

Stephanie A. Cuello

October 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 October 10, 2025, for the quarter ending September 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 October, 2025.

/s/ Stephanie A. Cuello
Attorney

Suzanne Brownless Florida Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850 <a href="mailto:sbrownle@psc.state.fl.us">sbrownle@psc.state.fl.us</a>

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**Billy E. Reid,** Decommissioning Program Manager c.865.384.6789

BReid@NorthStar.com

ADP25-0020

October 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 October 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

September 2025

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COMPLETED AND NEAR-TERM SCHEDULE MILESTONES......7

7.0

### 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 July 1, through September 30, 2025.

### Q3 Safety and Environmental Performance

Injury/Illness Summary	3 <sup>rd</sup> Quarter 2025	YTD 2025	PTD
Project Hours	56,786	184,918	1,622,551
First Aid Cases	0	1	21
Recordable Cases	0	0	1
Lost Workday Cases	0	0	0
Report Only	1	1	23
Environmental	0	0	5

- First Aid Cases 0
- ALARA Exposure 3rd quarter 2025: 266 mrem vs 300 mrem budget. 975 mrem YTD vs 1200 mrem annual goal.
- Personnel Contamination events 3rd qtr: No PCEs
- 3<sup>rd</sup> Quarter NRC Inspection identified no issues
- Heat Stress = 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 4th quarter. Seawater Room demolition was completed in Q3 and the start of Decay Heat Vault roof demolition. Completion of these structures allows for the completion of decontamination activities in the Auxiliary Building. Remaining decon of the Auxiliary Building below grade structure to Final Status Survey standards will complete in early Q4. Reactor building systems removal is ongoing scheduled to be completed in late Q4 with the removal of the sump. Decon of the interior of the Reactor Building to FSS Standards started early in Q3 and is scheduled to finish by the end of Q4. No spent nuclear fuel related violations, environmental non-compliance, or significant industrial safety events occurred or were reported.

### 2.0 SUMMARY OF REGULATORY EVENTS AND REPORTS

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 currently.

## **6.0 SUBMITTED AND PENDING REGULATORY SUBMITTALS**

# NRC Letter Log and Submittal Register

NUMBER	DATE	FROM ORG	FROM PERSON	SUBJECT	NRC ACCESSION #	Notes
3F0825-01	8/4/2025	CR3	Reid	Late Received Radiological Shipment	ML25216A119	Submitted to records
3F0925-02	9/30/2025	CR3	Van Sicklen	ENS Phone Change	ML25216A119	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			
	ML25216A119			
Partial Site Release 2	ML25041A177 (Package ML)			
Response to Partial Site Release 2 Regulatory Audit Questions	ML25170A017			

