

December 31, 2017

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

[Utility/Site]

Renewed Facility Operating License No. DPR-XX
NRC Docket No. 50-XXX

Subject: Anchor Darling Double Disc Gate Valve Information and Status

- References:
- 1) Letter from Greg Krueger (NEI) to Mr. John Lubinski, U.S. Nuclear Regulatory Commission, Anchor Darling Double Disc Gate Valve Industry Resolution Plan Update (Project 689), dated August 4, 2017
 - 2) BWROG Topical Report TP-16-1-112 Rev.4, Recommendations to Resolve Flowserve 10CFR Part21 Notification Affecting Anchor Darling Double Disc Gate Valve Wedge Pin Failures
 - 3) Letter from Joe Pollock (NEI) to Mr. Brian Holian, U.S. Nuclear Regulatory Commission, NSIAC Concurrence on Anchor Darling Double Disc Gate Valve Industry Response Actions (Project 689), dated October 26, 2017

In Reference 1, the Nuclear Energy Institute (NEI) provided the NRC a resolution plan for the U.S. Nuclear Industry to address the known Anchor Darling Double Disk Gate Valve (AD DDGV) issues. The NEI letter stated that each station will reevaluate their Anchor Darling valve population against the revised industry guidance (Reference 2). Reference 3 indicated that each utility will communicate the results of this evaluation by providing a listing of the **active safety function** Anchor Darling valve population with relevant valve information, including the results of the evaluation of valve susceptibility and repair status. A repair schedule for each susceptible valve not yet repaired would be provided. This letter serves to provide this information for *[Utility and/or applicable sites]*.

The information for each AD DDGV provided in attachment to this letter includes the following:

- Unit and Valve ID
- System and Valve Functional Description
- Size
- Active Safety Function
- Risk Significance
- Analysis Method to determine susceptibility
- Monitor or Repair Status and repair schedule for susceptible valves not yet repaired
- Repair or Monitoring Status

[Utility/Site] evaluation of the AD DDGV population with respect to corrective actions and maintenance activities to ensure proper functioning of the Anchor Darling valves comply with the Reference 2 recommended actions associated with applicable GL 96-05 MOVs affected by the ADDDGV Part 21. These include the following aspects:

- Screening evaluation method for susceptible MOVs
- Wedge Pin Analysis
- Stem Rotation Check Methods
- Diagnostic Test / Evaluation Methods
- Valve Repair Methods
- Repair Schedule

Should you have any questions or require additional information, please contact **[Utility or site cognizant individual]**

Respectfully,

[Utility or site Licensing/VP representative]

Attachments: **[Utility/site AD DDGV valve listing]**
[Utility/site summary of Commitments]

cc: **Regional Administrator - NRC Region {I, II, III, or IV}**

NRC Senior Resident Inspector - [site]
State Representatives

[Utility/site AD DDGV Listing]

Plant Name	Unit	Valve ID	System	Valve Functional Description	Valve Size (inches)	Active Safety Function (Open/Close, Open, Close, NA)	Risk Sig (NUMARC)	Wedge Pin Analysis Acceptable (Y/N/NA)	Method Used (TP16-1-112r4)	Action taken/planned: (monitor, repair/replace)	Schedule
Site1	1	MO4627	Reactor Recirculation	REACTOR RECIRC PUMP 1P-201A DISCHARGE ISOLATION	18	Close	Low	N	Y	Completed: Diagnostic Test/Stem Rot. Check Planned: Stem/Wedge/Pin replacement in Fall 2018 - Integral stem collar, torqued into upper wedge.	Rotation checks performed last 3 outages, none noted. Diagnostic test in 2016, no anomalies.
Site1	1	MO4628	Reactor Recirculation	REACTOR RECIRC PUMP 1P-201B DISCHARGE ISOLATION	18	Close	Low	N	Y	Completed: Diagnostic Test/Stem Rot. Check Planned: Diagnostic Test/Stem Rot. Check/Contingency Repair in Fall 2018, Stem/Wedge/Pin replacement in Fall 2020 - Integral stem collar, torqued into upper wedge.	Rotation checks performed last 3 outages, none noted. Diagnostic test in 2014, no anomalies.

The following table identifies commitments made in this document. (Any other actions discussed in the submittal represent intended or planned actions. They are described to the NRC for the NRC's information and are not regulatory commitments.)

COMMITMENT	COMMITTED DATE OR "OUTAGE"	COMMITMENT TYPE	
		ONE-TIME ACTION (Yes/No)	Programmatic (Yes/No)
<p>Repair the following Group A AD DDGV MOVs:</p> <p><u>MOV Number</u> X-XX-XXXX</p>	<p><u>Outage(Year)</u> XXRXX(2019)</p>	Yes	
<p>Repair the following Group B AD DDGV MOVs:</p> <p><u>MOV Number</u> X-XX-XXXX X-XX-XXXX</p> <p>Perform diagnostic testing and stem rotation checks with contingent repairs on the following AD DDGV MOVs:</p> <p><u>MOV Number</u> X-XX-XXXX X-XX-XXXX</p>	<p><u>Outage(Year)</u> XXRXX(2019) XXRXX(2020)</p>	Yes	
		Yes	