

Stephanie A. Cuello SENIOR COUNSEL

October 29, 2024

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 October 15, 2024 for the quarter ending September 2024. 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 29th day of October, 2024.

/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

ADP24-0018

October 15, 2024

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, 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,

Billy E. Reid

Decommissioning Program Manager

Cc: Luke Self (ADP / NS)

Nelson Langub (ADP / NS) David Pearson (ADP / NS) James Seals (ADP / Orano)



Decommissioning Quarterly Report

for quarter ending

September 2024

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, 2024.

Q3 Safety and Environmental Performance

| Injury/Illness Summary | 3rd Quarter 2024 | YTD 2024 | PTD 2024 |
|---------------------------|---------------------|----------|-----------|
| Project Hours | 76,922 | 230,815 | 1,333,237 |
| First Aid Cases | 2 | 4 | 20 |
| Recordable Cases | 0 | 0 | 1 |
| Lost Workday Cases | 0 | 0 | 0 |

• First Aid Cases 2

- 07/16/2024 Employee was descending stairs down to the 95' elevation of the Auxiliary Building when he rolled his right ankle. The grating on the last stair is cracked, creating an uneven walking surface.
- 09/23/2024 Employee was walking under conduit when he struck his hard hat against it. Due to the contact, he sustained a mild strain to his neck/left trapezoid.
- ALARA exposure 3rd qtr 2024: 1253 mrem vs 1400 mrem budget, YTD = 5683 mrem vs 7080 budget
- Personnel Contamination events 3rd qtr: No PCEs, YTD = 4 Level 1 PCE
- NRC RP Inspections identified no discrepancies.
- Heat Stress = 0

2.0 This quarter commenced with the continued shipping of the Reactor Vessel and Internal packages from Texas storage area to WCS site in Texas. Packages containing the components of the RPV were shipped from the port to WCS by heavy haul conveyance., the RPV Top package has made it to WCS and was disposed of in Q3 of 2024. The RPV middle package was received at WCS in the second quarter and was disposed of in the 3rd quarter. Continued progress on the building demolition with the Control Complex structural demolition finishing in July. Interior decon and demolition of the Auxiliary completed to open air demo limits this quarter and Structural demolition started at the end of Q3 and is scheduled to complete Q4 2024. Reactor building systems removal is ongoing scheduled to be completed in Q1 of 2025 with the removal of the sump. Decon and demolition of the interior of the Reactor Building to open air demo limits will continue through the fourth quarter. Planning and preparations for other sequences of work continued this quarter. No used nuclear fuel related violations, environmental non-compliance, or significant industrial safety events occurred or were reported.

3.0 SUMMARY OF REGULATORY EVENTS AND REPORTS

Reportable events to Governmental Authority (e.g., NRC, OSHA, FDEP, EPA):

NONE

- Receipt of any correspondence from any Governmental Authority of violation or finding: NONE
- 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

