

# Anchor Darling Double Disc Gate Valve Population Information

## Owner/Operator

PLANT Dkt #

Ameren UE

Callaway 1 483

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
EGHV0058	Component Cooling Water (CCW)	CCW to Containment Outer Isolation	12	Close	L	Yes	No	Yes < or = 5 deg.	Not Repaired	Repairs tentatively planned for next refueling outage in Spring of 2019
EGHV0059	Component Cooling Water (CCW)	CCW to Containment Outer Isolation	12	Close	L	Yes	Yes < or = 0.10	Yes < or = 5 deg.	Not Repaired	Thread friction COF of 0.42 was credited in evaluation showing torque applied during a 2010 stall event was not adequate to fail pin. However, the evaluation remains SAT if COF-0.1. Additionally, the pin's shear torque excluding thread friction has 80% margin over design basis torque. Repairs tentatively planned for outage in Spring of 2019.
EGHV0060	Component Cooling Water (CCW)	CCW from Reactor Coolant System from Containment Inner Isolation	12	Close	L	Yes	No	Yes < or = 5 deg.	Not Repaired	Repairs tentativel planned for next refueling outage in Spring of 2019.

Total # of Valves	-	3	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	1
Total # of Valves Not Repaired	-	3	Total # Low Risk Valves	-	3	Total # Susceptible Valves	-	3
Total # of Valves N/A	-	0						

## Owner/Operator Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	3	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	1
Total # of Valves Not Repaired	-	3	Total # Low Risk Valves	-	3	Total # Susceptible Valves	-	3
Total # of Valves N/A	-	0						

Arizona Public Service Co.

Palo Verde 1 528

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
----------	--------	------------------	------	------	------	------	-------------	-----------	---------------	-------------------

Licensee does not use Anchor/Darling Double Disc Gate Valves

## Owner/Operator

PLANT		Dkt #											
Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0					
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0					
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0					
Total # of Valves N/A	-	0											
Palo Verde 2		529											
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments			

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0		
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0		
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0		
Total # of Valves N/A	-	0								
Palo Verde 3	530									
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

## Owner/Operator Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

## Dominion Generation

Millstone 2	336										
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments	

## Owner/Operator

PLANT	Dkt #										
2-CS-13.1A	Containment Spray	RWST Outlet Header "A" Isolation Valve	18	Close	M	No	Yes > 0.10	No	Not Repaired		
2-CS-13.1B	Containment Spray	RWST Outlet Header "B" Isolation Valve	18	Close	M	No	Yes > 0.10	No	Not Repaired		
2-CS-16.1A	Containment Spray	Containment Sump Outlet Header "A" Isolation Valve	24	Both	H	No	Yes < or = 0.10	No	Not Repaired		
2-CS-16.1B	Containment Spray	Containment Sump Outlet Header "B" Isolation Valve	24	Both	H	No	Yes < or = 0.10	No	Not Repaired		
2-CS-4.1A	Containment Spray	"A" Containment Spray Header Isolation Valve	8	Both	H	No	Yes > 0.10	No	Not Repaired		
2-CS-4.1B	Containment Spray	"B" Containment Spray Header Isolation Valve	8	Both	H	No	Yes > 0.10	No	Not Repaired		

Total # of Valves	-	6	Total # High Risk Valves	-	4	Total Thread Fric > 0.10	-	4
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	2	Total Thread Fric < or = 0.10	-	2
Total # of Valves Not Repaired	-	6	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Millstone 3												423		
Valve ID		System	Func Description			Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments	

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

North Anna 1		338								
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
1-RH-MOV-1720A	Residual Heat Removal (RHR)	RHR to "B" RCS Loop	8	Open	M	No	Yes > 0.10	No	Not Repaired	Valve size is 10 X 8 X 10.

## Owner/Operator

PLANT		Dkt #											
1-RH-MOV-1720B	Residual Heat Removal (RHR)	RHR to "C" RCS Loop	8	Open	M	No	Yes > 0.10	No	Not Repaired	Valve size is 10 X 8 X 10.			
1-SI-MOV-1890A	Safety Injection (SI)	Low Head SI Hot Leg Injection Valve	8	Both	L	No	Yes > 0.10	No	Not Repaired	Valve size is 10 X 8 X 10.			
1-SI-MOV-1890B	Safety Injection (SI)	Low Head SI Hot Leg Injection Valve	8	Both	L	No	Yes > 0.10	No	Not Repaired	Valve size is 10 X 8 X 10.			
1-SI-MOV-1890C	Safety Injection (SI)	Low Head SI Cold Leg Injection Valve	8	Both	L	No	Yes > 0.10	No	Not Repaired	Valve size is 10 X 8 X 10.			
1-SI-MOV-1890D	Safety Injection (SI)	Low Head SI Cold Leg Injection Valve	8	Both	L	No	Yes > 0.10	No	Not Repaired	Valve size is 10 X 8 X 10.			
Total # of Valves		-	6	Total # High Risk Valves		-	0	Total Thread Fric > 0.10		-	6		
Total # of Valves Repaired		-	0	Total # Med Risk Valves		-	2	Total Thread Fric < or = 0.10		-	0		
Total # of Valves Not Repaired		-	6	Total # Low Risk Valves		-	4	Total # Susceptible Valves		-	0		
Total # of Valves N/A		-	0										
North Anna 2		339											
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments			
2-RH-MOV-2720A	Residual Heat Removal (RHR)	RHR to "B" RCS Loop	8	Open	M	No	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	Valve size is 10 X 8 X 10.			
2-RH-MOV-2720B	Residual Heat Removal (RHR)	RHR to "C" RCS Loop	8	Open	M	No	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	Valve size is 10 X 8 X 10.			
2-SI-MOV-2890A	Safety Injection (SI)	Low Head SI Hot Leg Injection Valve	8	Both	L	No	Yes > 0.10	Yes < or = 5 deg.	Repaired	Valve size is 10 X 8 X 10.			
2-SI-MOV-2890B	Safety Injection (SI)	Low Head SI Hot Leg Injection Valve	8	Both	L	No	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	Valve size is 10 X 8 X 10.			
2-SI-MOV-2890C	Safety Injection (SI)	Low Head SI Cold Leg Injection Valve	8	Both	L	No	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	Valve size is 10 X 8 X 10.			
2-SI-MOV-2890D	Safety Injection (SI)	Low Head SI Cold Leg Injection Valve	8	Both	L	No	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	Valve size is 10 X 8 X 10.			

# Owner/Operator

PLANT Dkt #

Total # of Valves	-	6	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	6
Total # of Valves Repaired	-	1	Total # Med Risk Valves	-	2	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	5	Total # Low Risk Valves	-	4	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Surry 1 280

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
01-CH-MOV-1289A	Charging	Main Charging Header Isolation	3	Close	L	No	Yes > 0.10	No	Not Repaired	
01-CH-MOV-1289B	Charging	Main Charging Header Isolation	3	Close	L	No	Yes > 0.10	No	Not Repaired	
01-RH-MOV-1720A	Residual Heat Removal (RHR)	RHR Outlet Isolation to Accumulator Discharge Line	8	Open	M	No	Yes > 0.10	No	Not Repaired	Valve size is 10 X 8 X 10.
01-RH-MOV-1720B	Residual Heat Removal (RHR)	RHR Outlet Isolation to Accumulator Discharge Line	8	Open	M	No	Yes > 0.10	No	Not Repaired	Valve size is 10 X 8 X 10.
01-SI-MOV-1864A	Safety Injection (SI)	Low Head SI Pump Cold Leg Discharge Stop Valve	10	Both	L	No	No	No	Not Repaired	
01-SI-MOV-1864B	Safety Injection (SI)	Low Head SI Pump Cold Leg Discharge Stop Valve	10	Both	L	No	Yes > 0.10	No	Not Repaired	
01-SI-MOV-1867C	Safety Injection (SI)	High Head SI to Reactor Coolant System (RCS) Cold Legs	3	Both	H	No	No	No	Not Repaired	
01-SI-MOV-1867D	Safety Injection (SI)	High Head SI to Reactor Coolant System (RCS) Cold Legs	3	Both	H	No	Yes > 0.10	No	Not Repaired	
01-SI-MOV-1869A	Safety Injection (SI)	High Head SI to Reactor Coolant System (RCS) Hot Legs	3	Both	L	No	Yes > 0.10	No	Not Repaired	
01-SI-MOV-1890A	Safety Injection (SI)	Low Head SI Pump Hot Leg Discharge Stop Valve	8	Both	L	No	Yes > 0.10	No	Not Repaired	Valve size is 10 X 8 X 10.
01-SI-MOV-1890B	Safety Injection (SI)	Low Head SI Pump Hot Leg Discharge Stop Valve	8	Both	L	No	Yes > 0.10	No	Not Repaired	Valve size is 10 X 8 X 10.
01-SI-MOV-1890C	Safety Injection (SI)	Low Head SI Pump Hot Leg Discharge Stop Valve	8	Both	L	No	Yes > 0.10	No	Not Repaired	Valve size is 10 X 8 X 10.

# Owner/Operator

PLANT Dkt #

Total # of Valves	-	12	Total # High Risk Valves	-	2	Total Thread Fric > 0.10	-	10
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	2	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	12	Total # Low Risk Valves	-	8	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Surry 2 281

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
02-CH-MOV-2115B	Charging	Charging Pump Supply from RWST	8	Both	H	No	Yes > 0.10	No	Not Repaired	
02-CH-MOV-2115D	Charging	Charging Pump Supply from RWST	8	Both	H	No	Yes > 0.10	No	Not Repaired	
02-CH-MOV-2289A	Charging	Main Charging Header Isolation Valve	3	Close	L	No	Yes > 0.10	No	Not Repaired	
02-CH-MOV-2289B	Charging	Main Charging Header Isolation Valve	3	Close	L	No	Yes > 0.10	No	Not Repaired	
02-RH-MOV-2720A	Residual Heat Removal (RHR)	RHR Outlet Isolation to Accumulator Discharge Line	8	Open	M	No	Yes > 0.10	No	Not Repaired	Valve size is 10 X 8 X 10.
02-RH-MOV-2720B	Residual Heat Removal (RHR)	RHR Outlet Isolation to Accumulator Discharge Line	8	Open	M	No	Yes > 0.10	No	Not Repaired	Valve size is 10 X 8 X 10.
02-SI-MOV-2842	Safety Injection (SI)	High Head SI from Charging Header to RCS Cold Legs	4	Both	H	No	Yes > 0.10	No	Not Repaired	
02-SI-MOV-2864A	Safety Injection (SI)	Low Head SI Pump Cold Leg Discharge Stop Valve	10	Both	L	No	Yes > 0.10	No	Not Repaired	
02-SI-MOV-2864B	Safety Injection (SI)	Low Head SI Pump Cold Leg Discharge Stop Valve	10	Both	L	No	Yes > 0.10	No	Not Repaired	
02-SI-MOV-2867C	Safety Injection (SI)	High Head SI to RCS Cold Legs	3	Both	H	No	Yes > 0.10	No	Not Repaired	
02-SI-MOV-2867D	Safety Injection (SI)	High Head SI to RCS Cold Legs	3	Both	H	No	Yes > 0.10	No	Not Repaired	
02-SI-MOV-2890A	Safety Injection (SI)	Low Head SI Pump Hot Leg Discharge Stop Valve	8	Both	L	No	No	No	Not Repaired	Valve size is 10 X 8 X 10.

## Owner/Operator

PLANT	Dkt #										
02-SI-MOV-2890B	Safety Injection (SI)	Low Head SI Pump Hot Leg Discharge Stop Valve	8	Both	L	No	Yes > 0.10	No	Not Repaired	Valve size is 10 X 8 X 10.	
02-SI-MOV-2890C	Safety Injection (SI)	Low Head SI Pump Cold Leg Discharge Stop Valve	8	Both	L	No	Yes > 0.10	No	Not Repaired	Valve size is 10 X 8 X 10.	

Total # of Valves	-	14	Total # High Risk Valves	-	5	Total Thread Fric > 0.10	-	13
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	2	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	14	Total # Low Risk Valves	-	7	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

### Owner/Operator Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	44	Total # High Risk Valves	-	11	Total Thread Fric > 0.10	-	39
Total # of Valves Repaired	-	1	Total # Med Risk Valves	-	10	Total Thread Fric < or = 0.10	-	2
Total # of Valves Not Repaired	-	43	Total # Low Risk Valves	-	23	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

## DTE Energy

Fermi 2	341											
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments		

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

### Owner/Operator Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

## Duke Energy Power Company, LLC

Owner/Operator

PLANT

Dkt #

Brunswick 1

325

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
1B32-F031A	Reactor Recirc	Reactor Recirc Pump 1A Discharge Valve	24	Close	L	Yes	Yes > 0.10	No	Not Repaired	Valve size = 24 X 28. Perform diagnostic testing and stem rotation checks with contingency repairs every other refueling outage beginning B1R22 (2018)
1B32-F031B	Reactor Recirc	Reactor Recirc Pump 1B Discharge Valve	24	Close	L	Yes	Yes > 0.10	No	Not Repaired	Valve size = 24 X 28. Perform diagnostic testing and stem rotation checks with contingency repairs every other refueling outage beginning B1R22 (2018)
1B32-F032A	Reactor Recirc	Reactor Recirc Pump 1A Discharge Bypass Valve	4	Close	L	Yes	No	No	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repairs. Committed date B1R22 (2018)
1B32-F032B	Reactor Recirc	Reactor Recirc Pump 1B Discharge Bypass Valve	4	Close	L	Yes	No	No	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repairs. Committed date B1R22 (2018)
1-E41-F002	High Pressure Coolant Injection (HPCI)	HPCI Turbine Steam Supply Inboard Isolation Valve	10	Both	M	Yes	No	No	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repairs. Committed date B1R22 (2018)
1-E41-F003	High Pressure Coolant Injection (HPCI)	HPCI Turbine Steam Supply Outboard Isolation Valve	10	Both	M	Yes	No	No	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repairs. Committed date B1R22 (2018)
1-E41-F006	High Pressure Coolant Injection (HPCI)	HPCI Injection Valve	14	Both	M	Yes	No	No	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repairs. Committed date B1R22 (2018)
1-E51-F008	Reactor Core Isolation Cooling (RCIC)	RCIC Steam Supply Line Outboard Isolation Valve	3	Both	M	Yes	Yes > 0.10	No	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repairs. Committed date B1R22 (2018). Repair valve committed date B1R23 (2020)
1-E51-F013	Reactor Core Isolation Cooling (RCIC)	RCIC Injection Valve	4	Both	M	Yes	Yes > 0.10	No	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repairs. Committed date B1R22 (2018). Repair valve committed date B1R23 (2020)
1-G31-F001	Reactor Water Cleanup (RWCU)	RWCU Inlet Line Inboard Isolation Valve	6	Close	M	No	No	No	Repaired	
1-G31-F004	Reactor Water Cleanup (RWCU)	RWCU Inlet Line Outboard Isolation Valve	6	Close	M	Yes	Yes > 0.10	No	Not Repaired	Perform stem rotation check with contingency repair. Committed Date B1R22 (2018). Perform diagnostic testing and stem rotation check with contingency repair. Committed date B1R23 (2020) Repair/replace valve committed date B1R24 (2022). This valve is limit seated so the risk of breaking the pin during normal operation is low.



# Owner/Operator

PLANT Dkt #

Total # of Valves	-	11	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	5
Total # of Valves Repaired	-	1	Total # Med Risk Valves	-	7	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	10	Total # Low Risk Valves	-	4	Total # Susceptible Valves	-	10
Total # of Valves N/A	-	0						

Brunswick 2 324

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
2B32-F031A	Reactor Recirc	Reactor Recirc Pump 2A Discharge Valve	24	Close	L	Yes	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	Valve size = 24 X 28. Perform diagnostic testing and stem rotation checks with contingency repairs every other refueling outage beginning B2R24 (2019)
2B32-F031B	Reactor Recirc	Reactor Recirc Pump 2B Discharge Valve	24	Close	L	Yes	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	Valve size = 24 X 28. Perform diagnostic testing and stem rotation checks with contingency repairs every other refueling outage beginning B2R24 (2019)
2B32-F032A	Reactor Recirc	Reactor Recirc Pump 2A Discharge Bypass Valve	4	Close	L	No	No	Yes < or = 5 deg.	Not Repaired	
2B32-F032B	Reactor Recirc	Reactor Recirc Pump 2B Discharge Bypass Valve	4	Close	L	Yes	No	No	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repairs. Committed date B1R24 (2019)
2-E41-F002	High Pressure Coolant Injection (HPCI)	HPCI Turbine Steam Supply Inboard Isolation Valve	10	Both	M	Yes	No	No	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repairs. Committed date B1R24 (2019)
2-E41-F003	High Pressure Coolant Injection (HPCI)	HPCI Turbine Steam Supply Outboard Isolation Valve	10	Both	M	Yes	No	No	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repairs. Committed date B1R24 (2019)
2-E41-F006	High Pressure Coolant Injection (HPCI)	HPCI Injection Valve	14	Both	M	Yes	No	No	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repairs. Committed date B1R24 (2019)
2-E51-F008	Reactor Core Isolation Cooling (RCIC)	RCIC Steam Supply Line Outboard Isolation Valve	3	Both	M	No			N/A	Valve is not applicable to Part 21 due to T-Head Design
2-E51-F013	Reactor Core Isolation Cooling (RCIC)	RCIC Injection Valve	4	Both	M	Yes	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	Repair valve committed date B1R24 (2019)
2-G31-F001	Reactor Water Cleanup (RWCU)	RWCU Inlet Line Inboard Isolation Valve	6	Close	M	Yes	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	Repair valve committed date B1R25 (2021)
2-G31-F004	Reactor Water Cleanup (RWCU)	RWCU Inlet Line Outboard Isolation Valve	6	Close	M	Yes	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	Perform diagnostic testing and stem rotation check with contingency repair. Committed date B1R24 (2019) Repair/replace valve committed date B1R26 (2023). This valve is limit seated so the risk of breaking the pin during normal operation is low.

