

Stephanie A. Cuello

July 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 July 11, 2025, for the quarter ending June 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

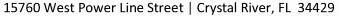
I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail to the following this 23rd day of July, 2025.

/s/ Stephanie A. Cuello
Attorney

Suzanne Brownless Florida Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850 sbrownle@psc.state.fl.us

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Billy E. Reid, Decommissioning Program Manager c.865.384.6789

BReid@NorthStar.com

ADP25-0015

July 11, 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 July 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 breid@northstar.com or 865-384-6789.

Sincerely,

Billy E. Reid

Decommissioning Program Manager

Cc: Anthony Doruff (ADP / NS)

Luke Self (ADP / NS)

Nelson Langub (ADP / NS)

David Pearson (ADP / NS)

James Seals (ADP / Orano)



Decommissioning Quarterly Report

for quarter ending

June 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 April 1, through June 30, 2025.

Q2 Safety and Environmental Performance

Injury/Illness Summary	2nd Quarter 2025	YTD 2025	PTD 2025
Project Hours	61,990	128,132	1,565,765
First Aid Cases	1	1	21
Recordable Cases	0	0	1
Lost Workday Cases	0	0	0

- First Aid Cases 1 (arm abrasion)
- ALARA Exposure 2nd quarter 2025: 408 mrem vs 400 mrem quarter budget. Annual dose goal is reduced to 1200 mrem.
- Personnel Contamination events 2nd qtr: No PCEs field.
- NRC Inspections identified a potential low safety significance violation for smoke generated during hot work of the fuel transfer tubes on 4/28/25.
- 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 from both buildings will continue into 3rd quarter. BWST demolition was completed in Q2. Completion of this structure allows for the demolition of the remaining Auxiliary Building structures in the Seawater Room and Decay Heat Vault. Remaining decon of the Auxiliary Building below grade structure to Final Status Survey standards will complete in Q3. Reactor building systems removal is ongoing scheduled to be completed in the first half of Q3 with the removal of the sump. Decon of the interior of the Reactor Building to FSS Standards will start in early Q3 and is scheduled to finish by the end of Q3. 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.

7.0 SUBMITTED AND PENDING REGULATORY SUBMITTALS

NRC Letter Log and Submittal Register

NUMBER	DATE	FROM ORG	FROM PERSON	SUBJECT	NRC ACCESSION#	Notes
3F0425-01	4/15/2025	CR3	Reid	Late Received Radiological Shipment	ML25105A136	Submitted to records
3F0425-02	4/17/2025	CR3	Reid	Crystal River 3 - 2024 Annual Radioactive Effluent Release Report (ARERR)	ML25107A158	Submitted to records
3F0425-03	4/23/2025	CR3		Crystal River 3 – 2024 Individual Monitoring NRC Form 5 Report	ML25113A088	Submitted to records
3F0525-01	5/5/2025	CR3	Van Sicklen	Crystal River 3 - 2024 Annual Radioactive Environmental Operating Report (AREOR)	ML25127A372	Submitted to records
3F0525-02	5/28/2025	CR3	Adix	Annual Corporate Financial Report (Att1 and Att2/Confidential)	ML25148A304 ML25148A005 (Confidential)	Submitted to records
3F0625-01	6/19/2025	CR3	Reid	Phase 2 Partial Site Release Revision / License Amendment Request	ML25170A018 (Cover Page), ML25170A019 (Att1), ML25170A020 (Att2), ML25170A021 (Att3), ML25170A020 (Att5), ML25170A024 (Att5), ML25170A026 (Att6), ML25170A026 (Att6), ML25170A029 (Att7), ML25170A026 (Att8), ML25170A029 (Att9), ML25170A031 (Att11), ML25170A033 (Att13), ML25170A03 (Att13), ML25170A03 (Att13), ML25170A03 (Att13), ML25170A03 (Att13), ML25170A03 (Att13), ML25170A03 (Att13),	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 and 10 CFR 20.2206(b)			
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 ML25105A136			
Partial Site Release 2	ML25041A177 (Package ML)			
Response to Partial Site Release 2 Regulatory Audit Questions	ML TBD			