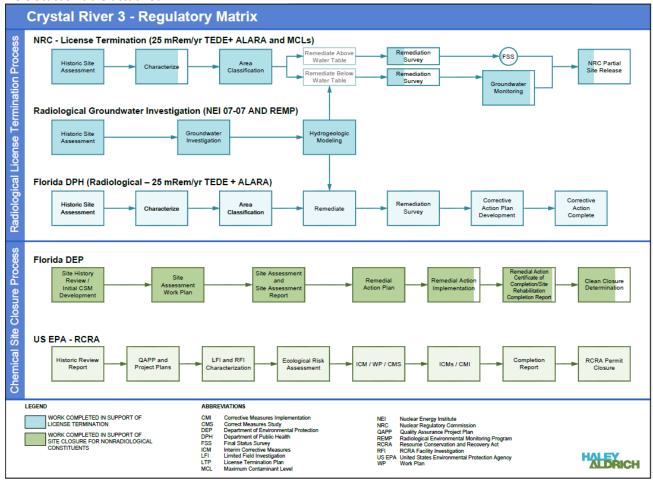
NRC Letter Log and Submittal Register

| NUMBER | DATE | FROM ORG | FROM PERSON | SUBJECT | NRC ACCESSION # | Notes | |
|-----------|-----------|-------------|----------------|--|---|--|--|
| 3F0124-01 | 1/18/2024 | CR3 | Reid | Response to Environmental RAIs | ML24018A151 | 3F and REG0016 submitted to records | |
| 3F0124-02 | 1/18/2024 | CR3 | Reid | Proof of Financial Protection ML24018A213 | | 3F submitted to records | |
| 3F0124-03 | 1/19/2024 | CR3 | Reid | Late Received Radiological Shipment | eceived Radiological Shipment ML24021A001 3 | | |
| 3F0224-01 | 2/5/2024 | CR3 | Jernigan | Email Clarifications related to the NRC Staff's EA for Crystal River | ML24025A095 | 3F and REG0016 submitted to records | |
| 3F0224-02 | 2/6/2024 | CR3 | Reid | Crystal River 3 - Application to for Minor Revision to NPDES, FL0A00004 | ML24039A099 | 3F and REG0016 submitted to records | |
| 3F0224-03 | 2/7/2024 | CR3 | Reid | Late Received Radiological Shipment | ML24039A108 | 3F and REG0016 submitted to records | |
| 3F0224-04 | 2/20/2024 | CR3 | Reid | CR3 ISFSI Security Plan, Security Training and Qualificiation Plan, and Safeguards Contingency Plan, Rev. 4 | ML24054A032 ML25045A035 ML24054A037 (PKG) | -Safeguards Information, hard copy mailed. -Submitted to records. | |
| 3F0224-05 | 2/24/2024 | CR3 | Reid | Late Received Radiological Shipment | ML24053A388 | 3F and REG0016 submitted to records | |
| 3F0324-01 | 3/27/2024 | CR3 | State | CR3 Annual Decommissioning and Irradiated Fuel Management Financial Status Report for 2023 | ML24087A205 | 3F submitted to records. | |
| 3F0324-02 | 3/22/2024 | CR3 | Reid | Crystal River 3 – Onsite Property Insurance Coverage | ML24082A011 | 3F and REG0016 submitted to records | |
| 3F0324-03 | 3/29/2024 | CR3 | Reid | Response to RAIs - LTP Submittal | ML24089A036 ML24090A004 ML24090A005 ML24090A006 | | |
| 3F0324-04 | 3/27/2024 | CR3 | Van Sicklen | Crystal River 3 – 2022 Individual Monitoring NRC Form 5 Report | ML24087A186 | 3F submitted to records. | |
| 3F0424-01 | 4/12/2024 | CR3 | Reid | Late Received Radiological Shipment | ML24103A068 | 3F and REG0016 submitted to records | |
| 3F0424-02 | 4/29/2024 | CR3 | Reid | Crystal River 3 - 2023 Annual Radioactive Effluent Release Report (ARERR) | ML24120A336 | 3F and REG0016 submitted to records | |
| 3F0424-03 | 4/30/2024 | CR3 | Van Sicklen | Crystal River Unit 3 - 2023 Annual Radiological Environmental Operating Report (AREOR) | ML24121A121 | 3F Submitted to records | |
| 3F0524-01 | 5/10/2024 | CR3 | Reid | Response to Environmental RAIs with Encl 5 withheld from public disclosure | ML24131A075 ML24131A076- (proprietary) | 3F and REG0016 submitted to records | |
| 3F0524-02 | 5/29/2024 | CR3 | Reid | Biennial DSAR - QAPM - 50.59 - 72.48 Change Report | ML24150A264 | 3F Submitted to records | |
| 3F0524-03 | 5/30/2024 | CR3 | Adix | Annual Corporate Financial Report (Att1 and Att2/Confidential) | ML24155A153 ML24155A154- port (Att1 and Att2/Confidential) (Confidential) | | |
| 3F0624-01 | 6/6/2024 | CR3 | Reid | Response to NRC Environmental Assessment, Florida Fish and Wildlife, Questions | | | |
| 3F0624-02 | 6/14/2024 | CR3 | Reid | Late Received Radiological Shipment ML24165A121 | | 3F and REG0016 submitted to records | |
| 3F0724-01 | | CR3 | | N/A - NOT USED | | Not used | |
| 3F0724-02 | 7/22/2024 | CR3 | Reid | CR3 LTP Technical Basis Documents, Use of Nal Detector and Guideline for Embedded and Buried Piping Detector | | | |
| 3F0824-01 | 8/21/2024 | CR3 | Reid | | | -Safeguards Information, hard copy mailedNon SGI portion Submitted to records. | |
| 3F0824-02 | 8/12/2024 | CR3 | Reid | LTP Withdrawal | ML24225A207 | 3F Submitted to records | |
| 3F0924-01 | 9/3/2024 | CR4 | Reid | Late Received Radiological Shipment | ML24247A212 | 3F Submitted to records | |