# Owner/Operator

PLANT Dkt #

Total # of Valves	-	11	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	5
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	7	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	10	Total # Low Risk Valves	-	4	Total # Susceptible Valves	-	9
Total # of Valves N/A	-	1						

Catawba 1 413

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
1BB008A	BB	Steam Generator Blowdown Containment Isolation Inside Valve	4	Close	L	No	No	No	Repaired	
1BB010B	BB	Steam Generator Blowdown Containment Isolation Outside Valve	4	Close	L	No	No	No	Repaired	
1BB019A	BB	Steam Generator Blowdown Containment Isolation Inside Valve	4	Close	L	No	No	No	Repaired	
1BB021B	BB	Steam Generator Blowdown Containment Isolation Outside Valve	4	Close	L	No	No	No	Repaired	
1BB056A	BB	Steam Generator Blowdown Containment Isolation Inside Valve	4	Close	L	No	No	No	Repaired	
1BB057B	BB	Steam Generator Blowdown Containment Isolation Outside Valve	4	Close	L	No	No	No	Repaired	
1BB060A	BB	Steam Generator Blowdown Containment Isolation Inside Valve	4	Close	L	No	No	No	Repaired	
1BB061B	BB	Steam Generator Blowdown Containment Isolation Outside Valve	4	Close	L	No	No	No	Repaired	
1CA038A	CA	Turbine Driven Auxiliary Feedwater Pump to Steam Generator Isolation Valve	4	Close	L	No	No	No	Repaired	
1CA042B	CA	Motor Driven Auxiliary Feedwater Pump B to Steam Generator Isolation Valve	4	Close	L	No	No	No	Repaired	
1CA046B	CA	Motor Driven Auxiliary Feedwater Pump B to Steam Generator Isolation Valve	4	Close	L	No	No	No	Repaired	
1CA050A	CA	Turbine Driven Auxiliary Feedwater Pump to Steam Generator Isolation Valve	4	Close	L	No	No	No	Repaired	

# Owner/Operator

PLANT	Dkt #										
1CA054B	CA	Turbine Driven Auxiliary Feedwater Pump to Steam Generator Isolation Valve	4	Close	L	No	No	No	No	Repaired	
1CA058A	CA	Motor Driven Auxiliary Feedwater Pump A to Steam Generator Isolation Valve	4	Close	L	No	No	No	No	Repaired	
1CA062A	CA	Motor Driven Auxiliary Feedwater Pump A to Steam Generator Isolation Valve	4	Close	L	Yes	Yes < or = 0.10	No	No	Not Repaired	Repair valve committed date C1R24 (Fall 2018)
1CA066B	CA	Turbine Driven Auxiliary Feedwater Pump to Steam Generator Isolation Valve	4	Close	L	No	No	No	No	Repaired	
1SV025B	SV	Steam Generator PORV Block Valve	6	Close	L	Yes	No	No	No	Not Repaired	Repair valve committed date C1R24 (Fall 2018).
1SV026B	SV	Steam Generator PORV Block Valve	6	Close	L	No	No	No	No	Repaired	
1SV027A	SV	Steam Generator PORV Block Valve	6	Close	L	Yes	No	No	No	Not Repaired	Repair valve committed date C1R24 (Fall 2018)
1SV028A	SV	Steam Generator PORV Block Valve	6	Close	L	No	No	No	No	Repaired	

Total # of Valves	-	20	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	17	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	1
Total # of Valves Not Repaired	-	3	Total # Low Risk Valves	-	20	Total # Susceptible Valves	-	3
Total # of Valves N/A	-	0						

Catawba 2		414								
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
2BB008A	BB	Steam Generator Blowdown Containment Isolation Inside Valve	4	Close	L	No	No	No	Repaired	
2BB010B	BB	Steam Generator Blowdown Containment Isolation Outside Valve	4	Close	L	No	No	No	Repaired	
2BB019A	BB	Steam Generator Blowdown Containment Isolation Inside Valve	4	Close	L	No	No	No	Repaired	
2BB021B	BB	Steam Generator Blowdown Containment Isolation Outside Valve	4	Close	L	No	No	No	Repaired	

# Owner/Operator

PLANT	Dkt #										
2BB056A	BB	Steam Generator Blowdown Containment Isolation Inside Valve	4	Close	L	No	No	No	Repaired		
2BB057B	BB	Steam Generator Blowdown Containment Isolation Outside Valve	4	Close	L	No	No	No	Repaired		
2BB060A	BB	Steam Generator Blowdown Containment Isolation Inside Valve	4	Close	L	Yes	Yes < or = 0.10	No	Not Repaired	Repair valve committed date C2R22 (Spring 2018)	
2BB061B	BB	Steam Generator Blowdown Containment Isolation Outside Valve	4	Close	L	No	No	No	Repaired		
2CA038A	CA	Turbine Driven Auxiliary Feedwater Pump to Steam Generator Isolation Valve	4	Close	L	Yes	Yes < or = 0.10	No	Not Repaired	Repair valve committed dateC2R22 (Spring 2018)	
2CA042B	CA	Motor Driven Auxiliary Feedwater Pump B to Steam Generator Isolation Valve	4	Close	L	No	No	No	Repaired		
2CA046B	CA	Motor Driven Auxiliary Feedwater Pump B to Steam Generator Isolation Valve	4	Close	L	No	No	No	Repaired		
2CA050A	CA	Turbine Driven Auxiliary Feedwater Pump to Steam Generator Isolation Valve	4	Close	L	No	No	No	Repaired		
2CA054B	CA	Turbine Driven Auxiliary Feedwater Pump to Steam Generator Isolation Valve	4	Close	L	No	No	No	Repaired		
2CA058A	CA	Motor Driven Auxiliary Feedwater Pump A to Steam Generator Isolation Valve	4	Close	L	No	No	No	Repaired		
2CA062A	CA	Motor Driven Auxiliary Feedwater Pump A to Steam Generator Isolation Valve	4	Close	L	No	No	No	Repaired		
2CA066B	CA	Turbine Driven Auxiliary Feedwater Pump to Steam Generator Isolation Valve	4	Close	L	No	No	No	Repaired		
2SV025B	SV	Steam Generator PORV Block Valve	6	Close	L	Yes	No	No	Not Repaired	Repair valve committed date C2R22 (Spring 2018).	
2SV026B	SV	Steam Generator PORV Block Valve	6	Close	L	No	No	No	Repaired		
2SV027A	SV	Steam Generator PORV Block Valve	6	Close	L	Yes	No	No	Not Repaired	Repair valve committed date C2R22 (Spring 2018)	

## Owner/Operator

PLANT

Dkt #

2SV028A

SV

Steam Generator PORV Block Valve

6 Close L No No No Repaired

Total # of Valves	-	20	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	16	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	2
Total # of Valves Not Repaired	-	4	Total # Low Risk Valves	-	20	Total # Susceptible Valves	-	4
Total # of Valves N/A	-	0						

Harris 1

400

Valve ID

System

Func Description

Size

Func

Risk

Susc

Thread Fric

Rot Check

Repair Status

Industry Comments

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

McGuire 1

369

Valve ID

System

Func Description

Size

Func

Risk

Susc

Thread Fric

Rot Check

Repair Status

Industry Comments

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

McGuire 2

370

Valve ID

System

Func Description

Size

Func

Risk

Susc

Thread Fric

Rot Check

Repair Status

Industry Comments

Licensee does not use Anchor/Darling Double Disc Gate Valves

# Owner/Operator

PLANT		Dkt #										
Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0				
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0				
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0				
Total # of Valves N/A	-	0										
Oconee 1		269										
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments		
1FDW-103	FDW	Steam Generator Shell Drain Block Valve	4	Close	L	No	No	No	Repaired			
1FDW-104	FDW	Steam Generator Shell Drain Block Valve	4	Close	L	No	No	No	Repaired			
1SF-97	SF	Spent Fuel Pool to RC Make Up System Block Inside Containment Isolation Valve	3	Both	H	No	No	No	Repaired			
Total # of Valves	-	3	Total # High Risk Valves	-	1	Total Thread Fric > 0.10	-	0				
Total # of Valves Repaired	-	3	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0				
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	2	Total # Susceptible Valves	-	0				
Total # of Valves N/A	-	0										
Oconee 2		270										
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments		
2FDW-103	FDW	Steam Generator Shell Drain Block Valve	4	Close	L	No	No	No	Repaired			
2SF-97	SF	Spent Fuel Pool to RC Make Up System Block Inside Containment Isolation Valve	3	Both	H	No	No	No	Repaired			
Total # of Valves	-	2	Total # High Risk Valves	-	1	Total Thread Fric > 0.10	-	0				
Total # of Valves Repaired	-	2	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0				
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	1	Total # Susceptible Valves	-	0				
Total # of Valves N/A	-	0										
Oconee 3		287										
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments		

Owner/Operator

PLANT	Dkt #									
3FDW-103	FDW	Steam Generator Shell Drain Block Valve	4	Close	L	No	No	No	No	Repaired
3FDW-104	FDW	Steam Generator Shell Drain Block Valve	4	Close	L	No	No	No	No	Repaired
3SF-97	SF	Spent Fuel Pool to RC Make Up System Block Inside Containment Isolation Valve	3	Both	H	No	No	No	No	Repaired

Total # of Valves	-	3	Total # High Risk Valves	-	1	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	3	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	2	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Robinson 2	261										
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments	

AFW-V2-14A	AFW	SDAFW Pump FW Discharge to Steam Generator	4	Both	M	Yes	No	No	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repair. Committed date is 12/31/2018. Replace valve with different design to resolve Flowserve Part 21 issued 2/25/2013 and updated 7/11/2017. Committed date R2R31 (2018).
AFW-V2-14B	AFW	SDAFW Pump FW Discharge to Steam Generator	4	Both	M	Yes	No	No	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repair. Committed date is 12/31/2018. Replace valve with different design to resolve Flowserve Part 21 issued 2/25/2013 and updated 7/11/2017. Committed date R2R31 (2018).
AFW-V2-14C	AFW	SDAFW Pump FW Discharge to Steam Generator	4	Both	M	Yes	No	No	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repair. Committed date is 12/31/2018. Replace valve with different design to resolve Flowserve Part 21 issued 2/25/2013 and updated 7/11/2017. Committed date R2R31 (2018).
AFW-V2-16A	AFW	AFW Header Discharge to Steam Generator	4	Both	M	Yes	No	No	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repair. Committed date is 12/31/2018.
AFW-V2-16B	AFW	AFW Header Discharge to Steam Generator	4	Both	M	Yes	No	No	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repair. Committed date is 12/31/2018.
AFW-V2-16C	AFW	AFW Header Discharge to Steam Generator	4	Both	M	Yes	No	No	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repair. Committed date is 12/31/2018.
CC-716B	CC	Cooling Water Inlet Valve	6	Close	L	No	No	No	Repaired	

# Owner/Operator

PLANT	Dkt #									
CC-730	CC	Bearing Cooling Water Inlet Valve	6	Close	L	Yes	No	No	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repair. Committed date is R2R31 (2018)
CVC-381	CVC	RCP Seal Water Return	3	Close	L	No	No	Yes < or = 10 deg.	Repaired	
MS-V1-8A	MS	Steam Generator Steam Supply to Steam Driven AFW Pump	2	Both	M	No	No	No	Repaired	
MS-V1-8B	MS	Steam Generator Steam Supply to Steam Driven AFW Pump	2	Both	M	No	No	No	Repaired	
MS-V1-8C	MS	Steam Generator Steam Supply to Steam Driven AFW Pump	2	Both	M	No	No	No	Repaired	
RHR-752A	RHR	RHR Pump Suction	14	Close	L	Yes	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repair. Committed date is R2R31 (2018). Repair valve committed date R2R33 (2022)
RHR-752B	RHR	RHR Pump Suction	14	Close	L	Yes	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	
SI-860A	SI	CV Sump Recirc Suction	14	Both	H	Yes	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	Repair valve committed date R2R31 (2018)
SI-860B	SI	CV Sump Recirc Suction	14	Both	H	Yes	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repair. Committed date is R2R31 (2018). Repair valve committed date R2R32 (2020)
SI-861A	SI	CV Sump Recirc Suction	14	Both	H	Yes	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	
SI-861B	SI	CV Sump Recirc Suction	14	Both	H	Yes	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repair. Committed date is R2R31 (2018). Repair valve committed date R2R32 (2020)
SI-862A	SI	RHR Loop RWST Isolation Valve	14	Close	H	Yes	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	
SI-862B	SI	RHR Loop RWST Isolation Valve	14	Close	H	Yes	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	Repair valve committed date R2R31 (2018)
SI-864A	SI	RWST Discharge	16	Close	H	Yes	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	Repair valve committed date R2R31 (2018)
SI-864B	SI	RWST Discharge	16	Close	H	Yes	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	Repair valve committed date R2R31 (2018)



## Owner/Operator

PLANT	Dkt #										
SI-869	SI	Loops "B" and "C" Hot Leg Injection Shutoff	3	Both	L	Yes	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	Replace valve with a different valve design to resolve Flowserve Part 21 issued 2/25/2013 and updated 7/11/2017. Commitment date is R2R31 (2018)	
SI-878A	SI	SI Pump Discharge Header Cross Connect Valve	4	Close	M	Yes	Yes < or = 0.10	No	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repair. Committed date is R2R31 (2018). Repair valve committed date R2R32 (2020)	
SI-878B	SI	SI Pump Discharge Header Cross Connect Valve	4	Close	M	Yes	Yes > 0.10	No	Not Repaired	Perform stem rotation check in accordance with TP16-1-112r4 with contingency repair. Committed date is R2R31 (2018). Repair valve committed date R2R32 (2020)	

Total # of Valves	-	25	Total # High Risk Valves	-	8	Total Thread Fric > 0.10	-	12
Total # of Valves Repaired	-	5	Total # Med Risk Valves	-	11	Total Thread Fric < or = 0.10	-	1
Total # of Valves Not Repaired	-	20	Total # Low Risk Valves	-	6	Total # Susceptible Valves	-	20
Total # of Valves N/A	-	0						

## Owner/Operator Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	95	Total # High Risk Valves	-	11	Total Thread Fric > 0.10	-	22
Total # of Valves Repaired	-	47	Total # Med Risk Valves	-	25	Total Thread Fric < or = 0.10	-	4
Total # of Valves Not Repaired	-	47	Total # Low Risk Valves	-	59	Total # Susceptible Valves	-	46
Total # of Valves N/A	-	1						

## Energy Northwest

Columbia		397										
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments		
HPCS-V-1	High Pressure Core Spray (HPCS)	HPCS-P-1 Suction from Condensate Storage Tank	14	Close	H	No	No	Yes < or = 5 deg.	Repaired			
HPCS-V-12	High Pressure Core Spray (HPCS)	HPCS-P-1 Minimum Flow Valve	4	Both	H	Yes	No	Yes < or = 5 deg.	Repaired			
HPCS-V-15	High Pressure Core Spray (HPCS)	HPCS-P-1 Suction From the Suppression Pool	18	Both	H	Yes	No	Yes < or = 5 deg.	Repaired			
HPCS-V-4	High Pressure Core Spray (HPCS)	HPCS-P-1 Discharge to Reactor Pressure Vessel (Injection Valve)	12	Both	H	Yes	No	Yes < or = 5 deg.	Repaired			

## Owner/Operator

PLANT	Dkt #				
Total # of Valves	-	4	Total # High Risk Valves	-	4
Total # of Valves Repaired	-	4	Total # Med Risk Valves	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0
Total # of Valves N/A	-	0	Total Thread Fric > 0.10	-	0
			Total Thread Fric < or = 0.10	-	0
			Total # Susceptible Valves	-	3

## Owner/Operator Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	4	Total # High Risk Valves	-	4	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	4	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	3
Total # of Valves N/A	-	0						

## Entergy Nuclear Operations, Inc.

Arkansas Nuclear		313										
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments		
CV-1009	Reactor Coolant System (RCS)	Pressurizer Spray Isolation Valve	2	None	L	N/A	No	Yes < 20 deg.	Not Repaired	Valve size is 2.5. Susceptibility has not been determined		
CV-1213	Reactor Coolant System (RCS)	Letdown Heat Exchanger Inlet Valve	2	None	L	Yes	No	Yes < 20 deg.	Repaired	Valve size is 2.5.		
CV-1214	MU	Letdown Heat Exchanger Inlet Isolation Valve	2	Close	L	N/A	No	Yes < 20 deg.	Not Repaired	Valve size is 2.5. Susceptibility has not been determined		
CV-1215	Reactor Coolant System (RCS)	Letdown Heat Exchanger Inlet Valve	2	None	L	Yes	No	Yes < 20 deg.	Repaired	Valve size is 2.5.		
CV-1216	MU	Letdown Heat Exchanger Inlet Isolation Valve	2	Close	L	N/A	No	Yes < 20 deg.	Not Repaired	Valve size is 2.5.		
CV-1221	MU	RCS LD RB Isolation	2	Close	L	Yes	No	Yes < 20 deg.	Repaired	Valve size is 2.5.		
CV-1233	MU	RCS Makeup Block Valve	2	Close	L	Yes	No	Yes < 20 deg.	Repaired	Valve size is 2.5.		
CV-1234	MU	RCS Makeup Block Valve	2	Close	L	Yes	No	Yes < 20 deg.	Repaired	Valve size is 2.5.		

