



Dianne M. Triplett
DEPUTY GENERAL COUNSEL

April 26, 2023

VIA ELECTRONIC FILING

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 12, 2023 for the quarter ending March 2023. 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. Please feel free to call me at (727) 820-4692 should you have any questions concerning this filing.

Sincerely,

/s/ Dianne M. Triplett

Dianne M. Triplett

DMT/mw
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 26th day of April, 2023.

/s/ Dianne M. Triplett

Attorney

<p>Suzanne Brownless Florida Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850 sbrownle@psc.state.fl.us</p> <p>Jon C. Moyle, Jr. / Karen A. Putnal Moyle Law Firm, P.A. 118 North Gadsden Street Tallahassee, FL 32301 jmoyle@moylelaw.com kputnal@moylelaw.com mqualls@moylelaw.com</p>	<p>Charles J. Rehwinkel Office of Public Counsel c/o The Florida Legislature 111 West Madison Street, Room 812 Tallahassee, FL 32399 rehwinkel.charles@leg.state.fl.us</p> <p>James W. Brew / Laura Wynn Baker Stone Mattheis Xenopoulos & Brew, PC 1025 Thomas Jefferson St., N.W. Suite 800 West Washington, DC 20007-5201 jbrew@smxblaw.com lwb@smxblaw.com</p>
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Billy E. Reid, Decommissioning Program Manager

c.865.384.6789

BReid@NorthStar.com

ADP23-0010

April 12, 2023

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 26, 2023. 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 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)
Geoff Wilde (ADP / Orano)



Decommissioning Quarterly Report

for quarter ending

March 2023

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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, 2023.

Q4 Safety and Environmental Performance

Injury/Illness Summary	1st Quarter 2023	YTD 2023	PTD 2023
Project Hours	104,924	104,924	803,651
First Aid Cases	0	0	13
Recordable Cases	1	1	1
Lost Workday Cases	0	0	0

- Recordable case was a subcontractor pinched finger working to replace a blade for the 5700 Ride-On tile removal machine.
- ALARA Actual exposure to date = 24645 mrem vs budget 38807 mrem
- Personnel Contamination = 2 Level 1 PCEs, 1-small rusty piece of metal in bottom of boot and 1-distributed contamination on beard
- Heat Stress = 0

This quarter commenced with the continuing work of draining the Reactor Cavity and preparations for Reactor Vessel Segmentation to include nozzle separations, insulation removal and grout work. Drain down will complete in April and preparations for reactor segmentation is scheduled to complete in early June with reactor segmentation starting as it commences. Significant progress continued in the Turbine building, Auxiliary Building and Intermediate building. Reactor Vessel Closure Head Storage building demolition completed in March. Other miscellaneous yard structures completed this quarter including Emergency Feed Tank Building, Berm Chiller, Bullet Resistant Enclosures, Station Drain Tank, Condensate Storage Tank, Transformer Separation Walls and CAS 2. Planning and preparations for other sequences of work continued this quarter. Corrective actions continued through this quarter with respect to the Safety Conscious Work Environment. No used nuclear fuel related violations, environmental non-compliance, or significant industrial safety events occurred or were reported.

2.0 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:
NRC Non cited observation/minor violation for Gap in High Rad Fence, Radiological Controls relating to GTCC Packaging identified by the NRC Inspector this quarter. Actual report not due back to ADP until 2nd quarter.
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

3.0 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.

4.0 ADP CR3 NON-COMPLIANCE ITEMS

There have been no non-compliance items this quarter.

5.0 CONCERNS NEEDING MANAGEMENT ATTENTION

No concerns needing management attention at this time.