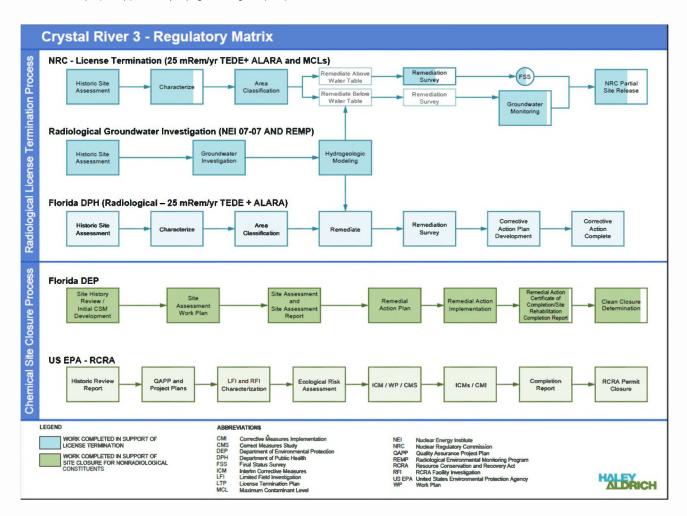
Environmental

AOC Status Table attached.

Summary of Haley & Aldrich Submittals and Actions 2Q2025

	N - 1		land and the second		
Number	Date	From Org	From Person	Subject	Submitted To
Site Inves	ite Investigation/Remediation				
	4/1/2025	ADP CR3	Billy Reid	Beneficial Reuse of Concrete Debris	Southern Site & Power
	4/1/2023	ADF CAS	Dilly Neid	believes rease of concrete being	Construction
	6/11/2025	Haley & Aldrich	Miles van Noordennen	Well Activities Memo to File - June 2025	ADP CR3
	6/30/2025	Haley & Aldrich	Miles van Noordennen	Well Activities Memo to File w/Well Completion Report Attach - June 2025	ADP CR3
Permits					
	ongoing	Haley & Aldrich	Elida Danaher	Monthly DMRs per NPDES Permit	FDEP
	4/21/2025	FDEP	Stefaney Pover	ERP extension approval (to 12/31/2027)	Haley & Aldrich
	5/15/2025	Haley & Aldrich	Miles van Noordennen	IWP Sample Data Submittal (original sampling)	FDEP
	6/24/2025	Haley & Aldrich	Miles van Noordennen	IWP Sample Data Submittal (re-sampling)	FDEP
	6/24/2025	Haley & Aldrich	Miles van Noordennen	SWPPP Update	ADP CR3
	6/25/2025	Haley & Aldrich	Miles van Noordennen	SPCC Update	ADP CR3
	6/27/2025	FDEP	Frank Wall	Notice of Draft Permit (IWP)	ADP CR3
Permittin	g Support				
	ongoing	Haley & Aldrich	Nadia Glucksberg	Attended monthly and quarterly updates with DEF	NA
		Elida Danaher & Miles van		ADD CD2	
	ongoing	H&A	Noordennen	Weekly Support for Permitting	ADP CR3
	6/27/2025	FDEP	Frank Wall	Public Notice Posting (for draft IWP permit)	Haley & Aldrich

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		100%
3.1.1.1	Utilities Reactivation		Complete
3.1.1.2	Planning & Site Preparation		100%
3.1.1.2	Containment Access, Waste Handling Areas		Complete
212	Planning & Site Preparation		100%
3.1.2	Site Characterization		Complete
	Planning & Site Preparation		1000/
3.1.3.1	LCR and RV/RVI Planning and Engineering		100% Complete
	General transition Planning/Engineering		complete
	Planning & Site Preparation		1000/
3.1.3.2	LCR and RV/RVI Planning and Engineering		100% Complete
	Site/Plant infrastructure Planning and Engineering		Complete
	Planning & Site Preparation		100.0/
3.1.3.3	LCR and RV/RVI Planning and Engineering		100 % Complete
	RVI Planning and Engineering		complete
	Planning & Site Preparation		1000/
3.1.3.4	LCR and RV/RVI Planning and Engineering		100% Complete
	RV Planning and Engineering		Jonn proces
	Planning & Site Preparation		1000/
3.1.3.5	LCR and RV/RVI Planning and Engineering		100% Complete
	LCR Planning and Engineering		Complete
	Planning & Site Preparation		1000/
3.1.4.1	Balance of Plant D&D Planning		100% Complete
	Temporary Utilities, Site Preparation Planning		complete
	Planning & Site Preparation		100%
3.1.4.2	Balance of Plant D&D Planning		Complete
	Turbine, Condenser, Steam Generator Removal Planning		Complete
	Planning & Site Preparation		1000/
3.1.4.3	Balance of Plant D&D Planning		100% Complete
	Systems Removal and Decon Work Planning		complete
	Planning & Site Preparation		10551
3.1.4.4	Balance of Plant D&D Planning		100% Complete
	Demolition Work Planning		Complete
27	Large Component Removal		100%
4.A.1.1	Reactor Internals Segmentation		Complete
	Reactor Internals Mobilization, Setup & Commissioning	Marian Ma	