# Owner/Operator

PLANT	Dkt #											
CV-2215	ICW	ICW to LD & RB Coolers	8	Close	L	No	No	Yes < 20 deg.	Not Repaired			
CV-2220	ICW	ICW to LD & CRD Coolers	8	Close	L	No	No	Yes < 20 deg.	Not Repaired			
CV-2221	ICW	ICW to CRD Cooler Supply	8	Close	L	No	No	Yes < 20 deg.	Not Repaired			
CV-2235	ICW	ICW to LD & CRD Coolers	3	Close	L	Yes	No	Yes < 20 deg.	Repaired			
CV-2625	Feedwater (FW)	Main Feedwater Block Valve	18	Close	L	Yes	No	Yes < 20 deg.	Not Repaired	Repair committed date = Spring 2018		
CV-2630	Feedwater (FW)	Main Feedwater Isolation Valve	18	Close	L	Yes	No	Yes < 20 deg.	Not Repaired	Repair committed date = Spring 2018		
CV-2675	Feedwater (FW)	Main Feedwater Block Valve	18	Close	L	Yes	No	Yes < 20 deg.	Not Repaired	Repair committed date = Spring 2018		
CV-2680	Feedwater (FW)	Main Feedwater Isolation Valve	18	Close	L	Yes	No	Yes < 20 deg.	Not Repaired	Repair committed date = Spring 2018		
CV-2827	Feedwater (FW)	FW Crossover Isolation Valve	14	None	L	Yes	No	Yes < 20 deg.	Not Repaired	Repair committed date = Spring 2018		

Total # of Valves	-	17	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	6	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	11	Total # Low Risk Valves	-	17	Total # Susceptible Valves	-	11
Total # of Valves N/A	-	0						

Arkansas Nuclear		368										
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments		
2CV-4653	Reactor Coolant System (RCS)	Pressurizer Spray Isolation Valve	3	None	L	Yes	N/A	No	Not Repaired			
2CV-4654	Reactor Coolant System (RCS)	Pressurizer Spray Isolation Valve	3	None	L	Yes	N/A	No	Not Repaired			
2CV-4655	Reactor Coolant System (RCS)	Pressurizer Spray Isolation Valve	3	None	L	Yes	N/A	No	Not Repaired			

## Owner/Operator

### PLANT

### Dkt #

2CV-4656

Reactor Coolant  
System (RCS)

Pressurizer Spray Isolation Valve

3

None

L

Yes

N/A

No

Not  
Repaired

Total # of Valves	-	4	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	4	Total # Low Risk Valves	-	4	Total # Susceptible Valves	-	4
Total # of Valves N/A	-	0						

### Grand Gulf 1

416

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
1B33F023A	Recirc	Recirc Pump A Suction Valve	24	None	N/A	Yes	No	Yes < or = 5 deg.	Not Repaired	
1B33F023B	Recirc	Recirc Pump B Suction Valve	24	None	N/A	Yes	No	Yes < or = 5 deg.	Not Repaired	
1B33F067A	Recirc	Recirc Pump A Discharge Valve	24	None	N/A	No	N/A	No	Repaired	Repaired in 2004
1B33F067B	Recirc	Recirc Pump B Discharge Valve	24	None	N/A	No	N/A	No	Repaired	Repaired in 2004

Total # of Valves	-	4	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	2	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	2	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	2
Total # of Valves N/A	-	0						

### Indian Point 2

247

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
1802A	Safety Injection (SI)	21 Recirculation Pump Discharge Stop Valve	10	Both	M	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	
1802B	Safety Injection (SI)	22 Recirculation Pump Discharge Stop Valve	10	Both	M	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	
744	Residual Heat Removal (RHR)	RHR Pumps Discharge to Residual Heat Exchangers Isolation Valve	10	Close	L	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	

Owner/Operator

PLANT	Dkt #									
746	Residual Heat Removal (RHR)	RHR Hx-22 Outlet Isolation Stop Valve	8	Both	H	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	
747	Residual Heat Removal (RHR)	RHR Hx-21 Outlet Isolation Stop Valve	8	Both	H	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	
769	Component Cooling Water (CCW)	RCPSTRV Support CCW Inlet Isolation Valve	6	Close	L	No	Yes < or = 0.10	Yes < or = 10 deg.	Not Repaired	
784	Component Cooling Water (CCW)	RCPS Bearing Water Return Isolation Valve	6	Close	L	No	Yes < or = 0.10	Yes < or = 10 deg.	Not Repaired	
797	Component Cooling Water (CCW)	RCPS-RV Support CCW Inlet Isolation Valve	6	Close	L	No	Yes < or = 0.10	No	Not Repaired	
850A	Safety Injection (SI)	21 Safety Injection Pump Discharge Stop Valve	4	Close	L	No	No	No	Not Repaired	
850B	Safety Injection (SI)	23 Safety Injection Pump Discharge Stop Valve	4	Close	L	No	No	Yes < or = 10 deg.	Not Repaired	
851A	Safety Injection (SI)	22 SI Pump Tie Valve to Discharge of 21 SI Pump	4	Close	L	No	Yes > 0.10	Yes < or = 10 deg.	Repaired	
851B	Safety Injection (SI)	22 SI Pump Tie Valve to Discharge of 23 SI Pump	4	Close	L	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	
882	Safety Injection (SI)	RHR Pumps Suction From RWST	10	Close	M	No	Yes < or = 0.10	No	Not Repaired	
885A	Safety Injection (SI)	RHR Pump Suction From Containment Sump	12	Both	M	No	Yes > 0.10	Yes < or = 10 deg.	Repaired	
885B	Safety Injection (SI)	RHR Pump Suction From Containment Sump	12	Both	M	No	Yes > 0.10	Yes < or = 10 deg.	Repaired	
888A	Safety Injection (SI)	SI Pumps Suction From Residual Heat Exchanger 21 & 22	4	Both	H	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	
888B	Safety Injection (SI)	SI Pumps Suction From Residual Heat Exchanger 21 & 22	4	Both	H	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	
894A	Safety Injection (SI)	Accumulator Tank 21 Discharge Stop Valve	8	None	L	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	

## Owner/Operator

PLANT	Dkt #									
894B	Safety Injection (SI)	Accumulator Tank 22 Discharge Stop Valve	8	None	L	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	
894C	Safety Injection (SI)	Accumulator Tank 23 Discharge Stop Valve	8	None	L	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	
894D	Safety Injection (SI)	Accumulator Tank 24 Discharge Stop Valve	8	None	L	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	
FCV-625	Component Cooling Water (CCW)	RCP Thermal Barrier CCW Return Header Flow	3	Close	L	No	Yes > 0.10	Yes < or = 10 deg.	Repaired	

Total # of Valves	-	22	Total # High Risk Valves	-	4	Total Thread Fric > 0.10	-	16
Total # of Valves Repaired	-	4	Total # Med Risk Valves	-	5	Total Thread Fric < or = 0.10	-	4
Total # of Valves Not Repaired	-	18	Total # Low Risk Valves	-	13	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Indian Point 3		286											
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments			
AC-MOV-1802A	Safety Injection (SI)	Recirc Pump Discharge Isolation Valve	10	Both	M	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired				
AC-MOV-1802B	Safety Injection (SI)	Recirc Pump Discharge Isolation Valve	10	Both	M	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired				
AC-MOV-1835A	Safety Injection (SI)	BIT Outlet Isolation Valve	4	Both	L	Yes	Yes < or = 0.10	Yes < or = 10 deg.	Not Repaired	Repair committed date = Spring 2019			
AC-MOV-1835B	Safety Injection (SI)	BIT Outlet Isolation Valve	4	Both	L	No	Yes < or = 0.10	No	Not Repaired				
AC-MOV-1852A	Safety Injection (SI)	Boron Injection Tank Inlet Stop Valve	4	None	L	No	Yes < or = 0.10	Yes < or = 10 deg.	Not Repaired				
AC-MOV-1852B	Safety Injection (SI)	Boron Injection Tank Inlet Stop Valve	4	None	L	No	Yes < or = 0.10	Yes < or = 10 deg.	Not Repaired				
AC-MOV-1869A	Safety Injection (SI)	32 RHR Outlet to SI/RHR Miniflow Isolation Valve	6	Close	L	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired				
AC-MOV-1869B	Safety Injection (SI)	31 RHR Outlet to SI/RHR Miniflow Isolation Valve	6	Close	L	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired				

# Owner/Operator

PLANT	Dkt #										
AC-MOV-743	Residual Heat Removal (RHR)	RHR Loop Miniflow Test Line Stop Valve	3	Close	L	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired		
AC-MOV-744	Residual Heat Removal (RHR)	RHR Pumps Discharge Isolation Valve	10	Close	L	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired		
AC-MOV-745A	Residual Heat Removal (RHR)	32 RHR Heat Exchabger Inlet Isolation Valve	6	Close	L	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired		
AC-MOV-745B	Residual Heat Removal (RHR)	32 RHR Heat Exchabger Inlet Isolation Valve	6	Close	L	Yes	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	Repair committed date = Spring 2019	
AC-MOV-851A	Safety Injection (SI)	32 SI Pump Discharge Isolation Valve	4	Both	L	Yes	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	Repair committed date = Spring 2019	
AC-MOV-851B	Safety Injection (SI)	32 SI Pump Discharge Isolation Valve	4	Both	L	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired		
AC-MOV-856A	Containment Spray	Containment Spray Pump #31 Discharge Stop Valve	6	Both	L	Yes	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	Repair committed date = Spring 2019	
AC-MOV-856B	Containment Spray	Containment Spray Pump #32 Discharge Stop Valve	6	Both	L	Yes	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	Repair committed date = Spring 2019	
AC-MOV-882	Safety Injection (SI)	RHR Pumps RWST Suction Isolation Valve	10	Close	L	Yes	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	Repair committed date = Spring 2019	
AC-MOV-883	Safety Injection (SI)	RHR Pump Recirc Line to RWST Stop Valve	8	Open	L	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired		
AC-MOV-885A	Safety Injection (SI)	Containment Sump RHR Suction Isolation Valve	14	Both	M	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired		
AC-MOV-885B	Safety Injection (SI)	Containment Sump RHR Suction Isolation Valve	14	Both	M	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired		
AC-MOV-888A	Safety Injection (SI)	Low Head to High Head SI Recirc Stop Valve	4	Both	M	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired		
AC-MOV-888B	Safety Injection (SI)	Low Head to High Head SI Recirc Stop Valve	4	Both	M	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired		
AC-MOV-889A	CSS	32 RHR Heat Exchanger Outlet to Spray Header Stop Valve	6	Open	L	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired		

## Owner/Operator

PLANT	Dkt #										
AC-MOV-889B	CSS	31 RHR Heat Exchanger Outlet to Spray Header Stop Valve	6	Open	L	Yes	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	Repair committed date = Spring 2019	
AC-MOV-894A	Safety Injection (SI)	Accumulator Tank 31 Discharge Stop Valve	8	None	L	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired		
AC-MOV-894B	Safety Injection (SI)	Accumulator Tank 32 Discharge Stop Valve	8	None	L	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired		
AC-MOV-894C	Safety Injection (SI)	Accumulator Tank 33 Discharge Stop Valve	8	None	L	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired		
AC-MOV-894D	Safety Injection (SI)	Accumulator Tank 34 Discharge Stop Valve	8	None	L	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired		

Total # of Valves	-	28	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	24
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	6	Total Thread Fric < or = 0.10	-	4
Total # of Valves Not Repaired	-	28	Total # Low Risk Valves	-	22	Total # Susceptible Valves	-	7
Total # of Valves N/A	-	0						

Palisades												255		
Valve ID		System	Func Description			Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments	

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Pilgrim 1												293			
Valve ID		System		Func Description			Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments	

MO-1001-29B Residual Heat Removal (RHR) LPCI Loop B Injection Valve #2 18 Both H Yes Yes > 0.10 No Not Repaired Repair committed date = F/O 2018

MO-202-4A Recirc Reactor Recirc Pump A Suction Valve 24 None N/A N/A N/A N/A Not Repaired Valve size is 28 X 24 X 28



## Owner/Operator

PLANT	Dkt #										
MO-202-4B	Recirc	Reactor Recirc Pump B Suction Valve	24	None	N/A	N/A	N/A	N/A	Not Repaired	Valve size is 28 X 24 X 28	
MO-202-5A	Recirc	Reactor Recirc Pump A Discharge Valve	24	Close	H	No	Yes > 0.10	No	Not Repaired	Valve size is 28 X 24 X 28	
MO-202-5B	Recirc	Reactor Recirc Pump B Discharge Valve	24	Close	H	No	Yes > 0.10	No	Not Repaired	Valve size is 28 X 24 X 28	

Total # of Valves	-	5	Total # High Risk Valves	-	3	Total Thread Fric > 0.10	-	3
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	5	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	1
Total # of Valves N/A	-	0						

River Bend 1		458											
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status			Industry Comments	
B33-MOVF023A	Recirc	Reactor Recirc Pump A Discharge Header Loop A Isolation Valve Oper	24	None	N/A	Yes	No	No	No	Not Repaired			
B33-MOVF023B	Recirc	Reactor Recirc Pump B Discharge Header Loop B Isolation Valve Oper	24	None	N/A	Yes	No	No	No	Not Repaired			
B33-MOVF067A	Recirc	Reactor recirc Pump A Suction Header Loop A Isolation Valve Oper	24	None	N/A	No	Yes < or = 0.10	No	No	Repaired			Repaired in 2007
B33-MOVF067B	Recirc	Reactor recirc Pump B Suction Header Loop B Isolation Valve Oper	24	None	N/A	No	Yes < or = 0.10	No	No	Repaired			Repaired in 2007

Total # of Valves	-	4	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	2	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	2
Total # of Valves Not Repaired	-	2	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	2
Total # of Valves N/A	-	0						

Waterford 3		382									
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments	
SI MVAAA407A	Safety Injection (SI)	RC Loop 2 SDC Suction Outside Containment Isolation Valve	14	Open	L	Yes	No	Yes < or = 5 deg.	Not Repaired	Repair committed date = Jan/Feb 2019	

## Owner/Operator

PLANT	Dkt #										
SI MVA407B	Safety Injection (SI)	RC Loop 1 SDC Suction Outside Containment Isolation Valve	14	Open	L	Yes	No	Yes < or = 5 deg.	Not Repaired	Repair committed date = Jan/Feb 2019	

Total # of Valves	-	2	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	2	Total # Low Risk Valves	-	2	Total # Susceptible Valves	-	2
Total # of Valves N/A	-	0						

## Owner/Operator Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	86	Total # High Risk Valves	-	7	Total Thread Fric > 0.10	-	43
Total # of Valves Repaired	-	14	Total # Med Risk Valves	-	11	Total Thread Fric < or = 0.10	-	10
Total # of Valves Not Repaired	-	72	Total # Low Risk Valves	-	58	Total # Susceptible Valves	-	29
Total # of Valves N/A	-	0						

## Exelon Generation Co., LLC

Braidwood 1 456

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
----------	--------	------------------	------	------	------	------	-------------	-----------	---------------	-------------------

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Braidwood 2 457

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
----------	--------	------------------	------	------	------	------	-------------	-----------	---------------	-------------------

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

# Owner/Operator

PLANT	Dkt #										
Byron 1	454										
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments	

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Byron 2	455										
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments	

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Calvert Cliffs 1	317										
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments	

1MOV0403	Reactor Coolant Pressurizer	PORV Blocking Valve	2	Both	M	No			N/A	Valve size is 2.5. Valve is not applicable to Part 21 due to T-Head Design	
1MOV0405	Reactor Coolant Pressurizer	PORV Blocking Valve	2	Both	M	No			N/A	Valve size is 2.5. Valve is not applicable to Part 21 due to T-Head Design	
1MOV2080	Instrument Air	Instrument Air Containment Isolation Valve	2	Both	L	No			N/A	Valve is not applicable to Part 21 due to T-Head Design	

Total # of Valves	-	3	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	2	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	1	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	3						

