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May 26, 2022

**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 Revised Decommissioning Quarterly Report received from Accelerated Decommissioning Partners (ADP) for the quarter ending March 2022. The CR3 Quarterly Report is being revised to change the date in Section 1.0 from January 2021 to January 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.” The original report was submitted on April 20, 2022.

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 26<sup>th</sup> day of May, 2022.

s/ Dianne M. Triplett

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# Decommissioning Quarterly Report

for quarter ending

## March 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 January 1, through March 31, 2022.

### Q1 Safety and Environmental Performance

- ADP Total Hours Q1/2022 – 82,481MH
- First Aid – 4, OSHA Recordable – 0, Lost Time Cases – 0,
- COVID –82 total – 82 returned to work, 30 new cases for 1<sup>st</sup> Quarter
- ALARA Actual exposure to date = 4500 mrem vs budget 8486 mrem
- Personnel Contamination = 0
- NRC Non cited violation for fire January 2022

This quarter commenced with the continuing work on preparations of the RPV and RPVI to support Segmentation. Reactor Flood up, Reactor head removal and RVI plenum removal, Core Support Assembly removal and additional preparation of the Reactor Vessel to receive Internal Segments was completed this quarter in preparation for Reactor Segmentation. Significant progress continued in the Turbine building, Auxiliary Building, and Diesel Generator Building. Building Demolition started on the Diesel Generator Building with planned completion Jan 2022. Planning and preparations continued for Reactor Vessel Internals. 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 violation for a fire in January 2022 as identified by the NRC Inspector.

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.

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**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.

**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 ( <b>Electronic Only Submittal -No letter sent</b> )	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/XX/2022	CR3	Dixon	Crystal River Unit 3 – 2021 Annual Radioactive Effluent Release Report	

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**Environmental**

Summary of Haley & Aldrich Submittals and Actions Q1 2022 (Jan through March)					
Number	Date	From Org	From Person	Subject	Submitted To
<b>Site Investigation/Remediation</b>					
	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
3S0122-01	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 Pumphouse, 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)	
<b>Permitting Support</b>					
	3/22/2022	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
<b>Notes:</b>					
* 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	9/13/2022	86 % Complete
3.1.3.4	Planning & Site Preparation LCR and RV/RVI Planning and Engineering RV Planning and Engineering	5/10/2023	65% Complete
3.1.3.5	Planning & Site Preparation		100%

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	PAY ITEM/MILESTONE	PLANNED COMPLETE	STATUS
	LCR and RV/RVI Planning and Engineering LCR Planning and Engineering		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	7/31/2022	75% Complete
3.1.4.4	Planning & Site Preparation Balance of Plant D&D Planning Demolition Work Planning	3/31/2023	25% 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 Reactor Internals Segmentation Reactor Internals Segmentation (Plenum Assembly)	3/31/2022	70% Complete
4.A.1.3	Large Component Removal Reactor Internals Segmentation Reactor Internals Segmentation (Core Support Assembly/Remaining)	9/30/2022	20% Complete
4.A.3	Large Component Removal Reactor Vessel Segmentation Reactor CRDMs, ICIs, Services Structure	8/25/2022	64% 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



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	PAY ITEM/MILESTONE	PLANNED COMPLETE	STATUS
4.A.7.1	Large Component Removal Condenser Removal	9/30/2022	42% Complete
4.B.1.2	Site Decontamination Remove Plant Systems Auxiliary Building elev 95'	4/06/2023	42% Complete
4.B.1.3	Site Decontamination Remove Plant Systems Auxiliary Building elev 119'	4/06/2023	16% Complete
4.B.1.5	Site Decontamination Remove Plant Systems Turbine Building	6/30/2022	70% Complete
4.B.4	Site Decontamination Decontaminate Buildings License Termination Planning	7/31/2022	20% Complete
4.B.5.1	Site Decontamination Decontaminate Buildings West Settling Pond Remediation	5/31/2022	90% Complete
4.B.5.3	Site Decontamination Decontaminate Buildings Transfer Canal Sand Removal		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
5.2.1	Site Restoration Firing Range Closure		100% Complete

