



April 11, 2024
L-2024-057
10 CFR 50.73

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Re: Turkey Point Unit 3
Docket No. 50-250
Reportable Event: 2024-02
Date of Event: February 20, 2021

Condition Prohibited by Technical Specifications

The attached Licensee Event Report 2024-02 is being submitted pursuant to the requirements of 10 CFR 50.73 to provide notification of the subject event.

Respectfully,

A handwritten signature in black ink, appearing to read 'Steve Catron', is written over the word 'Respectfully,'.

Steve Catron
Licensing & Reg Compliance Director – Nuclear Fleet
Florida Power & Light Company

Attachment

cc: Turkey Point NRC Senior Resident Inspector
Turkey Point Station NRC Program Manage



LICENSEE EVENT REPORT (LER)

(See Page 2 for required number of digits/characters for each block)

(See NUREG-1022, R.3 for instruction and guidance for completing this form
<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1022/r3/>)

Estimated burden per response to comply with this mandatory collection request: 80 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the FOIA, Library, and Information Collections Branch (T-6 A10M), U. S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by email to Infocollections.Resource@nrc.gov, and the OMB reviewer at: OMB Office of Information and Regulatory Affairs, (3150-0104), Attn: Desk Officer for the Nuclear Regulatory Commission, 725 17th Street NW, Washington, DC 20503. The NRC may not conduct or sponsor, and a person is not required to respond to, a collection of information unless the document requesting or requiring the collection displays a currently valid OMB control number.

| | | | |
|---------------------|---|------------------|---------|
| 1. Facility Name | <input checked="" type="checkbox"/> 050 <input type="checkbox"/> 052 | 2. Docket Number | 3. Page |
| Turkey Point Unit 3 | | 00250 | 1 OF 2 |

| |
|--|
| 4. Title |
| Condition Prohibited by Technical Specifications |

| 5. Event Date | | | 6. LER Number | | | 7. Report Date | | | 8. Other Facilities Involved | |
|---------------|-----|------|---------------|-------------------|--------------|----------------|-----|------|------------------------------|------------------------------|
| Month | Day | Year | Year | Sequential Number | Revision No. | Month | Day | Year | Facility Name | Docket Number |
| 02 | 07 | 2021 | 2024 | - 02 - | 0 | 04 | 11 | 2024 | | <input type="checkbox"/> 050 |
| | | | | | | | | | | <input type="checkbox"/> 052 |

| | |
|-------------------|-----------------|
| 9. Operating Mode | 10. Power Level |
| 1 | 100 |

11. This Report is Submitted Pursuant to the Requirements of 10 CFR §: (Check all that apply)

| | | | | | |
|--|--|---|---|--|-------------------------------------|
| <input checked="" type="checkbox"/> 10 CFR Part 20 | <input type="checkbox"/> 20.2203(a)(2)(vi) | <input checked="" type="checkbox"/> 10 CFR Part 50 | <input type="checkbox"/> 50.73(a)(2)(ii)(A) | <input type="checkbox"/> 50.73(a)(2)(viii)(A) | <input type="checkbox"/> 73.1200(a) |
| <input type="checkbox"/> 20.2201(b) | <input type="checkbox"/> 20.2203(a)(3)(i) | <input type="checkbox"/> 50.36(c)(1)(i)(A) | <input type="checkbox"/> 50.73(a)(2)(ii)(B) | <input type="checkbox"/> 50.73(a)(2)(viii)(B) | <input type="checkbox"/> 73.1200(b) |
| <input type="checkbox"/> 20.2201(d) | <input type="checkbox"/> 20.2203(a)(3)(ii) | <input type="checkbox"/> 50.36(c)(1)(ii)(A) | <input type="checkbox"/> 50.73(a)(2)(iii) | <input type="checkbox"/> 50.73(a)(2)(ix)(A) | <input type="checkbox"/> 73.1200(c) |
| <input type="checkbox"/> 20.2203(a)(1) | <input type="checkbox"/> 20.2203(a)(4) | <input type="checkbox"/> 50.36(c)(2) | <input type="checkbox"/> 50.73(a)(2)(iv)(A) | <input type="checkbox"/> 50.73(a)(2)(x) | <input type="checkbox"/> 73.1200(d) |
| <input type="checkbox"/> 20.2203(a)(2)(i) | <input checked="" type="checkbox"/> 10 CFR Part 21 | <input type="checkbox"/> 50.46(a)(3)(ii) | <input type="checkbox"/> 50.73(a)(2)(v)(A) | <input checked="" type="checkbox"/> 10 CFR Part 73 | <input type="checkbox"/> 73.1200(e) |
| <input type="checkbox"/> 20.2203(a)(2)(ii) | <input type="checkbox"/> 21.2(c) | <input type="checkbox"/> 50.69(g) | <input type="checkbox"/> 50.73(a)(2)(v)(B) | <input type="checkbox"/> 73.77(a)(1) | <input type="checkbox"/> 73.1200(f) |
| <input type="checkbox"/> 20.2203(a)(2)(iii) | | <input type="checkbox"/> 50.73(a)(2)(i)(A) | <input type="checkbox"/> 50.73(a)(2)(v)(C) | <input type="checkbox"/> 73.77(a)(2)(i) | <input type="checkbox"/> 73.1200(g) |
| <input type="checkbox"/> 20.2203(a)(2)(iv) | | <input checked="" type="checkbox"/> 50.73(a)(2)(i)(B) | <input type="checkbox"/> 50.73(a)(2)(v)(D) | <input type="checkbox"/> 73.77(a)(2)(ii) | <input type="checkbox"/> 73.1200(h) |
| <input type="checkbox"/> 20.2203(a)(2)(v) | | <input type="checkbox"/> 50.73(a)(2)(i)(C) | <input type="checkbox"/> 50.73(a)(2)(vii) | | |
| <input type="checkbox"/> OTHER (Specify here, in abstract, or NRC 366A). | | | | | |