# Owner/Operator

PLANT		Dkt #									
Calvert Cliffs 2		318									
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments	
2MOV0403	Reactor Coolant Pressurizer	PORV Blocking Valve	2	Both	M	No			N/A	Valve size is 2.5. Valve is not applicable to Part 21 due to T-Head Design	
2MOV0405	Reactor Coolant Pressurizer	PORV Blocking Valve	2	Both	M	No			N/A	Valve size is 2.5. Valve is not applicable to Part 21 due to T-Head Design	
2MOV2080	Instrument Air	Instrument Air Containment Isolation Valve	2	Both	L	No			N/A	Valve is not applicable to Part 21 due to T-Head Design	

Total # of Valves	-	3	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	2	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	1	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	3						

Clinton 1		461									
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments	

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Dresden 2		237									
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments	
2-0205-2-4	Nuclear Boiler	Reactor Head Spray Outboard Isolation Valve	3	Close	L	No			N/A	Valve is not applicable to Part 21 due to T-Head Design	
2-1001-01A	Residual Heat Removal	Shutdown Cooling Suction Inboard Containment Isolation Valve	16	Close	L	No	No	Yes < or = 5 deg.	Not Repaired	Last diagnostic test = 2017	
2-1001-01B	Residual Heat Removal	Shutdown Cooling Suction Inboard Containment Isolation Valve	16	Close	L	No	No	Yes < or = 5 deg.	Not Repaired	Last diagnostic test = 2009	

# Owner/Operator

PLANT Dkt #

Total # of Valves	-	3	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	2	Total # Low Risk Valves	-	3	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	1						

Dresden 3 249

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
3-0205-2-4	Nuclear Boiler	Reactor Head Spray Outboard Isolation Valve	2	Close	L	No			N/A	Valve size is 2.5. Valve is not applicable to Part 21 due to T-Head Design
3-1201-1	Reactor Water Cleanup (RWCU)	RWCU Inlet Containment Isolation Valve	8	Close	M	No	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2016
3-1201-1-1A	Reactor Water Cleanup (RWCU)	RWCU Inlet Bypass Containment Isolation Valve	2	Close	M	No			N/A	Valve is not applicable to Part 21 due to T-Head Design
3-1201-2	Reactor Water Cleanup (RWCU)	RWCU Aux Pump Bypass	8	Close	M	No	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2014

Total # of Valves	-	4	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	3	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	2	Total # Low Risk Valves	-	1	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	2						

FitzPatrick 333

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
02-2MOV-53A	Reactor Recirculation	Reactor Recirc Pump A Discharge	28	Close	L	Yes	Yes > 0.10	No	Not Repaired	Last diagnostic test = 2014. Repair valve committed date FPR25 (2022). Valve will also undergo stem rotation checks and diagnostic testing during FPR23 (2018) and FPR24 (2020).
02-2MOV-53B	Reactor Recirculation	Reactor Recirc Pump A Discharge	28	Close	L	Yes	Yes > 0.10	No	Not Repaired	Last diagnostic test = 2014. Repair valve committed date FPR25 (2022). Valve will also undergo stem rotation checks and diagnostic testing during FPR23 (2018) and FPR24 (2020).
10MOV-16A	Residual Heat Removal (RHR)	RHR A Minimum Flow	4	Both	L	No	No	No	Not Repaired	Last diagnostic test = 2010
10MOV-16B	Residual Heat Removal (RHR)	RHR B Minimum Flow	4	Both	L	No	No	No	Not Repaired	Last diagnostic test = 2010

# Owner/Operator

PLANT	Dkt #										
10MOV-17	Residual Heat Removal (RHR)	RHR Shutdown Cooling Outboard Isolation Valve	20	Close	M	No	No	No	Not Repaired	Last diagnostic test = 2014	
10MOV-18	Residual Heat Removal (RHR)	RHR Shutdown Cooling Inboard Isolation Valve	20	Close	M	No	No	No	Not Repaired	Last diagnostic test = 2017	
10MOV-26A	Residual Heat Removal (RHR)	RHR Train A Containment Spray	10	Both	H	Yes	Yes > 0.10	No	Not Repaired	Last diagnostic test = 2017. Repair valve committed date FPR23 (2018)	
10MOV-26B	Residual Heat Removal (RHR)	RHR Train B Containment Spray	10	Both	H	Yes	Yes > 0.10	No	Not Repaired	Last diagnostic test = 2014. Repair valve committed date FPR23 (2018) or will complete in a 2018 RHR work window.	
10MOV-39B	Residual Heat Removal (RHR)	RHR Train B Torus Cooling Isolation	16	Both	H	No	Yes < or = 0.10	No	Not Repaired	Last diagnostic test = 2013	
12MOV-15	Reactor Water Cleanup (RWCU)	RWCU Supply Inboard	6	Close	H	Yes	Yes > 0.10	No	Not Repaired	Last diagnostic test = 2017. Repair valve committed date FPR23 (2018)	
12MOV-69	Reactor Water Cleanup (RWCU)	RWCU Return Containment	4	Close	L	Yes	Yes > 0.10	No	Not Repaired	Last diagnostic test = 2012. Repair valve committed date FPR25 (2022). Valve will also undergo stem rotation checks and diagnostic testing during FPR23 (2018) and FPR24 (2020).	
13MOV-15	Reactor Core Isolation Cooling (RCIC)	RCIC Steam Supply Inboard Isolation Valve	3	Close	H	No			N/A	Valve is not applicable to Part 21 due to T-Head Design	
20MOV-82	Rad Waste	Drywell Floor Drain Sump Isolation Valve	3	Close	L	No			N/A	Valve is not applicable to Part 21 due to T-Head Design	
20MOV-94	Rad Waste	Drywell Equipment Drain Sump Isolation	3	Close	L	No			N/A	Valve is not applicable to Part 21 due to T-Head Design	
23MOV-15	High Pressure Coolant Injection (HPCI)	HPCI Steam Supply Isolation	10	Close	H	No	Yes < or = 0.10	No	Not Repaired	Last diagnostic test = 2014.	
29MOV-74	Main Steam	Main Steam Line Drain Inboard Isolation Valve	3	Close	L	No			N/A	Valve is not applicable to Part 21 due to T-Head Design	
29MOV-77	Main Steam	Main Steam Line Drain Outboard Isolation Valve	3	Close	L	No			N/A	Valve is not applicable to Part 21 due to T-Head Design	
Total # of Valves	-	17	Total # High Risk Valves	-	6	Total Thread Fric > 0.10		-	6		
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	2	Total Thread Fric < or = 0.10		-	2		
Total # of Valves Not Repaired	-	12	Total # Low Risk Valves	-	9	Total # Susceptible Valves		-	6		
Total # of Valves N/A	-	5									

Owner/Operator

PLANT Dkt #

Ginna 244

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
515	Reactor Coolant System (RCS) Pressurizer	Pressurizer Relief Stop Valve	3	Both	L	No			N/A	Valve is not applicable to Part 21 due to T-Head Design
516	Reactor Coolant System (RCS) Pressurizer	Pressurizer Relief Stop Valve	3	Both	L	No			N/A	Valve is not applicable to Part 21 due to T-Head Design
704A	Residual Heat Removal (RHR)	RHR Pump 1A Cross Connect	10	Close	L	Yes	Yes > 0.10	No	Not Repaired	Last diagnostic test = 2011. Repair valve committed date = G1R42 (2020). Assuming no degradation is found, a high strength wedge pin will be used. If degraded, a full repair in accordance with TP16-1-112r4 will be performed.
704B	Residual Heat Removal (RHR)	RHR Pump 1B Cross Connect	10	Close	L	Yes	Yes > 0.10	No	Not Repaired	Last diagnostic test = 2009. Repair valve committed date = G1R42 (2020). Assuming no degradation is found, a high strength wedge pin will be used. If degraded, a full repair in accordance with TP16-1-112r4 will be performed.
841	Safety Injection (SI)	Accumlator tank 1A Shutoff	10	Close	M	Yes	Yes > 0.10	No	Not Repaired	Last diagnostic test = 2014. Repair valve committed date = G1R42 (2020). Assuming no degradation is found, a high strength wedge pin will be used. If degraded, a full repair in accordance with TP16-1-112r4 will be performed.
850A	Residual Heat Removal (RHR)	Sump B to RHR Pumps	10	Both	H	No	No	Yes < or = 5 deg.	Not Repaired	Last diagnostic test = 2017
850B	Residual Heat Removal (RHR)	Sump B to RHR Pumps	10	Both	H	No	No	Yes < or = 5 deg.	Not Repaired	Last diagnostic test = 2017
856	Residual Heat Removal (RHR)	RWST to RHR Pumps	10	Close	M	No	No	No	Not Repaired	Last diagnostic test = 2011
857A	Residual Heat Removal (RHR)	1A RHR Heat Exchanger to SI/CSP	6	Open	L	No	No	No	Not Repaired	Last diagnostic test = 2014
857B	Residual Heat Removal (RHR)	1B RHR Heat Exchanger to SI/CSP	6	Open	M	No	No	Yes < or = 5 deg.	Not Repaired	Last diagnostic test = 2017
857C	Residual Heat Removal (RHR)	RHR Heat Exchanger to 1A Outlet	6	Open	L	No	No	No	Not Repaired	Last diagnostic test = 2015
860A	Containment Spray	1A CSP Discharge	6	Both	L	No	No	No	Not Repaired	Last diagnostic test = 2014

## Owner/Operator

PLANT	Dkt #										
860B	Containment Spray	1A CSP Discharge	6	Both	L	No	No	No	No	Not Repaired	Last diagnostic test = 2015
860C	Containment Spray	1B CSP Discharge	6	Both	L	No	No	No	No	Not Repaired	Last diagnostic test = 2015
860D	Containment Spray	1B CSP Discharge	6	Both	L	No	No	No	No	Not Repaired	Last diagnostic test = 2015
865	Safety Injection (SI)	Accumulator tank 1B Shutoff	10	Close	M	Yes	Yes > 0.10	No	No	Not Repaired	Last diagnostic test = 2014. Repair valve committed date = G1R42 (2020). Assuming no degradation is found, a high strength wedge pin will be used. If degraded, a full repair in accordance with TP16-1-112r4 will be performed.

Total # of Valves	-	16	Total # High Risk Valves	-	2	Total Thread Fric > 0.10	-	4
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	4	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	14	Total # Low Risk Valves	-	10	Total # Susceptible Valves	-	4
Total # of Valves N/A	-	2						

LaSalle County 1		373									
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments	
1B21-F067A	Main Steam (MS) Drains	MS Drain Line Isolation Valve	1	Close	L	No			N/A	Valve size is 1.5. Valve is not applicable to Part 21 due to T-Head Design	
1B21-F067B	Main Steam (MS) Drains	MS Drain Line Isolation Valve	1	Close	L	No			N/A	Valve size is 1.5. Valve is not applicable to Part 21 due to T-Head Design	
1B21-F067C	Main Steam (MS) Drains	MS Drain Line Isolation Valve	1	Close	L	No			N/A	Valve size is 1.5. Valve is not applicable to Part 21 due to T-Head Design	
1B21-F067D	Main Steam (MS) Drains	MS Drain Line Isolation Valve	1	Close	L	No			N/A	Valve size is 1.5. Valve is not applicable to Part 21 due to T-Head Design	
1E22-F004	High Pressure Core Spray (HPCS)	HPCS Injection Isolation Valve	12	Both	M	No	N/A	No	Repaired	Valve was repaired June 2017	
1E22-F012	High Pressure Core Spray (HPCS)	HPCS Pump Min Flow	4	Both	M	Yes	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2016. Repair valve committed date = L1R17 (2018).	
1E22-F015	High Pressure Core Spray (HPCS)	HPCS Pump Suppression Pool Suction	18	Close	L	Yes	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2016. Repair valve committed date = L1R17 (2018).	



# Owner/Operator

PLANT	Dkt #									
1E51-F008	Reactor Core Isolation Cooling (RCIC)	RCIC Steam Outboard Isolation Valve	4	Close	M	Yes	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2016. Repair valve committed date = L1R17 (2018).
1E51-F013	Reactor Core Isolation Cooling (RCIC)	RCIC Injection Outboard Isolation Valve	6	Both	L	Yes	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2016. Repair valve committed date = L1R17 (2018).
1E51-F063	Reactor Core Isolation Cooling (RCIC)	RCIC Steam Supply Inboard Isolation Valve	10	Close	H	Yes	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2016. Repair valve committed date = L1R17 (2018).
1G33-F001	Reactor Water Cleanup (RWCU)	RWCU Inboard Isolation Valve	6	Close	M	Yes	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2016. Repair valve committed date = L1R17 (2018).
1G33-F004	Reactor Water Cleanup (RWCU)	RWCU Outboard Isolation Valve	6	Close	H	Yes	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2016. Repair valve committed date = L1R17 (2018).

Total # of Valves	-	12	Total # High Risk Valves	-	2	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	1	Total # Med Risk Valves	-	4	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	7	Total # Low Risk Valves	-	6	Total # Susceptible Valves	-	7
Total # of Valves N/A	-	4						

LaSalle County 2		374									
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments	
2B21-F067A	Main Steam (MS) Drains	MS Drain Line Isolation Valve	1	Close	L	No			N/A	Valve size is 1.5. Valve is not applicable to Part 21 due to T-Head Design	
2B21-F067B	Main Steam (MS) Drains	MS Drain Line Isolation Valve	1	Close	L	No			N/A	Valve size is 1.5. Valve is not applicable to Part 21 due to T-Head Design	
2B21-F067C	Main Steam (MS) Drains	MS Drain Line Isolation Valve	1	Close	L	No			N/A	Valve size is 1.5. Valve is not applicable to Part 21 due to T-Head Design	
2B21-F067D	Main Steam (MS) Drains	MS Drain Line Isolation Valve	1	Close	L	No			N/A	Valve size is 1.5. Valve is not applicable to Part 21 due to T-Head Design	
2E22-F004	High Pressure Core Spray (HPCS)	HPCS Injection Isolation Valve	12	Both	M	No	No	No	Repaired	Valve was repaired February 2017	
2E22-F012	High Pressure Core Spray (HPCS)	HPCS Pump Min Flow	4	Both	M	Yes	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2015. Repair valve committed date = L2R17 (2019).	
2E22-F015	High Pressure Core Spray (HPCS)	HPCS Pump Suppression Pool Suction	18	Close	L	Yes	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2015. Repair valve committed date = L2R17 (2019).	

## Owner/Operator

PLANT	Dkt #									
2E51-F008	Reactor Core Isolation Cooling (RCIC)	RCIC Steam Outboard Isolation Valve	4	Close	M	Yes	No	Yes < or = 5 deg.	Not Repaired	Last diagnostic test = 2017. Repair valve committed date = L2R17 (2019).
2E51-F063	Reactor Core Isolation Cooling (RCIC)	RCIC Steam Supply Inboard Isolation Valve	10	Close	H	Yes	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2015. Repair valve committed date = L2R17 (2019).
2G33-F001	Reactor Water Cleanup (RWCU)	RWCU Inboard Isolation Valve	6	Close	M	Yes	No	Yes < or = 5 deg.	Not Repaired	Last diagnostic test = 2017. Repair valve committed date = L2R17 (2019).
2G33-F004	Reactor Water Cleanup (RWCU)	RWCU Outboard Isolation Valve	6	Close	H	Yes	No	Yes < or = 5 deg.	Not Repaired	Last diagnostic test = 2017. Repair valve committed date = L2R17 (2019).

