



Dianne M. Triplett
DEPUTY GENERAL COUNSEL

January 25, 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 January 11, 2023 for the quarter ending December 2022. 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 25th day of January, 2023.

s/ Dianne M. Triplett

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Billy E. Reid, Decommissioning Program Manager

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ADP23-0001

January 11, 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 January 25, 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 that reads "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)



ADP CR3, LLC

Decommissioning Quarterly Report

for quarter ending

December 2022

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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 October 1, through December 31, 2022.

Q4 Safety and Environmental Performance

Injury/Illness Summary	4 th Quarter 2022	YTD 2022	PTD 2022
Project Hours	82,330	337,071	694,467
First Aid Cases	1	8	13
Recordable Cases	0	0	0
Lost Workday Cases	0	0	0

- ALARA Actual exposure to date = 23402 mrem vs budget 24150 mrem
- Personnel Contamination = 0
- Heat Stress = 0

This quarter commenced with the continuing work on Segmentation of the Reactor Internals. Core Barrel and Baffle Segmentation finished in November and all parts were loaded into the Reactor Vessel to include Core Assembly, Thermal Shield, Plenum Assembly and Core Support Shield. Reactor Vessel Segmentation mobilization of equipment finished in October with Reactor Vessel Segmentation Starting in 2023. Significant progress continued in the Turbine building, Auxiliary Building and Intermediate building. Emergency Feed Water building demolition completed in December. License Termination Plan was submitted to the NRC in December. 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:

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

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
4Q-2022

6.0 SUBMITTED AND PENDING REGULATORY SUBMITTALS

NRC

NUMBER	DATE	FROM ORG	FROM PERSON	SUBJECT	NRC ACCESSION #
3F0122-01	01/26/22	CR3	Reid	Crystal River 3 – License Amendment Request to remove from the Facility Operating License, Appendix B, "Environmental Protection Plan (Non-Radiological) Technical Specifications"	ML22026A433
3F0122-02	01/17/22	CR3	Dixon	Crystal River Unit 3 – Proof of Financial Protection	ML22018A052
3F0122-03	01/17/22	CR3	Dixon	Crystal River Energy Complex – Environmental Protection Plan Report: 2021 Sea Turtle Rescue and Recovery Summary Report	ML22018A051
3F0222-01	02/09/22	CR3	Dixon	Updated Spent Fuel Management Plan	ML22040A134
3F0222-02	02/09/22	CR3	Dixon	Crystal River 3 – Onsite Property Insurance Coverage	ML22040A135
N/A	02/23/22	CR3	White	DEF-Annual FFD Electronic Submittal (Electronic Only Submittal -No letter sent)	ML22054A075
3F0322-01	03/30/22	CR3	State	Crystal River Unit 3 – Annual Decommissioning and Irradiated Fuel Management Financial Status Report for 2021	ML22089A163
3F0322-02	03/07/22	CR3	Dixon	Crystal River 3 – 2021 Individual Monitoring NRC Form 5 Report.	ML22066A983
3F0322-03	03/10/22	CR3	Dixon	Crystal River 3 – HHS Lab Error Investigation Report. (per 10 CFR 26.719(c)(1))	ML22069A581
3F0322-04	03/23/22	CR3	Dixon	Crystal River 3 (XEG) – DOE/NRC Forms 741, 742 and 743C (SNM Report)	ML22088A055
3F0422-01	04/06/22	CR3	Dixon	Crystal River Unit 3 – 2021 Annual Radioactive Effluent Release Report	ML22096A103
3F0422-02	04/06/22	CR3	Dixon	Crystal River Unit 3 – 2021 Annual Radiological Environmental Operating Report	ML22096A104
3F0522-01	05/17/22	CR3	Reid	Crystal River Unit 3 – Safety Analysis Report, QAPM and 10 CFR 50.59 - 10 CFR 72.48 Report – May 2020	ML22138A042
3F0522-02	05/10/22	CR3	Adix	ADP Financial Report	ML22131A303
3F0522-03	05/28/22	CR3	State	PSDAR and DCE update	ML22148A001
3F1222-01	12/21/22	CR3	Reid	LTP/LAR	ML22355A441