| 2024 Crystal River 3 – NRC Submittals | | | | | | | | |
|---|---|--------------------|-------------------------------|--|------------------------------------|--|--|--|
| Submittal | Subm | ittal to be Signed | | Comments | | | | |
| | | | | | | | | |
| Proof of Financial Protection, Financial Liability Policy Renewal (ANI) | | | y31, 2024 | 10 CF | FR 140.15, 140.11(a)(4) Exer | mpted, 10 CFR 140.17(b) | | |
| Annual Decommissioning and Irradiated Fuel Management Financial Status Report | | March | 31, 2024 | 10 CI | FR 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 fro | om last submittal) | March | 31, 2024 | 10 CFR 74.13(a) and 10 CFR 74.15, | | | | |
| | | | | | FR 70.55, 10 CFR 72.76, 10 | CFR 72.78, rysical invertory of special nuclear material and/or source material) | | |
| Onsite Property Insurance Coverage (NEIL) | | April 1. | 2024 | | FR 50.54(w)(3) | узька писном у и зуська полова паксна а виги зочисетвесна) | | |
| Radiation Exposure Report To Employees (RPCM initiates) | | April 3 | | | 10 CFR 19.13(b) and 10 CFR 20.2206 | | | |
| Annual Radioactive Effluent Release Report and a copy of the ODCM | | May 1, | • | Submit report per 10 CFR 50.36a(a)(2) and ODCM; CP-500 | | | | |
| Annual Radioactive Radiological Environmental Operating Report | | May 15 | | | FR 50 Appendix I; Submit rep | , | | |
| Annual Copy of Corporate Financial Report See 10 CFR 140.15 (a) | | | V (within 30 days of issuance | | FR 50.71(b) 10 CFR 72.80(b) | 1 | | |
| Timud Opp of Colpoid of Indicate report Color to Critical City | | of annual i | | 1001 | 11(00.11(0) 10 011(12.00(0) | | | |
| Biennial DSAR – QAPM - 50.59 - 72.48 - Change Report | | May 31 | , 2024 | Subm | nit report per 10 CFR 50.71(e | s), 10 CFR 50.54(a)(3), 10 CFR 50.59(d)(2) and 10 CFR 72.48(d)(2) | | |
| Cnstal River Unit 3 – Reporting Related to the National Pollutant Discharge Elimination System (NPDES) Permit ID# FL0A00004-001-IW1S | | As nee | ded | CP-5 | 00 | | | |
| Crystal River 3 – Report of Investigation Pursuant to 10 CFR 20, Appendix G. | | As nee | ded | 10 CI | FR 20, Appendix G, as exemp | pted | | |
| | | | | | | | | |
| | | | | | | | | |
| Submittals | NRC Accession/ Number | TAC | NRC Approval Requested | | Next Expected Action | Comments | | |
| Response to Environmental RAIs | ML24018A151 | | | | | | | |
| | ML24131A075 | | | | | | | |
| | ML24131A076 | | | | | | | |
| | ML24166A079 | | | | | | | |
| 0.110.000.110.000.000.000.000.000 | ML24166A080 | | | | | | | |
| Crystal River 3 – Report of Investigation Pursuant to 10 CFR 20, Appendix G | ML24021A001 ML24039A108 | | | | | | | |
| | ML24053A100 | | | | | | | |
| | ML24103A068 | | | | | | | |
| ML24165A121 | | | | | | | | |
| | ML24247A212 | | | | | | | |
| Physical Security Plan, Rev. 4 | nysical Security Plan, Rev. 4 ML24054A037 | | | | | Received by NRC 2/22/24 | | |
| Physical Security Plan, Rev. 5 | tbd | | | | | Received by NRC 8/28/24 | | |
| NPDES Permit Revision | ML24039A099 | | | | | | | |
| Submittals NRC Accession/ | | TAC | NRC Approval | | Next Expected Action | Comments | | |
| | Number | | Requested | | | | | |
| Response to LTP RAIs | ML24089A036 | | | | | | | |
| | ML24090A004 | | | | | | | |
| | ML24090A005 | | | | | | | |
| | ML24090A006 | | | | | | | |
| | ML24090A007 ML24205A158 | | - | | | | | |
| LTP Withdrawal ML242/5A207 | | | | - | | | | |
| ETT THUMBUTUI | WILZ4ZZJMZU/ | | 1 | | | | | |

Environmental

AOC Status Table attached.