Total # of Valves	-	11	Total # High Risk Valves	-	2	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	1	Total # Med Risk Valves	-	4	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	6	Total # Low Risk Valves	-	5	Total # Susceptible Valves	-	6
Total # of Valves N/A	-	4						

Limerick 1		352									
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments	
HV-052-1F001A	Core Spray	Core Spray Cooling Pump A Suction Valve	16	Close	L	No	No	Yes < or = 5 deg.	Not Repaired	Last diagnostic test = 2016	
HV-052-1F001B	Core Spray	Core Spray Cooling Pump B Suction Valve	16	Close	L	No	No	Yes < or = 5 deg.	Not Repaired	Last diagnostic test = 2014	
HV-052-1F001C	Core Spray	Core Spray Cooling Pump C Suction Valve	16	Close	L	No	No	Yes < or = 5 deg.	Not Repaired	Last diagnostic test = 2014	
HV-052-1F001D	Core Spray	Core Spray Cooling Pump D Suction Valve	16	Close	L	No	No	Yes < or = 5 deg.	Not Repaired	Last diagnostic test = 2015	

Total # of Valves	-	4	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	4	Total # Low Risk Valves	-	4	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Limerick 2	353									
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments

## Owner/Operator

PLANT	Dkt #										
HV-052-2F001A	Core Spray	Core Spray Cooling Pump A Suction Valve	16	Close	L	No	No	Yes < or = 5 deg.	Not Repaired	Last diagnostic test = 2015	
HV-052-2F001B	Core Spray	Core Spray Cooling Pump B Suction Valve	16	Close	L	No	No	Yes < or = 5 deg.	Not Repaired	Last diagnostic test = 2016	
HV-052-2F001C	Core Spray	Core Spray Cooling Pump C Suction Valve	16	Close	L	No	No	Yes < or = 5 deg.	Not Repaired	Last diagnostic test = 2015	
HV-052-2F001D	Core Spray	Core Spray Cooling Pump D Suction Valve	16	Close	L	No	No	Yes < or = 5 deg.	Not Repaired	Last diagnostic test = 2016	

Total # of Valves	-	4	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	4	Total # Low Risk Valves	-	4	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Nine Mile Point 1		220											
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments			
Licensee does not use Anchor/Darling Double Disc Gate Valves													

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Nine Mile Point 2	410									
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
Licensee does not use Anchor/Darling Double Disc Gate Valves										

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

# Owner/Operator

PLANT Dkt #

Oyster Creek 219

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
V-14-0030	Isolation Condenser (IC)	IC NEO1A Inlet Isolation Valve	10	Close	M	Yes	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2016. Repair committed date = OC1R27 (2018)
V-14-0031	Isolation Condenser (IC)	IC NEO1A Inlet Isolation Valve	10	Close	M	Yes	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2012. Repair committed date = OC1R27 (2018)
V-14-0032	Isolation Condenser (IC)	IC NEO1B Inlet Isolation Valve	10	Close	M	Yes	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2010. Repair committed date = OC1R27 (2018)
V-14-0033	Isolation Condenser (IC)	IC NEO1B Inlet Isolation Valve	10	Close	M	Yes	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2016. Repair committed date = OC1R27 (2018)
V-14-0034	Isolation Condenser (IC)	IC NEO1A Outlet Isolation Valve	10	Both	H	Yes	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2016. Repair committed date = OC1R27 (2018)
V-14-0035	Isolation Condenser (IC)	IC NEO1B Outlet Isolation Valve	10	Both	H	Yes	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2016. Repair committed date = OC1R27 (2018)

Total # of Valves	-	6	Total # High Risk Valves	-	2	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	4	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	6	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	6
Total # of Valves N/A	-	0						

Peach Bottom 2 277

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
MO-2-01A-074	Main Steam	MSL Drain Inboard Isolation to Condenser	3	Close	L	No	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2014.
MO-2-01A-077	Main Steam	MSL Drain Outboard Isolation to Condenser	3	Close	L	No	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2014.
MO-2-02-53A	Reactor Recirc	Reactor Recirc Pump A Discharge	24	Close	L	Yes	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2016. Repair committed date = P2R24 (2022). Valve will undergo stem rotation check and diagnostic testing during P2R22 (2018) and P2R23 (2020).
MO-2-02-53B	Reactor Recirc	Reactor Recirc Pump B Discharge	24	Close	L	Yes	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2016. Repair committed date = P2R24 (2022). Valve will undergo stem rotation check and diagnostic testing during P2R22 (2018) and P2R23 (2020).

# Owner/Operator

PLANT Dkt #

Total # of Valves	-	4	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	4	Total # Low Risk Valves	-	4	Total # Susceptible Valves	-	2
Total # of Valves N/A	-	0						

Peach Bottom 3 278

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
MO-3-01A-074	Main Steam	MSL Drain Inboard Isolation to Condenser	3	Close	L	No	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2013
MO-3-01A-077	Main Steam	MSL Drain Outboard Isolation to Condenser	3	Close	L	No	No	Yes < or = 5 deg.	Not Repaired	Last diagnostic test = 2017
MO-3-02-53A	Reactor Recirc	Reactor Recirc Pump A Discharge	24	Close	L	Yes	No	Yes < or = 5 deg.	Not Repaired	Last diagnostic test = 2017. Repair committed date = P2323 (2022). Valve will undergo stem rotation check and diagnostic testing during P3R22 (2019)
MO-3-02-53B	Reactor Recirc	Reactor Recirc Pump B Discharge	24	Close	L	Yes	No	Yes < or = 5 deg.	Not Repaired	Last diagnostic test = 2017. Repair committed date = P2323 (2022). Valve will undergo stem rotation check and diagnostic testing during P3R22 (2019)

Total # of Valves	-	4	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	4	Total # Low Risk Valves	-	4	Total # Susceptible Valves	-	2
Total # of Valves N/A	-	0						

Quad Cities 1 254

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
1-1201-2	Reactor Water Cleanup (RWCUC)	RWCUC Inboard Isolation Valve	6	Close	H	Yes	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2015. Repair committed date = Q1R25 (2019)
1-1201-5	Reactor Water Cleanup (RWCUC)	RWCUC Outboard Isolation Valve	6	Close	M	Yes	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2017. Repair committed date = Q1R25 (2019)

Total # of Valves	-	2	Total # High Risk Valves	-	1	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	1	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	2	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	2
Total # of Valves N/A	-	0						

## Owner/Operator

PLANT Dkt #

Quad Cities 2 265

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
2-1201-2	Reactor Water Cleanup (RWCU)	RWCU Inboard Isolation Valve	6	Close	H	Yes	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2016. Repair committed date = Q2R24 (2018)
2-1201-5	Reactor Water Cleanup (RWCU)	RWCU Outboard Isolation Valve	6	Close	M	Yes	No	Yes < or = 10 deg.	Not Repaired	Last diagnostic test = 2016. Repair committed date = Q2R24 (2018)

Total # of Valves	-	2	Total # High Risk Valves	-	1	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	1	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	2	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	2
Total # of Valves N/A	-	0						

Three Mile Island 289

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
DH-V-3	Decay Heat	Decay Heat Drop Line Containment Isolation Valve	12	Open	H	No	No	Yes < or = 5 deg.	Not Repaired	Last diagnostic test = 2017

Total # of Valves	-	1	Total # High Risk Valves	-	1	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	1	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

## Owner/Operator Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	96	Total # High Risk Valves	-	17	Total Thread Fric > 0.10	-	10
Total # of Valves Repaired	-	2	Total # Med Risk Valves	-	27	Total Thread Fric < or = 0.10	-	2
Total # of Valves Not Repaired	-	70	Total # Low Risk Valves	-	52	Total # Susceptible Valves	-	37
Total # of Valves N/A	-	24						

## FirstEnergy Nuclear Operating Co.

Beaver Valley 1 334

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
MOV-1RW-113A	River Water	Diesel Generator (DG) Heat Exchanger Inlet River Water (RW) Supply Header	4	Open	M	No	No	Yes < or = 10 deg.	Not Repaired	

## Owner/Operator

PLANT	Dkt #											
MOV-1RW-113B	River Water	Diesel Generator (DG) Heat Exchanger Inlet River Water (RW) Supply Header	4	Open	M	No	No	Yes < or = 10 deg.	Not Repaired			
MOV-1RW-113C	River Water	Diesel Generator (DG) Heat Exchanger Inlet River Water (RW) Supply Header	4	Open	M	No	No	Yes < or = 10 deg.	Not Repaired			
MOV-1RW-113D	River Water	Diesel Generator (DG) Heat Exchanger Inlet River Water (RW) Supply Header	4	Open	M	No	No	Yes < or = 10 deg.	Not Repaired			
MOV-1SI-863A	Safety Injection	Low Head Safety Injection (LHSI) to Charging Pumps Supply Valve	6	Open	M	No	No	Yes < or = 10 deg.	Not Repaired			
MOV-1SI-863B	Safety Injection	Low Head Safety Injection (LHSI) to Charging Pumps Supply Valve	6	Open	M	No	No	Yes < or = 10 deg.	Not Repaired			
MOV-1SI-890A	Safety Injection	Low Head Safety Injection (LHSI) to Reactor Coolant System (RCS) Hot Legs	8	Open	L	No	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	Valve size is 10 X 8 X 10		
MOV-1SI-890B	Safety Injection	Low Head Safety Injection (LHSI) to Reactor Coolant System (RCS) Hot Legs	8	Open	L	No	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	Valve size is 10 X 8 X 10		
MOV-1SI-890C	Safety Injection	Low Head Safety Injection (LHSI) to Reactor Coolant System (RCS) Cold Legs	8	Close	H	No	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	Valve size is 10 X 8 X 10		

Total # of Valves	-	9	Total # High Risk Valves	-	1	Total Thread Fric > 0.10	-	3
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	6	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	9	Total # Low Risk Valves	-	2	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Beaver Valley 2	412											
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status			Industry Comments

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

## Owner/Operator

PLANT Dkt #

Davis-Besse 1 346

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
----------	--------	------------------	------	------	------	------	-------------	-----------	---------------	-------------------

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Perry 1 440

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
----------	--------	------------------	------	------	------	------	-------------	-----------	---------------	-------------------

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

## Owner/Operator Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	9	Total # High Risk Valves	-	1	Total Thread Fric > 0.10	-	3
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	6	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	9	Total # Low Risk Valves	-	2	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

## Florida Power & Light Co.

Duane Arnold 331

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
----------	--------	------------------	------	------	------	------	-------------	-----------	---------------	-------------------

MO4627	Reactor Recirc	Reactor Recirc Pump 1P-201A Discharge Isolation Valve	22	Close	L	Yes	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	Perform diagnostic testing and stem rotation check with contingency repair committed date RFO26 (2018). Repair valve committed date RFO27 (2020)
--------	----------------	---	----	-------	---	-----	------------	--------------------	--------------	--



# Owner/Operator

PLANT	Dkt #										
MO4628	Reactor Recirc	Reactor Recirc Pump 1P-201B Discharge Isolation Valve	22	Close	L	Yes	Yes > 0.10	Yes < or = 10 deg.	Not Repaired	Perform diagnostic testing and stem rotation check with contingency repair committed dates RFO26 (2018) & RFO27 (2020). Repair valve committed date RFO28 (2022)	

Total # of Valves	-	2	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	2
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	2	Total # Low Risk Valves	-	2	Total # Susceptible Valves	-	2
Total # of Valves N/A	-	0						

Point Beach 1		266									Industry Comments
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status		
CC-00719	Component Cooling	Containment Cooling Water Cont Return Isolation Valve	6	Close	L	No	No	No	Not Repaired		
RH-0070	Residual Heat Removal (RHR)	RCS Low Head SI Pump Suction From RCS Isolation Valve	10	Close	M	No	Yes < or = 0.10	No	Not Repaired		
SI-00841A	Safety Injection	SI Accumulator to RCS Suction Isolation Valve	10	None	L	No	Yes < or = 0.10	No	Not Repaired		
SI-00841B	Safety Injection	SI Accumulator to RCS Suction Isolation Valve	10	None	L	No	Yes < or = 0.10	No	Not Repaired		
SI-00851A	Safety Injection	Sump A to Low Head SI Pump Suction Isolation Valve	10	Both	M	No	No	No	Not Repaired		
SI-00851B	Safety Injection	Sump A to Low Head SI Pump Suction Isolation Valve	10	Both	M	No	No	No	Not Repaired		
SI-00852A	Safety Injection	SI Core Deluge Isolation Valve	6	Both	L	No	No	No	Not Repaired		
SI-00852B	Safety Injection	SI Core Deluge Isolation Valve	6	Both	L	No	No	No	Not Repaired		
SI-00856A	Safety Injection	RWST to Low Head SI Pump Suction Isolation Valve	10	Close	M	No	No	No	Not Repaired		
SI-00856B	Safety Injection	RWST to Low Head SI Pump Suction Isolation Valve	10	Close	M	No	No	No	Not Repaired		

# Owner/Operator

PLANT	Dkt #									
SI-00860A	Safety Injection	Containment Spray Pump Discharge to Containment Isolation Valve	6	Both	L	No	No	No	No	Not Repaired
SI-00860B	Safety Injection	Containment Spray Pump Discharge to Containment Isolation Valve	6	Open	L	No	No	No	No	Not Repaired
SI-00860C	Safety Injection	Containment Spray Pump Discharge to Containment Isolation Valve	6	Both	L	No	No	No	No	Not Repaired
SI-00860D	Safety Injection	Containment Spray Pump Discharge to Containment Isolation Valve	6	Open	L	No	No	No	No	Not Repaired
SI-00866A	Safety Injection	High Head SI Pump to Containment Isolation Valve	4	Both	M	No	No	No	No	Not Repaired
SI-00866B	Safety Injection	High Head SI Pump to Containment Isolation Valve	4	Both	M	No	No	No	No	Not Repaired
SI-00871A	Safety Injection	Low Head SI to Containment Spray Pump Suction Isolation Valve	6	Both	M	No	No	No	No	Not Repaired
SI-00871B	Safety Injection	Low Head SI to Containment Spray Pump Suction Isolation Valve	6	Both	M	No	Yes < or = 0.10	No	No	Not Repaired

Total # of Valves	-	18	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	9	Total Thread Fric < or = 0.10	-	4
Total # of Valves Not Repaired	-	18	Total # Low Risk Valves	-	9	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
CC-00719	Component Cooling	Containment Cooling Water Cont Return Isolation Valve	6	Close	L	No	No	No	No	Not Repaired
RH-0070	Residual Heat Removal (RHR)	RCS Low Head SI Pump Suction From RCS Isolation Valve	10	Close	M	No	Yes < or = 0.10	No	No	Not Repaired
SI-00841A	Safety Injection	SI Accumulator to RCS Suction Isolation Valve	10	None	L	No	Yes < or = 0.10	No	No	Not Repaired
SI-00841B	Safety Injection	SI Accumulator to RCS Suction Isolation Valve	10	None	L	No	Yes < or = 0.10	No	No	Not Repaired

# Owner/Operator

PLANT	Dkt #									
SI-00851A	Safety Injection	Sump A to Low Head SI Pump Suction Isolation Valve	10	Both	M	No	No	No	No	Not Repaired
SI-00851B	Safety Injection	Sump A to Low Head SI Pump Suction Isolation Valve	10	Both	M	No	No	No	No	Not Repaired
SI-00852A	Safety Injection	SI Core Deluge Isolation Valve	6	Both	L	No	No	No	No	Not Repaired
SI-00852B	Safety Injection	SI Core Deluge Isolation Valve	6	Both	L	No	No	No	No	Not Repaired
SI-00856A	Safety Injection	RWST to Low Head SI Pump Suction Isolation Valve	10	Close	M	No	No	No	No	Not Repaired
SI-00856B	Safety Injection	RWST to Low Head SI Pump Suction Isolation Valve	10	Close	M	No	No	No	No	Not Repaired
SI-00860A	Safety Injection	Containment Spray Pump Discharge to Containment Isolation Valve	6	Both	L	No	No	No	No	Not Repaired
SI-00860B	Safety Injection	Containment Spray Pump Discharge to Containment Isolation Valve	6	Open	L	No	No	No	No	Not Repaired
SI-00860C	Safety Injection	Containment Spray Pump Discharge to Containment Isolation Valve	6	Both	L	No	No	No	No	Not Repaired
SI-00860D	Safety Injection	Containment Spray Pump Discharge to Containment Isolation Valve	6	Open	L	No	No	No	No	Not Repaired
SI-00866A	Safety Injection	High Head SI Pump to Containment Isolation Valve	4	Both	M	No	No	No	No	Not Repaired
SI-00866B	Safety Injection	High Head SI Pump to Containment Isolation Valve	4	Both	M	No	No	No	No	Not Repaired
SI-00871A	Safety Injection	Low Head SI to Containment Spray Pump Suction Isolation Valve	6	Both	M	No	Yes < or = 0.10	No	No	Not Repaired
SI-00871B	Safety Injection	Low Head SI to Containment Spray Pump Suction Isolation Valve	6	Both	M	No	No	No	No	Not Repaired

## Owner/Operator

PLANT		Dkt #											
Total # of Valves	-	18	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0					
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	9	Total Thread Fric < or = 0.10	-	4					
Total # of Valves Not Repaired	-	18	Total # Low Risk Valves	-	9	Total # Susceptible Valves	-	0					
Total # of Valves N/A	-	0											
Seabrook 1		443											
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments			

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0			
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0			
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0			
Total # of Valves N/A	-	0									
St. Lucie 1		335									
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments	

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0			
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0			
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0			
Total # of Valves N/A	-	0									
St. Lucie 2		389									
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments	

2-MV-08-12	Auxiliary Feedwater (AFW)	Steam Generator 2A Main Steam to AFW Pump 2C Flow Isolation Valve	4	Both	H	No	No	No	Not Repaired		
2-MV-08-13	Auxiliary Feedwater (AFW)	Steam Generator 2B Main Steam to AFW Pump 2C Flow Isolation Valve	4	Both	H	No	No	No	Not Repaired		

# Owner/Operator

PLANT Dkt #

Total # of Valves	-	2	Total # High Risk Valves	-	2	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	2	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Turkey Point 3 250

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
MOV-3-716B	Component Cooling Water (CCW)	Motor Operated Isoaltion Valve for CCW Supply to RCP Coolers	6	Close	L	No	No	No	Not Repaired	
MOV-3-730	Component Cooling Water (CCW)	Motor Operated Isoaltion Valve for CCW Return to RCP Coolers	6	Close	L	No	No	No	Not Repaired	
MOV-3-843A	Safety Injection (SI)	HHSI to Cold Leg MOV	4	Both	H	No	Yes < or = 0.10	No	Not Repaired	
MOV-3-843B	Safety Injection (SI)	HHSI to Cold Leg MOV	4	Both	H	No	Yes < or = 0.10	No	Not Repaired	
MOV-3-860A	Residual Heat Removal (RHR)	Recirc Pump to RHR Pump Suction Motor Operated Valve	14	Open	M	No	Yes < or = 0.10	No	Not Repaired	
MOV-3-860B	Residual Heat Removal (RHR)	Recirc Pump to RHR Pump Suction Motor Operated Valve	14	Open	M	No	No	No	Not Repaired	
MOV-3-861A	Residual Heat Removal (RHR)	Recirc Pump to RHR Pump Suction Motor Operated Valve	14	Open	M	No	No	No	Not Repaired	
MOV-3-861B	Residual Heat Removal (RHR)	Recirc Pump to RHR Pump Suction Motor Operated Valve	14	Open	M	No	Yes < or = 0.10	No	Not Repaired	
MOV-3-862A	Residual Heat Removal (RHR)	Motor Operated Stop Valve on RHR Pumps Suction Header	14	Close	M	No	Yes < or = 0.10	No	Not Repaired	
MOV-3-862B	Residual Heat Removal (RHR)	Motor Operated Stop Valve on RHR Pumps Suction Header	14	Close	M	No	Yes < or = 0.10	No	Not Repaired	
MOV-3-864A	Safety Injection (SI)	RWST Motor Operated Isolation Valve to SI & RHR Pumps	16	Close	M	No	No	No	Not Repaired	
MOV-3-864B	Safety Injection (SI)	RWST Motor Operated Isolation Valve to SI & RHR Pumps	16	Close	M	No	No	No	Not Repaired	