ADP CR3 Decommissioning Quarterly Report 4Q-2022

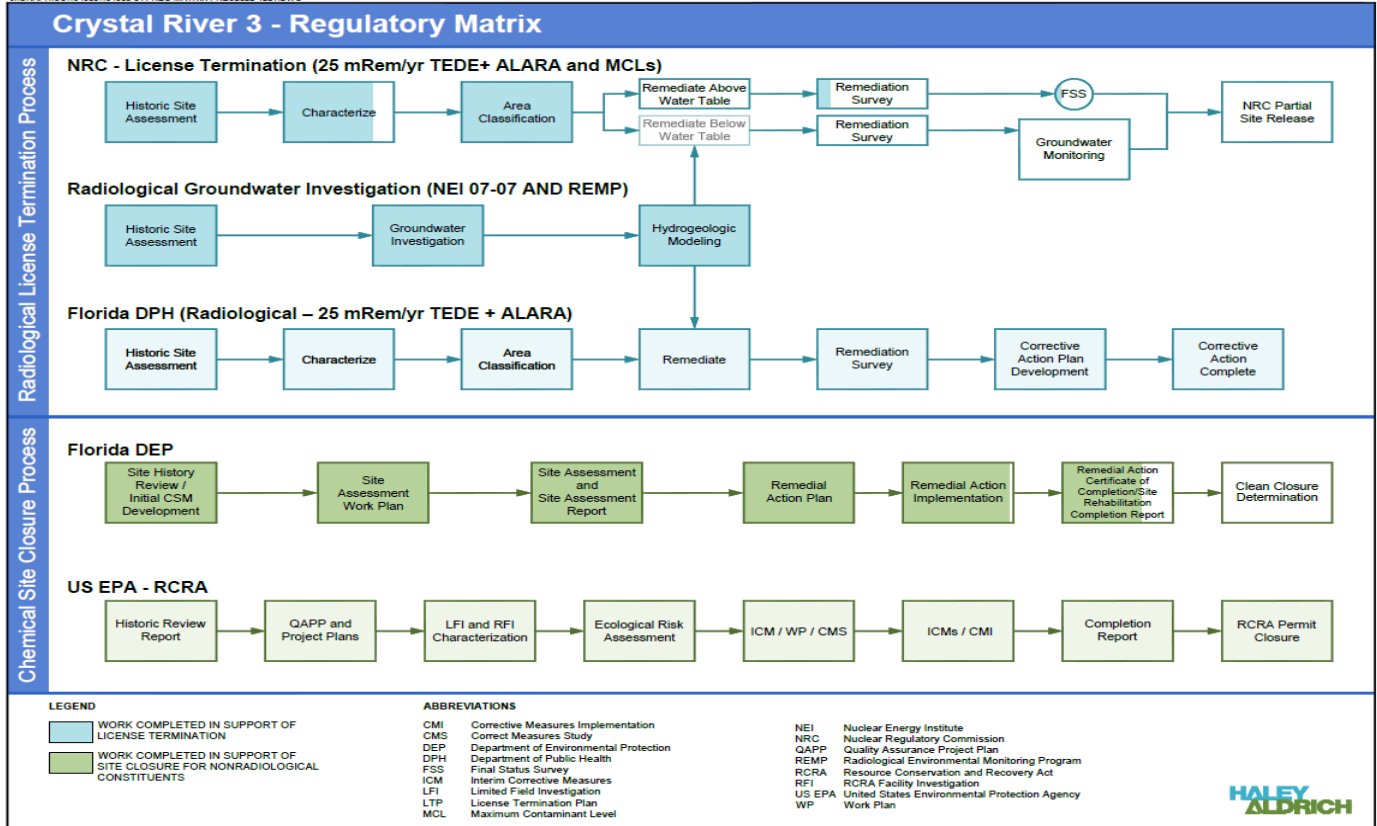
Environmental

Summary of Haley & Aldrich Submittals and Actions Q4 2022 (January through December)