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% |
| 5.1.1.2 | Containment Access, Waste Handling Areas | | Complete |
| 3.1.2 | Planning & Site Preparation | | 100% |
| 3.1.2 | Site Characterization | | Complete |
| | Planning & Site Preparation | | 4000/ |
| 3.1.3.1 | LCR and RV/RVI Planning and Engineering | | 100% Complete |
| | General transition Planning/Engineering | | Complete |

| | PAY ITEM/MILESTONE | PLANNED COMPLETE | STATUS |
|---------|---|---------------------|------------------|
| | Planning & Site Preparation | | 4000/ |
| 3.1.3.2 | LCR and RV/RVI Planning and Engineering | | 100% Complete |
| | Site/Plant infrastructure Planning and Engineering | | Complete |
| | Planning & Site Preparation | | |
| 3.1.3.3 | LCR and RV/RVI Planning and Engineering | | 100 % |
| | RVI Planning and Engineering | | Complete |
| | Planning & Site Preparation | | |
| 3.1.3.4 | LCR and RV/RVI Planning and Engineering | | 77% Complete |
| | RV Planning and Engineering | | |
| | Planning & Site Preparation | | |
| 3.1.3.5 | LCR and RV/RVI Planning and Engineering | | 100% |
| | LCR Planning and Engineering | | Complete |
| | Planning & Site Preparation | | |
| 3.1.4.1 | Balance of Plant D&D Planning | | 100% |
| 0121112 | Temporary Utilities, Site Preparation Planning | | Complete |
| | Planning & Site Preparation | | |
| 3.1.4.2 | Balance of Plant D&D Planning | | 100% |
| 3.1.4.2 | Turbine, Condenser, Steam Generator Removal Planning | | Complete |
| | Planning & Site Preparation | | |
| 3.1.4.3 | Balance of Plant D&D Planning | | 100% |
| 3.1.4.3 | Systems Removal and Decon Work Planning | | Complete |
| | Planning & Site Preparation | | |
| 3.1.4.4 | Balance of Plant D&D Planning | | 100% |
| 5.1.4.4 | - | | Complete |
| | Demolition Work Planning Large Component Removal | | |
| 4.A.1.1 | Reactor Internals Segmentation | | 100% |
| | Reactor Internals Mobilization, Setup & Commissioning | | Complete |
| | Large Component Removal | | 100% |
| 4.A.1.2 | Reactor Internals Segmentation | | Complete |
| | Reactor Internals Segmentation (Plenum Assembly) Large Component Removal | | - |
| 4.A.1.3 | Reactor Internals Segmentation | | 100% |
| , | Reactor Internals Segmentation (Core Support Assembly/Remaining) | | Complete |
| 4.A.1.4 | Large Component Removal | | 100% |
| | Reactor Internals Segmentation | | Complete |
| | Reactor Internals Waste Packaging, Transportation and Disposal 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 | | į |

| | PAY ITEM/MILESTONE | PLANNED COMPLETE | STATUS |
|---------------|---|---------------------|------------------|
| 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 | 4/30/2024 | 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 |
| 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 | 4/30/2025 | 22% Complete |
| 4.B.2.4 | Decontaminate Auxiliary Building | 12/31/2024 | 91% Complete |
| 4.B.2.5 | Decontaminate Intermediate Building | | 100% Complete |
| 4.B.4 | Site Decontamination Decontaminate Buildings License Termination Planning | | 100% Complete |

| | PAY ITEM/MILESTONE | PLANNED COMPLETE | STATUS |
|---------|--|---------------------|------------------|
| 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 BWST Building Demo | 12/30/2024 | 0% 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 | 12/30/2024 | 0% 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 |

Notes:

Progress Photos

Large Component Removal Work

Reactor Vessel Transportation and Disposal



CR3 Middle Package

CR3 Middle Package







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Reactor Building System Removal