# Owner/Operator

PLANT	Dkt #										
MOV-3-865A	Safety Injection (SI)	SI Accumulator A Discharge Motor Operated Valve	10	None	L	No	Yes < or = 0.10	No	Not Repaired		
MOV-3-865B	Safety Injection (SI)	SI Accumulator B Discharge Motor Operated Valve	10	None	L	No	Yes < or = 0.10	No	Not Repaired		
MOV-3-865C	Safety Injection (SI)	SI Accumulator C Discharge Motor Operated Valve	10	None	L	No	Yes < or = 0.10	No	Not Repaired		
MOV-3-869	Safety Injection (SI)	SI to Loop A & B Hot Leg Motor Operated Isolation Valve	3	Both	L	No	Yes < or = 0.10	No	Not Repaired		
MOV-3-880A	Containment Spray	Containment Spray Pump Discharge Isolation Valve	6	Open	M	No	Yes < or = 0.10	No	Not Repaired		
MOV-3-880B	Containment Spray	Containment Spray Pump Discharge Isolation Valve	6	Open	M	No	Yes < or = 0.10	No	Not Repaired		
MOV-878A	Safety Injection (SI)	HHSI Header Sectionalizing Motor Operated Valve	4	Close	L	No	Yes < or = 0.10	No	Not Repaired	Licensee reported this valve to be associated with Unit 0	
MOV-878B	Safety Injection (SI)	HHSI Header Sectionalizing Motor Operated Valve	4	Close	L	No	Yes < or = 0.10	No	Not Repaired	Licensee reported this valve to be associated with Unit 0	

Total # of Valves	-	20	Total # High Risk Valves	-	2	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	10	Total Thread Fric < or = 0.10	-	14
Total # of Valves Not Repaired	-	20	Total # Low Risk Valves	-	8	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Turkey Point 4		251									
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments	
MOV-4-716B	Component Cooling Water (CCW)	Motor Operated Isoaltion Valve for CCW Supply to RCP Coolers	6	Close	L	No	No	No	Not Repaired		
MOV-4-730	Component Cooling Water (CCW)	Motor Operated Isoaltion Valve for CCW Return to RCP Coolers	6	Close	L	No	No	No	Not Repaired		
MOV-4-843A	Safety Injection (SI)	HHSI to Cold Leg MOV	4	Both	H	No	Yes < or = 0.10	Yes	Not Repaired		
MOV-4-843B	Safety Injection (SI)	HHSI to Cold Leg MOV	4	Both	H	No	Yes < or = 0.10	Yes	Not Repaired		

# Owner/Operator

PLANT	Dkt #									
MOV-4-860A	Residual Heat Removal (RHR)	Recirc Pump to RHR Pump Suction Motor Operated Valve	14	Open	M	No	No	No	No	Not Repaired
MOV-4-860B	Residual Heat Removal (RHR)	Recirc Pump to RHR Pump Suction Motor Operated Valve	14	Open	M	No	Yes < or = 0.10	No	No	Not Repaired
MOV-4-861A	Residual Heat Removal (RHR)	Recirc Pump to RHR Pump Suction Motor Operated Valve	14	Open	M	No	No	No	No	Not Repaired
MOV-4-861B	Residual Heat Removal (RHR)	Recirc Pump to RHR Pump Suction Motor Operated Valve	14	Open	M	No	No	No	No	Not Repaired
MOV-4-862A	Residual Heat Removal (RHR)	Motor Operated Stop Valve on RHR Pumps Suction Header	14	Close	M	No	Yes < or = 0.10	No	No	Not Repaired
MOV-4-862B	Residual Heat Removal (RHR)	Motor Operated Stop Valve on RHR Pumps Suction Header	14	Close	M	No	Yes < or = 0.10	No	No	Not Repaired
MOV-4-864A	Safety Injection (SI)	RWST Motor Operated Isolation Valve to SI & RHR Pumps	16	Close	M	No	No	No	No	Not Repaired
MOV-4-864B	Safety Injection (SI)	RWST Motor Operated Isolation Valve to SI & RHR Pumps	16	Close	M	No	No	No	No	Not Repaired
MOV-4-865A	Safety Injection (SI)	SI Accumulator A Discharge Motor Operated Valve	10	None	L	No	No	No	No	Not Repaired
MOV-4-865B	Safety Injection (SI)	SI Accumulator B Discharge Motor Operated Valve	10	None	L	No	Yes < or = 0.10	No	No	Not Repaired
MOV-4-865C	Safety Injection (SI)	SI Accumulator C Discharge Motor Operated Valve	10	None	L	No	Yes < or = 0.10	No	No	Not Repaired
MOV-4-869	Safety Injection (SI)	SI to Loop A & B Hot Leg Motor Operated Isolation Valve	3	Both	L	No	Yes < or = 0.10	No	No	Not Repaired
MOV-4-880A	Containment Spray	Containment Spray Pump Discharge Isolation Valve	6	Open	M	No	Yes < or = 0.10	Yes	Yes	Not Repaired
MOV-4-880B	Containment Spray	Containment Spray Pump Discharge Isolation Valve	6	Open	M	No	No	No	No	Not Repaired

## Owner/Operator

PLANT Dkt #

Total # of Valves	-	18	Total # High Risk Valves	-	2	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	10	Total Thread Fric < or = 0.10	-	9
Total # of Valves Not Repaired	-	18	Total # Low Risk Valves	-	6	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

## Owner/Operator Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	78	Total # High Risk Valves	-	6	Total Thread Fric > 0.10	-	2
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	38	Total Thread Fric < or = 0.10	-	31
Total # of Valves Not Repaired	-	78	Total # Low Risk Valves	-	34	Total # Susceptible Valves	-	2
Total # of Valves N/A	-	0						

Indiana/Michigan Power Co.

Cook 1 315

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
ICM-250	Emergency Core Cooling System (ECCS)	Boron Injection Tank Train "A" Outlet Containment Isolation Valve	4	Open	H	No	No	No	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.
ICM-251	Emergency Core Cooling System (ECCS)	Boron Injection Tank Train "B" Outlet Containment Isolation Valve	4	Open	H	No	No	No	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.
ICM-260	Emergency Core Cooling System (ECCS)	North Safety Injection Pump PP-26N Discharge Containment Isolation Valve	4	Close	M	No	No	No	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.
ICM-265	Emergency Core Cooling System (ECCS)	South Safety Injection Pump PP-265 Discharge Containment Isolation Valve	4	Close	M	No	No	Yes < or = 10 deg.	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.
ICM-305	Emergency Core Cooling System (ECCS)	Recirculation Sump To East RHR/CTS Pumps Suction Containment Isolation Valve	18	Open	H	No	Yes < or = 0.10	No	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.
ICM-306	Emergency Core Cooling System (ECCS)	Recirculation Sump To West RHR/CTS Pumps Suction Containment Isolation Valve	18	Open	H	No	Yes < or = 0.10	Yes < or = 5 deg.	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.



# Owner/Operator

Owner/Operator										
PLANT	Dkt #									
IMO-255	Emergency Core Cooling System (ECCS)	Boron Injection Tank Train "A" Inlet Shutoff Valve	4	Open	H	No	No	No	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.
IMO-256	Emergency Core Cooling System (ECCS)	Boron Injection Tank Train "B" Inlet Shutoff Valve	4	Open	H	No	No	No	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.
IMO-310	Residual Heat Removal (RHR)	East RHR Pump PP-35E Suction Shutoff Valve	14	Close	H	No	No	No	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.
IMO-314	Residual Heat Removal (RHR)	East RHR Heat Exchanger 1-HE-17E Discharge Crosstie Shutoff Valve	6	Close	L	No	No	Yes < or = 10 deg.	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.
IMO-320	Residual Heat Removal (RHR)	West RHR Pump PP-35W Suction Shutoff Valve	14	Close	H	No	No	Yes < or = 5 deg.	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.
IMO-324	Residual Heat Removal (RHR)	West RHR Heat Exchanger 1-HE-17W Discharge Crosstie Shutoff Valve	6	Close	L	No	No	No	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.
IMO-340	Residual Heat Removal (RHR)	East RHR Heat Exchanger to Charging Pumps Suction Shutoff Valve	8	Open	H	No	Yes < or = 0.10	No	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.
IMO-350	Residual Heat Removal (RHR)	West RHR Heat Exchanger Outlet to Safety Injection Pump Suction Shutoff Valve	8	Open	H	No	Yes < or = 0.10	Yes < or = 5 deg.	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.
IMO-390	Emergency Core Cooling System (ECCS)	Refueling Water Storage Tank TK-33 to Residual Heat Removal Pumps Suction Shutoff Valve	10	Close	H	No	No	Yes < or = 5 deg.	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.
<div> <div>Total # of Valves</div> <div>- 15</div> </div> <div> <div>Total # High Risk Valves</div> <div>- 11</div> </div> <div> <div>Total Thread Fric &gt; 0.10</div> <div>- 0</div> </div>										
<div> <div>Total # of Valves Repaired</div> <div>- 0</div> </div> <div> <div>Total # Med Risk Valves</div> <div>- 2</div> </div> <div> <div>Total Thread Fric &lt; or = 0.10</div> <div>- 4</div> </div>										
<div> <div>Total # of Valves Not Repaired</div> <div>- 15</div> </div> <div> <div>Total # Low Risk Valves</div> <div>- 2</div> </div> <div> <div>Total # Susceptible Valves</div> <div>- 0</div> </div>										
<div> <div>Total # of Valves N/A</div> <div>- 0</div> </div>										
<div> <div>Cook 2</div> <div>316</div> </div>										
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments

# Owner/Operator

PLANT	Dkt #										
ICM-250	Emergency Core Cooling System (ECCS)	Boron Injection Tank Train "A" Outlet Containment Isolation Valve	4	Open	H	No	No	Yes < or = 5 deg.	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.	
ICM-251	Emergency Core Cooling System (ECCS)	Boron Injection Tank Train "B" Outlet Containment Isolation Valve	4	Open	H	No	No	No	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.	
ICM-305	Emergency Core Cooling System (ECCS)	Recirculation Sump To East RHR/CTS Pumps Suction Containment Isolation Valve	18	Open	H	No	Yes < or = 0.10	No	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.	
ICM-306	Emergency Core Cooling System (ECCS)	Recirculation Sump To West RHR/CTS Pumps Suction Containment Isolation Valve	18	Open	H	No	Yes < or = 0.10	No	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.	
IMO-255	Emergency Core Cooling System (ECCS)	Boron Injection Tank Train "A" Inlet Shutoff Valve	4	Open	H	No	No	No	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.	
IMO-256	Emergency Core Cooling System (ECCS)	Boron Injection Tank Train "B" Inlet Shutoff Valve	4	Open	H	No	No	No	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.	
IMO-310	Residual Heat Removal (RHR)	East RHR Pump PP-35E Suction Shutoff Valve	14	Close	H	No	No	No	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.	
IMO-314	Residual Heat Removal (RHR)	East RHR Heat Exchanger 2-HE-17E Discharge Crosstie Shutoff Valve	6	Close	L	No	No	No	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.	
IMO-320	Residual Heat Removal (RHR)	West RHR Pump PP-35W Suction Shutoff Valve	14	Close	H	No	No	No	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.	
IMO-324	Residual Heat Removal (RHR)	West RHR Heat Exchanger 2-HE-17W Discharge Crosstie Shutoff Valve	6	Close	L	No	No	No	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.	
IMO-340	Residual Heat Removal (RHR)	East RHR Heat Exchanger to Charging Pumps Suction Shutoff Valve	8	Open	H	No	Yes < or = 0.10	No	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.	

## Owner/Operator

PLANT	Dkt #										
IMO-350	Residual Heat Removal (RHR)	West RHR Heat Exchanger Outlet to Safety Injection Pump Suction Shutoff Valve	8	Open	H	No	Yes < or = 0.10	Yes < or = 10 deg.	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.	
IMO-390	Emergency Core Cooling System (ECCS)	Refueling Water Storage Tank TK-33 to Residual Heat Removal Pumps Suction Shutoff Valve	10	Close	H	No	No	No	Not Repaired	Since no valves were determined to be susceptible, no repair schedule has been provided. Applied wedge pin torque bounds anticipated design basis operating torque requirements and current maximum total torque.	
Total # of Valves	-	13	Total # High Risk Valves	-	11	Total Thread Fric > 0.10		-	0		
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10		-	4		
Total # of Valves Not Repaired	-	13	Total # Low Risk Valves	-	2	Total # Susceptible Valves		-	0		
Total # of Valves N/A	-	0									

## Owner/Operator Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	28	Total # High Risk Valves	-	22	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	2	Total Thread Fric < or = 0.10	-	8
Total # of Valves Not Repaired	-	28	Total # Low Risk Valves	-	4	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

## Nebraska Public Power District

Cooper		298											
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments			
RR-MOV-MO53A	Reactor Recirculation	Reactor Recirc Pump A Discharge Isolation	28	Close	L	Yes	Yes > 0.10	Yes < or = 20 deg.	Not Repaired				
RR-MOV-MO53B	Reactor Recirculation	Reactor Recirc Pump B Discharge Isolation	28	Close	L	Yes	Yes > 0.10	Yes < or = 20 deg.	Not Repaired				
Total # of Valves		-	2	Total # High Risk Valves		-	0	Total Thread Fric > 0.10		-	2		
Total # of Valves Repaired		-	0	Total # Med Risk Valves		-	0	Total Thread Fric < or = 0.10		-	0		
Total # of Valves Not Repaired		-	2	Total # Low Risk Valves		-	2	Total # Susceptible Valves		-	2		
Total # of Valves N/A		-	0										

# Owner/Operator

PLANT

Dkt #

## Owner/Operator Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	2	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	2
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	2	Total # Low Risk Valves	-	2	Total # Susceptible Valves	-	2
Total # of Valves N/A	-	0						

Pacific Gas & Electric Co.