Number	Date	From Org	From Person	Subject	Submitted To
Site Investigation/Remediation					
	28-Feb-22	H&A	Nadia Glucksberg	AOC 12 - Former Firing Range Interim Source Removal Report - Addendum No 1	ADP CR3
	28-Feb-22	H&A	Nadia Glucksberg	Supplemental Site Investigation Report	ADP CR3
3S0322-01	1-Mar-22	H&A	Nadia Glucksberg	AOC 12 - Former Firing Range Interim Source Removal Report Addendum No 1	FDEP
	15-Mar-22	H&A	Nadia Glucksberg	AOC 18 - Settling Basin, Interim Source Removal Report	ADP CR3
	22-Feb-22	H&A	Miles van Noordennen	Building Material Summary Memorandums (Emergency Diesel Gen, Emergency Feedwater Pumpthouse, Central Alarm Station 2 Building, Aux Building)	ADP CR3
	Jan-22			Collection of groundwater samples from AOC 12 and 18 to support ISRP's	
	Feb-22			Well repair for MW-6S and 6D	
	Mar-22			Collection of Coatings (two week field program)	
	May-22	H&A	Elida Danaher	Additional Well Installation and Groundwater Sampling Work Package	ADP CR3
	May-22	H&A	Nadia Glucksberg	NEI 5 Year GW Review	ADP CR3
	Jul-22	H&A	Miles van Noordennen	Building Characterization - Turbine Building	ADP CR3
3S0922-02	Sep-22	H&A	Nadia Glucksberg	AOC 18 - Settling Basin, Interim Source Removal Report (updated, submitted to FDEP)	FDEP
				Conduct Field Program (May/June)	
3S0622-01	1-Mar-22	H&A	Nadia Glucksberg	Background Evaluation for Groundwater	FDEP
	23-Dec-22	H&A	Nadia Glucksberg	Subgrade Coated Concrete Evaluation	ADP CR3
	29-Dec-22	H&A	Elida Danaher	Supplemental Site Investigation Report	ADP CR3
Permitting Support					
	2/22/2022	H&A	Nadia Glucksberg	SPCC Plan Revision	ADP CR3
	2/22/2022	ADP CR3	Elida Danaher	Annual MSGP Report	ADP CR3
		ADP CR3	Elida Danaher	Annual MSGP Report	FDEP
	3/1/2022	ADP CR3	Elida Danaher	Tier II Report	E-plan reporting system*
	Dec 2021; Jan/Feb 2022	ADP CR3	Elida Danaher	Monthly NPDES submittal - Discharge Monitoring Reports	FDEP
	2/28/2022	H&A	Bethany Brooks	Wastewater Regulatory Program and Surveillance Fee - paid	FDEP
	3/25/2022	H&A	Nick Davis	Facilitated removal of turtle reporting from license	FDEP/ADP CR3
	March 2022	H&A	Elida Danaher	Annual Toxicity Testing - testing start 3/31/22	FDEP
	March 2022	H&A	Elida Danaher	Wastewater Regulatory Program - update ADP point of contact	FDEP
	21-Jun-22	H&A	Elida Danaher	Submitted Request for new Site Contact (Guy McCallum) for permit compliance.	FDEP
	15-Jun-22	H&A	Bethany Brooks	Storage Tank Renewal fee - paid	FDEP
3S0622-01	21-Jun-22	H&A	Elida Danaher	NPDES Contact Updated	FDEP
3S0922-01	6-Sep-22	H&A	Elida Danaher	EPA QA Study 42 in Support of NPDES Program	US EPA
	1-Nov-22	H&A	Miles van Noordennen	SPCC Plan Revision	ADP CR3
		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.

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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	03/31/2023	95 % Complete
3.1.3.4	Planning & Site Preparation LCR and RV/RVI Planning and Engineering RV Planning and Engineering	5/10/2023	75% 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	3/31/2023	44% 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)	03/31/2022	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	3/31/2023	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	3/31/2023	79% Complete
4.B.1.2	Site Decontamination Remove Plant Systems Auxiliary Building elev 95'	4/06/2023	76% Complete
4.B.1.3	Site Decontamination Remove Plant Systems Auxiliary Building elev 119'	4/06/2023	76% Complete
4.B.1.4	Site Decontamination Remove Plant Systems Intermediate Building	5/30/2023	55% Complete
4.B.1.5	Site Decontamination	12/31/2022	70%

ADP CR3 Decommissioning Quarterly Report
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	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
5.2.1	Site Restoration Firing Range Closure		100% Complete

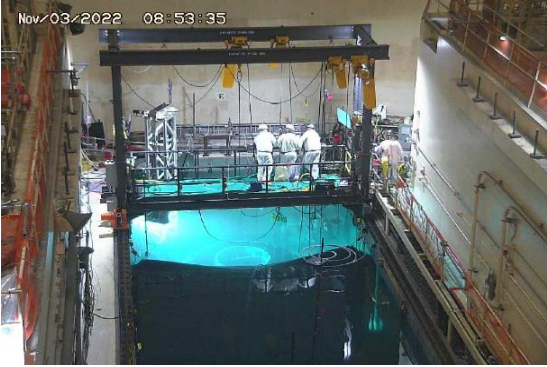
Notes:

