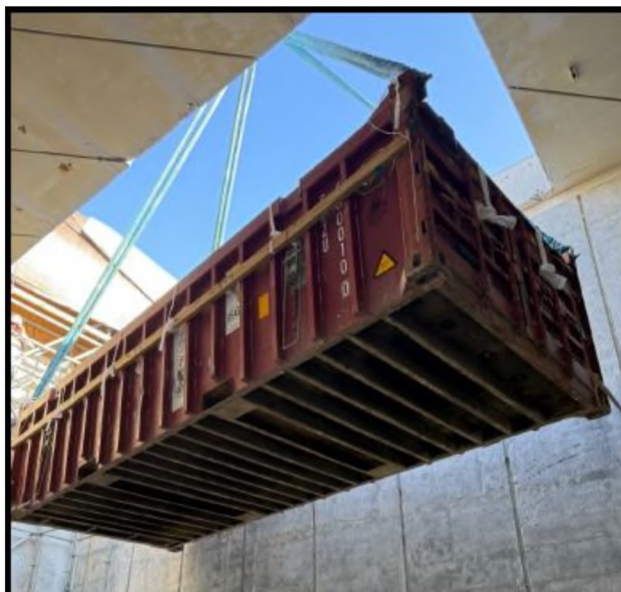
RB Phase 2 Internal Demo



RB Phase 2 Internal Demo



**RB Phase 2 Internal Demo – Loadout at  
the Seawater Room**



**RB Phase 2 Internal Demo – Loadout at  
the Seawater Room**



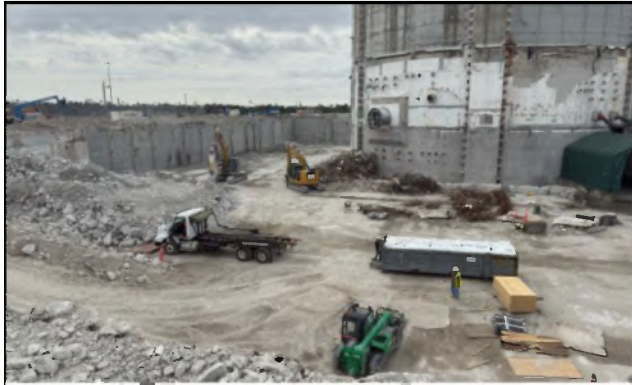
**RB Phase 2 Internal Demo – Loadout at  
the Seawater Room**



**RB Phase 2 Internal Demo – Loadout**



**Power Block - Auxiliary, Turbine, Intermediate Building and Control Complex Decon and Demo**



**AB & TB – Loadout**



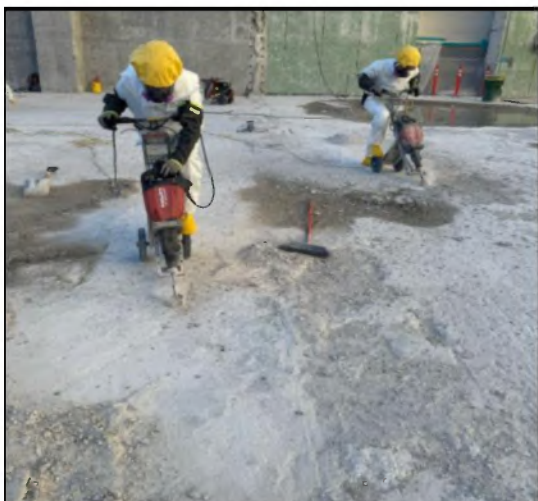
**AB & TB – Loadout**



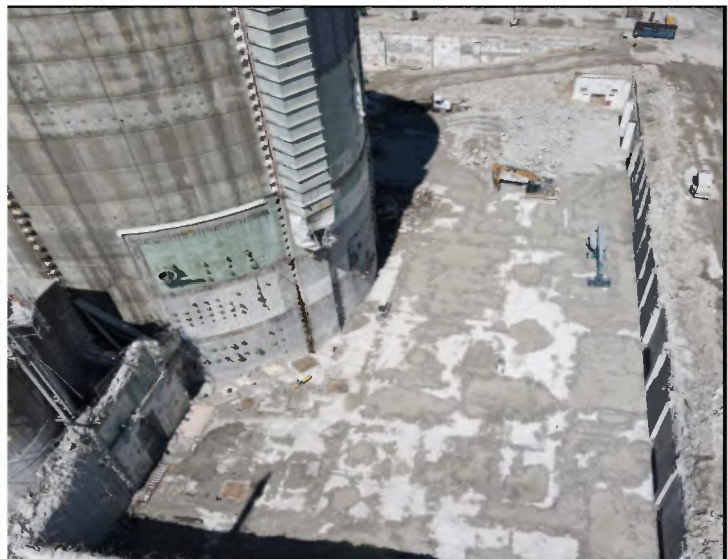
**Power Block – Decon Wall paint Removal & RP Survey**