Diablo Canyon 1 275

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
CS-1-9003A	Containment Spray	Residual Heat Removal Pump Discharge to Containment Spray Header	8	Both	M	No	Yes > 0.10	No	Not Repaired	
CS-1-9003B	Containment Spray	Residual Heat Removal Pump Discharge to Containment Spray Header	8	Both	M	No	Yes > 0.10	No	Not Repaired	
MS-1-FCV-95	Main Steam	Main Steam Supply to Turbine Driven Auxiliary Feedwater Pump	4	Open	H	No	Yes > 0.10	No	Repaired	
RHR-1-8700A	Residual Heat Removal (RHR)	RHR Pump Suction Isolation	14	Both	M	No	Yes > 0.10	No	Not Repaired	
RHR-1-8700B	Residual Heat Removal (RHR)	RHR Pump Suction Isolation	14	Both	M	No	Yes > 0.10	No	Not Repaired	
SI-1-8801A	Safety Injection	Charging Discharge Isolation Valve	4	Open	H	No	Yes > 0.10	No	Not Repaired	
SI-1-8801B	Safety Injection	Charging Discharge Isolation Valve	4	Open	H	No	Yes > 0.10	No	Not Repaired	
SI-1-8802A	Safety Injection	Safety Injection to Hot Leg Isolation Valve	4	Both	L	No	Yes > 0.10	No	Not Repaired	
SI-1-8802B	Safety Injection	Safety Injection to Hot Leg Isolation Valve	4	Both	L	No	Yes > 0.10	No	Not Repaired	
SI-1-8803A	Safety Injection	Charging Discharge Isolation Valve	4	Open	H	No	Yes > 0.10	No	Not Repaired	

# Owner/Operator

PLANT	Dkt #										
SI-1-8803B	Safety Injection	Charging Discharge Isolation Valve	4	Open	H	No	Yes > 0.10	No	Not Repaired		
SI-1-8804A	Safety Injection	Residual Heat Removal Pump Discharge to Charging Pump Suction	8	Both	M	No	Yes > 0.10	No	Repaired		
SI-1-8804B	Safety Injection	Residual Heat Removal Pump Discharge to Charging Pump Suction	8	Both	M	No	Yes > 0.10	No	Not Repaired		
SI-1-8835	Safety Injection	Safety Injection Pump Discharge to Cold Legs Isolation Valve	4	Open	L	No	Yes > 0.10	No	Not Repaired		
SI-1-8982A	Safety Injection	Containment Recirculation Sump to RHR Pump Suction	14	Both	H	No	Yes > 0.10	No	Not Repaired		
SI-1-8982B	Safety Injection	Containment Recirculation Sump to RHR Pump Suction	14	Both	H	No	Yes > 0.10	No	Repaired		

Total # of Valves	-	16	Total # High Risk Valves	-	7	Total Thread Fric > 0.10	-	16
Total # of Valves Repaired	-	3	Total # Med Risk Valves	-	6	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	13	Total # Low Risk Valves	-	3	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Diablo Canyon 2		323									Industry Comments	
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status			
CS-2-9003A	Containment Spray	Residual Heat Removal Pump Discharge to Containment Spray Header	8	Both	M	No	Yes > 0.10	No	Not Repaired			
CS-2-9003B	Containment Spray	Residual Heat Removal Pump Discharge to Containment Spray Header	8	Both	M	No	Yes > 0.10	No	Not Repaired			
RHR-2-8700A	Residual Heat Removal (RHR)	RHR Pump Suction Isolation	14	Both	M	No	Yes > 0.10	No	Not Repaired			
RHR-2-8700B	Residual Heat Removal (RHR)	RHR Pump Suction Isolation	14	Both	M	No	Yes > 0.10	No	Not Repaired			
SI-2-8802A	Safety Injection	Safety Injection to Hot Leg Isolation Valve	4	Both	L	No	Yes > 0.10	No	Not Repaired			
SI-2-8802B	Safety Injection	Safety Injection to Hot Leg Isolation Valve	4	Both	L	No	Yes > 0.10	No	Not Repaired			

## Owner/Operator

PLANT	Dkt #									
SI-2-8804A	Safety Injection	Residual Heat Removal Pump Discharge to Charging Pump Suction	8	Both	M	No	Yes > 0.10	No	Not Repaired	
SI-2-8804B	Safety Injection	Residual Heat Removal Pump Discharge to Charging Pump Suction	8	Both	M	No	Yes > 0.10	No	Not Repaired	
SI-2-8835	Safety Injection	Safety Injection Pump Discharge to Cold Legs Isolation Valve	4	Open	L	No	Yes > 0.10	No	Not Repaired	
SI-2-8982A	Safety Injection	Containment Recirculation Sump to RHR Pump Suction	14	Both	H	No	Yes > 0.10	No	Not Repaired	
SI-2-8982B	Safety Injection	Containment Recirculation Sump to RHR Pump Suction	14	Both	H	No	Yes > 0.10	No	Not Repaired	
VAC-2-FCV-658	Containment Ventilation	Hydrogen Purge / Recombiner Isolation Valve	4	Both	L	No	Yes > 0.10	No	Not Repaired	
VAC-2-FCV-659	Containment Ventilation	Hydrogen Purge / Recombiner Isolation Valve	4	Both	L	No	Yes > 0.10	No	Not Repaired	
VAC-2-FCV-668	Containment Ventilation	Hydrogen Purge / Recombiner Isolation Valve	4	Both	L	No	Yes > 0.10	No	Not Repaired	
VAC-2-FCV-669	Containment Ventilation	Hydrogen Purge / Recombiner Isolation Valve	4	Both	L	No	Yes > 0.10	No	Not Repaired	

Total # of Valves	-	15	Total # High Risk Valves	-	2	Total Thread Fric > 0.10	-	15
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	6	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	15	Total # Low Risk Valves	-	7	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

## Owner/Operator Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	31	Total # High Risk Valves	-	9	Total Thread Fric > 0.10	-	31
Total # of Valves Repaired	-	3	Total # Med Risk Valves	-	12	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	28	Total # Low Risk Valves	-	10	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

PSE&G Nuclear

# Owner/Operator

PLANT Dkt #

Hope Creek 354

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
----------	--------	------------------	------	------	------	------	-------------	-----------	---------------	-------------------

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Salem 1 272

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
----------	--------	------------------	------	------	------	------	-------------	-----------	---------------	-------------------

S1CC-1CC117-MTRY	Component Cooling (CC)	RCP CC Inlet MOV	6	Close	L	No	No	Yes < or = 5 deg.	Not Repaired	Pin shear only
S1CC-1CC118-MTRY	Component Cooling (CC)	RCP CC Inlet MOV	6	Close	L	No	No	Yes < or = 5 deg.	Not Repaired	Pin shear only
S1CC-1CC136-MTRY	Component Cooling (CC)	RCP BRG MOV	6	Close	L	No	No	Yes < or = 5 deg.	Not Repaired	Pin shear only
S1CC-1CC187-MTRY	Component Cooling (CC)	RCP MOT BRG CC MOV	6	Close	L	No	No	Yes < or = 5 deg.	Not Repaired	Pin shear only
S1CS-11CS36-MTRY	Containment Spray	RHR CS Stop Valve	8	Both	L	No	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	1R26 or 1R27
S1CS-12CS36-MTRY	Containment Spray	RHR CS Stop Valve	8	Both	L	No	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	1R26 or 1R27
S1RHR-11RH19-MT RV	Residual Heat Removal (RHR)	HRH Heat Exchanger Discharge Cross Connect MOV	8	Close	L	No	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	1R26 or 1R27
S1RHR-11RH4-MTR v	Residual Heat Removal (RHR)	RHR Pump Suction MOV	14	Close	M	No	No	Yes < or = 5 deg.	Not Repaired	Pin shear only
S1RHR-12RH19-MT RV	Residual Heat Removal (RHR)	HRH Heat Exchanger Discharge Cross Connect MOV	8	Close	L	No	Yes > 0.10	Yes < or = 5 deg.	Repaired	

# Owner/Operator

PLANT	Dkt #											
S1RHR-12RH4-MTR V	Residual Heat Removal (RHR)	RHR Pump Suction MOV	14	Close	M	No	No	Yes < or = 5 deg.	Not Repaired	Pin shear only		
S1SJ-11SJ40-MTRY	Safety Injection	SI Header Stop Valve	4	Both	L	No	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	Due for diagnostic testing in 1R26		
S1SJ-11SJ44-MTRY	Safety Injection	Containment Sump Suction Valve	14	Both	M	No	Yes > 0.10	Yes < or = 5 deg.	Repaired			
S1SJ-11SJ45-MTRY	Safety Injection	RHR to SI Pumps Stop MOV	8	Open	M	No	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	Medium risk must be repaired in 1R26		
S1SJ-12SJ40-MTRY	Safety Injection	SI Header Stop Valve	4	Both	L	No	Yes > 0.10	Yes < or = 5 deg.	Repaired			
S1SJ-12SJ44-MTRY	Safety Injection	Containment Sump Suction Valve	14	Both	M	No	Yes > 0.10	Yes < or = 5 deg.	Repaired			
S1SJ-12SJ45-MTRY	Safety Injection	RHR to Charging SI Pumps Stop MOV	8	Open	M	No	Yes > 0.10	Yes < or = 5 deg.	Repaired			
S1SJ-1SJ12-MTRY	Safety Injection	BIT Outlet Valve	4	Both	L	No	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	1R26 or 1R27		
S1SJ-1SJ135-MTRY	Safety Injection	SJ Discharge to Cold Legs Valve	4	Close	L	No	No	Yes < or = 5 deg.	Not Repaired	Pin shear only		
S1SJ-1SJ13-MTRY	Safety Injection	BIT Outlet Valve	4	Both	L	No	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	1R26 or 1R27		
S1SJ-1SJ14-MTRY	Safety Injection	BIT Inlet Valve	4	Both	L	No	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	1R26 or 1R27		
S1SJ-1SJ15-MTRY	Safety Injection	BIT Inlet Valve	4	Both	L	No	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	1R26 or 1R27		
Total # of Valves - 21												
Total # High Risk Valves - 0												
Total Thread Fric > 0.10 - 14												
Total # of Valves Repaired - 5												
Total # Med Risk Valves - 6												
Total Thread Fric < or = 0.10 - 0												
Total # of Valves Not Repaired - 16												
Total # Low Risk Valves - 15												
Total # Susceptible Valves - 0												
Total # of Valves N/A - 0												
Salem 2311												
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments		



## Owner/Operator

PLANT	Dkt #										
S2CC-2CC117-MTRY	Component Cooling (CC)	RCP CC Inlet MOV	6	Close	L	No	No	Yes < or = 5 deg.	Not Repaired	Pin shear only	
S2CC-2CC118-MTRY	Component Cooling (CC)	RCP CC Inlet MOV	6	Close	L	No	No	Yes < or = 5 deg.	Not Repaired	Pin shear only	
S2CC-2CC136-MTRY	Component Cooling (CC)	RCP BRG MOV	6	Close	L	No	No	Yes < or = 5 deg.	Not Repaired	Pin shear only	
S2CC-2CC187-MTRY	Component Cooling (CC)	RCP MOT BRG CC MOV	6	Close	L	No	No	Yes < or = 5 deg.	Not Repaired	Pin shear only	
S2RHR-21RH4-MTR v	Residual Heat Removal (RHR)	RHR Pump Suction MOV	14	Close	M	No	No	Yes < or = 5 deg.	Not Repaired	Pin shear only. Internal inspection performed April, 2017. No issue identified during internal inspection.	
S2RHR-22RH4-MTR v	Residual Heat Removal (RHR)	RHR Pump Suction MOV	14	Close	M	No	No	Yes < or = 5 deg.	Not Repaired	Pin shear only	
S2SJ-21SJ40-MTRY	Safety Injection	SI Header Stop Valve	4	Both	L	No	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	Repair scoped into 2R23	
S2SJ-21SJ44-MTRY	Safety Injection	Containment Sump Suction Valve	14	Both	M	No	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	Repair scoped into 2R23	
S2SJ-22SJ40-MTRY	Safety Injection	SI Header Stop Valve	4	Both	L	No	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	Repair scoped into 2R23	
S2SJ-22SJ44-MTRY	Safety Injection	Containment Sump Suction Valve	14	Both	M	No	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	Repair scoped into 2R23	
S2SJ-2SJ135-MTRY	Safety Injection	SJ Discharge to Cold Legs Valve	4	Close	L	No	No	Yes < or = 5 deg.	Not Repaired	Pin shear only	

Total # of Valves	-	11	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	4
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	4	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	11	Total # Low Risk Valves	-	7	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

## Owner/Operator Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	32	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	18
Total # of Valves Repaired	-	5	Total # Med Risk Valves	-	10	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	27	Total # Low Risk Valves	-	22	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

## Owner/Operator

PLANT

Dkt #

South Carolina Electric & Gas Co.

V.C. Summer

395

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
XVG03004A-SP	Reactor Building Spray	RB Spray Sump Isolation Valve A (IRC)	12	Both	L	Yes	No	Yes any movement	Repaired	Repaired 2014 WO 1308677
XVG03004B-SP	Reactor Building Spray	RB Spray Sump Isolation Valve B (IRC)	12	Both	L	Yes	No	Yes any movement	Repaired	Repaired 2014 WO 1308682

Total # of Valves	-	2	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	2	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	2	Total # Susceptible Valves	-	2
Total # of Valves N/A	-	0						

### Owner/Operator Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	2	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	2	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	2	Total # Susceptible Valves	-	2
Total # of Valves N/A	-	0						

Southern Nuclear Operating Co.

Farley 1

348

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
----------	--------	------------------	------	------	------	------	-------------	-----------	---------------	-------------------

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Farley 2

364

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
----------	--------	------------------	------	------	------	------	-------------	-----------	---------------	-------------------

Owner/Operator

PLANT	Dkt #	
		Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Hatch 1	321											
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments		

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Hatch 2	366											
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments		

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Vogle 1	424											
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments		

Licensee does not use Anchor/Darling Double Disc Gate Valves

## Owner/Operator

PLANT		Dkt #											
Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10		-	0				
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10		-	0				
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves		-	0				
Total # of Valves N/A	-	0											
Vogtle 2		425											
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments			

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

## Owner/Operator Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

## STP Nuclear Operating Co.

South Texas 1	498										
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments	

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

South Texas 2	499										
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments	

## Owner/Operator

PLANT

Dkt #

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

## Owner/Operator Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

## Talen Energy

Susquehanna 1 387

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
----------	--------	------------------	------	------	------	------	-------------	-----------	---------------	-------------------

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Susquehanna 2 388

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
----------	--------	------------------	------	------	------	------	-------------	-----------	---------------	-------------------

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

# Owner/Operator

PLANT

Dkt #

## Owner/Operator Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

## Tennessee Valley Authority

Browns Ferry 1

259

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
1-FCV-001-0055	Main Steam	Main Steam Drain Inboard Isolation Valve	3	Close	L	No	No	No	N/A	Valve is not applicable to Part 21 due to T-Head Design.
1-FCV-001-0056	Main Steam	Main Steam Drain Outboard Isolation Valve	3	Close	L	No	No	No	N/A	Valve is not applicable to Part 21 due to T-Head Design.
1-FCV-068-0003	Reactor Recirculation	Reactor Recirc Pump A Discharge Valve	24	Close	L	Yes	No	Yes < or = 5 deg.	Not Repaired	By April 30, 2018 TVA will complete its review based on TP16-1-112r4 of BFN Anchor Darling Double Disc Gate Valves with active safety functions to determine which valves require repair. Update 1/11/2018 - Valve will be repaired no later than the Fall 2022 refueling outage. ADAMS ML18016A032
1-FCV-068-0079	Reactor Recirculation	Reactor Recirc Pump B Discharge Valve	24	Close	L	Yes	No	Yes < or = 5 deg.	Not Repaired	By April 30, 2018 TVA will complete its review based on TP16-1-112r4 of BFN Anchor Darling Double Disc Gate Valves with active safety functions to determine which valves require repair. Update 1/11/2018 - Valve will be repaired no later than the Fall 2022 refueling outage. ADAMS ML18016A032
1-FCV-069-0001	Reactor Water Cleanup (RWCU)	RWCU Inboard Containment Isolation Valve	6	Close	M	Yes	No	No	Repaired	
1-FCV-069-0002	Reactor Water Cleanup (RWCU)	RWCU Outboard Containment Isolation Valve	6	Close	M	Yes	Yes > 0.10	No	Repaired	
1-FCV-071-0002	Reactor Core Isolation Coolant (RCIC)	RCIC Steam Supply Inboard Containment Isolation Valve	3	Close	M	No	No	No	N/A	Valve is not applicable to Part 21 due to T-Head Design.
1-FCV-071-0003	Reactor Core Isolation Coolant (RCIC)	RCIC Steam Supply Outboard Containment Isolation Valve	3	Close	M	No	No	No	N/A	Valve is not applicable to Part 21 due to T-Head Design.
1-FCV-073-0002	High Pressure Coolant Injection (HPCI)	HPCI Inboard Containment Isolation Valve	10	Close	M	Yes	Yes > 0.10	No	Repaired	

# Owner/Operator

PLANT	Dkt #										
1-FCV-073-0003	High Pressure Coolant Injection (HPCI)	HPCI Outboard Containment Isolation Valve	10	Close	M	Yes	Yes > 0.10	No	Repaired		
1-FCV-073-0081	High Pressure Coolant Injection (HPCI)	HPCI Outboard Containment Isolation Bypass Valve	1	Close	L	No	No	No	N/A	Valve is not applicable to Part 21 due to T-Head Design.	
1-FCV-075-0009	Core Spray	Caore Spray System I Minimum Flow Valve	3	Both	L	Yes	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	By April 30, 2018 TVA will complete its review based on TP16-1-112r4 of BFN Anchor Darling Double Disc Gate Valves with active safety functions to determine which valves require repair. Update 1/11/2018 - Valve will be repaired no later than the Fall 2022 refueling outage. ADAMS ML18016A032	
1-FCV-075-0037	Core Spray	Caore Spray System II Minimum Flow Valve	3	Both	L	Yes	Yes > 0.10	Yes < or = 5 deg.	Not Repaired	By April 30, 2018 TVA will complete its review based on TP16-1-112r4 of BFN Anchor Darling Double Disc Gate Valves with active safety functions to determine which valves require repair. Update 1/11/2018 - Valve will be repaired no later than the Fall 2022 refueling outage. ADAMS ML18016A032	
<div> <div>Total # of Valves - 13</div> <div>Total # High Risk Valves - 0</div> <div>Total Thread Fric &gt; 0.10 - 5</div> </div> <div> <div>Total # of Valves Repaired - 4</div> <div>Total # Med Risk Valves - 6</div> <div>Total Thread Fric &lt; or = 0.10 - 0</div> </div> <div> <div>Total # of Valves Not Repaired - 4</div> <div>Total # Low Risk Valves - 7</div> <div>Total # Susceptible Valves - 8</div> </div> <div> <div>Total # of Valves N/A - 5</div> </div>											
<div> <div>Browns Ferry 2</div> <div>260</div> </div>											
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments	
2-FCV-001-0055	Main Steam	Main Steam Drain Inboard Isolation Valve	3	Close	L	No	No	No	N/A	Valve is not applicable to Part 21 due to T-Head Design.	
2-FCV-001-0056	Main Steam	Main Steam Drain Outboard Isolation Valve	3	Close	L	No	No	No	N/A	Valve is not applicable to Part 21 due to T-Head Design.	
2-FCV-068-0003	Reactor Recirculation	Reactor Recirc Pump A Discharge Valve	24	Close	L	Yes	No	Yes < or = 5 deg.	Not Repaired	By April 30, 2018 TVA will complete its review based on TP16-1-112r4 of BFN Anchor Darling Double Disc Gate Valves with active safety functions to determine which valves require repair. Update 1/11/2018 - Valve will be repaired no later than the Spring 2021 refueling outage. ADAMS ML18016A032	
2-FCV-068-0079	Reactor Recirculation	Reactor Recirc Pump B Discharge Valve	24	Close	L	Yes	No	Yes < or = 5 deg.	Not Repaired	By April 30, 2018 TVA will complete its review based on TP16-1-112r4 of BFN Anchor Darling Double Disc Gate Valves with active safety functions to determine which valves require repair. Update 1/11/2018 - Valve will be repaired no later than the Spring 2021 refueling outage. ADAMS ML18016A032	
2-FCV-069-0001	Reactor Water Cleanup (RWCU)	RWCU Inboard Containment Isolation Valve	6	Close	M	Yes	No	No	Repaired		