ADP CR3 Decommissioning Quarterly Report
1Q-2023

6.0 SUBMITTED AND PENDING REGULATORY SUBMITTALS

NRC Letter Log and Submittal Register

NUMBER	DATE	FROM ORG	FROM PERSON	SUBJECT	NRC ACCESSION #
N/A	1/23/2023	CR3	White	DEF-Annual FFD Electronic Submittal (Electronic Only Submittal -No letter sent - 1 Month of data, final submission)	ML23023A25
3F0123-01	1/26/2023	CR3	Dixon	Crystal River Unit 3 – Proof of Financial Protection	ML23026A004
3F0323-01	3/2/2023	CR3	Dixon	Crystal River Unit 3 - Onsite Property Insurance Coverage	ML23061A011
3F0323-02	3/29/2023	CR3	State	Annual Decommissioning and Irradiated Fuel Management Financial Status Report	ML23088A387
3F0323-03	3/31/2023	CR3	State	CR3 Decommissioning Funding Plan for Independent Spent Fuel Storage Installation	ML23090A235
3F0423-01	4/4/2023	CR3	Dixon	Crystal River 3 – 2021 Individual Monitoring NRC Form 5 Report	ML23094A079
3F0423-02		CR3		Crystal River 3 - 2022 Annual Radioactive Effluent Release Report	

2023 Crystal River 3 – NRC Submittals		
Submittal	Submittal to be Signed	Comments
License Termination Plan License Amendment	December 31, 2022	10CFR 50.82(a)(9)
- Soil Contour on Settling Ponds		Awaiting confirmation notice that confirmatory samples not required
Proof of Financial Protection, Financial Liability Policy Renewal (ANI)	January 31, 2023	10 CFR 140.15, 140.11(a)(4) Exempted, 10 CFR 140.17(b)
Annual Report for Drug and Alcohol Tests (Electronic Submittal by Security)	March 1, 2023	10 CFR 26.417(b)(2) and 26.717. (LIMITED REPORT FOR 1 MONTH OF 2022) NRC Form 891, Annual Reporting Form for Drug and Alcohol Tests
ISFSI Triennial	March 31, 2023	10 CFR 72.30(c)
Annual Decommissioning and Irradiated Fuel Management Financial Status Report	March 31, 2023	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, 2023	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, 2023	10 CFR 50.54(w)(3)
Radiation Exposure Report To Employees (RPCM initiates)	April 30, 2023	10 CFR 19.13(b) and 10 CFR 20.2206
Annual Radioactive Effluent Release Report and a copy of the ODCM	May 1, 2023	Submit report per 10 CFR 50.36a(a)(2) and ODCM; 10 CFR 72.44(d)(3)
Annual Radioactive Radiological Environmental Operating Report	May 15, 2023	10 CFR 72.44(d)(3); Submit report per ODCM
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) R.G.10.1, Item 70
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
Shipment Notification of Irradiated Fuel or Wastes Across States or Tribal Reservations	As needed	10 CFR 71.97 Postmarked at least 7 days before shipment or 4 days otherwise