Notes:

## Progress Photos

### Large Component Removal Work

#### Flooding of Reactor Pools



#### Removal of CRDM's and Service Structure



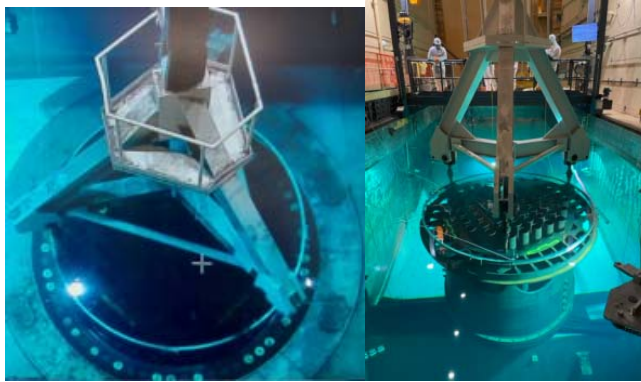
#### Removal and Package ICI's



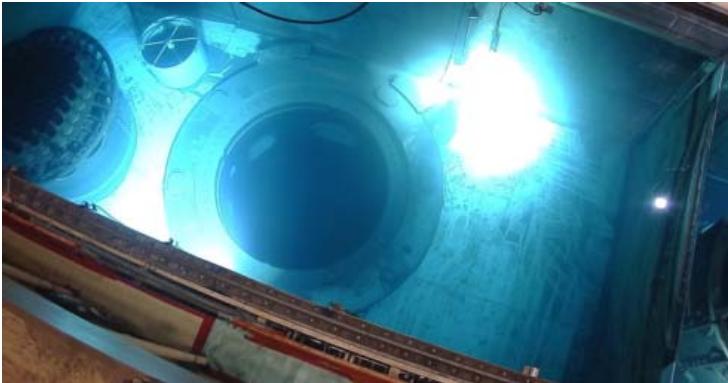
**RH Removal and Processing**



**RVI Plenum Removal and Staging**



**Lift and Transfer Core Support Assembly**





**Turbine Generator Removal**



**Condenser Removal**



**Site Decon – Remove Plant Systems**

**Auxiliary Building Systems Removal**

**Pre and Post Filter Room**



**Decay Heat Vaults**

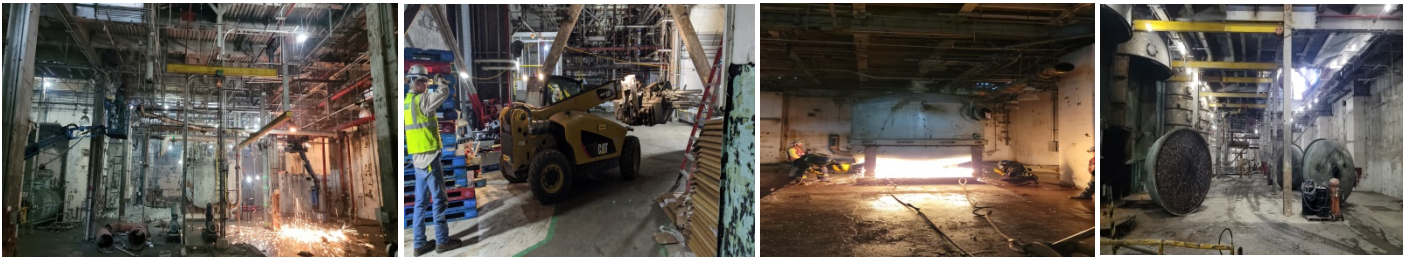




**Triangle Room**



**Turbine Building Systems Removal**



**Site Restoration – Diesel Gen Bldg Demo**