	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, 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		100% Complete
4.B.1.1	Site Decontamination Remove Plant Systems Reactor Building	9/30/2025	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

	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	9/30/2025	52% Complete
4.B.2.4	Decontaminate Auxiliary Building	7/31/2025	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	A - 9/30/25	0% Complete

	PAY ITEM/MILESTONE	PLANNED COMPLETE	STATUS
	A/B Warehouse Complex Removal		
5.1.2	Site Restoration Demolish Miscellaneous Site Structures BWST Building Demo		100% Complete
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

Progress Photos

Reactor Building System Removal, Decon and Interior Demo



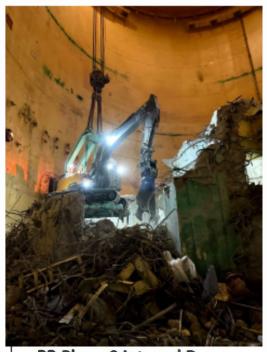
RB Phase 2 Internal Demo



RB Phase 2 Internal Demo



RB Phase 2 Internal Demo



RB Phase 2 Internal Demo



RB Penetrations Removal and Abatement



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



Power Block – Decon Wall paint Removal & RP Survey



Power Block - Decon Wall paint Removal



Power Block Final Decon

BWST and BST Demolition



BWST- Concrete Removal



BWST Concrete Shell demolition



BWST- Steel Tank Demolition



Building spray tank demo





BST Tanks removal

BST Tanks removal complete

Site Backfill Staging



Stockpile Area 1 – receiving backfill material



Stockpile Area 2 – receiving backfill material

Site Loadout Operations





Loadout Rail Cars

Loadout Rail Cars

SUMMARY OF AOC STATUS; 2Q 2025 CRYSTAL RIVER 3 NUCLEAR POWER PLANT

CRYSTAL RIVER, FLORDIA

Area Of Concern	Characterization	Remaining Data Gaps?	Remediation Required	Recommendations
AOC 1 - Transformers	. %	No, however in accordance with the Post-Demo Survey Plan, visual inspection and soil screening should be performed once pads/vaults are removed. Similar survey and sampling effort has also been requested by FDEP.	No	Visual surveys to be conducted following the removal of transformers located within the contact limits. Additionally, sub-slab soil should be screened once pads/vaults are removed.
AOC 2 - Fuel Oil Underground Storage Tanks (UST) - Emergency Diesel Generator and Lube Oil Tanks	sampling/characterization will be completed. Lube Oil tanks have been removed, but additional soils require excavation. If piping remains in place additional sampling/characterization will be	EDG Tanks have been filled in place and closed with FDEP approval. Lines remain in place and require removal or additional sampling/characterization to be closed out. Lube Oil tanks have been removed, but additional soils require excavation. Lines remain in place and require removal or additional sampling/characterization to be closed out.	No Yes	FDEP approved closure report for tanks. Closure report to be completed once additional soils are removed and confirmation samples collected.
AOC 3 - Receiving Warehouse	Characterization complete.	No.	No	Visual surveys to be conducted if the flooring slab is removed.
AOC 4 - Issue Warehouse	Characterization complete.	No	No	Visual surveys to be conducted if the flooring slab is removed.
AOC 14 - Sandblast Booth	Characterization complete.	No	No	Visual surveys to be conducted following the removal the flooring slab.

ABBREVIATIONS AND NOTES:

AOC - Area of Concern

CTLs - Cleanup Target Levels

PCS - Potential Contamination Source

