Beaver Valley 1

1Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned scrams	1.0	0	1.0	0	0
Critical hours	1896.2	1602.8	2133.9	2209.0	1092.5
Indicator value	**2.7**	**2.0**	**1.8**	**1.8**	**1.0**

Licensee Comments:

1Q/00: 2/2000 Refueling Outage 13 start.

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Scrams	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned power changes	2.0	0	1.0	0	0
Critical hours	1896.2	1602.8	2133.9	2209.0	1092.5
Indicator value	**2.7**	**2.0**	**2.7**	**2.7**	**1.0**

Licensee Comments:

1Q/00: 2/2000 Refueling Outage 13

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	1.20	1.20	1.90	15.10	67.20
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	10.20	12.00	1.50	22.00	28.70
Unplanned unavailable hours	0	0	0	0	48.00
Fault exposure hours	0	0	0	0	62.00
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**0.6%**	**0.6%**	**0.6%**	**0.7%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	6.80	16.50	11.00	14.40	7.44
Unplanned unavailable hours	0	0	0	0	2.00
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1897.70	1601.90	2208.00	2209.00	1092.20
Train 2					
Planned unavailable hours	24.00	36.60	14.50	16.20	1.57
Unplanned unavailable hours	0	0	0	0	46.00
Fault exposure hours	0	0	0	0	62.00
Effective Reset hours	0	0	0	0	0
Required hours	1897.70	1601.90	2208.00	2209.00	1092.20
Indicator value				**1.0%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	0	0	0	39.70	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1601.90	2208.00	2209.00	1099.48
Train 2					
Planned unavailable hours	0	0	0	0	1.75
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1601.90	2208.00	2209.00	1099.48
Train 3					
Planned unavailable hours	0.20	1.40	25.40	1.20	0.67
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1601.90	2208.00	2209.00	1099.48
Indicator value				**0.4%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	10.40	30.60	23.70	23.60	53.16
Unplanned unavailable hours	0	0	0	0	2.00
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1107.10
Train 2					
Planned unavailable hours	38.20	48.70	30.40	26.20	1.25
Unplanned unavailable hours	0	0	0	0	43.10
Fault exposure hours	0	0	0	0	62.00
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	1107.10
Train 3					
Planned unavailable hours	10.40	30.60	23.70	23.60	0
Unplanned unavailable hours	0	0	0	0	0.40
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	841.24
Train 4					
Planned unavailable hours	38.20	48.70	30.40	26.20	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	841.24
Indicator value				**0.9%**	**1.1%**

Licensee Comments:

1Q/00: Reference NEI 99-02, Appendix D, BVPS-1 Plant Specific Design Issue for monitoring RHR Indicator as 4 trains. Historical data for trains 3 & 4 was duplicated from trains 1 & 2 to more accurately reflect historical data which was report as two trains.

4Q/99: Historical data accounted for only the residual heat removal system data, similar to that provided to WANO. BVPS RHR does not take suction from the containment sump.

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Safety System Functional Failures	1	2	0	0	0
Indicator value	**6**	**3**	**3**	**3**	**2**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum activity	0.001650	0.001660	0.002180	0.002100	0.001960	0.002190	0.002660	0.004580	0.002140	0.002280	0.001496	N/A
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	N/A
Indicator value	**0.5**	**0.5**	**0.6**	**0.6**	**0.6**	**0.6**	**0.8**	**1.3**	**0.6**	**0.7**	**0.4**	**N/A**

Licensee Comments:

3/00: Refueling Outage 13 through March.

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum leakage	0.070	0.120	0.060	0.080	0.130	0.090	0.060	0.070	0.090	0.100	0.030	N/A
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	N/A
Indicator value	**0.7**	**1.2**	**0.6**	**0.8**	**1.3**	**0.9**	**0.6**	**0.7**	**0.9**	**1.0**	**0.3**	**N/A**

Licensee Comments:

3/00: Refueling Outage 13 through March

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful opportunities	10.0	129.0	77.0	18.0	16.0
Total opportunities	10.0	131.0	79.0	18.0	16.0
Indicator value			**97.2%**	**97.6%**	**97.9%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Participating Key personnel			80.0	87.0	86.0
Total Key personnel			87.0	87.0	86.0
Indicator value			**92.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful siren-tests	107	108	107	108	109
Total sirens-tests	110	110	110	110	110
Indicator value	**97.0%**	**97.3%**	**97.7%**	**97.7%**	**98.2%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
High radiation area occurrences	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
RETS/ODCM occurrences	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
IDS compensatory hours	58.01	411.12	1198.33	333.60	147.23
CCTV compensatory hours	0	0	0	0	0
IDS normalization factor	2.85	2.85	2.85	2.85	2.85
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5
Index Value	**0.015**	**0.020**	**0.039**	**0.040**	**0.042**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Program failures	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Program Failures	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: April 1, 2002

Beaver Valley 1

2Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned scrams	0	1.0	0	0	1.0
Critical hours	1602.8	2133.9	2209.0	1092.5	2022.2
Indicator value	**2.0**	**1.8**	**1.8**	**1.0**	**1.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Scrams	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned power changes	0	1.0	0	0	1.0
Critical hours	1602.8	2133.9	2209.0	1092.5	2022.2
Indicator value	**2.0**	**2.7**	**2.7**	**1.0**	**1.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	1.20	1.90	15.10	67.20	17.50
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	12.00	1.50	22.00	28.70	27.00
Unplanned unavailable hours	0	0	0	48.00	0
Fault exposure hours	0	0	0	62.00	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**0.6%**	**0.6%**	**0.7%**	**1.0%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	16.50	11.00	14.40	7.44	11.81
Unplanned unavailable hours	0	0	0	2.00	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1601.90	2208.00	2209.00	1092.20	2022.20
Train 2					
Planned unavailable hours	36.60	14.50	16.20	1.57	10.53
Unplanned unavailable hours	0	0	0	46.00	0
Fault exposure hours	0	0	0	62.00	0
Effective Reset hours	0	0	0	0	0
Required hours	1601.90	2208.00	2209.00	1092.20	2022.20
Indicator value			**1.0%**	**1.1%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	0	0	39.70	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1601.90	2208.00	2209.00	1099.48	2040.00
Train 2					
Planned unavailable hours	0	0	0	1.75	14.14
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1601.90	2208.00	2209.00	1099.48	2040.00
Train 3					
Planned unavailable hours	1.40	25.40	1.20	0.67	19.59
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1601.90	2208.00	2209.00	1099.48	2040.00
Indicator value			**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	30.60	23.70	23.60	53.16	10.62
Unplanned unavailable hours	0	0	0	2.00	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1107.10	2105.50
Train 2					
Planned unavailable hours	48.70	30.40	26.20	1.25	6.12
Unplanned unavailable hours	0	0	0	43.10	0
Fault exposure hours	0	0	0	62.00	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1107.10	2105.50
Train 3					
Planned unavailable hours	30.60	23.70	23.60	0	0
Unplanned unavailable hours	0	0	0	0.40	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	841.24	90.10
Train 4					
Planned unavailable hours	48.70	30.40	26.20	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	841.24	90.10
Indicator value			**0.9%**	**1.1%**	**1.0%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Safety System Functional Failures	2	0	0	0	0
Indicator value	**3**	**3**	**3**	**2**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00
Maximum activity	0.002100	0.001960	0.002190	0.002660	0.004580	0.002140	0.002280	0.001496	N/A	0.000467	0.000512	0.000529
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	N/A	0.4	0.4	0.2
Indicator value	**0.6**	**0.6**	**0.6**	**0.8**	**1.3**	**0.6**	**0.7**	**0.4**	**N/A**	**0.1**	**0.1**	**0.3**

Licensee Comments:

6/00: Revised June, 2000 RCS Specific Activity T/S limit based upon an established administrative limit. This did not affect the color of the indicator.

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00
Maximum leakage	0.080	0.130	0.090	0.060	0.070	0.090	0.100	0.030	N/A	0.050	0.070	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	N/A	10.0	10.0	10.0
Indicator value	**0.8**	**1.3**	**0.9**	**0.6**	**0.7**	**0.9**	**1.0**	**0.3**	**N/A**	**0.5**	**0.7**	**0.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful opportunities	129.0	77.0	18.0	16.0	76.0
Total opportunities	131.0	79.0	18.0	16.0	78.0
Indicator value		**97.2%**	**97.6%**	**97.9%**	**97.7%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Participating Key personnel		80.0	87.0	86.0	84.0
Total Key personnel		87.0	87.0	86.0	84.0
Indicator value		**92.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful siren-tests	108	107	108	109	110
Total sirens-tests	110	110	110	110	110
Indicator value	**97.3%**	**97.7%**	**97.7%**	**98.2%**	**98.6%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
High radiation area occurrences	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
RETS/ODCM occurrences	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
IDS compensatory hours	411.12	1198.33	333.60	147.23	110.02
CCTV compensatory hours	0	0	0	0	0
IDS normalization factor	2.85	2.85	2.85	2.85	2.85
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5
Index Value	**0.020**	**0.039**	**0.040**	**0.042**	**0.036**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Program failures	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Program Failures	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: April 1, 2002

Beaver Valley 1

3Q/2000 Performance Indicators

Licensee's General Comments: Error made in data entry to PIWeb for MS3 Indicator

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned scrams	1.0	0	0	1.0	1.0
Critical hours	2133.9	2209.0	1092.5	2022.2	2174.3
Indicator value	**1.8**	**1.8**	**1.0**	**1.9**	**1.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Scrams	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned power changes	1.0	0	0	1.0	1.0
Critical hours	2133.9	2209.0	1092.5	2022.2	2174.3
Indicator value	**2.7**	**2.7**	**1.0**	**1.9**	**1.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	1.90	15.10	67.20	17.50	12.10
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2					
Planned unavailable hours	1.50	22.00	28.70	27.00	5.80
Unplanned unavailable hours	0	0	48.00	0	0
Fault exposure hours	0	0	62.00	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**0.6%**	**0.7%**	**1.0%**	**1.0%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	11.00	14.40	7.44	11.81	2.21
Unplanned unavailable hours	0	0	2.00	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	1092.20	2022.20	2174.30
Train 2					
Planned unavailable hours	14.50	16.20	1.57	10.53	0.95
Unplanned unavailable hours	0	0	46.00	0	0
Fault exposure hours	0	0	62.00	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	1092.20	2022.20	2174.30
Indicator value		**1.0%**	**1.1%**	**1.1%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	0	39.70	0	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	1099.48	2040.00	2174.30
Train 2					
Planned unavailable hours	0	0	1.75	14.14	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	1099.48	2040.00	2174.30
Train 3					
Planned unavailable hours	25.40	1.20	0.67	19.59	0.10
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	1099.48	2040.00	2174.30
Indicator value		**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	23.70	23.60	53.16	10.62	31.11
Unplanned unavailable hours	0	0	2.00	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	1107.10	2105.50	2174.30
Train 2					
Planned unavailable hours	30.40	26.20	1.25	6.12	5.82
Unplanned unavailable hours	0	0	43.10	0	0
Fault exposure hours	0	0	62.00	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	1107.10	2105.50	2174.30
Train 3					
Planned unavailable hours	23.70	23.60	0	0	0
Unplanned unavailable hours	0	0	0.40	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	841.24	90.10	0
Train 4					
Planned unavailable hours	30.40	26.20	0	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	841.24	90.10	0
Indicator value		**0.9%**	**1.1%**	**1.0%**	**1.1%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Safety System Functional Failures	0	0	0	0	0
Indicator value	**3**	**3**	**2**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.002660	0.004580	0.002140	0.002280	0.001496	N/A	0.000467	0.000512	0.000529	0.000581	0.000609	0.000649
Technical specification limit	0.4	0.4	0.4	0.4	0.4	N/A	0.4	0.4	0.2	0.2	0.2	0.2
Indicator value	**0.8**	**1.3**	**0.6**	**0.7**	**0.4**	**N/A**	**0.1**	**0.1**	**0.3**	**0.3**	**0.3**	**0.3**

Licensee Comments:

6/00: Revised June, 2000 RCS Specific Activity T/S limit based upon an established administrative limit. This did not affect the color of the indicator.

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.060	0.070	0.090	0.100	0.030	N/A	0.050	0.070	0.040	0.050	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	N/A	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.7**	**0.9**	**1.0**	**0.3**	**N/A**	**0.5**	**0.7**	**0.4**	**0.5**	**0.3**	**0.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful opportunities	77.0	18.0	16.0	76.0	50.0
Total opportunities	79.0	18.0	16.0	78.0	52.0
Indicator value	**97.2%**	**97.6%**	**97.9%**	**97.7%**	**97.8%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Participating Key personnel	80.0	87.0	86.0	84.0	83.0
Total Key personnel	87.0	87.0	86.0	84.0	83.0
Indicator value	**92.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful siren-tests	107	108	109	110	218
Total sirens-tests	110	110	110	110	220
Indicator value	**97.7%**	**97.7%**	**98.2%**	**98.6%**	**99.1%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
High radiation area occurrences	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
RETS/ODCM occurrences	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
IDS compensatory hours	1198.33	333.60	147.23	110.02	364.68
CCTV compensatory hours	0	0	0	0	0
IDS normalization factor	2.85	2.85	2.85	2.85	2.85
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5
Index Value	**0.039**	**0.040**	**0.042**	**0.036**	**0.019**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Program failures	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Program Failures	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: March 29, 2002

Beaver Valley 1

4Q/2000 Performance Indicators

Licensee's General Comments: Revised AFW data.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned scrams	0	0	1.0	1.0	0
Critical hours	2209.0	1092.5	2022.2	2174.3	2209.0
Indicator value	**1.8**	**1.0**	**1.9**	**1.9**	**1.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Scrams	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned power changes	0	0	1.0	1.0	1.0
Critical hours	2209.0	1092.5	2022.2	2174.3	2209.0
Indicator value	**2.7**	**1.0**	**1.9**	**1.9**	**2.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	15.10	67.20	17.50	12.10	8.80
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2					
Planned unavailable hours	22.00	28.70	27.00	5.80	5.60
Unplanned unavailable hours	0	48.00	0	0	0
Fault exposure hours	0	62.00	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	**0.7%**	**1.0%**	**1.0%**	**1.1%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	14.40	7.44	11.81	2.21	6.37
Unplanned unavailable hours	0	2.00	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	1092.20	2022.20	2174.30	2209.00
Train 2					
Planned unavailable hours	16.20	1.57	10.53	0.95	1.86
Unplanned unavailable hours	0	46.00	0	0	0
Fault exposure hours	0	62.00	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	1092.20	2022.20	2174.30	2209.00
Indicator value	**1.0%**	**1.1%**	**1.1%**	**1.0%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	39.70	0	0	0	14.02
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	1099.48	2040.00	2174.30	2209.00
Train 2					
Planned unavailable hours	0	1.75	14.14	0	17.72
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	1099.48	2040.00	2174.30	2209.00
Train 3					
Planned unavailable hours	1.20	0.67	19.59	0.10	16.90
Unplanned unavailable hours	0	0	0	0	33.30
Fault exposure hours	0	0	0	0	0.42
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	1099.48	2040.00	2174.30	2209.00
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments:

4Q/00: Data correction for December 2000 (Train 2 unavailable hours) which did not affect "color".