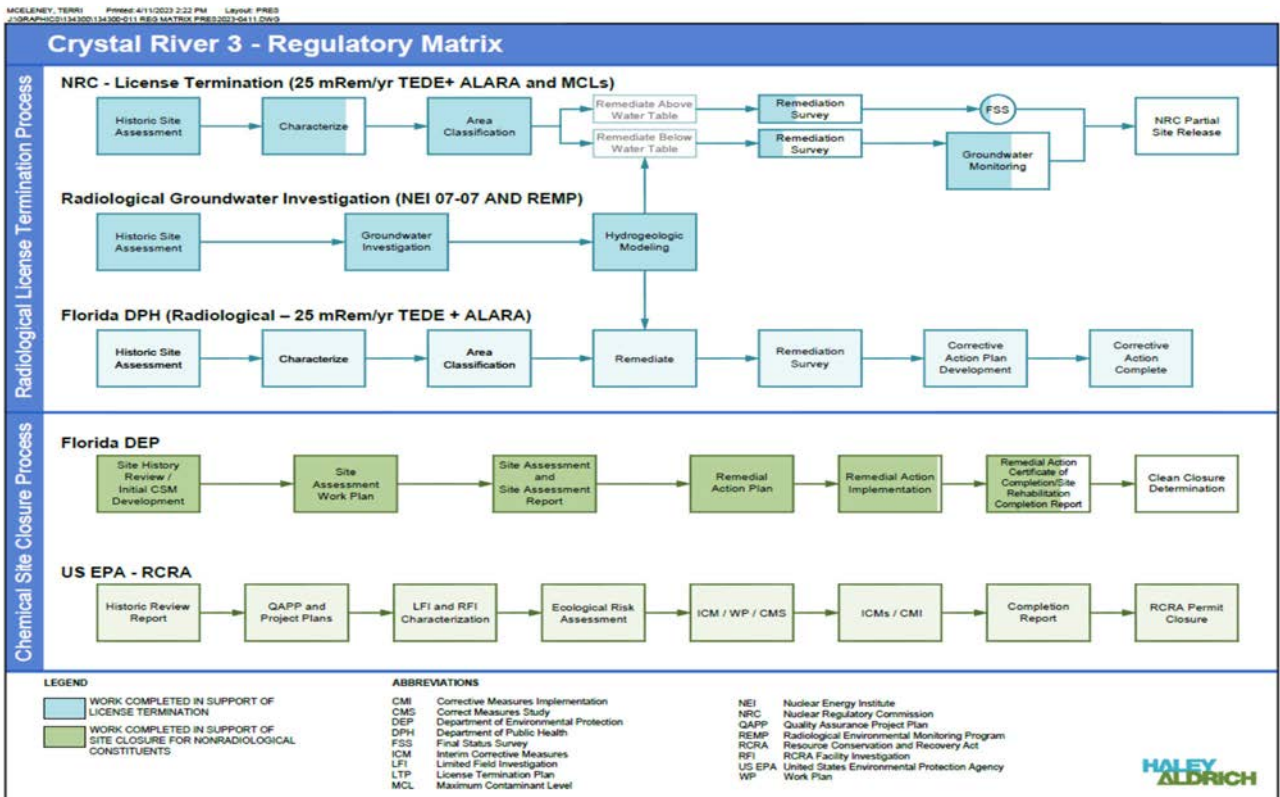
Submittals	NRC Accession/ TAC Number	NRC Approval Requested	Next Expected Action	Comments
License Termination Plan License Amendment	ML22355A441			
- Received comments from the NRC. Awaiting formal letter				Response due within 60 days

ADP CR3 Decommissioning Quarterly Report 1Q-2023

Environmental

Summary of Haley & Aldrich Submittals and Actions Q1 2023 (January through March)					
Number	Date	From Org	From Person	Subject	Submitted To
Site Investigation/Remediation					
	2-Feb-23	ADP CR3	Nadia Glucksberg	Revised Supplemental Report	FDEP
	13-Feb-23	ADP CR3	Nadia Glucksberg	Evaluation of Subgrade Coated Concrete	FDEP
	13-Feb-23	ADP CR3	Nadia Glucksberg	Technical Meeting - Coatings on Basement Structures (for new FDEP Project Manager)	FDEP
	2/6 - 2/16/23	Haley & Aldrich	Miles van Noordennen	AOC2 UST - Fuel Oil UST - Investigations Completed	ADP CR3
	3/24/2023	ADP CR3	Nadia Glucksberg	Site Visit re: Supplemental Investigation Report and Background Evaluation	FDEP
		Haley & Aldrich	Miles van Noordennen	Piping Evaluation Draft	ADP CR3
		Haley & Aldrich	Elida Danaher	LTP Chapter 2 Revision (in progress)	ADP CR3
Permits					
	ongoing	Haley & Aldrich	Elida Danaher	Monthly DMRs per NPDES Permit	FDEP
	27-Feb-23	Haley & Aldrich	Elida Danaher	Tier II Submittal	FDEP
	Mar-23	Haley & Aldrich	Elida Danaher	Updated Duly Authorized Agent for NPDES permit	FDEP
	ongoing	Haley & Aldrich	Nadia Glucksberg	Attended monthly and quarterly updates with DEF	NA
Permitting Support					
	confirmed 2/23/23	ADP CR3	Elida Danaher	Update to Duly Authorized Agent with FDEP (multiple communications)	FDEP
	2/23/2022	ADP CR3	Elida Danaher	Tier II Inspection & Report	E-plan reporting system*
	3/6/2023	Haley & Aldrich	Elida Danaher	Haz Waste Inspection	FDEP
	3/14-3/15/23	Haley & Aldrich	Miles VanNoordennen	Waste Characterization	ADP CR3
	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.