12. Licensee Contact for this LER

| | |
|---------------------------------|----------------------------------|
| Licensee Contact | Phone Number (Include area code) |
| Bob Murrell, Licensing Engineer | 319-651-9496 |

13. Complete One Line for each Component Failure Described in this Report

| Cause | System | Component | Manufacturer | Reportable to IRIS | Cause | System | Component | Manufacturer | Reportable to IRIS |
|-------|--------|-----------|--------------|--------------------|-------|--------|-----------|--------------|--------------------|
| B | BP | V | N/A | Y | | | | | |

14. Supplemental Report Expected

| | | | | | |
|--|--|------------------------------|-------|-----|------|
| <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes (If yes, complete 15. Expected Submission Date) | 15. Expected Submission Date | Month | Day | Year |
| | | | | | |

16. Abstract (Limit to 1326 spaces, i.e., approximately 13 single-spaced typewritten lines)

On February 7, 2021, while in Mode 1, valve 3-759A, 3A Residual Heat Removal Heat Exchanger Outlet Isolation Valve was discovered to have a deficient reach rod gearbox causing it to become inoperable. At the time, due to an incorrect interpretation of Technical Specifications (TSs), the station did not enter TS Action 3.2.1.e which requires two flow paths capable of taking suction from the containment sump. This action requires restoring the inoperable component to operable status within 72 hours or be in hot standby within the next 6 hours and in hot shutdown within the following 6 hours. Contrary to this requirement, a condition prohibited by TS occurred on February 11, 2021. There were no Systems, Structures, or Components that were inoperable at the start of the event that contributed to the event. This event is being reported pursuant of 10 CFR 50.73(a)(2)(i)(B), Condition Prohibited by TS.



LICENSEE EVENT REPORT (LER) CONTINUATION SHEET

(See NUREG-1022, R.3 for instruction and guidance for completing this form
<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1022/r3/>)

Estimated burden per response to comply with this mandatory collection request: 80 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the FOIA, Library, and Information Collections Branch (T-6 A10M), U. S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by email to Infocollects.Resource@nrc.gov, and the OMB reviewer at: OMB Office of Information and Regulatory Affairs, (3150-0104), Attn: Desk Officer for the Nuclear Regulatory Commission, 725 17th Street NW, Washington, DC 20503. The NRC may not conduct or sponsor, and a person is not required to respond to, a collection of information unless the document requesting or requiring the collection displays a currently valid OMB control number.

| | | | | | | | |
|-------------------------|--|--|--|-------------------------|----------------------|--------------------------|----------------|
| 1. FACILITY NAME | | <input checked="" type="checkbox"/> 050 | | 2. DOCKET NUMBER | 3. LER NUMBER | | |
| Turkey Point Unit 3 | | <input type="checkbox"/> 052 | | 00250 | YEAR | SEQUENTIAL NUMBER | REV NO. |
| | | | | | 2024 | - 02 | - 0 |

NARRATIVE

Description of Event:

On February 7, 2021, while in Mode 1, valve 3-759A, 3A Residual Heat Removal Heat Exchanger Outlet Isolation Valve was discovered to have a deficient reach rod gearbox causing it to become inoperable. At the time, due to an incorrect interpretation of Technical Specifications (TSs), the station did not enter TS Action 3.2.1.e which requires two flow paths capable of taking suction from the containment sump. This action requires restoring the inoperable component to operable status within 72 hours or be in hot standby within the next 6 hours and in hot shutdown within the following 6 hours. Contrary to this requirement, a condition prohibited by TS occurred on February 11, 2021.

Cause of Event:

Incorrect interpretation of TS.

Safety Significance:

Valve 3-759A is a back-up to Motor Operated Valve (MOV) 3-744A, which remained operable during the time 3-759A was inoperable, therefore, there was no actual safety significance related to this event. This event did not prevent any safety systems from performing their safety related functions based on the minimal amount of leakage identified.

This event is being reported pursuant of 10 CFR 50.73(a)(2)(i)(B), Condition Prohibited by TS.

This event did not result in a Safety System Functional Failure.

Corrective Actions:

Valve 3-789A was repaired and restored to operable status on March 9, 2024.

Similar Events:

A review of events over the past 5 years did not identify any previous events that involved the same underlying cause of the event reported under this Licensee Event Report.