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	23.60	53.16	10.62	31.11	18.70
Unplanned unavailable hours	0	2.00	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	1107.10	2105.50	2174.30	2209.00
Train 2					
Planned unavailable hours	26.20	1.25	6.12	5.82	41.30
Unplanned unavailable hours	0	43.10	0	0	0
Fault exposure hours	0	62.00	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	1107.10	2105.50	2174.30	2209.00
Train 3					
Planned unavailable hours	23.60	0	0	0	0
Unplanned unavailable hours	0	0.40	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	841.24	90.10	0	0
Train 4					
Planned unavailable hours	26.20	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	841.24	90.10	0	0

Indicator value	**0.9%**	**1.1%**	**1.0%**	**1.1%**	**1.1%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	**4Q/99**	**1Q/00**	**2Q/00**	**3Q/00**	**4Q/00**
Safety System Functional Failures	0	0	0	0	0
Indicator value	**3**	**2**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.002280	0.001496	N/A	0.000467	0.000512	0.000529	0.000581	0.000609	0.000649	0.000743	0.000654	0.000793
Technical specification limit	0.4	0.4	N/A	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.7**	**0.4**	**N/A**	**0.1**	**0.1**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**0.3**	**0.4**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	0.100	0.030	N/A	0.050	0.070	0.040	0.050	0.030	0.020	0.040	0.040	0.040
Technical specification limit	10.0	10.0	N/A	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.0**	**0.3**	**N/A**	**0.5**	**0.7**	**0.4**	**0.5**	**0.3**	**0.2**	**0.4**	**0.4**	**0.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful opportunities	18.0	16.0	76.0	50.0	46.0
Total opportunities	18.0	16.0	78.0	52.0	47.0
Indicator value	**97.6%**	**97.9%**	**97.7%**	**97.8%**	**97.9%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Participating Key personnel	87.0	86.0	84.0	83.0	85.0
Total Key personnel	87.0	86.0	84.0	83.0	85.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful siren-tests	108	109	110	218	110
Total sirens-tests	110	110	110	220	110
Indicator value	**97.7%**	**98.2%**	**98.6%**	**99.1%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
High radiation area occurrences	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
RETS/ODCM occurrences	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
IDS compensatory hours	333.60	147.23	110.02	364.68	373.33
CCTV compensatory hours	0	0	0	0	0
IDS normalization factor	2.85	2.85	2.85	2.85	2.85
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5
Index Value	**0.040**	**0.042**	**0.036**	**0.019**	**0.020**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Program failures	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Program Failures	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Action Matrix Summary | Reactor Oversight Process

Last Modified: March 28, 2002

Beaver Valley 1

1Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned scrams	0	0	1.0	1.0	0	0
Critical hours	2209.0	1092.5	2022.2	2174.3	2209.0	2160.0
Indicator value	**1.8**	**1.0**	**1.9**	**1.9**	**1.9**	**1.6**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Scrams	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned power changes	0	0	1.0	1.0	1.0	0
Critical hours	2209.0	1092.5	2022.2	2174.3	2209.0	2160.0
Indicator value	**2.7**	**1.0**	**1.9**	**1.9**	**2.8**	**2.5**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	15.10	67.20	17.50	12.10	8.80	5.20
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	22.00	28.70	27.00	5.80	5.60	43.80
Unplanned unavailable hours	0	48.00	0	0	0	0.10
Fault exposure hours	0	62.00	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.7%**	**1.0%**	**1.0%**	**1.1%**	**0.9%**	**0.8%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	14.40	7.44	11.81	2.21	6.37	13.32
Unplanned unavailable hours	0	2.00	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	1092.20	2022.20	2174.30	2209.00	2160.00
Train 2						
Planned unavailable hours	16.20	1.57	10.53	0.95	1.86	2.28
Unplanned unavailable hours	0	46.00	0	0	0	0
Fault exposure hours	0	62.00	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	1092.20	2022.20	2174.30	2209.00	2160.00
Indicator value	**1.0%**	**1.1%**	**1.1%**	**1.0%**	**0.9%**	**0.8%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	39.70	0	0	0	14.02	0
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	1099.48	2040.00	2174.30	2209.00	2160.00
Train 2						
Planned unavailable hours	0	1.75	14.14	0	17.72	0
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	1099.48	2040.00	2174.30	2209.00	2160.00
Train 3						
Planned unavailable hours	1.20	0.67	19.59	0.10	16.90	2.28
Unplanned unavailable hours	0	0	0	0	33.30	10.08
Fault exposure hours	0	0	0	0	0.42	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	1099.48	2040.00	2174.30	2209.00	2160.00
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments:

4Q/00: Data correction for December 2000 (Train 2 unavailable hours) which did not affect "color".

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	23.60	53.16	10.62	31.11	18.70	1.72
Unplanned unavailable hours	0	2.00	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	1107.10	2105.50	2174.30	2209.00	2160.00
Train 2						
Planned unavailable hours	26.20	1.25	6.12	5.82	41.30	0.65
Unplanned unavailable hours	0	43.10	0	0	0	0
Fault exposure hours	0	62.00	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	1107.10	2105.50	2174.30	2209.00	2160.00
Train 3						
Planned unavailable hours	23.60	0	0	0	0	0
Unplanned unavailable hours	0	0.40	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	841.24	90.10	0	0	0
Train 4						
Planned unavailable hours	26.20	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	841.24	90.10	0	0	0

Indicator value	**0.9%**	**1.1%**	**1.0%**	**1.1%**	**1.1%**	**1.2%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	**4Q/99**	**1Q/00**	**2Q/00**	**3Q/00**	**4Q/00**	**1Q/01**
Safety System Functional Failures	0	0	0	0	0	0
Indicator value	**3**	**2**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.002660	0.004580	0.002140	0.002280	0.001496	N/A	0.000467	0.000512	0.000529	0.000581	0.000609	0.000649
Technical specification limit	0.4	0.4	0.4	0.4	0.4	N/A	0.4	0.4	0.2	0.2	0.2	0.2
Indicator value	**0.8**	**1.3**	**0.6**	**0.7**	**0.4**	**N/A**	**0.1**	**0.1**	**0.3**	**0.3**	**0.3**	**0.3**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000743	0.000654	0.000793	0.000874	0.000739	0.000982
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.4**	**0.3**	**0.4**	**0.4**	**0.4**	**0.5**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.060	0.070	0.090	0.100	0.030	N/A	0.050	0.070	0.040	0.050	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	N/A	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.7**	**0.9**	**1.0**	**0.3**	**N/A**	**0.5**	**0.7**	**0.4**	**0.5**	**0.3**	**0.2**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0.040	0.040	0.040	0.030	0.030	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.4**	**0.4**	**0.3**	**0.3**	**0.3**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful opportunities	18.0	16.0	76.0	50.0	46.0	8.0
Total opportunities	18.0	16.0	78.0	52.0	47.0	8.0
Indicator value	**97.6%**	**97.9%**	**97.7%**	**97.8%**	**97.9%**	**97.9%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Participating Key personnel	87.0	86.0	84.0	83.0	85.0	85.0
Total Key personnel	87.0	86.0	84.0	83.0	85.0	85.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful siren-tests	108	109	110	218	110	110
Total sirens-tests	110	110	110	220	110	110
Indicator value	**97.7%**	**98.2%**	**98.6%**	**99.1%**	**99.5%**	**99.6%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
High radiation area occurrences	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
RETS/ODCM occurrences	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
IDS compensatory hours	333.60	147.23	110.02	364.68	373.33	155.00
CCTV compensatory hours	0	0	0	0	0	1.6
IDS normalization factor	2.85	2.85	2.85	2.85	2.85	2.85
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5
Index Value	**0.040**	**0.042**	**0.036**	**0.019**	**0.020**	**0.020**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Program failures	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Program Failures	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Action Matrix Summary | Reactor Oversight Process

Last Modified: March 28, 2002

Beaver Valley 1

2Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned scrams	0	0	1.0	1.0	0	0	1.0
Critical hours	2209.0	1092.5	2022.2	2174.3	2209.0	2160.0	1905.1
Indicator value	**1.8**	**1.0**	**1.9**	**1.9**	**1.9**	**1.6**	**1.7**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Scrams	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned power changes	0	0	1.0	1.0	1.0	0	0
Critical hours	2209.0	1092.5	2022.2	2174.3	2209.0	2160.0	1905.1
Indicator value	**2.7**	**1.0**	**1.9**	**1.9**	**2.8**	**2.5**	**1.7**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	15.10	67.20	17.50	12.10	8.80	5.20	26.80
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2							
Planned unavailable hours	22.00	28.70	27.00	5.80	5.60	43.80	6.20
Unplanned unavailable hours	0	48.00	0	0	0	0.10	0
Fault exposure hours	0	62.00	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.7%**	**1.0%**	**1.0%**	**1.1%**	**0.9%**	**0.8%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	14.40	7.44	11.81	2.21	6.37	13.32	9.04
Unplanned unavailable hours	0	2.00	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	1092.20	2022.20	2174.30	2209.00	2160.00	2001.70
Train 2							
Planned unavailable hours	16.20	1.57	10.53	0.95	1.86	2.28	2.09
Unplanned unavailable hours	0	46.00	0	0	0	0	0
Fault exposure hours	0	62.00	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	1092.20	2022.20	2174.30	2209.00	2160.00	2001.70
Indicator value	**1.0%**	**1.1%**	**1.1%**	**1.0%**	**0.9%**	**0.8%**	**0.8%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	39.70	0	0	0	14.02	0	1.50
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	1099.48	2040.00	2174.30	2209.00	2160.00	2001.70
Train 2							
Planned unavailable hours	0	1.75	14.14	0	17.72	0	12.87
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	1099.48	2040.00	2174.30	2209.00	2160.00	2001.70
Train 3							
Planned unavailable hours	1.20	0.67	19.59	0.10	16.90	2.28	11.80
Unplanned unavailable hours	0	0	0	0	33.30	10.08	0
Fault exposure hours	0	0	0	0	0.42	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	1099.48	2040.00	2174.30	2209.00	2160.00	2001.70
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	23.60	53.16	10.62	31.11	18.70	1.72	10.63
Unplanned unavailable hours	0	2.00	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	1107.10	2105.50	2174.30	2209.00	2160.00	2001.70
Train 2							
Planned unavailable hours	26.20	1.25	6.12	5.82	41.30	0.65	0.33
Unplanned unavailable hours	0	43.10	0	0	0	0	0
Fault exposure hours	0	62.00	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	1107.10	2105.50	2174.30	2209.00	2160.00	2001.70
Train 3							
Planned unavailable hours	23.60	0	0	0	0	0	0
Unplanned unavailable hours	0	0.40	0	0	0	0	0.60
Fault exposure hours	0	0	0	0	0	0	0.80
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	841.24	90.10	0	0	0	194.12
Train 4							
Planned unavailable hours	26.20	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0.60
Fault exposure hours	0	0	0	0	0	0	0.80
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	841.24	90.10	0	0	0	194.12
Indicator value	**0.9%**	**1.1%**	**1.0%**	**1.1%**	**1.1%**	**1.2%**	**1.3%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Safety System Functional Failures	0	0	0	0	0	0	0
Indicator value	**3**	**2**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.002660	0.004580	0.002140	0.002280	0.001496	N/A	0.000467	0.000512	0.000529	0.000581	0.000609	0.000649
Technical specification limit	0.4	0.4	0.4	0.4	0.4	N/A	0.4	0.4	0.2	0.2	0.2	0.2
Indicator value	**0.8**	**1.3**	**0.6**	**0.7**	**0.4**	**N/A**	**0.1**	**0.1**	**0.3**	**0.3**	**0.3**	**0.3**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	0.000743	0.000654	0.000793	0.000874	0.000739	0.000982	0.000779	0.000917	0.000854
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
Indicator value	**0.4**	**0.3**	**0.4**	**0.4**	**0.4**	**0.5**	**0.4**	**0.9**	**0.9**

Licensee Comments:

6/01: TS limit was administratively changed from 0.20 to 0.10 in May.

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.060	0.070	0.090	0.100	0.030	N/A	0.050	0.070	0.040	0.050	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	N/A	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.7**	**0.9**	**1.0**	**0.3**	**N/A**	**0.5**	**0.7**	**0.4**	**0.5**	**0.3**	**0.2**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	0.040	0.040	0.040	0.030	0.030	0.030	0.020	0.050	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.4**	**0.4**	**0.3**	**0.3**	**0.3**	**0.2**	**0.5**	**0.3**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful opportunities	18.0	16.0	76.0	50.0	46.0	8.0	71.0
Total opportunities	18.0	16.0	78.0	52.0	47.0	8.0	75.0
Indicator value	**97.6%**	**97.9%**	**97.7%**	**97.8%**	**97.9%**	**97.9%**	**97.1%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Participating Key personnel	87.0	86.0	84.0	83.0	85.0	85.0	91.0
Total Key personnel	87.0	86.0	84.0	83.0	85.0	85.0	91.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful siren-tests	108	109	110	218	110	110	110
Total sirens-tests	110	110	110	220	110	110	110
Indicator value	**97.7%**	**98.2%**	**98.6%**	**99.1%**	**99.5%**	**99.6%**	**99.6%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
High radiation area occurrences	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
RETS/ODCM occurrences	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
IDS compensatory hours	333.60	147.23	110.02	364.68	373.33	155.00	584.02
CCTV compensatory hours	0	0	0	0	0	1.6	0
IDS normalization factor	2.85	2.85	2.85	2.85	2.85	2.85	2.82
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Index Value	**0.040**	**0.042**	**0.036**	**0.019**	**0.020**	**0.020**	**0.030**

Licensee Comments:

2Q/01: IDS Normalization Factor changed from 2.85 (for April and May) to 2.75 for June. Average of 2.8167 was used for Q2.

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Program failures	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Program Failures	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Last Modified: March 27, 2002

Beaver Valley 1

3Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned scrams	0	0	1.0	1.0	0	0	1.0	0
Critical hours	2209.0	1092.5	2022.2	2174.3	2209.0	2160.0	1905.1	1488.0
Indicator value	**1.8**	**1.0**	**1.9**	**1.9**	**1.9**	**1.6**	**1.7**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned power changes	0	0	1.0	1.0	1.0	0	0	0
Critical hours	2209.0	1092.5	2022.2	2174.3	2209.0	2160.0	1905.1	1488.0
Indicator value	**2.7**	**1.0**	**1.9**	**1.9**	**2.8**	**2.5**	**1.7**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	15.10	67.20	17.50	12.10	8.80	5.20	26.80	4.10
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	102.50
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	22.00	28.70	27.00	5.80	5.60	43.80	6.20	3.70
Unplanned unavailable hours	0	48.00	0	0	0	0.10	0	0
Fault exposure hours	0	62.00	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.7%**	**1.0%**	**1.0%**	**1.1%**	**0.9%**	**0.8%**	**0.9%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	14.40	7.44	11.81	2.21	6.37	13.32	9.04	0.98
Unplanned unavailable hours	0	2.00	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1092.20	2022.20	2174.30	2209.00	2160.00	2001.70	1494.77
Train 2								
Planned unavailable hours	16.20	1.57	10.53	0.95	1.86	2.28	2.09	4.07
Unplanned unavailable hours	0	46.00	0	0	0	0	0	0
Fault exposure hours	0	62.00	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1092.20	2022.20	2174.30	2209.00	2160.00	2001.70	1494.77
Indicator value	**1.0%**	**1.1%**	**1.1%**	**1.0%**	**0.9%**	**0.8%**	**0.8%**	**0.8%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	39.70	0	0	0	14.02	0	1.50	0.12
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1099.48	2040.00	2174.30	2209.00	2160.00	2001.70	1494.77
Train 2								
Planned unavailable hours	0	1.75	14.14	0	17.72	0	12.87	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1099.48	2040.00	2174.30	2209.00	2160.00	2001.70	1494.77
Train 3								
Planned unavailable hours	1.20	0.67	19.59	0.10	16.90	2.28	11.80	0.55
Unplanned unavailable hours	0	0	0	0	33.30	10.08	0	0
Fault exposure hours	0	0	0	0	0.42	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1099.48	2040.00	2174.30	2209.00	2160.00	2001.70	1494.77
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	23.60	53.16	10.62	31.11	18.70	1.72	10.63	0.98
Unplanned unavailable hours	0	2.00	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1107.10	2105.50	2174.30	2209.00	2160.00	2001.70	1494.77
Train 2								
Planned unavailable hours	26.20	1.25	6.12	5.82	41.30	0.65	0.33	1.02
Unplanned unavailable hours	0	43.10	0	0	0	0	0	0
Fault exposure hours	0	62.00	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1107.10	2105.50	2174.30	2209.00	2160.00	2001.70	1494.77
Train 3								
Planned unavailable hours	23.60	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0.40	0	0	0	0	0.60	0
Fault exposure hours	0	0	0	0	0	0	0.80	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	841.24	90.10	0	0	0	194.12	606.32
Train 4								
Planned unavailable hours	26.20	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0.60	0
Fault exposure hours	0	0	0	0	0	0	0.80	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	841.24	90.10	0	0	0	194.12	606.32
Indicator value	**0.9%**	**1.1%**	**1.0%**	**1.1%**	**1.1%**	**1.2%**	**1.3%**	**1.3%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**3**	**2**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.002660	0.004580	0.002140	0.002280	0.001496	N/A	0.000467	0.000512	0.000529	0.000581	0.000609	0.000649
Technical specification limit	0.4	0.4	0.4	0.4	0.4	N/A	0.4	0.4	0.2	0.2	0.2	0.2
Indicator value	**0.8**	**1.3**	**0.6**	**0.7**	**0.4**	**N/A**	**0.1**	**0.1**	**0.3**	**0.3**	**0.3**	**0.3**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity	0.000743	0.000654	0.000793	0.000874	0.000739	0.000982	0.000779	0.000917	0.000854	0.000918	0.000914	N/A
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.4**	**0.3**	**0.4**	**0.4**	**0.4**	**0.5**	**0.4**	**0.9**	**0.9**	**0.9**	**0.9**	**N/A**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.060	0.070	0.090	0.100	0.030	N/A	0.050	0.070	0.040	0.050	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	N/A	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.7**	**0.9**	**1.0**	**0.3**	**N/A**	**0.5**	**0.7**	**0.4**	**0.5**	**0.3**	**0.2**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	0.040	0.040	0.040	0.030	0.030	0.030	0.020	0.050	0.030	0.030	0.110	N/A
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.4**	**0.4**	**0.3**	**0.3**	**0.3**	**0.2**	**0.5**	**0.3**	**0.3**	**1.1**	**N/A**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful opportunities	18.0	16.0	76.0	50.0	46.0	8.0	71.0	38.0
Total opportunities	18.0	16.0	78.0	52.0	47.0	8.0	75.0	39.0
Indicator value	**97.6%**	**97.9%**	**97.7%**	**97.8%**	**97.9%**	**97.9%**	**97.1%**	**97.0%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Participating Key personnel	87.0	86.0	84.0	83.0	85.0	85.0	91.0	102.0
Total Key personnel	87.0	86.0	84.0	83.0	85.0	85.0	91.0	102.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful siren-tests	108	109	110	218	110	110	110	109
Total sirens-tests	110	110	110	220	110	110	110	110
Indicator value	**97.7%**	**98.2%**	**98.6%**	**99.1%**	**99.5%**	**99.6%**	**99.6%**	**99.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
IDS compensatory hours	333.60	147.23	110.02	364.68	373.33	155.00	584.02	108.39
CCTV compensatory hours	0	0	0	0	0	1.6	0	0
IDS normalization factor	2.85	2.85	2.85	2.85	2.85	2.85	2.82	2.75
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Index Value	**0.040**	**0.042**	**0.036**	**0.019**	**0.020**	**0.020**	**0.030**	**0.025**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Program failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Program Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Last Modified: March 26, 2002