7.0 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	05/31/2023	97 % Complete
3.1.3.4	Planning & Site Preparation LCR and RV/RVI Planning and Engineering RV Planning and Engineering	10/10/2023	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	12/31/2023	49% Complete
4.A.1.1	Large Component Removal Reactor Internals Segmentation Reactor Internals Mobilization, Setup & Commissioning		100% Complete
4.A.1.2	Large Component Removal		100%

ADP CR3 Decommissioning Quarterly Report
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	PAY ITEM/MILESTONE	PLANNED COMPLETE	STATUS
	Reactor Internals Segmentation Reactor Internals Segmentation (Plenum Assembly)		Complete
4.A.1.3	Large Component Removal Reactor Internals Segmentation Reactor Internals Segmentation (Core Support Assembly/Remaining)	05/31/2022	90% Complete
4.A.1.4	Large Component Removal Reactor Internals Segmentation Reactor Internals Waste Packaging, Transportation and Disposal	12/31/2023	19% Complete
4.A.2.1	Large Component Removal Reactor Vessel Segmentation Reactor Vessel Mobilization	4/30/2023	90% Complete
4.A.2.2	Large Component Removal Reactor Vessel Segmentation Reactor Vessel Segmentation	9/15/2023	0% Complete
4.A.3	Large Component Removal Reactor Vessel Segmentation Reactor CRDMs, ICIs, 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	5/31/2023	79% Complete
4.B.1.2	Site Decontamination Remove Plant Systems Auxiliary Building elev 95'	10/16/2023	76% Complete
4.B.1.3	Site Decontamination Remove Plant Systems Auxiliary Building elev 119'	01/02/2024	72% Complete
4.B.1.4	Site Decontamination Remove Plant Systems Intermediate Building	6/30/2023	79% Complete
4.B.1.5	Site Decontamination	07/31/2023	70%

ADP CR3 Decommissioning Quarterly Report
1Q-2023

	PAY ITEM/MILESTONE	PLANNED COMPLETE	STATUS
	Remove Plant Systems Turbine Building		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
5.1.2	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
5.2.1	Site Restoration Firing Range Closure		100% Complete

Notes:

