

JAFP-24-0043  
September 12, 2024

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

James A FitzPatrick Nuclear Power Plant  
Renewed Facility Operating License No. DPR-59  
NRC Docket No. 50-333

Subject: Revision to Commitment Relating to Resolution of Anchor Darling Double Disc Gate Valve Part 21 Issues

References:

1. Exelon letter, Commitments for Resolution of Anchor Darling Double Disc Gate Valve Part 21 Issues, RS-17-172, dated December 19, 2017
2. BWROG Topical Report TP16-1-112, Revision 5, Recommendations to Resolve Flowserve 10 CFR Part 21 Notification Affecting Anchor Darling Double Disc Gate Valve Wedge Pin Failures, dated November 25, 2019
3. Exelon letter, Revision to Commitment Relating to Resolution of Anchor Darling Double Disc Gate Valve Part 21 Issues, JAFP-21-0029, dated April 29, 2021

Dear Sir or Madam:

On December 19, 2017, Exelon Generation Company, LLC (Exelon) provided additional information and updates regarding repair plans on the status and resolution of Anchor Darling Double Disk Gate Valve (ADDDGV) issues at James A. FitzPatrick Nuclear Power Plant (JAF) [Reference 1]. The plan was in accordance with Boiling Water Reactor Owner's Group (BWROG) Topical Report TP16-1-112 Revision 4. This plan was changed in accordance with revision 5 to TP16-1-112 [Reference 2] and the regulatory commitment change was communicated to the NRC by letter dated April 29, 2021 [Reference 3].

This letter notifies the NRC about a change to a regulatory commitment in Reference 1 and updated by Reference 3, for Category C Motor Operated Valve (MOV) 02-2MOV-53B ("B") only. The scheduled testing for the 2 other Category C MOV 02-2MOV-53A ("A") and 12MOV-69 is not affected. This change supports a divisional outage work scope.

A Technical Evaluation supports "B" MOV Stem Rotation Check and Diagnostic Testing extension of 4 year to 6 years. The performance of "A" is comparable to the expected performance of the "B" valve and "A" was tested in FPR26(2024) with satisfactory results. A review of the recent test data for "A" shows the tested coefficient of friction and applied loads are greater than those of "B"; therefore, "B" is expected to be in a more favorable condition.

A summary of the change to the regulatory commitment is provided in the Attachment.

Should you have any questions regarding this submittal, please contact Mr. Mark Hawes, Regulatory Assurance at (315) 349-6659.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Chelsea Troutman', with a long, sweeping horizontal line extending to the right.

Chelsea Troutman  
Regulatory Assurance Manager

CT/mh

Attachment: Regulatory Commitments

cc: Director, Office of Nuclear Reactor Regulation  
NRC Region I Administrator  
NRC Resident Inspector  
NRC Project Manager  
NYSPSC  
President NYSERDA

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**Attachment**

**Regulatory Commitments**

**(2 Pages)**

## Regulatory Commitments

This table identifies actions discussed in this letter that Constellation commits to perform. Any other actions discussed in this submittal are described for the NRC's information and are **not** commitments.

Text	COMMITTED DATE OR “OUTAGE”	TYPE (Check one)	
		ONE-TIME ACTION	CONTINUING COMPLIANCE
Original Commitment			
Source: RS-17-172 dated December 19, 2017; updated by JAFP-21-0029 dated April 29, 2021			
Category C MOVs undergo Stem Rotation Checks and Diagnostic Testing at the James A. FitzPatrick Nuclear Power Plant:  <u>MOV Number</u> 02-2MOV-53A 02-2MOV-53B 12MOV-69	Outage (Year) FPR26 (2024) FPR28 (2028)	X	
Category C MOVs undergo Stem Rotation Checks and Diagnostic Testing at the James A. FitzPatrick Nuclear Power Plant:  <u>MOV Number</u> 02-2MOV-53A 02-2MOV-53B 12MOV-69	Ongoing after FPR28 (2028), concurrent with MOV Periodic Verification Program testing.		X
Revised Commitment			
Category C MOVs undergo Stem Rotation Checks and Diagnostic Testing at the James A. FitzPatrick Nuclear Power Plant:  <u>MOV Number</u> 02-2MOV-53A 12MOV-69	Outage (Year) FPR26 (2024) FPR28 (2028)	X	
Category C MOVs undergo Stem Rotation Checks and Diagnostic Testing at the James A. FitzPatrick Nuclear Power Plant:  <u>MOV Number</u> 02-2MOV-53B	Outage (Year) FPR27 (2026) FPR29 (2030)	X	

## Regulatory Commitments

Text	COMMITTED DATE OR "OUTAGE"	TYPE (Check one)	
		ONE-TIME ACTION	CONTINUING COMPLIANCE
Category C MOVs undergo Stem Rotation Checks and Diagnostic Testing at the James A. FitzPatrick Nuclear Power Plant: <u>MOV Number</u> 02-2MOV-53A 12MOV-69	Ongoing after FPR28 (2028), concurrent with MOV Periodic Verification Program testing.		X
Category C MOVs undergo Stem Rotation Checks and Diagnostic Testing at the James A. FitzPatrick Nuclear Power Plant: <u>MOV Number</u> 02-2MOV-53B	Ongoing after FPR29 (2030), concurrent with MOV Periodic Verification Program testing.		X