Beaver Valley 1

4Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned scrams	0	1.0	1.0	0	0	1.0	0	2.0
Critical hours	1092.5	2022.2	2174.3	2209.0	2160.0	1905.1	1488.0	1908.5
Indicator value	**1.0**	**1.9**	**1.9**	**1.9**	**1.6**	**1.7**	**0.9**	**2.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned power changes	0	1.0	1.0	1.0	0	0	0	0
Critical hours	1092.5	2022.2	2174.3	2209.0	2160.0	1905.1	1488.0	1908.5
Indicator value	**1.0**	**1.9**	**1.9**	**2.8**	**2.5**	**1.7**	**0.9**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	67.20	17.50	12.10	8.80	5.20	26.80	4.10	10.40
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	102.50	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	28.70	27.00	5.80	5.60	43.80	6.20	3.70	7.00
Unplanned unavailable hours	48.00	0	0	0	0.10	0	0	22.60
Fault exposure hours	62.00	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**1.0%**	**1.0%**	**1.1%**	**0.9%**	**0.8%**	**0.9%**	**1.0%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	7.44	11.81	2.21	6.37	13.32	9.04	0.98	2.59
Unplanned unavailable hours	2.00	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1092.20	2022.20	2174.30	2209.00	2160.00	2001.70	1494.77	2124.48
Train 2								
Planned unavailable hours	1.57	10.53	0.95	1.86	2.28	2.09	4.07	4.29
Unplanned unavailable hours	46.00	0	0	0	0	0	0	0
Fault exposure hours	62.00	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1092.20	2022.20	2174.30	2209.00	2160.00	2001.70	1494.77	2124.48
Indicator value	**1.1%**	**1.1%**	**1.0%**	**0.9%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	0	0	0	14.02	0	1.50	0.12	1.00
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1099.48	2040.00	2174.30	2209.00	2160.00	2001.70	1494.77	2124.48
Train 2								
Planned unavailable hours	1.75	14.14	0	17.72	0	12.87	0	4.77
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1099.48	2040.00	2174.30	2209.00	2160.00	2001.70	1494.77	2124.48
Train 3								
Planned unavailable hours	0.67	19.59	0.10	16.90	2.28	11.80	0.55	68.30
Unplanned unavailable hours	0	0	0	33.30	10.08	0	0	0
Fault exposure hours	0	0	0	0.42	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1099.48	2040.00	2174.30	2209.00	2160.00	2001.70	1494.77	2107.08
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	53.16	10.62	31.11	18.70	1.72	10.63	0.98	1.75
Unplanned unavailable hours	2.00	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1107.10	2105.50	2174.30	2209.00	2160.00	2001.70	1494.77	2124.48
Train 2								
Planned unavailable hours	1.25	6.12	5.82	41.30	0.65	0.33	1.02	12.11
Unplanned unavailable hours	43.10	0	0	0	0	0	0	0
Fault exposure hours	62.00	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1107.10	2105.50	2174.30	2209.00	2160.00	2001.70	1494.77	2124.48
Train 3								
Planned unavailable hours	0	0	0	0	0	0	0	0.52
Unplanned unavailable hours	0.40	0	0	0	0	0.60	0	0
Fault exposure hours	0	0	0	0	0	0.80	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	841.24	90.10	0	0	0	194.12	606.32	75.11
Train 4								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0.60	0	0
Fault exposure hours	0	0	0	0	0	0.80	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	841.24	90.10	0	0	0	194.12	606.32	76.56
Indicator value	**1.1%**	**1.0%**	**1.1%**	**1.1%**	**1.2%**	**1.3%**	**1.3%**	**1.1%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.002280	0.001496	N/A	0.000467	0.000512	0.000529	0.000581	0.000609	0.000649	0.000743	0.000654	0.000793
Technical specification limit	0.4	0.4	N/A	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.7**	**0.4**	**N/A**	**0.1**	**0.1**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**0.3**	**0.4**

Reactor Coolant System Activity	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	0.000874	0.000739	0.000982	0.000779	0.000917	0.000854	0.000918	0.000914	N/A	0.000360	0.000389	0.000376
Technical specification limit	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.4**	**0.4**	**0.5**	**0.4**	**0.9**	**0.9**	**0.9**	**0.9**	**N/A**	**0.4**	**0.4**	**0.4**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	0.100	0.030	N/A	0.050	0.070	0.040	0.050	0.030	0.020	0.040	0.040	0.040
Technical specification limit	10.0	10.0	N/A	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.0**	**0.3**	**N/A**	**0.5**	**0.7**	**0.4**	**0.5**	**0.3**	**0.2**	**0.4**	**0.4**	**0.4**

Reactor Coolant System Leakage	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum leakage	0.030	0.030	0.030	0.020	0.050	0.030	0.030	0.110	N/A	0.050	0.030	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.3**	**0.3**	**0.2**	**0.5**	**0.3**	**0.3**	**1.1**	**N/A**	**0.5**	**0.3**	**0.5**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful opportunities	16.0	76.0	50.0	46.0	8.0	71.0	38.0	39.0
Total opportunities	16.0	78.0	52.0	47.0	8.0	75.0	39.0	39.0
Indicator value	**97.9%**	**97.7%**	**97.8%**	**97.9%**	**97.9%**	**97.1%**	**97.0%**	**97.2%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	86.0	84.0	83.0	85.0	85.0	91.0	102.0	104.0
Total Key personnel	86.0	84.0	83.0	85.0	85.0	91.0	102.0	104.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful siren-tests	109	110	218	110	110	110	109	218
Total sirens-tests	110	110	220	110	110	110	110	220
Indicator value	**98.2%**	**98.6%**	**99.1%**	**99.5%**	**99.6%**	**99.6%**	**99.8%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
IDS compensatory hours	147.23	110.02	364.68	373.33	155.00	584.02	108.39	119.85
CCTV compensatory hours	0	0	0	0	1.6	0	0	7.1
IDS normalization factor	2.85	2.85	2.85	2.85	2.85	2.82	2.75	2.75
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Index Value	**0.042**	**0.036**	**0.019**	**0.020**	**0.020**	**0.030**	**0.025**	**0.020**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Program failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Program Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Action Matrix Summary | Reactor Oversight Process

Last Modified: March 15, 2002

Beaver Valley 1

1Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned scrams	1.0	1.0	0	0	1.0	0	2.0	0
Critical hours	2022.2	2174.3	2209.0	2160.0	1905.1	1488.0	1908.5	2160.0
Indicator value	**1.9**	**1.9**	**1.9**	**1.6**	**1.7**	**0.9**	**2.8**	**2.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned power changes	1.0	1.0	1.0	0	0	0	0	1.0
Critical hours	2022.2	2174.3	2209.0	2160.0	1905.1	1488.0	1908.5	2160.0
Indicator value	**1.9**	**1.9**	**2.8**	**2.5**	**1.7**	**0.9**	**0**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	17.50	12.10	8.80	5.20	26.80	4.10	10.40	4.40
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	102.50	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	27.00	5.80	5.60	43.80	6.20	3.70	7.00	11.70
Unplanned unavailable hours	0	0	0	0.10	0	0	22.60	25.50
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**1.0%**	**1.1%**	**0.9%**	**0.8%**	**0.9%**	**1.0%**	**1.1%**	**1.2%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	11.81	2.21	6.37	13.32	9.04	0.98	2.59	1.27
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2022.20	2174.30	2209.00	2160.00	2001.70	1494.77	2124.48	2160.00
Train 2								
Planned unavailable hours	10.53	0.95	1.86	2.28	2.09	4.07	4.29	3.07
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2022.20	2174.30	2209.00	2160.00	2001.70	1494.77	2124.48	2160.00
Indicator value	**1.1%**	**1.0%**	**0.9%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	0	0	14.02	0	1.50	0.12	1.00	2.27
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2040.00	2174.30	2209.00	2160.00	2001.70	1494.77	2124.48	2160.00
Train 2								
Planned unavailable hours	14.14	0	17.72	0	12.87	0	4.77	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2040.00	2174.30	2209.00	2160.00	2001.70	1494.77	2124.48	2160.00
Train 3								
Planned unavailable hours	19.59	0.10	16.90	2.28	11.80	0.55	68.30	0
Unplanned unavailable hours	0	0	33.30	10.08	0	0	0	0
Fault exposure hours	0	0	0.42	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2040.00	2174.30	2209.00	2160.00	2001.70	1494.77	2107.08	2160.00
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	10.62	31.11	18.70	1.72	10.63	0.98	1.75	8.33
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2105.50	2174.30	2209.00	2160.00	2001.70	1494.77	2124.48	2160.00
Train 2								
Planned unavailable hours	6.12	5.82	41.30	0.65	0.33	1.02	12.11	2.14
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2105.50	2174.30	2209.00	2160.00	2001.70	1494.77	2124.48	2160.00
Train 3								
Planned unavailable hours	0	0	0	0	0	0	0.52	0
Unplanned unavailable hours	0	0	0	0	0.60	0	0	0
Fault exposure hours	0	0	0	0	0.80	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	90.10	0	0	0	194.12	606.32	75.11	0
Train 4								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0.60	0	0	0
Fault exposure hours	0	0	0	0	0.80	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	90.10	0	0	0	194.12	606.32	76.56	0
Indicator value	**1.0%**	**1.1%**	**1.1%**	**1.2%**	**1.3%**	**1.3%**	**1.1%**	**1.1%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000467	0.000512	0.000529	0.000581	0.000609	0.000649	0.000743	0.000654	0.000793	0.000874	0.000739	0.000982
Technical specification limit	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.1**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**0.3**	**0.4**	**0.4**	**0.4**	**0.5**

Reactor Coolant System Activity	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum activity	0.000779	0.000917	0.000854	0.000918	0.000914	N/A	0.000360	0.000389	0.000376	0.000515	0.000448	0.000433
Technical specification limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.4**	**0.9**	**0.9**	**0.9**	**0.9**	**N/A**	**0.4**	**0.4**	**0.4**	**0.5**	**0.4**	**0.4**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0.050	0.070	0.040	0.050	0.030	0.020	0.040	0.040	0.040	0.030	0.030	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.5**	**0.7**	**0.4**	**0.5**	**0.3**	**0.2**	**0.4**	**0.4**	**0.4**	**0.3**	**0.3**	**0.3**

Reactor Coolant System Leakage	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum leakage	0.020	0.050	0.030	0.030	0.110	N/A	0.050	0.030	0.050	0.060	0.040	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.5**	**0.3**	**0.3**	**1.1**	**N/A**	**0.5**	**0.3**	**0.5**	**0.6**	**0.4**	**0.5**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful opportunities	76.0	50.0	46.0	8.0	71.0	38.0	39.0	5.0
Total opportunities	78.0	52.0	47.0	8.0	75.0	39.0	39.0	5.0
Indicator value	**97.7%**	**97.8%**	**97.9%**	**97.9%**	**97.1%**	**97.0%**	**97.2%**	**97.1%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Participating Key personnel	84.0	83.0	85.0	85.0	91.0	102.0	104.0	104.0
Total Key personnel	84.0	83.0	85.0	85.0	91.0	102.0	104.0	104.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful siren-tests	110	218	110	110	110	109	218	109
Total sirens-tests	110	220	110	110	110	110	220	110
Indicator value	**98.6%**	**99.1%**	**99.5%**	**99.6%**	**99.6%**	**99.8%**	**99.5%**	**99.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
IDS compensatory hours	110.02	364.68	373.33	155.00	584.02	108.39	119.85	287.09
CCTV compensatory hours	0	0	0	1.6	0	0	7.1	0
IDS normalization factor	2.85	2.85	2.85	2.85	2.82	2.75	2.75	2.75
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Index Value	**0.036**	**0.019**	**0.020**	**0.020**	**0.030**	**0.025**	**0.020**	**0.023**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Program failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Program Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: May 1, 2002

Beaver Valley 1

2Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Unplanned scrams	1.0	0	0	1.0	0	2.0	0	0
Critical hours	2174.3	2209.0	2160.0	1905.1	1488.0	1908.5	2160.0	2183.0
Indicator value	**1.9**	**1.9**	**1.6**	**1.7**	**0.9**	**2.8**	**2.8**	**1.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Unplanned power changes	1.0	1.0	0	0	0	0	1.0	0
Critical hours	2174.3	2209.0	2160.0	1905.1	1488.0	1908.5	2160.0	2183.0
Indicator value	**1.9**	**2.8**	**2.5**	**1.7**	**0.9**	**0**	**0.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	12.10	8.80	5.20	26.80	4.10	10.40	4.40	7.00
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	102.50	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	5.80	5.60	43.80	6.20	3.70	7.00	11.70	5.50
Unplanned unavailable hours	0	0	0.10	0	0	22.60	25.50	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**1.1%**	**0.9%**	**0.8%**	**0.9%**	**1.0%**	**1.1%**	**1.2%**	**1.2%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	2.21	6.37	13.32	9.04	0.98	2.59	1.27	3.73
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2174.30	2209.00	2160.00	2001.70	1494.77	2124.48	2160.00	2183.00
Train 2								
Planned unavailable hours	0.95	1.86	2.28	2.09	4.07	4.29	3.07	2.79
Unplanned unavailable hours	0	0	0	0	0	0	0	0.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2174.30	2209.00	2160.00	2001.70	1494.77	2124.48	2160.00	2183.00
Indicator value	**1.0%**	**0.9%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.6%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	0	14.02	0	1.50	0.12	1.00	2.27	3.82
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2174.30	2209.00	2160.00	2001.70	1494.77	2124.48	2160.00	2183.00
Train 2								
Planned unavailable hours	0	17.72	0	12.87	0	4.77	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2174.30	2209.00	2160.00	2001.70	1494.77	2124.48	2160.00	2183.00
Train 3								
Planned unavailable hours	0.10	16.90	2.28	11.80	0.55	68.30	0	1.38
Unplanned unavailable hours	0	33.30	10.08	0	0	0	0	5.20
Fault exposure hours	0	0.42	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2174.30	2209.00	2160.00	2001.70	1494.77	2107.08	2160.00	2183.00
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	31.11	18.70	1.72	10.63	0.98	1.75	8.33	17.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2174.30	2209.00	2160.00	2001.70	1494.77	2124.48	2160.00	2183.00
Train 2								
Planned unavailable hours	5.82	41.30	0.65	0.33	1.02	12.11	2.14	1.10
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2174.30	2209.00	2160.00	2001.70	1494.77	2124.48	2160.00	2183.00
Train 3								
Planned unavailable hours	0	0	0	0	0	0.52	0	0
Unplanned unavailable hours	0	0	0	0.60	0	0	0	0
Fault exposure hours	0	0	0	0.80	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	194.12	606.32	75.11	0	0
Train 4								
Planned unavailable hours	0	0	0	0	0	0	0	0

Unplanned unavailable hours	0	0	0	0.60	0	0	0	0
Fault exposure hours	0	0	0	0.80	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	194.12	606.32	76.56	0	0
Indicator value	**1.1%**	**1.1%**	**1.2%**	**1.3%**	**1.3%**	**1.1%**	**1.1%**	**0.9%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	0.000581	0.000609	0.000649	0.000743	0.000654	0.000793	0.000874	0.000739	0.000982	0.000779	0.000917	0.000854
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
Indicator value	**0.3**	**0.3**	**0.3**	**0.4**	**0.3**	**0.4**	**0.4**	**0.4**	**0.5**	**0.4**	**0.9**	**0.9**

Reactor Coolant System Activity	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum activity	0.000918	0.000914	N/A	0.000360	0.000389	0.000376	0.000515	0.000448	0.000433	0.000540	0.000540	0.000570
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.9**	**0.9**	**N/A**	**0.4**	**0.4**	**0.4**	**0.5**	**0.4**	**0.4**	**0.5**	**0.5**	**0.6**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	0.050	0.030	0.020	0.040	0.040	0.040	0.030	0.030	0.030	0.020	0.050	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.5**	**0.3**	**0.2**	**0.4**	**0.4**	**0.4**	**0.3**	**0.3**	**0.3**	**0.2**	**0.5**	**0.3**

Reactor Coolant System Leakage	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum leakage	0.030	0.110	N/A	0.050	0.030	0.050	0.060	0.040	0.050	0.040	0.050	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**1.1**	**N/A**	**0.5**	**0.3**	**0.5**	**0.6**	**0.4**	**0.5**	**0.4**	**0.5**	**0.5**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful opportunities	50.0	46.0	8.0	71.0	38.0	39.0	5.0	29.0
Total opportunities	52.0	47.0	8.0	75.0	39.0	39.0	5.0	34.0
Indicator value	**97.8%**	**97.9%**	**97.9%**	**97.1%**	**97.0%**	**97.2%**	**97.1%**	**95.7%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Participating Key personnel	83.0	85.0	85.0	91.0	102.0	104.0	104.0	105.0
Total Key personnel	83.0	85.0	85.0	91.0	102.0	104.0	104.0	105.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful siren-tests	218	110	110	110	109	218	109	117
Total sirens-tests	220	110	110	110	110	220	110	117
Indicator value	**99.1%**	**99.5%**	**99.6%**	**99.6%**	**99.8%**	**99.5%**	**99.3%**	**99.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
IDS compensatory hours	364.68	373.33	155.00	584.02	108.39	119.85	287.09	420.56
CCTV compensatory hours	0	0	1.6	0	0	7.1	0	6.4
IDS normalization factor	2.85	2.85	2.85	2.82	2.75	2.75	2.75	2.75
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Index Value	**0.019**	**0.020**	**0.020**	**0.030**	**0.025**	**0.020**	**0.023**	**0.020**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Program failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Program Failures	0	0	0	0	0	0	0	1
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**

Licensee Comments:

2Q/02: An FAQ has been submitted to determine if the event reported for May 2002 should be counted.