Progress Photos

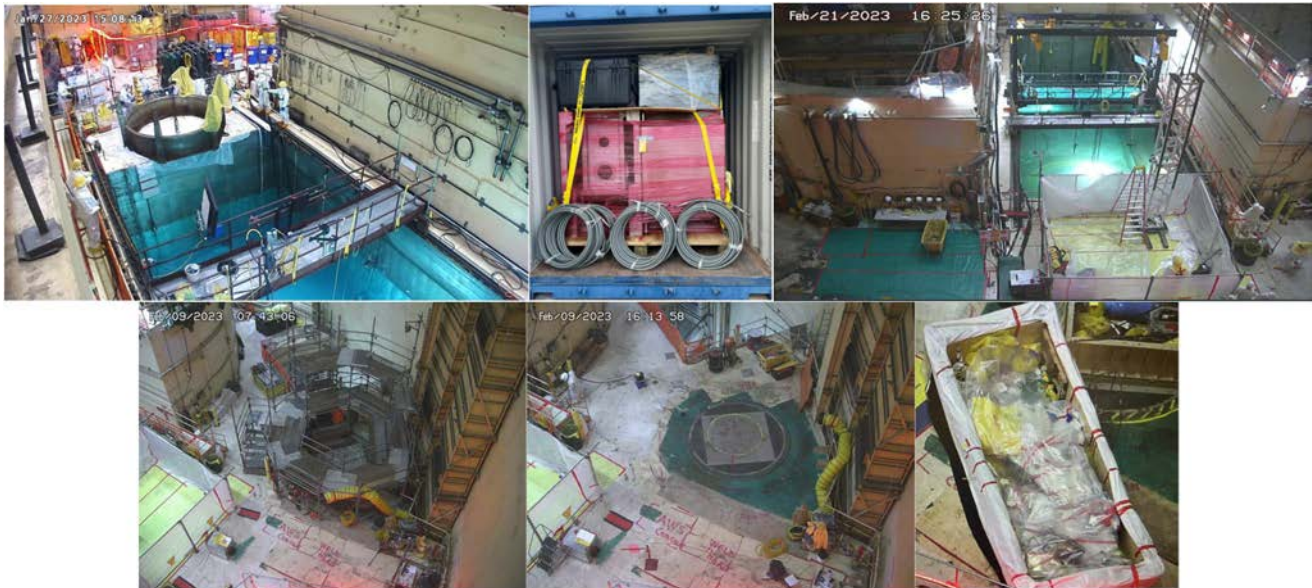
Large Component Removal Work

GTCC waste transfer to dry storage on the ISFSI



RVI Segmentation

Demobilization of RVI Equipment



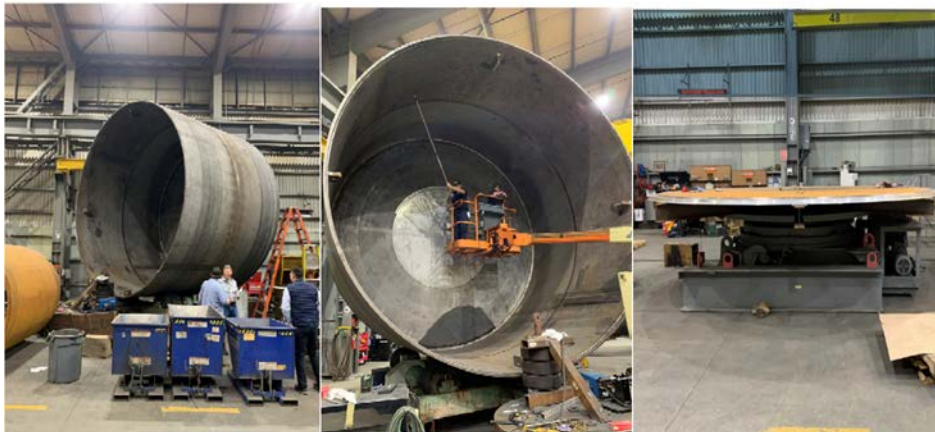
Fuel Transfer Canal Drain Down



Reactor Vessel Seal Plate



Continued RV Package Fabrication

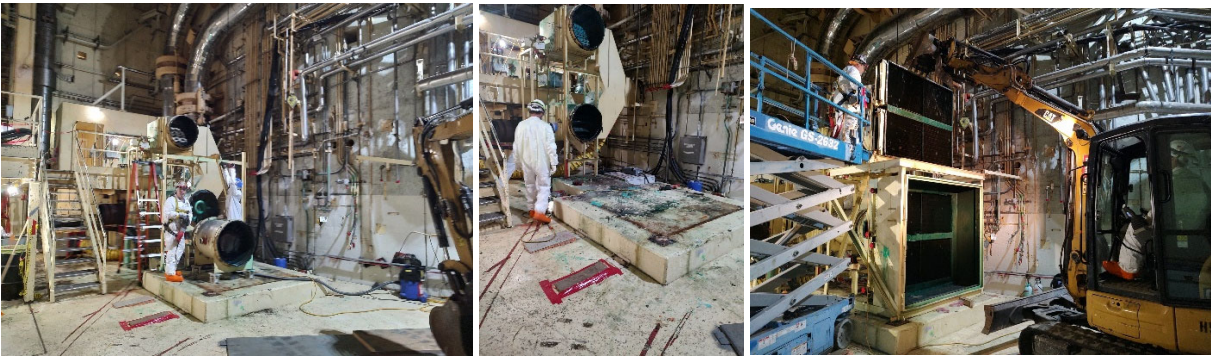


Condenser Removal



Site Decon – Remove Plant Systems

Reactor Building Systems Removal



Auxiliary Building Systems Removal



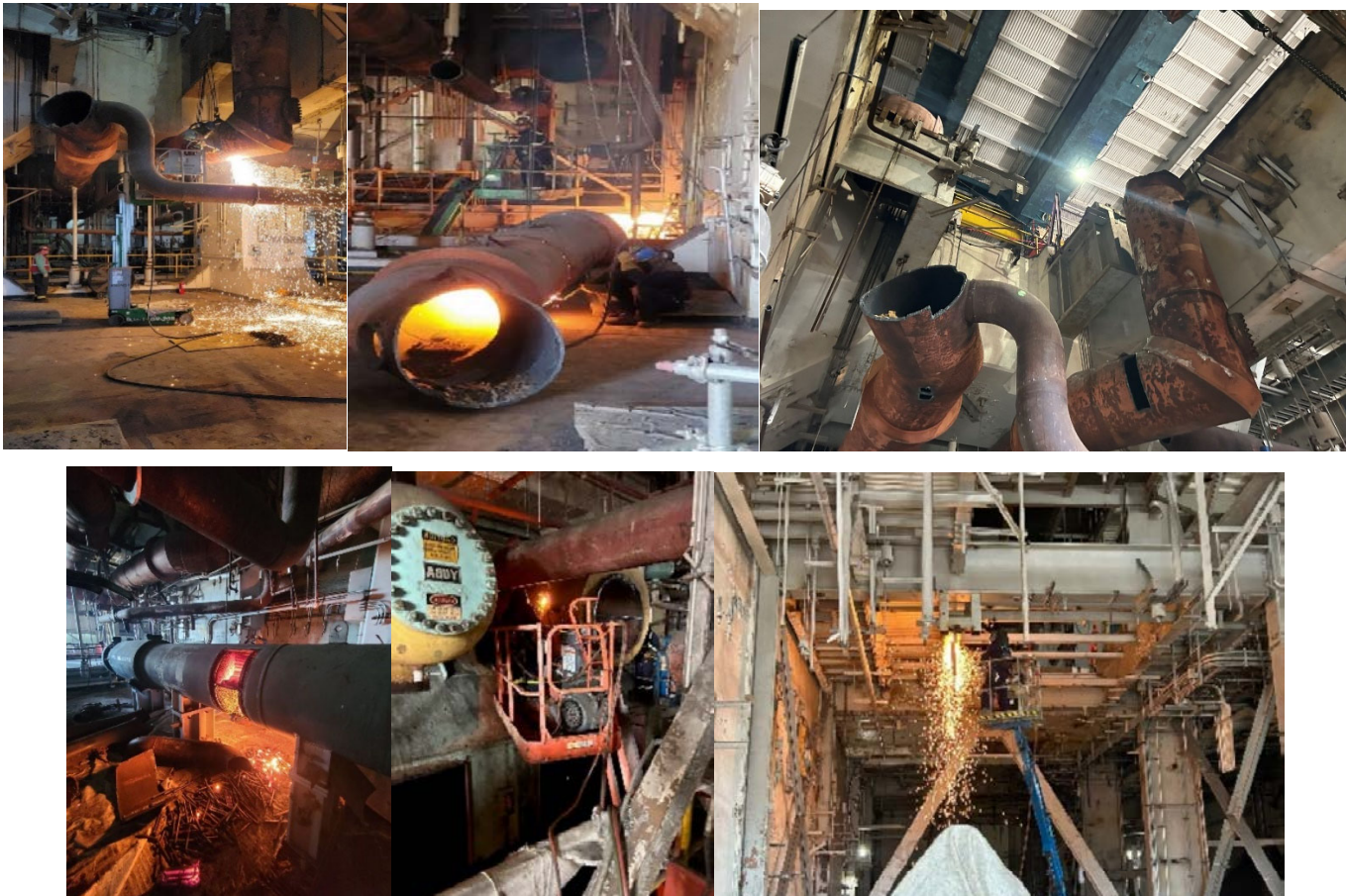
Intermediate Building Systems Removal



Control Complex Systems Removal



Turbine Building Systems Removal



Site Restoration – Misc Building Demolition

RX Vessel Closure Head Storage Building Demolition



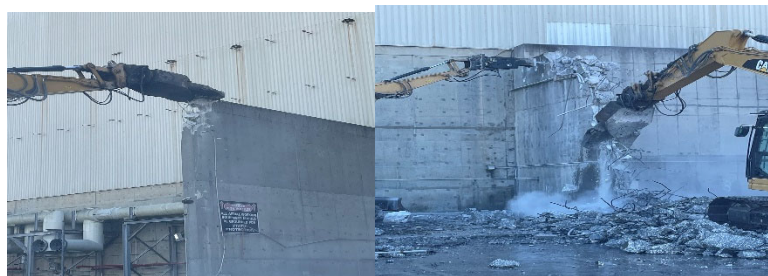
Emergency Feed Tank Building Demolition