Progress Photos

Large Component Removal Work

RVI Segmentation

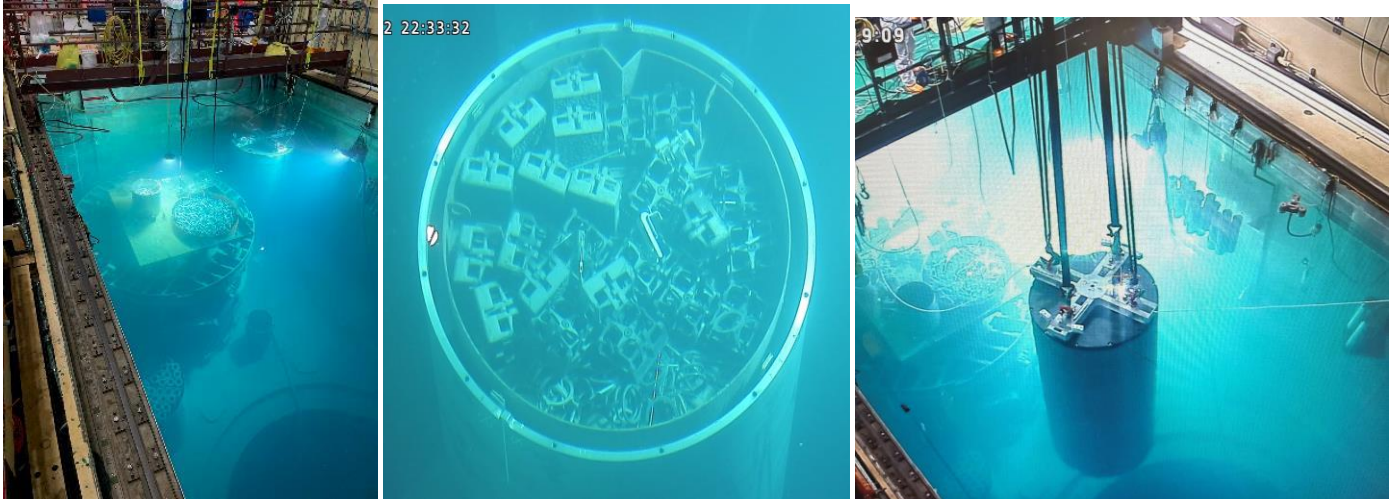
RVI Core Barrel & Baffle Segmentation



Load Internals into Reactor Vessel



Loading of Legacy GTCC Waste



Continued RV Package Fabrication



Condenser Removal



Site Decon – Remove Plant Systems

Auxiliary Building Systems Removal





Intermediate Building Systems Removal



Site Restoration – Misc Building Demolition

Emergency Feed Water Pump Building 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
Crystal River #3 Decommissioning BL Decemb																						
A2800	Complete Milestone #1 Partial License Termination	0.0	0.0	0%	10-Aug-20 A	31-Dec-26																
3 - Planning / Site Preparation																						
D&D Planning & Preparations																						
LCR & RV/RVI Planning & Engineering																						
RVI Planning, Engineering, & Procurements																						
RV Planning, Engineering, & Procurement																						
Balance of Plant D&D Planning																						
Demolition Planning																						
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																						
Main Turbine / Generator / Condensers																						
Remove Condensers																						
Large Component Removal Additional Cost																						
Asbestos Abatement																						
Remedial Action Surveys																						
Remove Contaminated Outdoor Piping																						
4B - Site Decontamination																						
Remove Plant Systems																						
Reactor Building																						
Auxiliary Building (95' Elev.)																						
Auxiliary Building (119' Elev. and Above)																						
Intermediate Building																						
Turbine Building																						
Remove Plant Systems Waste P,T,&D																						
Decontaminate Buildings																						
Reactor Building (95' Elev.)																						
Reactor Building (119' Elev.)																						
Reactor Building (160' Elev. and Above)																						
Auxiliary Building																						
Intermediate Building																						
Miscellaneous Site Structures																						
Decontaminate Buildings Waste P,T & D																						
Reactor Building Waste P,T,&D																						
Auxiliary, Intermediate, and Misc Building Waste P,T,&D																						
License Termination Planning																						
Decon Additional Costs																						
Underground Services Excavation																						
Remedial Action Surveys																						
Tooling and Equipment																						
Lead Abatement																						
4F - License Termination																						
License Termination Planning, Final Surveys, Reporting																						
License Termination																						
Confirmation & Verification Surveys																						
Terminate License																						
5 - Site Restoration																						
Demolition, Backfill, Grading																						
Turbine Building																						
Miscellaneous Site Structures																						
Auxiliary Building																						
Reactor Building																						
Intermediate Building																						
Backfill and Grade																						
Site Restoration Additional Costs																						
Concrete Crushing & Security Barriers																						

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																