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: July 31, 2002

Beaver Valley 1

3Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned scrams	0	0	1.0	0	2.0	0	0	0
Critical hours	2209.0	2160.0	1905.1	1488.9	1908.5	2160.0	2183.0	2208.0
Indicator value	**1.9**	**1.6**	**1.7**	**0.9**	**2.8**	**2.8**	**1.8**	**1.7**

Licensee Comments:

3Q/01: Corrected September 2001 data to indicate 0.9 critical hours rather than zero.

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned power changes	1.0	0	0	0	0	1.0	0	0
Critical hours	2209.0	2160.0	1905.1	1488.9	1908.5	2160.0	2183.0	2208.0
Indicator value	**2.8**	**2.5**	**1.7**	**0.9**	**0**	**0.9**	**0.9**	**0.8**

Licensee Comments:

3Q/01: Corrected September 2001 data to indicate 0.9 critical hours rather than zero.

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	8.80	5.20	26.80	4.10	10.40	4.40	7.00	31.10
Unplanned unavailable hours	0	0	0	0	0	0	0	12.10
Fault exposure hours	0	0	0	102.50	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	5.60	43.80	6.20	3.70	7.00	11.70	5.50	19.50
Unplanned unavailable hours	0	0.10	0	0	22.60	25.50	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.9%**	**0.8%**	**0.9%**	**1.0%**	**1.1%**	**1.2%**	**1.2%**	**1.3%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	**4Q/00**	**1Q/01**	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**
Train 1								
Planned unavailable hours	6.37	13.32	9.04	0.98	2.59	1.27	3.73	10.09
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2001.70	1494.77	2124.48	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	1.86	2.28	2.09	4.07	4.29	3.07	2.79	1.35
Unplanned unavailable hours	0	0	0	0	0	0	0.40	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2001.70	1494.77	2124.48	2160.00	2183.00	2208.00
Indicator value	**0.9%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.6%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	14.02	0	1.50	0.12	1.00	2.27	3.82	29.88
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2001.70	1494.77	2124.48	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	17.72	0	12.87	0	4.77	0	0	0.98
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2001.70	1494.77	2124.48	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	16.90	2.28	11.80	0.55	68.30	0	1.38	1.50
Unplanned unavailable hours	33.30	10.08	0	0	0	0	5.20	0
Fault exposure hours	0.42	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2001.70	1494.77	2107.08	2160.00	2183.00	2208.00
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	18.70	1.72	10.63	0.98	1.75	8.33	17.25	1.21
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2001.70	1494.77	2124.48	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	41.30	0.65	0.33	1.02	12.11	2.14	1.10	1.35
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2001.70	1494.77	2124.48	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	0	0	0	0	0.52	0	0	0
Unplanned unavailable hours	0	0	0.60	0	0	0	0	0
Fault exposure hours	0	0	0.80	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	194.12	606.32	75.11	0	0	0
Train 4								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0.60	0	0	0	0	0
Fault exposure hours	0	0	0.80	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	194.12	606.32	76.56	0	0	0
Indicator value	**1.1%**	**1.2%**	**1.3%**	**1.3%**	**1.1%**	**1.1%**	**0.9%**	**0.7%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity	0.000743	0.000654	0.000793	0.000874	0.000739	0.000982	0.000779	0.000917	0.000854	0.000918	0.000914	N/A
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.4**	**0.3**	**0.4**	**0.4**	**0.4**	**0.5**	**0.4**	**0.9**	**0.9**	**0.9**	**0.9**	**N/A**

Reactor Coolant System Activity	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum activity	0.000360	0.000389	0.000376	0.000515	0.000448	0.000433	0.000540	0.000540	0.000570	0.000539	0.000650	0.000606
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.4**	**0.4**	**0.4**	**0.5**	**0.4**	**0.4**	**0.5**	**0.5**	**0.6**	**0.5**	**0.7**	**0.6**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	0.040	0.040	0.040	0.030	0.030	0.030	0.020	0.050	0.030	0.030	0.110	N/A
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.4**	**0.4**	**0.3**	**0.3**	**0.3**	**0.2**	**0.5**	**0.3**	**0.3**	**1.1**	**N/A**

Reactor Coolant System Leakage	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum leakage	0.050	0.030	0.050	0.060	0.040	0.050	0.040	0.050	0.050	0.140	0.060	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.5**	**0.3**	**0.5**	**0.6**	**0.4**	**0.5**	**0.4**	**0.5**	**0.5**	**1.4**	**0.6**	**0.6**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful opportunities	46.0	8.0	71.0	38.0	39.0	5.0	25.0	46.0
Total opportunities	47.0	8.0	75.0	39.0	39.0	5.0	30.0	48.0
Indicator value	**97.9%**	**97.9%**	**97.1%**	**97.0%**	**97.2%**	**97.1%**	**95.6%**	**95.5%**

Licensee Comments:

2Q/02: Corrected May 2002 data (from 15 of 18) to 11 of 14.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Participating Key personnel	85.0	85.0	91.0	102.0	104.0	104.0	105.0	120.0
Total Key personnel	85.0	85.0	91.0	102.0	104.0	104.0	105.0	120.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful siren-tests	110	110	110	109	218	109	117	117
Total sirens-tests	110	110	110	110	220	110	117	117
Indicator value	**99.5%**	**99.6%**	**99.6%**	**99.8%**	**99.5%**	**99.3%**	**99.3%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
IDS compensatory hours	373.33	155.00	584.02	108.39	119.85	287.09	420.56	196.75
CCTV compensatory hours	0	1.6	0	0	7.1	0	6.4	0
IDS normalization factor	2.85	2.85	2.82	2.75	2.75	2.75	2.75	2.75
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Index Value	**0.020**	**0.020**	**0.030**	**0.025**	**0.020**	**0.023**	**0.020**	**0.022**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Program failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Program Failures	0	0	0	0	0	0	1	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: October 22, 2002

Beaver Valley 1

4Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned scrams	0	1.0	0	2.0	0	0	0	1.0
Critical hours	2160.0	1905.1	1488.9	1908.5	2160.0	2183.0	2208.0	1958.1
Indicator value	**1.6**	**1.7**	**0.9**	**2.8**	**2.8**	**1.8**	**1.7**	**0.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2160.0	1905.1	1488.9	1908.5	2160.0	2183.0	2208.0	1958.1
Indicator value	**2.5**	**1.7**	**0.9**	**0**	**0.9**	**0.9**	**0.8**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	5.20	26.80	4.10	10.40	4.40	7.00	31.10	6.20
Unplanned unavailable hours	0	0	0	0	0	0	12.10	0
Fault exposure hours	0	0	102.50	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	43.80	6.20	3.70	7.00	11.70	5.50	19.50	6.40
Unplanned unavailable hours	0.10	0	0	22.60	25.50	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.8%**	**0.9%**	**1.0%**	**1.1%**	**1.2%**	**1.2%**	**1.3%**	**1.2%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	13.32	9.04	0.98	2.59	1.27	3.73	10.09	1.22
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2001.70	1494.77	2124.48	2160.00	2183.00	2208.00	1940.07
Train 2								
Planned unavailable hours	2.28	2.09	4.07	4.29	3.07	2.79	1.35	0.55
Unplanned unavailable hours	0	0	0	0	0	0.40	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2001.70	1494.77	2124.48	2160.00	2183.00	2208.00	1940.07
Indicator value	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.6%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	0	1.50	0.12	1.00	2.27	3.82	29.88	12.15
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2001.70	1494.77	2124.48	2160.00	2183.00	2208.00	1940.07
Train 2								
Planned unavailable hours	0	12.87	0	4.77	0	0	0.98	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2001.70	1494.77	2124.48	2160.00	2183.00	2208.00	1940.07
Train 3								
Planned unavailable hours	2.28	11.80	0.55	68.30	0	1.38	1.50	3.17
Unplanned unavailable hours	10.08	0	0	0	0	5.20	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2001.70	1494.77	2107.08	2160.00	2183.00	2208.00	1940.07
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	1.72	10.63	0.98	1.75	8.33	17.25	1.21	0.27
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2001.70	1494.77	2124.48	2160.00	2183.00	2208.00	2041.33
Train 2								
Planned unavailable hours	0.65	0.33	1.02	12.11	2.14	1.10	1.35	0.30
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2001.70	1494.77	2124.48	2160.00	2183.00	2208.00	2041.33
Train 3								
Planned unavailable hours	0	0	0	0.52	0	0	0	0
Unplanned unavailable hours	0	0.60	0	0	0	0	0	0
Fault exposure hours	0	0.80	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	194.12	606.32	75.11	0	0	0	200.20
Train 4								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0.60	0	0	0	0	0	0
Fault exposure hours	0	0.80	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	194.12	606.32	76.56	0	0	0	200.20
Indicator value	**1.2%**	**1.3%**	**1.3%**	**1.1%**	**1.1%**	**0.9%**	**0.7%**	**0.4%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	0.000874	0.000739	0.000982	0.000779	0.000917	0.000854	0.000918	0.000914	N/A	0.000360	0.000389	0.000376
Technical specification limit	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.4**	**0.4**	**0.5**	**0.4**	**0.9**	**0.9**	**0.9**	**0.9**	**N/A**	**0.4**	**0.4**	**0.4**

Reactor Coolant System Activity	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum activity	0.000515	0.000448	0.000433	0.000540	0.000540	0.000570	0.000539	0.000650	0.000606	0.000642	0.000806	0.000979
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.5**	**0.4**	**0.4**	**0.5**	**0.5**	**0.6**	**0.5**	**0.7**	**0.6**	**0.6**	**0.8**	**1.0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum leakage	0.030	0.030	0.030	0.020	0.050	0.030	0.030	0.110	N/A	0.050	0.030	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.3**	**0.3**	**0.2**	**0.5**	**0.3**	**0.3**	**1.1**	**N/A**	**0.5**	**0.3**	**0.5**

Reactor Coolant System Leakage	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	0.060	0.040	0.050	0.040	0.050	0.050	0.140	0.060	0.060	0.080	0.190	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.4**	**0.5**	**0.4**	**0.5**	**0.5**	**1.4**	**0.6**	**0.6**	**0.8**	**1.9**	**0.8**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful opportunities	8.0	71.0	38.0	39.0	5.0	25.0	46.0	29.0
Total opportunities	8.0	75.0	39.0	39.0	5.0	30.0	48.0	33.0
Indicator value	**97.9%**	**97.1%**	**97.0%**	**97.2%**	**97.1%**	**95.6%**	**95.5%**	**94.2%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Participating Key personnel	85.0	91.0	102.0	104.0	104.0	105.0	120.0	121.0
Total Key personnel	85.0	91.0	102.0	104.0	104.0	105.0	120.0	121.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful siren-tests	110	110	109	218	109	117	117	232
Total sirens-tests	110	110	110	220	110	117	117	234
Indicator value	**99.6%**	**99.6%**	**99.8%**	**99.5%**	**99.3%**	**99.3%**	**99.5%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
IDS compensatory hours	155.00	584.02	108.39	119.85	287.09	420.56	196.75	43.38
CCTV compensatory hours	1.6	0	0	7.1	0	6.4	0	0
IDS normalization factor	2.85	2.82	2.75	2.75	2.75	2.75	2.75	2.75
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Index Value	**0.020**	**0.030**	**0.025**	**0.020**	**0.023**	**0.020**	**0.022**	**0.020**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Program failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Program Failures	0	0	0	0	0	1	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: January 30, 2003

Beaver Valley 1

1Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned scrams	1.0	0	2.0	0	0	0	1.0	1.0
Critical hours	1905.1	1488.9	1908.5	2160.0	2183.0	2208.0	1958.1	1531.5
Indicator value	**1.7**	**0.9**	**2.8**	**2.8**	**1.8**	**1.7**	**0.8**	**1.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Scrams	0	0	0	0	0	0	0	1.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	1905.1	1488.9	1908.5	2160.0	2183.0	2208.0	1958.1	1531.5
Indicator value	**1.7**	**0.9**	**0**	**0.9**	**0.9**	**0.8**	**0.8**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	26.80	4.10	10.40	4.40	7.00	31.10	6.20	13.80
Unplanned unavailable hours	0	0	0	0	0	12.10	0	0
Fault exposure hours	0	102.50	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	6.20	3.70	7.00	11.70	5.50	19.50	6.40	24.90
Unplanned unavailable hours	0	0	22.60	25.50	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.9%**	**1.0%**	**1.1%**	**1.2%**	**1.2%**	**1.3%**	**1.2%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**
Train 1								
Planned unavailable hours	9.04	0.98	2.59	1.27	3.73	10.09	1.22	2.51
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2001.70	1494.77	2124.48	2160.00	2183.00	2208.00	1940.07	1534.70
Train 2								
Planned unavailable hours	2.09	4.07	4.29	3.07	2.79	1.35	0.55	1.26
Unplanned unavailable hours	0	0	0	0	0.40	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2001.70	1494.77	2124.48	2160.00	2183.00	2208.00	1940.07	1534.70
Indicator value	**0.8%**	**0.8%**	**0.7%**	**0.6%**	**0.5%**	**0.5%**	**0.5%**	**0.2%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	1.50	0.12	1.00	2.27	3.82	29.88	12.15	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0.28
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2001.70	1494.77	2124.48	2160.00	2183.00	2208.00	1940.07	1595.60
Train 2								
Planned unavailable hours	12.87	0	4.77	0	0	0.98	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2001.70	1494.77	2124.48	2160.00	2183.00	2208.00	1940.07	1595.60
Train 3								
Planned unavailable hours	11.80	0.55	68.30	0	1.38	1.50	3.17	0
Unplanned unavailable hours	0	0	0	0	5.20	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2001.70	1494.77	2107.08	2160.00	2183.00	2208.00	1940.07	1595.60
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	10.63	0.98	1.75	8.33	17.25	1.21	0.27	1.63
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2001.70	1494.77	2124.48	2160.00	2183.00	2208.00	2041.33	1587.60
Train 2								
Planned unavailable hours	0.33	1.02	12.11	2.14	1.10	1.35	0.30	0.64
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2001.70	1494.77	2124.48	2160.00	2183.00	2208.00	2041.33	1587.60
Train 3								
Planned unavailable hours	0	0	0.52	0	0	0	0	0
Unplanned unavailable hours	0.60	0	0	0	0	0	0	0
Fault exposure hours	0.80	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	194.12	606.32	75.11	0	0	0	200.20	263.10
Train 4								
Planned unavailable hours	0	0	0	0	0	0	0	0

Unplanned unavailable hours	0.60	0	0	0	0	0	0	0
Fault exposure hours	0.80	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	194.12	606.32	76.56	0	0	0	200.20	263.10
Indicator value	**1.3%**	**1.3%**	**1.1%**	**1.1%**	**0.9%**	**0.7%**	**0.4%**	**0.2%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum activity	0.000779	0.000917	0.000854	0.000918	0.000914	N/A	0.000360	0.000389	0.000376	0.000515	0.000448	0.000433
Technical specification limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.4**	**0.9**	**0.9**	**0.9**	**0.9**	**N/A**	**0.4**	**0.4**	**0.4**	**0.5**	**0.4**	**0.4**

Reactor Coolant System Activity	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum activity	0.000540	0.000540	0.000570	0.000539	0.000650	0.000606	0.000642	0.000806	0.000979	0.000705	0.000687	0.000509
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.5**	**0.5**	**0.6**	**0.5**	**0.7**	**0.6**	**0.6**	**0.8**	**1.0**	**0.7**	**0.7**	**0.5**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum leakage	0.020	0.050	0.030	0.030	0.110	N/A	0.050	0.030	0.050	0.060	0.040	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.5**	**0.3**	**0.3**	**1.1**	**N/A**	**0.5**	**0.3**	**0.5**	**0.6**	**0.4**	**0.5**

Reactor Coolant System Leakage	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum leakage	0.040	0.050	0.050	0.140	0.060	0.060	0.080	0.190	0.080	0.081	0.230	0.360
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.5**	**0.5**	**1.4**	**0.6**	**0.6**	**0.8**	**1.9**	**0.8**	**0.8**	**2.3**	**3.6**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful opportunities	71.0	38.0	39.0	5.0	25.0	46.0	29.0	2.0
Total opportunities	75.0	39.0	39.0	5.0	30.0	48.0	33.0	2.0
Indicator value	**97.1%**	**97.0%**	**97.2%**	**97.1%**	**95.6%**	**95.5%**	**94.2%**	**94.1%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Participating Key personnel	91.0	102.0	104.0	104.0	105.0	120.0	121.0	122.0
Total Key personnel	91.0	102.0	104.0	104.0	105.0	120.0	121.0	131.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**93.1%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful siren-tests	110	109	218	109	117	117	232	116
Total sirens-tests	110	110	220	110	117	117	234	117
Indicator value	**99.6%**	**99.8%**	**99.5%**	**99.3%**	**99.3%**	**99.5%**	**99.5%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
IDS compensatory hours	584.02	108.39	119.85	287.09	420.56	196.75	43.38	134.68
CCTV compensatory hours	0	0	7.1	0	6.4	0	0	0.5
IDS normalization factor	2.82	2.75	2.75	2.75	2.75	2.75	2.75	2.35
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.7
Index Value	**0.030**	**0.025**	**0.020**	**0.023**	**0.020**	**0.022**	**0.020**	**0.020**

Licensee Comments:

1Q/03: Normalization factors changed after January 2003. so averages were used for this quarter. {IDS from 2.75 to 2.15; CCTV from 1.5 to 1.8}

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Program failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Program Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

2Q/02: An FAQ has been submitted to determine if the event reported for May 2002 should be counted. FAQ 336 determined that this event should not be counted, therefore the value for May 2002 was changed to zero.