Condensate Storage Tank Demolition

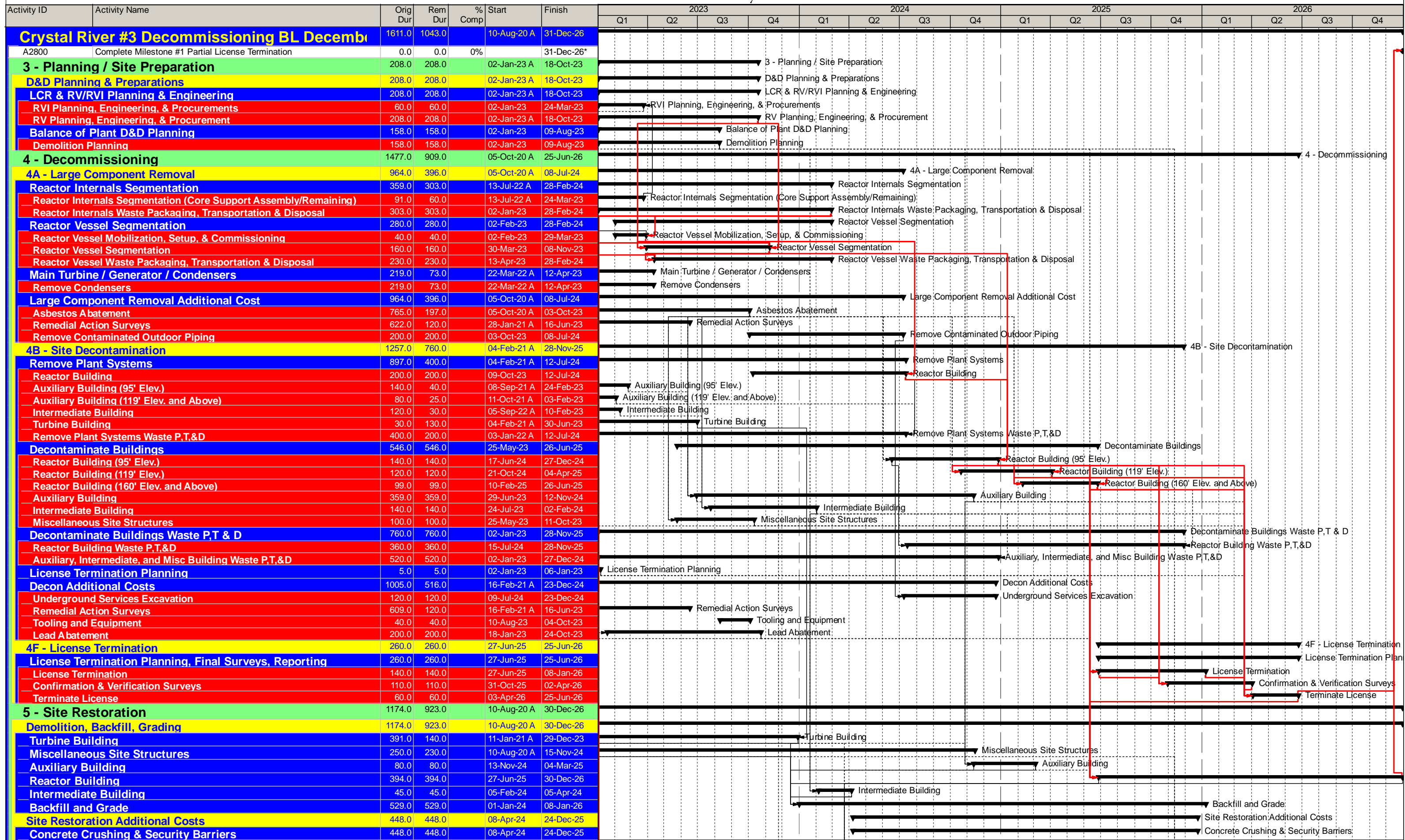


Transformer Separation Walls Demolition



CAS 2 Demolition





Activity ID	Activity Name	Orig Dur	Rem Dur	% Comp	Start	Finish	2023				2024				2025				2026			
							Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	Croncrete Crushing	429.0	429.0		08-Apr-24	27-Nov-25																
	Security VBS	19.0	19.0		28-Nov-25	24-Dec-25																
	CR3 D&D Project - GTCC Management	34.0	34.0		18-Jan-23	06-Mar-23																

Critical Path Summary Schedule

Activity ID	Activity Name	Orig Dur	Rem Dur	% Comp	Start	Finish	2023				2024				2025				2026			
							Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Crystal River #3 Decommissioning BL Decemb																						