**Power Block – Decon Wall paint Removal**



**Power Block Final Decon – Floor Epoxy Removal**



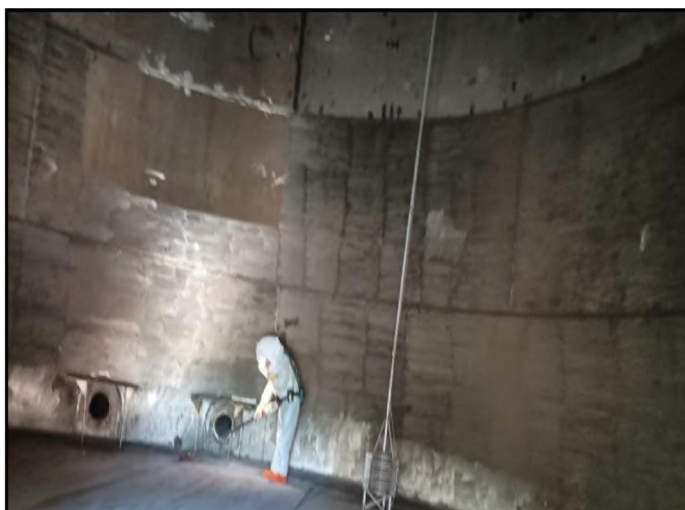
**Power Block Final Decon**



### BWST Demolition Preparations



BWST- Creating a hole in preparation for RP Survey



Initial Survey Inside BWST



BWST- Closed Area at the End of the Day

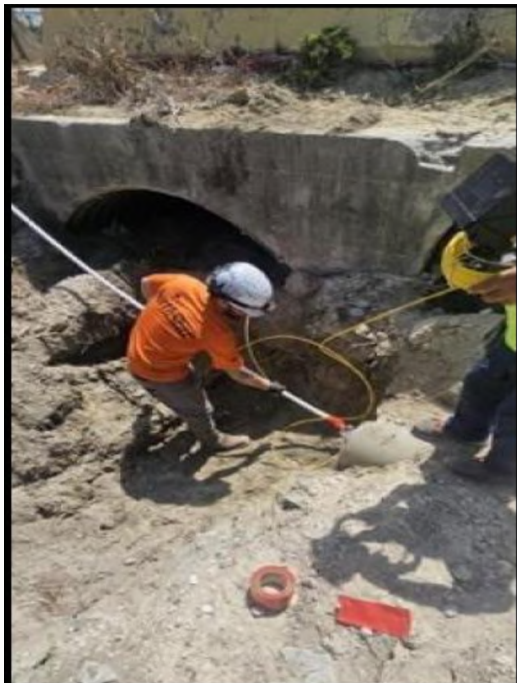
### Station Drain Line Removal



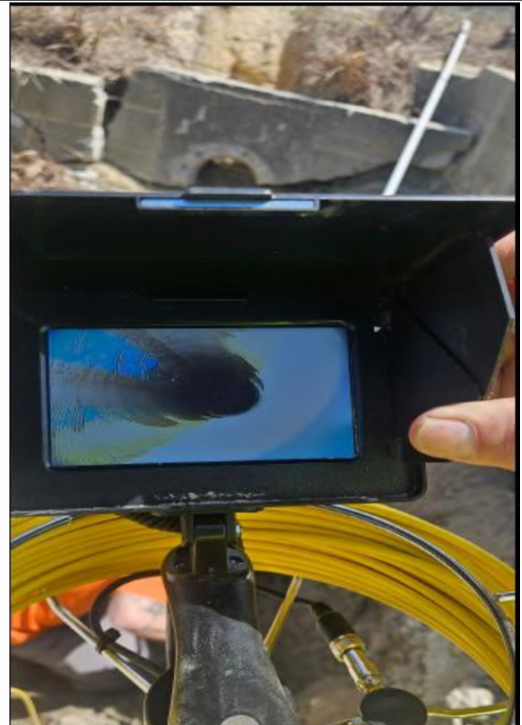
**SDT-1 Buried Drain Line Removal**



**SDT-1 Buried Drain Line Removal**



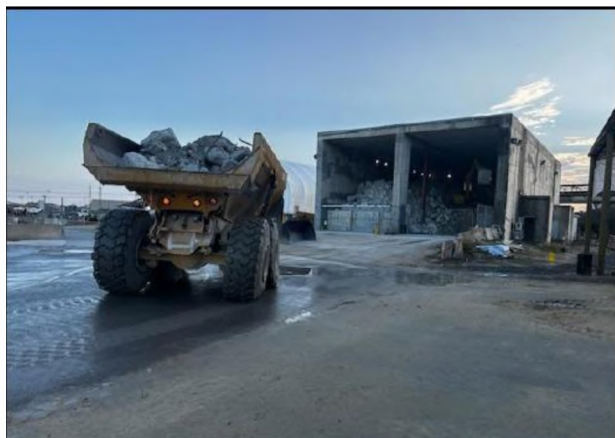
**SWOCZ-SDT-1 Lines - Cleaning  
and Checking the linesDT-1  
Buried Drain Line Removal**



**WOCZ-SDT-1 Lines - Cleaning  
and Checking the lines**



## Site Loadout Operations









**Loading Mausoleum with Concrete Debris**



**Loaded Rail Cars with Concrete Debris**



**Loadout Rail Cars**

 Remaining Level of Effort
  Actual Work
  Critical Remaining Work  
 Primary Baseline
  Remaining Work
  Milestone

Page 1 of 1

TASK filter: Not Completed.

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