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: April 22, 2003

Beaver Valley 1

2Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned scrams	0	2.0	0	0	0	1.0	1.0	0
Critical hours	1488.9	1908.5	2160.0	2183.0	2208.0	1958.1	1531.5	1511.0
Indicator value	**0.9**	**2.8**	**2.8**	**1.8**	**1.7**	**0.8**	**1.8**	**1.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Scrams	0	0	0	0	0	0	1.0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1.0**	**1.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	1488.9	1908.5	2160.0	2183.0	2208.0	1958.1	1531.5	1511.0
Indicator value	**0.9**	**0**	**0.9**	**0.9**	**0.8**	**0.8**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	4.10	10.40	4.40	7.00	31.10	6.20	13.80	4.90
Unplanned unavailable hours	0	0	0	0	12.10	0	0	0
Fault exposure hours	102.50	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	3.70	7.00	11.70	5.50	19.50	6.40	24.90	27.10
Unplanned unavailable hours	0	22.60	25.50	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**1.0%**	**1.1%**	**1.2%**	**1.2%**	**1.3%**	**1.2%**	**0.9%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**
Train 1								
Planned unavailable hours	0.98	2.59	1.27	3.73	10.09	1.22	2.51	1.39
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1494.77	2124.48	2160.00	2183.00	2208.00	1940.07	1534.70	1599.60
Train 2								
Planned unavailable hours	4.07	4.29	3.07	2.79	1.35	0.55	1.26	25.47
Unplanned unavailable hours	0	0	0	0.40	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1494.77	2124.48	2160.00	2183.00	2208.00	1940.07	1534.70	1599.60
Indicator value	**0.8%**	**0.7%**	**0.6%**	**0.5%**	**0.5%**	**0.5%**	**0.2%**	**0.2%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	0.12	1.00	2.27	3.82	29.88	12.15	0	6.92
Unplanned unavailable hours	0	0	0	0	0	0	0.28	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1494.77	2124.48	2160.00	2183.00	2208.00	1940.07	1595.60	1599.60
Train 2								
Planned unavailable hours	0	4.77	0	0	0.98	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1494.77	2124.48	2160.00	2183.00	2208.00	1940.07	1595.60	1599.60
Train 3								
Planned unavailable hours	0.55	68.30	0	1.38	1.50	3.17	0	35.15
Unplanned unavailable hours	0	0	0	5.20	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1494.77	2107.08	2160.00	2183.00	2208.00	1940.07	1595.60	1599.60
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	0.98	1.75	8.33	17.25	1.21	0.27	1.63	29.77
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1494.77	2124.48	2160.00	2183.00	2208.00	2041.33	1587.60	1601.70
Train 2								
Planned unavailable hours	1.02	12.11	2.14	1.10	1.35	0.30	0.64	32.21
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1494.77	2124.48	2160.00	2183.00	2208.00	2041.33	1587.60	1601.70
Train 3								
Planned unavailable hours	0	0.52	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	606.32	75.11	0	0	0	200.20	263.10	455.10
Train 4								
Planned unavailable hours	0	0	0	0	0	0	0	2.13

Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	606.32	76.56	0	0	0	200.20	263.10	455.10
Indicator value	**1.3%**	**1.1%**	**1.1%**	**0.9%**	**0.7%**	**0.4%**	**0.2%**	**0.3%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum activity	0.000918	0.000914	N/A	0.000360	0.000389	0.000376	0.000515	0.000448	0.000433	0.000540	0.000540	0.000570
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.9**	**0.9**	**N/A**	**0.4**	**0.4**	**0.4**	**0.5**	**0.4**	**0.4**	**0.5**	**0.5**	**0.6**

Reactor Coolant System Activity	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum activity	0.000539	0.000650	0.000606	0.000642	0.000806	0.000979	0.000705	0.000687	0.000509	N/A	0.000529	0.000450
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.5**	**0.7**	**0.6**	**0.6**	**0.8**	**1.0**	**0.7**	**0.7**	**0.5**	**N/A**	**0.5**	**0.5**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum leakage	0.030	0.110	N/A	0.050	0.030	0.050	0.060	0.040	0.050	0.040	0.050	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**1.1**	**N/A**	**0.5**	**0.3**	**0.5**	**0.6**	**0.4**	**0.5**	**0.4**	**0.5**	**0.5**

Reactor Coolant System Leakage	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum leakage	0.140	0.060	0.060	0.080	0.190	0.080	0.081	0.230	0.360	0.050	0.040	0.044
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.4**	**0.6**	**0.6**	**0.8**	**1.9**	**0.8**	**0.8**	**2.3**	**3.6**	**0.5**	**0.4**	**0.4**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful opportunities	38.0	39.0	5.0	25.0	46.0	29.0	2.0	15.0
Total opportunities	39.0	39.0	5.0	30.0	48.0	33.0	2.0	16.0
Indicator value	**97.0%**	**97.2%**	**97.1%**	**95.6%**	**95.5%**	**94.2%**	**94.1%**	**93.9%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Participating Key personnel	102.0	104.0	104.0	105.0	120.0	121.0	122.0	123.0
Total Key personnel	102.0	104.0	104.0	105.0	120.0	121.0	131.0	131.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**93.1%**	**93.9%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful siren-tests	109	218	109	117	117	232	116	117
Total sirens-tests	110	220	110	117	117	234	117	117
Indicator value	**99.8%**	**99.5%**	**99.3%**	**99.3%**	**99.5%**	**99.5%**	**99.5%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
High radiation area occurrences	0	0	0	0	0	0	0	1
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
IDS compensatory hours	108.39	119.85	287.09	420.56	196.75	43.38	134.68	75.53
CCTV compensatory hours	0	7.1	0	6.4	0	0	0.5	3.1
IDS normalization factor	2.75	2.75	2.75	2.75	2.75	2.75	2.35	2.15
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.5	1.7	1.8
Index Value	**0.025**	**0.020**	**0.023**	**0.020**	**0.022**	**0.020**	**0.020**	**0.012**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Program failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Program Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: July 22, 2003

Beaver Valley 1

3Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned scrams	2.0	0	0	0	1.0	1.0	0	0
Critical hours	1908.5	2160.0	2183.0	2208.0	1958.1	1531.5	1511.0	2208.0
Indicator value	**2.8**	**2.8**	**1.8**	**1.7**	**0.8**	**1.8**	**1.9**	**1.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Scrams	0	0	0	0	0	1.0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	1908.5	2160.0	2183.0	2208.0	1958.1	1531.5	1511.0	2208.0
Indicator value	**0**	**0.9**	**0.9**	**0.8**	**0.8**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	10.40	4.40	7.00	31.10	6.20	13.80	4.90	6.00
Unplanned unavailable hours	0	0	0	12.10	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	7.00	11.70	5.50	19.50	6.40	24.90	27.10	6.00
Unplanned unavailable hours	22.60	25.50	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**1.1%**	**1.2%**	**1.2%**	**1.3%**	**1.2%**	**0.9%**	**0.9%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**
Train 1								
Planned unavailable hours	2.59	1.27	3.73	10.09	1.22	2.51	1.39	1.45
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2124.48	2160.00	2183.00	2208.00	1940.07	1534.70	1599.60	2208.00
Train 2								
Planned unavailable hours	4.29	3.07	2.79	1.35	0.55	1.26	25.47	3.00
Unplanned unavailable hours	0	0	0.40	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2124.48	2160.00	2183.00	2208.00	1940.07	1534.70	1599.60	2208.00
Indicator value	**0.7%**	**0.6%**	**0.5%**	**0.5%**	**0.5%**	**0.2%**	**0.2%**	**0.2%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	1.00	2.27	3.82	29.88	12.15	0	6.92	0
Unplanned unavailable hours	0	0	0	0	0	0.28	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2124.48	2160.00	2183.00	2208.00	1940.07	1595.60	1599.60	2208.00
Train 2								
Planned unavailable hours	4.77	0	0	0.98	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2124.48	2160.00	2183.00	2208.00	1940.07	1595.60	1599.60	2208.00
Train 3								
Planned unavailable hours	68.30	0	1.38	1.50	3.17	0	35.15	2.73
Unplanned unavailable hours	0	0	5.20	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2107.08	2160.00	2183.00	2208.00	1940.07	1595.60	1599.60	2208.00
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	1.75	8.33	17.25	1.21	0.27	1.63	29.77	13.47
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2124.48	2160.00	2183.00	2208.00	2041.33	1587.60	1601.70	2208.00
Train 2								
Planned unavailable hours	12.11	2.14	1.10	1.35	0.30	0.64	32.21	14.08
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2124.48	2160.00	2183.00	2208.00	2041.33	1587.60	1601.70	2208.00
Train 3								
Planned unavailable hours	0.52	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	75.11	0	0	0	200.20	263.10	455.10	0
Train 4								
Planned unavailable hours	0	0	0	0	0	0	2.13	0

Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	76.56	0	0	0	200.20	263.10	455.10	0
Indicator value	**1.1%**	**1.1%**	**0.9%**	**0.7%**	**0.4%**	**0.2%**	**0.3%**	**0.3%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum activity	0.000360	0.000389	0.000376	0.000515	0.000448	0.000433	0.000540	0.000540	0.000570	0.000539	0.000650	0.000606
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.4**	**0.4**	**0.4**	**0.5**	**0.4**	**0.4**	**0.5**	**0.5**	**0.6**	**0.5**	**0.7**	**0.6**

Reactor Coolant System Activity	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum activity	0.000642	0.000806	0.000979	0.000705	0.000687	0.000509	N/A	0.000529	0.000450	0.000488	0.000497	0.000526
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.6**	**0.8**	**1.0**	**0.7**	**0.7**	**0.5**	**N/A**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum leakage	0.050	0.030	0.050	0.060	0.040	0.050	0.040	0.050	0.050	0.140	0.060	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.5**	**0.3**	**0.5**	**0.6**	**0.4**	**0.5**	**0.4**	**0.5**	**0.5**	**1.4**	**0.6**	**0.6**

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	0.080	0.190	0.080	0.081	0.230	0.360	0.050	0.040	0.044	0.040	0.030	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.8**	**1.9**	**0.8**	**0.8**	**2.3**	**3.6**	**0.5**	**0.4**	**0.4**	**0.4**	**0.3**	**0.4**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful opportunities	39.0	5.0	25.0	46.0	29.0	2.0	15.0	14.0
Total opportunities	39.0	5.0	30.0	48.0	33.0	2.0	16.0	16.0
Indicator value	**97.2%**	**97.1%**	**95.6%**	**95.5%**	**94.2%**	**94.1%**	**93.9%**	**92.6%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Participating Key personnel	104.0	104.0	105.0	120.0	121.0	122.0	123.0	122.0
Total Key personnel	104.0	104.0	105.0	120.0	121.0	131.0	131.0	127.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**93.1%**	**93.9%**	**96.1%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful siren-tests	218	109	117	117	232	116	117	238
Total sirens-tests	220	110	117	117	234	117	117	238
Indicator value	**99.5%**	**99.3%**	**99.3%**	**99.5%**	**99.5%**	**99.5%**	**99.5%**	**99.6%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
High radiation area occurrences	0	0	0	0	0	0	1	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
IDS compensatory hours	119.85	287.09	420.56	196.75	43.38	134.68	75.53	95.44
CCTV compensatory hours	7.1	0	6.4	0	0	0.5	3.1	0
IDS normalization factor	2.75	2.75	2.75	2.75	2.75	2.35	2.15	2.15
CCTV normalization factor	1.5	1.5	1.5	1.5	1.5	1.7	1.8	1.8
Index Value	**0.020**	**0.023**	**0.020**	**0.022**	**0.020**	**0.020**	**0.012**	**0.009**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Program failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Program Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: October 22, 2003

Beaver Valley 1

4Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned scrams	0	0	0	1.0	1.0	0	0	1.0
Critical hours	2160.0	2183.0	2208.0	1958.1	1531.5	1511.0	2208.0	2185.3
Indicator value	**2.8**	**1.8**	**1.7**	**0.8**	**1.8**	**1.9**	**1.9**	**1.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Scrams	0	0	0	0	1.0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**1.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	1958.1	1531.5	1511.0	2208.0	2185.3
Indicator value	**0.9**	**0.9**	**0.8**	**0.8**	**0**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	4.40	7.00	31.10	6.20	13.80	4.90	6.00	4.70
Unplanned unavailable hours	0	0	12.10	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	11.70	5.50	19.50	6.40	24.90	27.10	6.00	5.10
Unplanned unavailable hours	25.50	0	0	0	0	0	0	7.20
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**1.2%**	**1.2%**	**1.3%**	**1.2%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**	**4Q/03**
Train 1								
Planned unavailable hours	1.27	3.73	10.09	1.22	2.51	1.39	1.45	1.04
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	1940.07	1534.70	1599.60	2208.00	2209.00
Train 2								
Planned unavailable hours	3.07	2.79	1.35	0.55	1.26	25.47	3.00	1.25
Unplanned unavailable hours	0	0.40	0	0	0	0	0	0.62
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	1940.07	1534.70	1599.60	2208.00	2209.00
Indicator value	**0.6%**	**0.5%**	**0.5%**	**0.5%**	**0.2%**	**0.2%**	**0.2%**	**0.2%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	2.27	3.82	29.88	12.15	0	6.92	0	9.55
Unplanned unavailable hours	0	0	0	0	0.28	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	1940.07	1595.60	1599.60	2208.00	2209.00
Train 2								
Planned unavailable hours	0	0	0.98	0	0	0	0	5.88
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	1940.07	1595.60	1599.60	2208.00	2209.00
Train 3								
Planned unavailable hours	0	1.38	1.50	3.17	0	35.15	2.73	8.85
Unplanned unavailable hours	0	5.20	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	1940.07	1595.60	1599.60	2208.00	2209.00
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.3%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	8.33	17.25	1.21	0.27	1.63	29.77	13.47	0.68
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2041.33	1587.60	1601.70	2208.00	2209.00
Train 2								
Planned unavailable hours	2.14	1.10	1.35	0.30	0.64	32.21	14.08	0.52
Unplanned unavailable hours	0	0	0	0	0	0	0	0.62
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2041.33	1587.60	1601.70	2208.00	2209.00
Train 3								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	200.20	263.10	455.10	0	0
Train 4								
Planned unavailable hours	0	0	0	0	0	2.13	0	0

Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	200.20	263.10	455.10	0	0
Indicator value	**1.1%**	**0.9%**	**0.7%**	**0.4%**	**0.2%**	**0.3%**	**0.3%**	**0.2%**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**	**4Q/03**
Safety System Functional Failures	0	0	0	0	0	0	0	1
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/02**	**2/02**	**3/02**	**4/02**	**5/02**	**6/02**	**7/02**	**8/02**	**9/02**	**10/02**	**11/02**	**12/02**
Maximum activity	0.000515	0.000448	0.000433	0.000540	0.000540	0.000570	0.000539	0.000650	0.000606	0.000642	0.000806	0.000979
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.5**	**0.4**	**0.4**	**0.5**	**0.5**	**0.6**	**0.5**	**0.7**	**0.6**	**0.6**	**0.8**	**1.0**

Reactor Coolant System Activity	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**
Maximum activity	0.000705	0.000687	0.000509	N/A	0.000529	0.000450	0.000488	0.000497	0.000526	0.000688	0.000592	0.000575
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.7**	**0.7**	**0.5**	**N/A**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.7**	**0.6**	**0.6**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	0.060	0.040	0.050	0.040	0.050	0.050	0.140	0.060	0.060	0.080	0.190	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.6**	**0.4**	**0.5**	**0.4**	**0.5**	**0.5**	**1.4**	**0.6**	**0.6**	**0.8**	**1.9**	**0.8**

Reactor Coolant System Leakage	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum leakage	0.081	0.230	0.360	0.050	0.040	0.044	0.040	0.030	0.040	0.040	0.040	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.8**	**2.3**	**3.6**	**0.5**	**0.4**	**0.4**	**0.4**	**0.3**	**0.4**	**0.4**	**0.4**	**0.6**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful opportunities	5.0	25.0	46.0	29.0	2.0	15.0	14.0	47.0
Total opportunities	5.0	30.0	48.0	33.0	2.0	16.0	16.0	47.0
Indicator value	**97.1%**	**95.6%**	**95.5%**	**94.2%**	**94.1%**	**93.9%**	**92.6%**	**92.9%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Participating Key personnel	104.0	105.0	120.0	121.0	122.0	123.0	122.0	123.0
Total Key personnel	104.0	105.0	120.0	121.0	131.0	131.0	127.0	125.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**93.1%**	**93.9%**	**96.1%**	**98.4%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful siren-tests	109	117	117	232	116	117	238	117
Total sirens-tests	110	117	117	234	117	117	238	119
Indicator value	**99.3%**	**99.3%**	**99.5%**	**99.5%**	**99.5%**	**99.5%**	**99.6%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
High radiation area occurrences	0	0	0	0	0	1	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
IDS compensatory hours	287.09	420.56	196.75	43.38	134.68	75.53	95.44	11.90
CCTV compensatory hours	0	6.4	0	0	0.5	3.1	0	3.6
IDS normalization factor	2.75	2.75	2.75	2.75	2.35	2.15	2.15	2.15
CCTV normalization factor	1.5	1.5	1.5	1.5	1.7	1.8	1.8	1.8
Index Value	**0.023**	**0.020**	**0.022**	**0.020**	**0.020**	**0.012**	**0.009**	**0.009**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Program failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Program Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: January 23, 2004

Beaver Valley 1

1Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Unplanned scrams	0	0	1.0	1.0	0	0	1.0	0
Critical hours	2183.0	2208.0	1958.1	1531.5	1511.0	2208.0	2185.3	2184.0
Indicator value	**1.8**	**1.7**	**0.8**	**1.8**	**1.9**	**1.9**	**1.9**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Scrams	0	0	0	1.0	0	0	0	0
Indicator value	**0**	**0**	**0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2183.0	2208.0	1958.1	1531.5	1511.0	2208.0	2185.3	2184.0
Indicator value	**0.9**	**0.8**	**0.8**	**0**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	7.00	31.10	6.20	13.80	4.90	6.00	4.70	11.50
Unplanned unavailable hours	0	12.10	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	5.50	19.50	6.40	24.90	27.10	6.00	5.10	8.00
Unplanned unavailable hours	0	0	0	0	0	0	7.20	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**1.2%**	**1.3%**	**1.2%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.8%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	3.73	10.09	1.22	2.51	1.39	1.45	1.04	5.19
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1940.07	1534.70	1599.60	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	2.79	1.35	0.55	1.26	25.47	3.00	1.25	7.84
Unplanned unavailable hours	0.40	0	0	0	0	0	0.62	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1940.07	1534.70	1599.60	2208.00	2209.00	2184.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.2%**	**0.2%**	**0.2%**	**0.2%**	**0.2%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	3.82	29.88	12.15	0	6.92	0	9.55	1.65
Unplanned unavailable hours	0	0	0	0.28	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1940.07	1595.60	1599.60	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	0	0.98	0	13.33	0	0	5.88	18.37
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1940.07	1595.60	1599.60	2208.00	2209.00	2184.00
Train 3								
Planned unavailable hours	1.38	1.50	3.17	0	35.15	2.73	8.85	0.25
Unplanned unavailable hours	5.20	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1940.07	1595.60	1599.60	2208.00	2209.00	2184.00
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	17.25	1.21	0.27	1.63	29.77	13.47	0.68	4.84
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2041.33	1587.60	1601.70	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	1.10	1.35	0.30	0.64	32.21	14.08	0.52	7.84
Unplanned unavailable hours	0	0	0	0	0	0	0.62	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2041.33	1587.60	1601.70	2208.00	2209.00	2184.00
Train 3								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	200.20	263.10	455.10	0	0	0
Train 4								
Planned unavailable hours	0	0	0	0	2.13	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	200.20	263.10	455.10	0	0	0
Indicator value	**0.9%**	**0.7%**	**0.4%**	**0.2%**	**0.3%**	**0.3%**	**0.2%**	**0.2%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Safety System Functional Failures	0	0	0	0	0	0	1	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/02**	**5/02**	**6/02**	**7/02**	**8/02**	**9/02**	**10/02**	**11/02**	**12/02**	**1/03**	**2/03**	**3/03**
Maximum activity	0.000540	0.000540	0.000570	0.000539	0.000650	0.000606	0.000642	0.000806	0.000979	0.000705	0.000687	0.000509
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.5**	**0.5**	**0.6**	**0.5**	**0.7**	**0.6**	**0.6**	**0.8**	**1.0**	**0.7**	**0.7**	**0.5**

Reactor Coolant System Activity	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**
Maximum activity	N/A	0.000529	0.000450	0.000488	0.000497	0.000526	0.000688	0.000592	0.000575	0.000807	0.000741	0.000719
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**N/A**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.7**	**0.6**	**0.6**	**0.8**	**0.7**	**0.7**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/02**	**5/02**	**6/02**	**7/02**	**8/02**	**9/02**	**10/02**	**11/02**	**12/02**	**1/03**	**2/03**	**3/03**
Maximum leakage	0.040	0.050	0.050	0.140	0.060	0.060	0.080	0.190	0.080	0.081	0.230	0.360
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.5**	**0.5**	**1.4**	**0.6**	**0.6**	**0.8**	**1.9**	**0.8**	**0.8**	**2.3**	**3.6**

Reactor Coolant System Leakage	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**
Maximum leakage	0.050	0.040	0.044	0.040	0.030	0.040	0.040	0.040	0.060	0.040	0.020	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.5**	**0.4**	**0.4**	**0.4**	**0.3**	**0.4**	**0.4**	**0.4**	**0.6**	**0.4**	**0.2**	**0.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Successful opportunities	25.0	46.0	29.0	2.0	15.0	14.0	47.0	20.0
Total opportunities	30.0	48.0	33.0	2.0	16.0	16.0	47.0	20.0
Indicator value	**95.6%**	**95.5%**	**94.2%**	**94.1%**	**93.9%**	**92.6%**	**92.9%**	**93.4%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Participating Key personnel	105.0	120.0	121.0	122.0	123.0	122.0	123.0	123.0
Total Key personnel	105.0	120.0	121.0	131.0	131.0	127.0	125.0	124.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**93.1%**	**93.9%**	**96.1%**	**98.4%**	**99.2%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Successful siren-tests	117	117	232	116	117	238	117	117
Total sirens-tests	117	117	234	117	117	238	119	119
Indicator value	**99.3%**	**99.5%**	**99.5%**	**99.5%**	**99.5%**	**99.6%**	**99.5%**	**99.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
High radiation area occurrences	0	0	0	0	1	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
IDS compensatory hours	420.56	196.75	43.38	134.68	75.53	95.44	11.90	76.88
CCTV compensatory hours	6.4	0	0	0.5	3.1	0	3.6	18.4
IDS normalization factor	2.75	2.75	2.75	2.35	2.15	2.15	2.15	2.15
CCTV normalization factor	1.5	1.5	1.5	1.7	1.8	1.8	1.8	1.8
Index Value	**0.020**	**0.022**	**0.020**	**0.020**	**0.012**	**0.009**	**0.009**	**0.008**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Program failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Program Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: April 22, 2004

Beaver Valley 1

2Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned scrams	0	1.0	1.0	0	0	1.0	0	0
Critical hours	2208.0	1958.1	1531.5	1511.0	2208.0	2185.3	2184.0	2183.0
Indicator value	**1.7**	**0.8**	**1.8**	**1.9**	**1.9**	**1.9**	**0.9**	**0.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Scrams	0	0	1.0	0	0	0	0	0
Indicator value	**0**	**0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2208.0	1958.1	1531.5	1511.0	2208.0	2185.3	2184.0	2183.0
Indicator value	**0.8**	**0.8**	**0**	**0**	**0**	**0**	**0.9**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	31.10	6.20	13.80	4.90	6.00	4.70	11.50	14.10
Unplanned unavailable hours	12.10	0	0	0	0	0	0	2.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	19.50	6.40	24.90	27.10	6.00	5.10	8.00	9.70
Unplanned unavailable hours	0	0	0	0	0	7.20	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**1.3%**	**1.2%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.8%**	**0.8%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	10.09	1.22	2.51	1.39	1.45	1.04	5.57	8.37
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1940.07	1534.70	1599.60	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	1.35	0.55	1.26	25.47	3.00	1.25	7.84	9.51
Unplanned unavailable hours	0	0	0	0	0	0.62	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1940.07	1534.70	1599.60	2208.00	2209.00	2184.00	2183.00
Indicator value	**0.5%**	**0.5%**	**0.2%**	**0.2%**	**0.2%**	**0.2%**	**0.2%**	**0.2%**

Licensee Comments:

1Q/04: Data error correction- 0.38 hours added to the Train 1, Planned Unavailable Hours for January 2004.

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	29.88	12.15	0	6.92	0	9.55	1.65	1.47
Unplanned unavailable hours	0	0	0.28	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1940.07	1595.60	1599.60	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	0.98	0	13.33	0	0	5.88	18.37	3.11
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1940.07	1595.60	1599.60	2208.00	2209.00	2184.00	2183.00
Train 3								
Planned unavailable hours	1.50	3.17	0	35.15	2.73	8.85	0.25	0.30
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1940.07	1595.60	1599.60	2208.00	2209.00	2184.00	2183.00
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.3%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	1.21	0.27	1.63	29.77	13.47	0.68	5.22	14.65
Unplanned unavailable hours	0	0	0	0	0	0	0	41.23
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2041.33	1587.60	1601.70	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	1.35	0.30	0.64	32.21	14.08	0.52	7.84	24.36
Unplanned unavailable hours	0	0	0	0	0	0.62	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2041.33	1587.60	1601.70	2208.00	2209.00	2184.00	2183.00
Train 3								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	200.20	263.10	455.10	0	0	0	0
Train 4								
Planned unavailable hours	0	0	0	2.13	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	200.20	263.10	455.10	0	0	0	0
Indicator value	**0.7%**	**0.4%**	**0.2%**	**0.3%**	**0.3%**	**0.2%**	**0.2%**	**0.3%**

Licensee Comments:

1Q/04: Data error correction- 0.38 hours added to the Train 1, Planned Unavailable Hours for January 2004.

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Safety System Functional Failures	0	0	0	0	0	1	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum activity	0.000539	0.000650	0.000606	0.000642	0.000806	0.000979	0.000705	0.000687	0.000509	N/A	0.000529	0.000450
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.5**	**0.7**	**0.6**	**0.6**	**0.8**	**1.0**	**0.7**	**0.7**	**0.5**	**N/A**	**0.5**	**0.5**

Reactor Coolant System Activity	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum activity	0.000488	0.000497	0.000526	0.000688	0.000592	0.000575	0.000807	0.000741	0.000719	0.000796	0.000801	0.000770
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.5**	**0.5**	**0.5**	**0.7**	**0.6**	**0.6**	**0.8**	**0.7**	**0.7**	**0.8**	**0.8**	**0.8**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum leakage	0.140	0.060	0.060	0.080	0.190	0.080	0.081	0.230	0.360	0.050	0.040	0.044
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.4**	**0.6**	**0.6**	**0.8**	**1.9**	**0.8**	**0.8**	**2.3**	**3.6**	**0.5**	**0.4**	**0.4**

Reactor Coolant System Leakage	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum leakage	0.040	0.030	0.040	0.040	0.040	0.060	0.040	0.020	0.020	0.030	0.020	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.3**	**0.4**	**0.4**	**0.4**	**0.6**	**0.4**	**0.2**	**0.2**	**0.3**	**0.2**	**0.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful opportunities	46.0	29.0	2.0	15.0	14.0	47.0	20.0	39.0
Total opportunities	48.0	33.0	2.0	16.0	16.0	47.0	20.0	43.0
Indicator value	**95.5%**	**94.2%**	**94.1%**	**93.9%**	**92.6%**	**92.9%**	**93.4%**	**94.2%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Participating Key personnel	120.0	121.0	122.0	123.0	122.0	123.0	123.0	121.0
Total Key personnel	120.0	121.0	131.0	131.0	127.0	125.0	124.0	122.0
Indicator value	**100.0%**	**100.0%**	**93.1%**	**93.9%**	**96.1%**	**98.4%**	**99.2%**	**99.2%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful siren-tests	117	232	116	117	238	117	117	118
Total sirens-tests	117	234	117	117	238	119	119	119
Indicator value	**99.5%**	**99.5%**	**99.5%**	**99.5%**	**99.6%**	**99.5%**	**99.3%**	**99.2%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
High radiation area occurrences	0	0	0	1	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Beaver Valley 1

3Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned scrams	1.0	1.0	0	0	1.0	0	0	0
Critical hours	1958.1	1531.5	1511.0	2208.0	2185.3	2184.0	2183.0	2208.0
Indicator value	**0.8**	**1.8**	**1.9**	**1.9**	**1.9**	**0.9**	**0.8**	**0.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Scrams	0	1.0	0	0	0	0	0	0
Indicator value	**0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	1958.1	1531.5	1511.0	2208.0	2185.3	2184.0	2183.0	2208.0
Indicator value	**0.8**	**0**	**0**	**0**	**0**	**0.9**	**0.8**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	6.20	13.80	4.90	6.00	4.70	11.50	14.10	63.20
Unplanned unavailable hours	0	0	0	0	0	0	2.10	4.50
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	6.40	24.90	27.10	6.00	5.10	8.00	9.70	12.90
Unplanned unavailable hours	0	0	0	0	7.20	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**1.2%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.8%**	**0.8%**	**0.8%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	1.22	2.51	1.39	1.45	1.04	5.57	8.37	6.50
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1940.07	1534.70	1599.60	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0.55	1.26	25.47	3.00	1.25	7.84	9.51	15.65
Unplanned unavailable hours	0	0	0	0	0.62	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1940.07	1534.70	1599.60	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**0.5%**	**0.2%**	**0.2%**	**0.2%**	**0.2%**	**0.2%**	**0.2%**	**0.2%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	12.15	0	6.92	0	9.55	1.65	1.47	3.78
Unplanned unavailable hours	0	0.28	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1940.07	1595.60	1599.60	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0	13.33	0	0	5.88	18.37	3.11	6.44
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1940.07	1595.60	1599.60	2208.00	2209.00	2184.00	2183.00	2208.00
Train 3								
Planned unavailable hours	3.17	0	35.15	2.73	8.85	0.25	0.30	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1940.07	1595.60	1599.60	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.3%**	**0.3%**

Licensee Comments:

3Q/04: 23.5 Hours of Unplanned Unavailable time for Train 3 is being evaluated per the FAQ process for the month of September.