## Owner/Operator

PLANT		Dkt #											
2-FCV-069-0002	Reactor Water Cleanup (RWCU)	RWCU Outboard Containment Isolation Valve	6	Close	M	Yes	Yes > 0.10	No	Repaired				
2-FCV-071-0002	Reactor Core Isolation Coolant (RCIC)	RCIC Steam Supply Inboard Containment Isolation Valve	3	Close	M	No	No	No	N/A	Valve is not applicable to Part 21 due to T-Head Design.			
2-FCV-071-0003	Reactor Core Isolation Coolant (RCIC)	RCIC Steam Supply Outboard Containment Isolation Valve	3	Close	M	No	No	No	N/A	Valve is not applicable to Part 21 due to T-Head Design.			
2-FCV-073-0002	High Pressure Coolant Injection (HPCI)	HPCI Inboard Containment Isolation Valve	10	Close	M	Yes	Yes > 0.10	No	Repaired				
2-FCV-073-0003	High Pressure Coolant Injection (HPCI)	HPCI Outboard Containment Isolation Valve	10	Close	M	Yes	Yes > 0.10	No	Repaired				
2-FCV-073-0081	High Pressure Coolant Injection (HPCI)	HPCI Outboard Containment Isolation Bypass Valve	1	Close	L	No	No	No	N/A	Valve is not applicable to Part 21 due to T-Head Design.			
Total # of Valves		-	11	Total # High Risk Valves		-	0	Total Thread Fric > 0.10		-	3		
Total # of Valves Repaired		-	4	Total # Med Risk Valves		-	6	Total Thread Fric < or = 0.10		-	0		
Total # of Valves Not Repaired		-	2	Total # Low Risk Valves		-	5	Total # Susceptible Valves		-	6		
Total # of Valves N/A		-	5										
Browns Ferry 3		296											
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments			
3-FCV-001-0055	Main Steam	Main Steam Drain Inboard Isolation Valve	3	Close	L	No	No	No	N/A	Valve is not applicable to Part 21 due to T-Head Design.			
3-FCV-001-0056	Main Steam	Main Steam Drain Outboard Isolation Valve	3	Close	L	No	No	No	N/A	Valve is not applicable to Part 21 due to T-Head Design.			
3-FCV-068-0003	Reactor Recirculation	Reactor Recirc Pump A Discharge Valve	24	Close	L	Yes	No	Yes < or = 5 deg.	Not Repaired	By April 30, 2018 TVA will complete its review based on TP16-1-112r4 of BFN Anchor Darling Double Disc Gate Valves with active safety functions to determine which valves require repair. Update 1/11/2018 - Valve will be repaired no later than the Spring 2022 refueling outage. ADAMS ML18016A032			
3-FCV-068-0079	Reactor Recirculation	Reactor Recirc Pump B Discharge Valve	24	Close	L	Yes	No	Yes < or = 5 deg.	Not Repaired	By April 30, 2018 TVA will complete its review based on TP16-1-112r4 of BFN Anchor Darling Double Disc Gate Valves with active safety functions to determine which valves require repair. Update 1/11/2018 - Valve will be repaired no later than the Spring 2022 refueling outage. ADAMS ML18016A032			



# Owner/Operator

PLANT	Dkt #										
3-FCV-069-0001	Reactor Water Cleanup (RWCU)	RWCU Inboard Containment Isolation Valve	6	Close	M	Yes	Yes > 0.10	No	Repaired		
3-FCV-069-0002	Reactor Water Cleanup (RWCU)	RWCU Outboard Containment Isolation Valve	6	Close	M	Yes	Yes > 0.10	No	Repaired		
3-FCV-071-0002	Reactor Core Isolation Coolant (RCIC)	RCIC Steam Supply Inboard Containment Isolation Valve	3	Close	M	No	No	No	N/A	Valve is not applicable to Part 21 due to T-Head Design.	
3-FCV-071-0003	Reactor Core Isolation Coolant (RCIC)	RCIC Steam Supply Outboard Containment Isolation Valve	3	Close	M	No	No	No	N/A	Valve is not applicable to Part 21 due to T-Head Design.	
3-FCV-073-0002	High Pressure Coolant Injection (HPCI)	HPCI Inboard Containment Isolation Valve	10	Close	M	Yes	Yes > 0.10	No	Repaired		
3-FCV-073-0003	High Pressure Coolant Injection (HPCI)	HPCI Outboard Containment Isolation Valve	10	Close	M	Yes	Yes > 0.10	No	Repaired		
3-FCV-073-0081	High Pressure Coolant Injection (HPCI)	HPCI Outboard Containment Isolation Bypass Valve	1	Close	L	No	No	No	N/A	Valve is not applicable to Part 21 due to T-Head Design.	

Total # of Valves	-	11	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	4
Total # of Valves Repaired	-	4	Total # Med Risk Valves	-	6	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	2	Total # Low Risk Valves	-	5	Total # Susceptible Valves	-	6
Total # of Valves N/A	-	5						

Sequoyah 1	327										
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status		Industry Comments

1-FCV-063-0008-A	Safety Injection	RHR Heat Exchanger A to CVCS Charging Pumps	8	Both	H	No	No	No	Repaired		
1-FCV-063-0011-B	Safety Injection	RHR Heat Exchanger B to SIS Pumps	8	Both	H	No	No	No	Repaired		
1-FCV-063-0022-B	Safety Injection	SIS Pumps Cold Leg Injection	4	Both	L	Yes	No	No	Not Repaired	Valve is scheduled to be repaired during the Spring 2018 refueling outage.	
1-FCV-063-0025-B	Safety Injection	SIS CCP Injection Tank Shutoff Valve	4	Both	L	No	No	No	Repaired		
1-FCV-063-0026-A	Safety Injection	SIS CCP Injection Tank Shutoff Valve	4	Both	L	No	No	No	Repaired		

# Owner/Operator

PLANT	Dkt #										
1-FCV-063-0039-A	Safety Injection	SIS CCP Injection Tank Inlet Shutoff Valve	4	Both	L	No	No	No	No	Repaired	
1-FCV-063-0040-B	Safety Injection	SIS CCP Injection Tank Inlet Shutoff Valve	4	Both	L	No	No	No	No	Repaired	
1-FCV-063-0072-A	Safety Injection	Containment Sump Flow Isolation Valve	18	Both	H	No	No	No	No	Repaired	
1-FCV-063-0073-B	Safety Injection	Containment Sump Flow Isolation Valve	18	Both	H	No	No	No	No	Repaired	
1-FCV-074-0003-A	Residual Heat Removal (RHR)	RHR Pump A-A Inlet Flow Control Valve	14	Both	H	No	No	No	No	Repaired	
1-FCV-074-0021-B	Residual Heat Removal (RHR)	RHR Pump B-B Inlet Flow Control Valve	14	Both	H	No	No	No	No	Repaired	
1-FCV-074-0033-A	Residual Heat Removal (RHR)	RHR Heat Exchanger A Bypass	8	Both	M	Yes	No	No	No	Not Repaired	Valve is scheduled to be repaired during the Spring 2018 refueling outage.
1-FCV-074-0035-B	Residual Heat Removal (RHR)	RHR Heat Exchanger B Bypass	8	Both	M	Yes	No	No	No	Not Repaired	Valve is scheduled to be repaired during the Spring 2018 refueling outage.

Total # of Valves	-	13	Total # High Risk Valves	-	6	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	10	Total # Med Risk Valves	-	2	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	3	Total # Low Risk Valves	-	5	Total # Susceptible Valves	-	3
Total # of Valves N/A	-	0						

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
2-FCV-063-0008-A	Safety Injection	RHR Heat Exchanger A to CVCS Charging Pumps	8	Both	H	No	No	No	Repaired	
2-FCV-063-0011-B	Safety Injection	RHR Heat Exchanger B to SIS Pumps	8	Both	H	No	No	No	Repaired	
2-FCV-063-0022-B	Safety Injection	SIS Pumps Cold Leg Injection	4	Both	L	Yes	No	No	Not Repaired	Valve is scheduled to be repaired during the Fall 2018 refueling outage.
2-FCV-063-0025-B	Safety Injection	SIS CCP Injection Tank Shutoff Valve	4	Both	L	No	No	No	Repaired	

## Owner/Operator

PLANT	Dkt #										
2-FCV-063-0026-A	Safety Injection	SIS CCP Injection Tank Shutoff Valve	4	Both	L	No	No	No	No	Repaired	
2-FCV-063-0039-A	Safety Injection	SIS CCP Injection Tank Inlet Shutoff Valve	4	Both	L	No	No	No	No	Repaired	
2-FCV-063-0040-B	Safety Injection	SIS CCP Injection Tank Inlet Shutoff Valve	4	Both	L	No	No	No	No	Repaired	
2-FCV-063-0072-A	Safety Injection	Containment Sump Flow Isolation Valve	18	Both	H	No	No	No	No	Repaired	
2-FCV-063-0073-B	Safety Injection	Containment Sump Flow Isolation Valve	18	Both	H	No	No	No	No	Repaired	
2-FCV-074-0003-A	Residual Heat Removal (RHR)	RHR Pump A-A Inlet Flow Control Valve	14	Both	H	Yes	No	No	No	Not Repaired	Valve is scheduled to be repaired during the Fall 2018 refueling outage.
2-FCV-074-0021-B	Residual Heat Removal (RHR)	RHR Pump B-B Inlet Flow Control Valve	14	Both	H	Yes	No	No	No	Not Repaired	Valve is scheduled to be repaired during the Fall 2018 refueling outage.
2-FCV-074-0033-A	Residual Heat Removal (RHR)	RHR Heat Exchanger A Bypass	8	Both	M	No	No	No	No	Repaired	
2-FCV-074-0035-B	Residual Heat Removal (RHR)	RHR Heat Exchanger B Bypass	8	Both	M	Yes	No	No	No	Not Repaired	Valve is scheduled to be repaired during the Fall 2018 refueling outage.

Total # of Valves	-	13	Total # High Risk Valves	-	6	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	9	Total # Med Risk Valves	-	2	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	4	Total # Low Risk Valves	-	5	Total # Susceptible Valves	-	4
Total # of Valves N/A	-	0						

Watts Bar 1	390										
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status		Industry Comments

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

## Owner/Operator

PLANT Dkt #

Watts Bar 2 391

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
----------	--------	------------------	------	------	------	------	-------------	-----------	---------------	-------------------

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

## Owner/Operator Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	61	Total # High Risk Valves	-	12	Total Thread Fric > 0.10	-	12
Total # of Valves Repaired	-	31	Total # Med Risk Valves	-	22	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	15	Total # Low Risk Valves	-	27	Total # Susceptible Valves	-	27
Total # of Valves N/A	-	15						

## Vistra Energy Corp

Comanche Peak 1 445

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
----------	--------	------------------	------	------	------	------	-------------	-----------	---------------	-------------------

Licensee does not use Anchor/Darling Double Disc Gate Valves

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Comanche Peak 2 446

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
----------	--------	------------------	------	------	------	------	-------------	-----------	---------------	-------------------

Licensee does not use Anchor/Darling Double Disc Gate Valves

## Owner/Operator

PLANT	Dkt #				
Total # of Valves	-	0	Total # High Risk Valves	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0
Total # of Valves N/A	-	0	Total Thread Fric > 0.10	-	0
			Total Thread Fric < or = 0.10	-	0
			Total # Susceptible Valves	-	0

## Owner/Operator Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	0	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

## Wolf Creek Nuclear Operating Corp.

Wolf Creek 1		482											
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments			
EGHV0058	Component Cooling Water (CCW)	CCW to RCS Isolation Valve (CTMT ISO)	2	Close	H	Yes	No	No	Repaired				
EGHV0059	Component Cooling Water (CCW)	CCW Return From RCS Isolation Valve (CTMT ISO)	2	Close	H	Yes	No	No	Repaired				
EGHV0060	Component Cooling Water (CCW)	CCW Return From RCS Isolation Valve (CTMT ISO)	2	Close	H	Yes	No	No	Repaired				
EGHV0127	Component Cooling Water (CCW)	CCW to RCS HV-58 & HV-71 Bypass Isolation Valve (CTMT ISO)	2	Close	H	Yes	No	No	Repaired	Passive valve			
EGHV0130	Component Cooling Water (CCW)	RCS CCW Return HV-60 Bypass Isolation Valve (CTMT ISO)	2	Close	H	Yes	No	No	Repaired	Passive valve			
EGHV0131	Component Cooling Water (CCW)	RCS CCW Return HV-59 Bypass Isolation Valve (CTMT ISO)	2	Close	H	Yes	No	No	Repaired	Passive valve			
Total # of Valves	-	6	Total # High Risk Valves	-	6	Total Thread Fric > 0.10			-	0			
Total # of Valves Repaired	-	6	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10			-	0			
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves			-	6			
Total # of Valves N/A	-	0											

# Owner/Operator

PLANT

Dkt #

## Owner/Operator Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	6	Total # High Risk Valves	-	6	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	6	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0
Total # of Valves Not Repaired	-	0	Total # Low Risk Valves	-	0	Total # Susceptible Valves	-	6
Total # of Valves N/A	-	0						

Xcel Energy

Monticello

263

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
MO-2030	Residual Heat Removal (RHR)	RHR Shutdown Cooling Outbaird Isolation Valve	18	Close	L	No	Yes < or = 0.10	Yes < or = 5 deg.	Not Repaired	
MO-2035	High Pressure Coolant Injection (HPCI)	HPCI Steam Line Outboard Isolation Valve	8	Close	L	No	No	No	Repaired	
MO-2071	High Pressure Coolant Injection (HPCI)	HPCI Test Return Isolation Valve	8	Close	L	No	No	No	Repaired	
MO-2397	Reator Water Cleanup (RWCUC)	RWCUC Inlet Inboard Isolation Valve	4	Close	L	No	No	No	Repaired	
MO-2398	Reator Water Cleanup (RWCUC)	RWCUC Inlet Outboard Isolation Valve	4	Close	L	No	No	Yes < or = 5 deg.	Repaired	

Total # of Valves	-	5	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0
Total # of Valves Repaired	-	4	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	1
Total # of Valves Not Repaired	-	1	Total # Low Risk Valves	-	5	Total # Susceptible Valves	-	0
Total # of Valves N/A	-	0						

Prairie Island 1

282

Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status	Industry Comments
MV-32115	Component Cooling Water (CCW)	122 Spent Fuel Pol Heat Exchanger Inlet Header Motor Valve	8	Close	L	No	No	No	Not Repaired	

## Owner/Operator

PLANT	Dkt #											
Total # of Valves	-	1	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0				
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0				
Total # of Valves Not Repaired	-	1	Total # Low Risk Valves	-	1	Total # Susceptible Valves	-	0				
Total # of Valves N/A	-	0										

Prairie Island 2	306											
Valve ID	System	Func Description	Size	Func	Risk	Susc	Thread Fric	Rot Check	Repair Status			Industry Comments
MV-32117	Component Cooling Water (CCW)	121 Spent Fuel Pol Heat Exchanger Inlet Header Motor Valve	8	Close	L	No	No	No	Not Repaired			

Total # of Valves	-	1	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0				
Total # of Valves Repaired	-	0	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	0				
Total # of Valves Not Repaired	-	1	Total # Low Risk Valves	-	1	Total # Susceptible Valves	-	0				
Total # of Valves N/A	-	0										

## Owner/Operator Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	7	Total # High Risk Valves	-	0	Total Thread Fric > 0.10	-	0				
Total # of Valves Repaired	-	4	Total # Med Risk Valves	-	0	Total Thread Fric < or = 0.10	-	1				
Total # of Valves Not Repaired	-	3	Total # Low Risk Valves	-	7	Total # Susceptible Valves	-	0				
Total # of Valves N/A	-	0										

## Anchor Darling Double Disc Gate Valve Population Totals

Total # of Valves	-	584	Total # High Risk Valves	-	106	Total Thread Fric > 0.10	-	182				
Total # of Valves Repaired	-	119	Total # Med Risk Valves	-	163	Total Thread Fric < or = 0.10	-	59				
Total # of Valves Not Repaired	-	425	Total # Low Risk Valves	-	305	Total # Susceptible Valves	-	157				
Total # of Valves N/A	-	40										