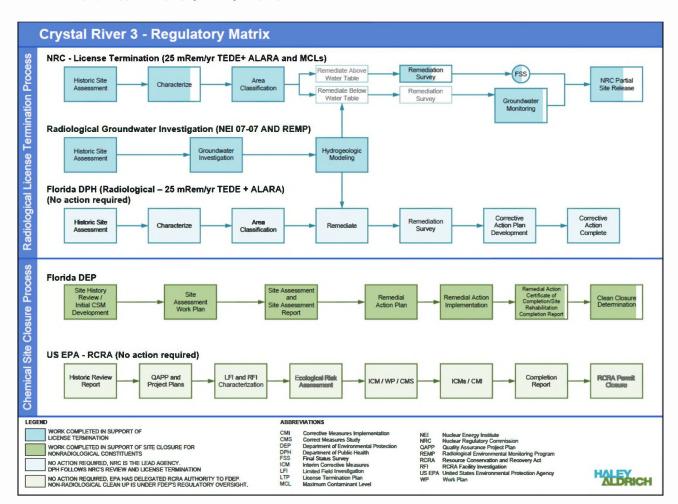
## **Environmental**

### AOC Status Table attached.

Summary of Haley & Aldrich Submittals and Actions 3Q2025

Number	Date	From Org	From Person	Subject	Submitted To
Site Inves	tigation/Remediation				
	7/14/2025	Haley & Aldrich	Miles van Noordennen	CR West Stokes Pit Borrow Material Evaluation	ADP CR3
	7/29/2025	Haley & Aidrich	Miles van Noordennen	Stormwater and Erosion Controls Site Inspection	ADP CR3
	ongoing	Haley & Aldrich	Elida Danaher	LTP Compilation Support	ADP CR3
Permits					
	ongoing	Haley & Aldrich	Elida Danaher	Monthly DMRs per NPDES Permit	FDEP
	7/8/2025	FDEP	Matthew Vincent	Permit Determination Update (NPDES Stormwater Inspection & comms re: should Gen Constr Permit replace MSGP - FDEP reviewing)	ADP CR3
	7/8/2025	FDEP	Steven Tafuni	In-Compliance Letter - NPDES Industrial Stormwater Inspection	ADP CR3
	8/13/2025	FDEP	Lauren Gottfried	Intent to Issue (FL0A00004-006-IW1S - operation of wastewater treatment and effluent disposal facilities)	ADP CR3
	9/3/2025	FDEP	Lauren Gottfried	Formal Issuance for FL0A00004-006-IW1S - operation of wastewater treatment and effluent disposal facilities (IWP renewal)	ADP CR3
ermittin	g Support				
	7/11/2025	Citrus Co. Chronicle	Evelyn Larsen	Affidavit of Publication - draft permit (H&A forworded to ADP)	FDEP
	8/19/2025	Citrus Co. Chronicle	Evelyn Larsen	Affidavit of Publication - NOI permit (H&A forwarded to ADP)	FDEP
	8/19/2025	Haley & Aldrich	Miles van Noordennen	Stormwater Control Inspection & Soil Stockpile Inspection Photo Log (& email summary)	ADP CR3
	ongoing	Haley & Aldrich	Nadia Glucksberg	Attended monthly and quarterly updates with DEF	NA.
	ongoing	Haley & Aldrich	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		100%
3.1.1.1	Utilities Reactivation		Complete
3.1.1.2	Planning & Site Preparation		100%
	Containment Access, Waste Handling Areas		Complete
3.1.2	Planning & Site Preparation		100%
	Site Characterization		Complete
	Planning & Site Preparation	1-1-1	100%
3.1.3.1	LCR and RV/RVI Planning and Engineering		Complete
	General transition Planning/Engineering		<u> </u>
	Planning & Site Preparation		100%
3.1.3.2	LCR and RV/RVI Planning and Engineering		Complete
	Site/Plant infrastructure Planning and Engineering		
	Planning & Site Preparation		100 %
3.1.3.3	LCR and RV/RVI Planning and Engineering		Complete
	RVI Planning and Engineering		
	Planning & Site Preparation		100%
3.1.3.4	LCR and RV/RVI Planning and Engineering		Complete
	RV Planning and Engineering		
	Planning & Site Preparation		100%
3.1.3.5	LCR and RV/RVI Planning and Engineering		Complete
	LCR Planning and Engineering		
	Planning & Site Preparation		1000/
3.1.4.1	Balance of Plant D&D Planning		100% Complete
	Temporary Utilities, Site Preparation Planning		
	Planning & Site Preparation		1000/
3.1.4.2	Balance of Plant D&D Planning		100% 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		125-1
3.1.4.4	Balance of Plant D&D Planning		100% Complete
	Demolition Work Planning		Complete
P 1	Large Component Removal		100%
4.A.1.1	Reactor Internals Segmentation		Complete
	Reactor Internals Mobilization, Setup & Commissioning		·

	PAY ITEM/MILESTONE	PLANNED COMPLETE	STATUS
	Large Component Removal		100%
4.A.1.2	Reactor Internals Segmentation		Complete
	Reactor Internals Segmentation (Plenum Assembly)		'
4 4 4 2	Large Component Removal		100%
4.A.1.3	Reactor Internals Segmentation Reactor Internals Segmentation (Core Support Assembly/Remaining)		Complete
	Large Component Removal		
4.A.1.4	Reactor Internals Segmentation		100%
1.7 (1.1.1	Reactor Internals Waste Packaging, Transportation and Disposal		Complete
77	Large Component Removal		
4.A.2.1	Reactor Vessel Segmentation		100%
	Reactor Vessel Mobilization		Complete
	Large Component Removal		100%
4.A.2.2	Reactor Vessel Segmentation		Complete
	Reactor Vessel Segmentation	d con	Complete
	Large Component Removal		100%
4.A.3	Reactor Vessel Segmentation		Complete
	Reactor CRDMs, ICIs, Services Structure		·
	Large Component Removal		100%
4.A.4.1	Reactor Coolant System		Complete
	Reactor Coolant Piping		
	Large Component Removal		100%
4.A.4.2	Reactor Coolant System		Complete
	Reactor Coolant System Pumps and Motors		<u>'</u>
	Large Component Removal		1000/
4.A.5	Reactor Coolant System		100% Complete
	Pressurizer and Relief Tank		00111,000
	Large Component Removal		1000/
4.A.6.5	Steam Generators		100% Complete
	Steam Generator Package, Transportation and Disposal		Complete
	Large Component Removal		1000/
4.A.7.1	Main Turbine/Generator/Condensers		100% Complete
	Turbine and Generator Removal	16	complete
4.A.7.1	Large Component Removal	140	100%
4.7.1	Condenser Removal		Complete
	Site Decontamination		
4.B.1.1	Remove Plant Systems	11/30/2025	88% Complete
	Reactor Building		
4013	Site Decontamination	100 - 200	100%
4.B.1.2	Remove Plant Systems Auxiliary Building elev 95'		Complete
	Site Decontamination		
4.B.1.3	Remove Plant Systems	1 a A 1	100%
	Auxiliary Building elev 119'	19 01	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-	Decontaminate Reactor Building	12/31/2025	67% Complete
4.B.2.4	Decontaminate Auxiliary Building	10/31/2025	98% 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
4.F.1.1	License Termination License Termination Survey	12/31/2026	22% 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

	PAY ITEM/MILESTONE	PLANNED COMPLETE	STATUS
5.1.2	Site Restoration Demolish Miscellaneous Site Structures A/B Warehouse Complex Removal	A - 11/30/25	0% Complete
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 Penetration Removal** 



RB 119' Floor Openings



RB 119' Floor Demo



**RB Core Barrel Removal** 



**RB Bravo D-Ring Demolition** 

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





**Seawater Room Roof Demo** 

**Seawater Room Wall Demo** 

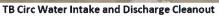


Seawater Room Demo Complete Steel & Concrete Loadout



**Decay Heat Vault Roof Demo** 







Cleaning out the Intakes

# Final Status Surveys



**CC East Wall** 



**TB FSS Scanning** 

# Site Backfill Staging



Stockpile Backfill Area 1







Hydroseeding area 2

# **Site Loadout Operations**



**Loading Railcars** 



**Waste Bag Staging** 



Railcar Live Loading

SUMMARY OF AOC STATUS; 3Q2025 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.		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 completed.	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