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	0.27	1.63	29.77	13.47	0.68	5.22	14.65	4.96
Unplanned unavailable hours	0	0	0	0	0	0	41.23	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2041.33	1587.60	1601.70	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0.30	0.64	32.21	14.08	0.52	7.84	24.36	35.01
Unplanned unavailable hours	0	0	0	0	0.62	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2041.33	1587.60	1601.70	2208.00	2209.00	2184.00	2183.00	2208.00
Train 3								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	200.20	263.10	455.10	0	0	0	0	0
Train 4								
Planned unavailable hours	0	0	2.13	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	200.20	263.10	455.10	0	0	0	0	0

Indicator value	**0.4%**	**0.2%**	**0.3%**	**0.3%**	**0.2%**	**0.2%**	**0.3%**	**0.3%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**	**4Q/03**	**1Q/04**	**2Q/04**	**3Q/04**
Safety System Functional Failures	0	0	0	0	1	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/02**	**11/02**	**12/02**	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**
Maximum activity	0.000642	0.000806	0.000979	0.000705	0.000687	0.000509	N/A	0.000529	0.000450	0.000488	0.000497	0.000526
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.6**	**0.8**	**1.0**	**0.7**	**0.7**	**0.5**	**N/A**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**

Reactor Coolant System Activity	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**
Maximum activity	0.000688	0.000592	0.000575	0.000807	0.000741	0.000719	0.000796	0.000801	0.000770	0.000777	0.000889	0.000869
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.7**	**0.6**	**0.6**	**0.8**	**0.7**	**0.7**	**0.8**	**0.8**	**0.8**	**0.8**	**0.9**	**0.9**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	0.080	0.190	0.080	0.081	0.230	0.360	0.050	0.040	0.044	0.040	0.030	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.8**	**1.9**	**0.8**	**0.8**	**2.3**	**3.6**	**0.5**	**0.4**	**0.4**	**0.4**	**0.3**	**0.4**

Reactor Coolant System Leakage	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	0.040	0.040	0.060	0.040	0.020	0.020	0.030	0.020	0.020	0.030	0.040	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.4**	**0.6**	**0.4**	**0.2**	**0.2**	**0.3**	**0.2**	**0.2**	**0.3**	**0.4**	**0.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful opportunities	29.0	2.0	15.0	14.0	47.0	20.0	39.0	32.0
Total opportunities	33.0	2.0	16.0	16.0	47.0	20.0	43.0	32.0
Indicator value	**94.2%**	**94.1%**	**93.9%**	**92.6%**	**92.9%**	**93.4%**	**94.2%**	**94.7%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Participating Key personnel	121.0	122.0	123.0	122.0	123.0	123.0	121.0	125.0
Total Key personnel	121.0	131.0	131.0	127.0	125.0	124.0	122.0	125.0
Indicator value	**100.0%**	**93.1%**	**93.9%**	**96.1%**	**98.4%**	**99.2%**	**99.2%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful siren-tests	232	116	117	238	117	117	118	234
Total sirens-tests	234	117	117	238	119	119	119	238
Indicator value	**99.5%**	**99.5%**	**99.5%**	**99.6%**	**99.5%**	**99.3%**	**99.2%**	**98.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
High radiation area occurrences	0	0	1	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**1**	**1**	**1**	**1**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: October 25, 2004

Beaver Valley 1

4Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned scrams	1.0	0	0	1.0	0	0	0	0
Critical hours	1531.5	1511.0	2208.0	2185.3	2184.0	2183.0	2208.0	1560.9
Indicator value	**1.8**	**1.9**	**1.9**	**1.9**	**0.9**	**0.8**	**0.8**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Scrams	1.0	0	0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	1531.5	1511.0	2208.0	2185.3	2184.0	2183.0	2208.0	1560.9
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.8**	**0.8**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	13.80	4.90	6.00	4.70	11.50	14.10	63.20	4.90
Unplanned unavailable hours	0	0	0	0	0	2.10	4.50	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	24.90	27.10	6.00	5.10	8.00	9.70	12.90	6.60
Unplanned unavailable hours	0	0	0	7.20	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	2.51	1.39	1.45	1.04	5.57	8.37	6.50	2.01
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1534.70	1599.60	2208.00	2209.00	2184.00	2183.00	2208.00	1611.42
Train 2								
Planned unavailable hours	1.26	25.47	3.00	1.25	7.84	9.51	15.65	5.36
Unplanned unavailable hours	0	0	0	0.62	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1534.70	1599.60	2208.00	2209.00	2184.00	2183.00	2208.00	1611.42
Indicator value	**0.2%**	**0.2%**	**0.2%**	**0.2%**	**0.2%**	**0.2%**	**0.2%**	**0.3%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	0	6.92	0	9.55	1.65	1.47	3.78	1.53
Unplanned unavailable hours	0.28	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1595.60	1599.60	2208.00	2209.00	2184.00	2183.00	2208.00	1601.58
Train 2								
Planned unavailable hours	13.33	0	0	5.88	18.37	3.11	6.44	8.90
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1595.60	1599.60	2208.00	2209.00	2184.00	2183.00	2208.00	1601.58
Train 3								
Planned unavailable hours	0	35.15	2.73	8.85	0.25	0.30	0	11.72
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1595.60	1599.60	2208.00	2209.00	2184.00	2183.00	2208.00	1601.58
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.3%**	**0.3%**	**0.3%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	1.63	29.77	13.47	0.68	5.22	14.65	4.96	2.01
Unplanned unavailable hours	0	0	0	0	0	41.23	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1587.60	1601.70	2208.00	2209.00	2184.00	2183.00	2208.00	1611.42
Train 2								
Planned unavailable hours	0.64	32.21	14.08	0.52	7.84	24.36	35.01	19.78
Unplanned unavailable hours	0	0	0	0.62	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1587.60	1601.70	2208.00	2209.00	2184.00	2183.00	2208.00	1611.42
Train 3								
Planned unavailable hours	0	0	0	0	0	0	0	0.57
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	263.10	455.10	0	0	0	0	0	534.19
Train 4								
Planned unavailable hours	0	2.13	0	0	0	0	0	0.48
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	263.10	455.10	0	0	0	0	0	534.19
Indicator value	**0.2%**	**0.3%**	**0.3%**	**0.2%**	**0.2%**	**0.3%**	**0.3%**	**0.3%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Safety System Functional Failures	0	0	0	1	0	0	0	0
Indicator value	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**
Maximum activity	0.000705	0.000687	0.000509	N/A	0.000529	0.000450	0.000488	0.000497	0.000526	0.000688	0.000592	0.000575
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.7**	**0.7**	**0.5**	**N/A**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.7**	**0.6**	**0.6**

Reactor Coolant System Activity	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**
Maximum activity	0.000807	0.000741	0.000719	0.000838	0.000801	0.000770	0.000777	0.000889	0.000869	0.000958	0.000293	0.000296
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.8**	**0.7**	**0.7**	**0.8**	**0.8**	**0.8**	**0.8**	**0.9**	**0.9**	**1.0**	**0.3**	**0.3**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**
Maximum leakage	0.081	0.230	0.360	0.050	0.040	0.044	0.040	0.030	0.040	0.040	0.040	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.8**	**2.3**	**3.6**	**0.5**	**0.4**	**0.4**	**0.4**	**0.3**	**0.4**	**0.4**	**0.4**	**0.6**
Reactor Coolant System Leakage	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**
Maximum leakage	0.040	0.020	0.020	0.030	0.020	0.020	0.030	0.040	0.020	0.040	0.060	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.2**	**0.2**	**0.3**	**0.2**	**0.2**	**0.3**	**0.4**	**0.2**	**0.4**	**0.6**	**0.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful opportunities	2.0	15.0	14.0	47.0	20.0	39.0	32.0	7.0
Total opportunities	2.0	16.0	16.0	47.0	20.0	43.0	32.0	7.0
Indicator value	**94.1%**	**93.9%**	**92.6%**	**92.9%**	**93.4%**	**94.2%**	**94.7%**	**96.2%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Participating Key personnel	122.0	123.0	122.0	123.0	123.0	121.0	125.0	125.0
Total Key personnel	131.0	131.0	127.0	125.0	124.0	122.0	125.0	125.0
Indicator value	**93.1%**	**93.9%**	**96.1%**	**98.4%**	**99.2%**	**99.2%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful siren-tests	116	117	238	117	117	118	234	115
Total sirens-tests	117	117	238	119	119	119	238	117
Indicator value	**99.5%**	**99.5%**	**99.6%**	**99.5%**	**99.3%**	**99.2%**	**98.5%**	**98.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
High radiation area occurrences	0	1	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**1**	**1**	**1**	**1**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: March 9, 2005

Beaver Valley 1

1Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	1511.0	2208.0	2185.3	2184.0	2183.0	2208.0	1560.9	2160.0
Indicator value	**1.9**	**1.9**	**1.9**	**0.9**	**0.8**	**0.8**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	1511.0	2208.0	2185.3	2184.0	2183.0	2208.0	1560.9	2160.0
Indicator value	**0**	**0**	**0**	**0.9**	**0.8**	**0.8**	**0.9**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	4.90	6.00	4.70	11.50	14.10	63.20	4.90	5.30
Unplanned unavailable hours	0	0	0	0	2.10	4.50	0	0.30
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	27.10	6.00	5.10	8.00	9.70	12.90	6.60	10.40
Unplanned unavailable hours	0	0	7.20	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	1.39	1.45	1.04	5.57	8.37	6.50	2.01	5.10
Unplanned unavailable hours	0	0	0	0	0	0	0	0.32
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1599.60	2208.00	2209.00	2184.00	2183.00	2208.00	1611.42	2160.00
Train 2								
Planned unavailable hours	25.47	3.00	1.25	7.84	9.51	15.65	5.36	9.95
Unplanned unavailable hours	0	0	0.62	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1599.60	2208.00	2209.00	2184.00	2183.00	2208.00	1611.42	2160.00
Indicator value	**0.2%**	**0.2%**	**0.2%**	**0.2%**	**0.2%**	**0.2%**	**0.3%**	**0.3%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	6.92	0	9.55	1.65	1.47	3.78	1.53	3.82
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1599.60	2208.00	2209.00	2184.00	2183.00	2208.00	1601.58	2160.00
Train 2								
Planned unavailable hours	0	0	5.88	18.37	3.11	6.44	8.90	3.72
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1599.60	2208.00	2209.00	2184.00	2183.00	2208.00	1601.58	2160.00
Train 3								
Planned unavailable hours	35.15	2.73	8.85	0.25	0.30	0	11.72	5.40
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1599.60	2208.00	2209.00	2184.00	2183.00	2208.00	1601.58	2160.00
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	29.77	13.47	0.68	5.22	14.65	4.96	2.01	10.84
Unplanned unavailable hours	0	0	0	0	41.23	0	0	0.32
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1601.70	2208.00	2209.00	2184.00	2183.00	2208.00	1611.42	2160.00
Train 2								
Planned unavailable hours	32.21	14.08	0.52	7.84	24.36	35.01	19.78	22.87
Unplanned unavailable hours	0	0	0.62	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1601.70	2208.00	2209.00	2184.00	2183.00	2208.00	1611.42	2160.00
Train 3								
Planned unavailable hours	0	0	0	0	0	0	0.57	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	455.10	0	0	0	0	0	534.19	0
Train 4								
Planned unavailable hours	2.13	0	0	0	0	0	0.48	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	455.10	0	0	0	0	0	534.19	0
Indicator value	**0.3%**	**0.3%**	**0.2%**	**0.2%**	**0.3%**	**0.3%**	**0.3%**	**0.4%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Safety System Functional Failures	0	0	1	0	0	0	0	0
Indicator value	**0**	**0**	**1**	**1**	**1**	**1**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**
Maximum activity	N/A	0.000529	0.000450	0.000488	0.000497	0.000526	0.000688	0.000592	0.000575	0.000807	0.000741	0.000719
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**N/A**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.7**	**0.6**	**0.6**	**0.8**	**0.7**	**0.7**

Reactor Coolant System Activity	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**
Maximum activity	0.000838	0.000801	0.000770	0.000777	0.000889	0.000869	0.000958	0.000293	0.000296	0.000303	0.000323	0.000334
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.8**	**0.8**	**0.8**	**0.8**	**0.9**	**0.9**	**1.0**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**
Maximum leakage	0.050	0.040	0.044	0.040	0.030	0.040	0.040	0.040	0.060	0.040	0.020	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.5**	**0.4**	**0.4**	**0.4**	**0.3**	**0.4**	**0.4**	**0.4**	**0.6**	**0.4**	**0.2**	**0.2**
Reactor Coolant System Leakage	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**
Maximum leakage	0.030	0.020	0.020	0.030	0.040	0.020	0.040	0.060	0.020	0.040	0.030	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.2**	**0.2**	**0.3**	**0.4**	**0.2**	**0.4**	**0.6**	**0.2**	**0.4**	**0.3**	**0.5**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful opportunities	15.0	14.0	47.0	20.0	39.0	32.0	7.0	4.0
Total opportunities	16.0	16.0	47.0	20.0	43.0	32.0	7.0	5.0
Indicator value	**93.9%**	**92.6%**	**92.9%**	**93.4%**	**94.2%**	**94.7%**	**96.2%**	**95.7%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Participating Key personnel	123.0	122.0	123.0	123.0	121.0	125.0	125.0	122.0
Total Key personnel	131.0	127.0	125.0	124.0	122.0	125.0	125.0	122.0
Indicator value	**93.9%**	**96.1%**	**98.4%**	**99.2%**	**99.2%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful siren-tests	117	238	117	0	0	117	115	119
Total sirens-tests	117	238	119	0	0	119	117	119
Indicator value	**99.5%**	**99.6%**	**99.5%**	**99.6%**	**99.4%**	**98.3%**	**98.3%**	**98.9%**

Licensee Comments:

3Q/04: Quarterly siren test results are being removed. Although the tests were successful (117/119), they were not performed from a "normally attended" station as required by NEI 99-02.

2Q/04: Siren test results are being removed. Although they were successful (118/119), they were not performed from a "normally attended" station as required by NEI 99-02.

1Q/04: Siren test results are being removed. Although the tests were successful (117/119), they were not performed from a "normally attended" station as required by NEI 99-02.

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
High radiation area occurrences	1	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: June 17, 2005

Beaver Valley 1

2Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2208.0	2185.3	2184.0	2183.0	2208.0	1560.9	2160.0	2183.0
Indicator value	**1.9**	**1.9**	**0.9**	**0.8**	**0.8**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2208.0	2185.3	2184.0	2183.0	2208.0	1560.9	2160.0	2183.0
Indicator value	**0**	**0**	**0.9**	**0.8**	**0.8**	**0.9**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	6.00	4.70	11.50	14.10	63.20	4.90	5.30	11.70
Unplanned unavailable hours	0	0	0	2.10	4.50	0	0.30	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	6.00	5.10	8.00	9.70	12.90	6.60	10.40	8.80
Unplanned unavailable hours	0	7.20	0	0	0	0	0	2.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.9%**	**0.9%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.6%**	**0.7%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	1.45	1.04	5.57	8.37	6.50	2.01	5.10	4.03
Unplanned unavailable hours	0	0	0	0	0	0	0.32	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	1611.42	2160.00	2183.00
Train 2								
Planned unavailable hours	3.00	1.25	7.84	9.51	15.65	5.36	9.95	2.57
Unplanned unavailable hours	0	0.62	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	1611.42	2160.00	2183.00
Indicator value	**0.2%**	**0.2%**	**0.2%**	**0.2%**	**0.2%**	**0.3%**	**0.3%**	**0.3%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	0	9.55	1.65	1.47	3.78	1.53	3.82	19.39
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	1601.58	2160.00	2183.00
Train 2								
Planned unavailable hours	0	5.88	18.37	3.11	6.44	8.90	3.72	8.62
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	1601.58	2160.00	2183.00
Train 3								
Planned unavailable hours	2.73	8.85	0.25	0.30	0	11.72	5.40	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	1601.58	2160.00	2183.00
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	13.47	0.68	5.22	14.65	4.96	2.01	10.84	9.55
Unplanned unavailable hours	0	0	0	41.23	0	0	0.32	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	1611.42	2160.00	2183.00
Train 2								
Planned unavailable hours	14.08	0.52	7.84	24.36	35.01	19.78	22.87	1.85
Unplanned unavailable hours	0	0.62	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	1611.42	2160.00	2183.00
Train 3								
Planned unavailable hours	0	0	0	0	0	0.57	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	0	0	534.19	0	0
Train 4								
Planned unavailable hours	0	0	0	0	0	0.48	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	0	0	534.19	0	0
Indicator value	**0.3%**	**0.2%**	**0.2%**	**0.3%**	**0.3%**	**0.3%**	**0.4%**	**0.4%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Safety System Functional Failures	0	1	0	0	0	0	0	0
Indicator value	**0**	**1**	**1**	**1**	**1**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**
Maximum activity	0.000488	0.000497	0.000526	0.000688	0.000592	0.000575	0.000807	0.000741	0.000719	0.000838	0.000801	0.000770
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.5**	**0.5**	**0.5**	**0.7**	**0.6**	**0.6**	**0.8**	**0.7**	**0.7**	**0.8**	**0.8**	**0.8**
Reactor Coolant System Activity	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**
Maximum activity	0.000777	0.000889	0.000869	0.000958	0.000293	0.000296	0.000303	0.000323	0.000334	0.000370	0.000322	0.000359
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.8**	**0.9**	**0.9**	**1.0**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**0.3**	**0.4**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**
Maximum leakage	0.040	0.030	0.040	0.040	0.040	0.060	0.040	0.020	0.020	0.030	0.020	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.3**	**0.4**	**0.4**	**0.4**	**0.6**	**0.4**	**0.2**	**0.2**	**0.3**	**0.2**	**0.2**
Reactor Coolant System Leakage	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**
Maximum leakage	0.030	0.040	0.020	0.040	0.060	0.020	0.040	0.030	0.050	0.030	0.040	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.4**	**0.2**	**0.4**	**0.6**	**0.2**	**0.4**	**0.3**	**0.5**	**0.3**	**0.4**	**0.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful opportunities	14.0	47.0	20.0	39.0	32.0	7.0	4.0	11.0
Total opportunities	16.0	47.0	20.0	43.0	32.0	7.0	5.0	11.0
Indicator value	**92.6%**	**92.9%**	**93.4%**	**94.2%**	**94.7%**	**96.2%**	**95.7%**	**96.1%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Participating Key personnel	122.0	123.0	123.0	121.0	125.0	125.0	122.0	126.0
Total Key personnel	127.0	125.0	124.0	122.0	125.0	125.0	122.0	126.0
Indicator value	**96.1%**	**98.4%**	**99.2%**	**99.2%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful siren-tests	238	117	0	0	117	115	119	119
Total sirens-tests	238	119	0	0	119	117	119	119
Indicator value	**99.6%**	**99.5%**	**99.6%**	**99.4%**	**98.3%**	**98.3%**	**98.9%**	**99.2%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: August 3, 2005