A2800	Complete Milestone #1 Partial License Termination	0.0	0.0	0%	13-Jul-22 A	31-Dec-26																
3 - Planning / Site Preparation																						
D&D Planning & Preparations																						
LCR & RV/RVI Planning & Engineering																						
RV Planning, Engineering, & Procurement																						
4 - Decommissioning																						
4A - Large Component Removal																						
Reactor Internals Segmentation																						
Reactor Internals Segmentation (Core Support Assembly/Remaining)																						
Reactor Internals Waste Packaging, Transportation & Disposal																						
Reactor Vessel Segmentation																						
Reactor Vessel Mobilization, Setup, & Commissioning																						
Reactor Vessel Segmentation																						
Reactor Vessel Waste Packaging, Transportation & Disposal																						
4B - Site Decontamination																						
Remove Plant Systems																						
Reactor Building																						
Decontaminate Buildings																						
Reactor Building (95' Elev.)																						
Reactor Building (119' Elev.)																						
Reactor Building (160' Elev. and Above)																						
4F - License Termination																						
License Termination Planning, Final Surveys, Reporting																						
License Termination																						
Confirmation & Verification Surveys																						
Terminate License																						
5 - Site Restoration																						
Demolition, Backfill, Grading																						
Reactor Building																						
CR3 D&D Project - GTCC Management																						