Beaver Valley 1

3Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	2185.3	2184.0	2183.0	2208.0	1560.9	2160.0	2183.0	2208.0
Indicator value	**1.9**	**0.9**	**0.8**	**0.8**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2185.3	2184.0	2183.0	2208.0	1560.9	2160.0	2183.0	2208.0
Indicator value	**0**	**0.9**	**0.8**	**0.8**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	4.70	11.50	14.10	63.20	4.90	5.30	11.70	6.50
Unplanned unavailable hours	0	0	2.10	4.50	0	0.30	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	5.10	8.00	9.70	12.90	6.60	10.40	8.80	18.00
Unplanned unavailable hours	7.20	0	0	0	0	0	2.80	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.9%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.6%**	**0.7%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	1.04	5.57	8.37	6.50	2.01	5.10	4.03	2.31
Unplanned unavailable hours	0	0	0	0	0	0.32	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1611.42	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	1.25	7.84	9.51	15.65	5.36	9.95	2.57	5.53
Unplanned unavailable hours	0.62	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1611.42	2160.00	2183.00	2208.00
Indicator value	**0.2%**	**0.2%**	**0.2%**	**0.2%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	9.55	1.65	1.47	3.78	1.53	3.82	19.39	1.93
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1601.58	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	5.88	18.37	3.11	6.44	8.90	3.72	8.62	4.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1601.58	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	8.85	0.25	0.30	0	11.72	5.40	0.25	36.84
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1601.58	2160.00	2183.00	2208.00
Indicator value	**0.4%**	**0.4%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	0.68	5.22	14.65	4.96	2.01	10.84	9.55	1.93
Unplanned unavailable hours	0	0	41.23	0	0	0.32	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1611.42	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0.52	7.84	24.36	35.01	19.78	22.87	1.85	12.82
Unplanned unavailable hours	0.62	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1611.42	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	0	0	0	0	0.57	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	0	534.19	0	0	0
Train 4								
Planned unavailable hours	0	0	0	0	0.48	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	0	534.19	0	0	0
Indicator value	**0.2%**	**0.2%**	**0.3%**	**0.3%**	**0.3%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Safety System Functional Failures	1	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**
Maximum activity	0.000688	0.000592	0.000575	0.000807	0.000741	0.000719	0.000838	0.000801	0.000770	0.000777	0.000889	0.000869
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.7**	**0.6**	**0.6**	**0.8**	**0.7**	**0.7**	**0.8**	**0.8**	**0.8**	**0.8**	**0.9**	**0.9**
Reactor Coolant System Activity	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**
Maximum activity	0.000958	0.000293	0.000296	0.000303	0.000323	0.000334	0.000370	0.000322	0.000359	0.000384	0.000374	0.000404
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**1.0**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**0.3**	**0.4**	**0.4**	**0.4**	**0.4**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	0.040	0.040	0.060	0.040	0.020	0.020	0.030	0.020	0.020	0.030	0.040	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.4**	**0.6**	**0.4**	**0.2**	**0.2**	**0.3**	**0.2**	**0.2**	**0.3**	**0.4**	**0.2**

Reactor Coolant System Leakage	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum leakage	0.040	0.060	0.020	0.040	0.030	0.050	0.030	0.040	0.040	0.040	0.030	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.6**	**0.2**	**0.4**	**0.3**	**0.5**	**0.3**	**0.4**	**0.4**	**0.4**	**0.3**	**0.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful opportunities	47.0	20.0	39.0	32.0	7.0	4.0	11.0	118.0
Total opportunities	47.0	20.0	43.0	32.0	7.0	5.0	11.0	118.0
Indicator value	**92.9%**	**93.4%**	**94.2%**	**94.7%**	**96.2%**	**95.7%**	**96.1%**	**98.2%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Participating Key personnel	123.0	123.0	121.0	125.0	125.0	122.0	126.0	126.0
Total Key personnel	125.0	124.0	122.0	125.0	125.0	122.0	126.0	126.0
Indicator value	**98.4%**	**99.2%**	**99.2%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful siren-tests	117	0	0	117	115	119	119	355
Total sirens-tests	119	0	0	119	117	119	119	357
Indicator value	**99.5%**	**99.6%**	**99.4%**	**98.3%**	**98.3%**	**98.9%**	**99.2%**	**99.4%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: November 3, 2005

Beaver Valley 1

4Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2183.0	2208.0	1560.9	2160.0	2183.0	2208.0	2209.0
Indicator value	**0.9**	**0.8**	**0.8**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	2184.0	2183.0	2208.0	1560.9	2160.0	2183.0	2208.0	2209.0
Indicator value	**0.9**	**0.8**	**0.8**	**0.9**	**0**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	11.50	14.10	63.20	4.90	5.30	11.70	6.50	7.10
Unplanned unavailable hours	0	2.10	4.50	0	0.30	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	8.00	9.70	12.90	6.60	10.40	8.80	18.00	8.00
Unplanned unavailable hours	0	0	0	0	0	2.80	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.6%**	**0.7%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	5.57	8.37	6.50	2.01	5.10	4.03	2.31	7.52
Unplanned unavailable hours	0	0	0	0	0.32	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	1611.42	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	7.84	9.51	15.65	5.36	9.95	2.57	5.53	2.19
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	1611.42	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.2%**	**0.2%**	**0.2%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	1.65	1.47	3.78	1.53	3.82	19.39	1.93	3.75
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	1601.58	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	18.37	3.11	6.44	8.90	3.72	8.62	4.25	1.77
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	1601.58	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	0.25	0.30	0	11.72	5.40	0.25	36.84	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	1601.58	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.4%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	5.22	14.65	4.96	2.01	10.84	9.55	1.93	32.13
Unplanned unavailable hours	0	41.23	0	0	0.32	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	1611.42	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	7.84	24.36	35.01	19.78	22.87	1.85	12.82	7.36
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	1611.42	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	0	0	0	0.57	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	534.19	0	0	0	0
Train 4								
Planned unavailable hours	0	0	0	0.48	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	0	534.19	0	0	0	0
Indicator value	**0.2%**	**0.3%**	**0.3%**	**0.3%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**
Maximum activity	0.000807	0.000741	0.000719	0.000838	0.000801	0.000770	0.000777	0.000889	0.000869	0.000958	0.000293	0.000296
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.8**	**0.7**	**0.7**	**0.8**	**0.8**	**0.8**	**0.8**	**0.9**	**0.9**	**1.0**	**0.3**	**0.3**
Reactor Coolant System Activity	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**
Maximum activity	0.000303	0.000323	0.000334	0.000370	0.000322	0.000359	0.000384	0.000374	0.000404	0.000426	0.000454	0.000476
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.3**	**0.3**	**0.3**	**0.4**	**0.3**	**0.4**	**0.4**	**0.4**	**0.4**	**0.4**	**0.5**	**0.5**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**
Maximum leakage	0.040	0.020	0.020	0.030	0.020	0.020	0.030	0.040	0.020	0.040	0.060	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.2**	**0.2**	**0.3**	**0.2**	**0.2**	**0.3**	**0.4**	**0.2**	**0.4**	**0.6**	**0.2**
Reactor Coolant System Leakage	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**
Maximum leakage	0.040	0.030	0.050	0.030	0.040	0.040	0.040	0.030	0.040	0.030	0.060	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.3**	**0.5**	**0.3**	**0.4**	**0.4**	**0.4**	**0.3**	**0.4**	**0.3**	**0.6**	**0.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful opportunities	20.0	39.0	32.0	7.0	4.0	11.0	118.0	34.0
Total opportunities	20.0	43.0	32.0	7.0	5.0	11.0	118.0	35.0
Indicator value	**93.4%**	**94.2%**	**94.7%**	**96.2%**	**95.7%**	**96.1%**	**98.2%**	**97.8%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Participating Key personnel	123.0	121.0	125.0	125.0	122.0	126.0	126.0	128.0
Total Key personnel	124.0	122.0	125.0	125.0	122.0	126.0	126.0	128.0
Indicator value	**99.2%**	**99.2%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful siren-tests	0	0	117	115	119	119	355	117
Total sirens-tests	0	0	119	117	119	119	357	119
Indicator value	**99.6%**	**99.4%**	**98.3%**	**98.3%**	**98.9%**	**99.2%**	**99.4%**	**99.4%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: January 30, 2006

Beaver Valley 1

1Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	1560.9	2160.0	2183.0	2208.0	2209.0	1032.3
Indicator value	**0.8**	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	1560.9	2160.0	2183.0	2208.0	2209.0	1032.3
Indicator value	**0.8**	**0.8**	**0.9**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	14.10	63.20	4.90	5.30	11.70	6.50	7.10	3.30
Unplanned unavailable hours	2.10	4.50	0	0.30	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	9.70	12.90	6.60	10.40	8.80	18.00	8.00	2.70
Unplanned unavailable hours	0	0	0	0	2.80	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.8%**	**0.8%**	**0.7%**	**0.6%**	**0.7%**	**0.6%**	**0.6%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	8.37	6.50	2.01	5.10	4.03	2.31	7.52	3.47
Unplanned unavailable hours	0	0	0	0.32	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1611.42	2160.00	2183.00	2208.00	2209.00	1037.90
Train 2								
Planned unavailable hours	9.51	15.65	5.36	9.95	2.57	5.53	2.19	2.12
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1611.42	2160.00	2183.00	2208.00	2209.00	1037.90
Indicator value	**0.2%**	**0.2%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)

Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	1.47	3.78	1.53	3.82	19.39	1.93	3.75	3.00
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1601.58	2160.00	2183.00	2208.00	2209.00	1037.90
Train 2								
Planned unavailable hours	3.11	6.44	8.90	3.72	8.62	4.25	1.77	1.65
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1601.58	2160.00	2183.00	2208.00	2209.00	1037.90
Train 3								
Planned unavailable hours	0.30	0	11.72	5.40	0.25	36.84	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1601.58	2160.00	2183.00	2208.00	2209.00	1037.90
Indicator value	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	14.65	4.96	2.01	10.84	9.55	1.93	32.13	16.44
Unplanned unavailable hours	41.23	0	0	0.32	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1611.42	2160.00	2183.00	2208.00	2209.00	1037.90
Train 2								
Planned unavailable hours	24.36	35.01	19.78	22.87	1.85	12.82	7.36	29.65
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1611.42	2160.00	2183.00	2208.00	2209.00	1037.90
Train 3								
Planned unavailable hours	0	0	0.57	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	534.19	0	0	0	0	342.00
Train 4								
Planned unavailable hours	0	0	0.48	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	534.19	0	0	0	0	342.00
Indicator value	**0.3%**	**0.3%**	**0.3%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.5%**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Safety System Functional Failures	0	0	0	0	0	0	0	1
Indicator value	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**1**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**
Maximum activity	0.000838	0.000801	0.000770	0.000777	0.000889	0.000869	0.000958	0.000293	0.000296	0.000303	0.000323	0.000334
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.8**	**0.8**	**0.8**	**0.8**	**0.9**	**0.9**	**1.0**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**

Reactor Coolant System Activity	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**
Maximum activity	0.000370	0.000322	0.000359	0.000384	0.000374	0.000404	0.000426	0.000454	0.000476	0.000677	0.000498	N/A
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.4**	**0.3**	**0.4**	**0.4**	**0.4**	**0.4**	**0.4**	**0.5**	**0.5**	**0.7**	**0.5**	**N/A**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**
Maximum leakage	0.030	0.020	0.020	0.030	0.040	0.020	0.040	0.060	0.020	0.040	0.030	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.2**	**0.2**	**0.3**	**0.4**	**0.2**	**0.4**	**0.6**	**0.2**	**0.4**	**0.3**	**0.5**
Reactor Coolant System Leakage	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**
Maximum leakage	0.030	0.040	0.040	0.040	0.030	0.040	0.030	0.060	0.020	0.030	0.010	N/A
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.4**	**0.4**	**0.4**	**0.3**	**0.4**	**0.3**	**0.6**	**0.2**	**0.3**	**0.1**	**N/A**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful opportunities	39.0	32.0	7.0	4.0	11.0	118.0	34.0	12.0
Total opportunities	43.0	32.0	7.0	5.0	11.0	118.0	35.0	13.0
Indicator value	**94.2%**	**94.7%**	**96.2%**	**95.7%**	**96.1%**	**98.2%**	**97.8%**	**97.3%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Participating Key personnel	121.0	125.0	125.0	122.0	126.0	126.0	128.0	127.0
Total Key personnel	122.0	125.0	125.0	122.0	126.0	126.0	128.0	127.0
Indicator value	**99.2%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful siren-tests	0	117	115	119	119	236	117	119
Total sirens-tests	0	119	117	119	119	238	119	119
Indicator value	**99.4%**	**98.3%**	**98.3%**	**98.9%**	**99.2%**	**99.3%**	**99.3%**	**99.3%**

Licensee Comments:

3Q/05: Results for August 2005 revised to delete the test results (119/119) that were originally reported. Results were incorrectly reported for both August and September.

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: May 5, 2006

Beaver Valley 1

2Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	1560.9	2160.0	2183.0	2208.0	2209.0	1032.3	1724.4
Indicator value	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2208.0	1560.9	2160.0	2183.0	2208.0	2209.0	1032.3	1724.4
Indicator value	**0.8**	**0.9**	**0**	**0**	**0**	**0**	**0**	**1.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Safety System Functional Failures	0	0	0	0	0	0	1	0
Indicator value	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**1**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								-9.10E-09
URI (ΔCDF)								-7.20E-08
PLE								NO
Indicator value								**-8.11E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								-7.00E-09
URI (ΔCDF)								-3.10E-08
PLE								NO
Indicator value								**-3.80E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								-3.90E-09
URI (ΔCDF)								-4.00E-09
PLE								NO
Indicator value								**-7.90E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								1.20E-08
URI (ΔCDF)								-4.90E-09
PLE								NO
Indicator value								**7.10E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								-1.70E-07
URI (ΔCDF)								-2.60E-08
PLE								NO
Indicator value								**-1.96E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**
Maximum activity	0.000777	0.000889	0.000869	0.000958	0.000293	0.000296	0.000303	0.000323	0.000334	0.000370	0.000322	0.000359
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.8**	**0.9**	**0.9**	**1.0**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**0.3**	**0.4**

Reactor Coolant System Activity	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**
Maximum activity	0.000384	0.000374	0.000404	0.000426	0.000454	0.000476	0.000677	0.000498	N/A	0.000205	0.000227	0.000223
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.4**	**0.4**	**0.4**	**0.4**	**0.5**	**0.5**	**0.7**	**0.5**	**N/A**	**0.2**	**0.2**	**0.2**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**
Maximum leakage	0.030	0.040	0.020	0.040	0.060	0.020	0.040	0.030	0.050	0.030	0.040	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.4**	**0.2**	**0.4**	**0.6**	**0.2**	**0.4**	**0.3**	**0.5**	**0.3**	**0.4**	**0.4**
Reactor Coolant System Leakage	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**
Maximum leakage	0.040	0.030	0.040	0.030	0.060	0.020	0.030	0.010	N/A	0.020	0.070	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.3**	**0.4**	**0.3**	**0.6**	**0.2**	**0.3**	**0.1**	**N/A**	**0.2**	**0.7**	**0.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful opportunities	32.0	7.0	4.0	11.0	118.0	34.0	12.0	50.0
Total opportunities	32.0	7.0	5.0	11.0	118.0	35.0	13.0	52.0
Indicator value	**94.7%**	**96.2%**	**95.7%**	**96.1%**	**98.2%**	**97.8%**	**97.3%**	**98.2%**

Licensee Comments:

2Q/06: One of the incorrect declarations listed for June is undergoing additional evaluation by the NRC based upon further information provided by FENOC.

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Participating Key personnel	125.0	125.0	122.0	126.0	126.0	128.0	127.0	122.0
Total Key personnel	125.0	125.0	122.0	126.0	126.0	128.0	127.0	122.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful siren-tests	117	115	119	119	236	117	119	118
Total sirens-tests	119	117	119	119	238	119	119	119
Indicator value	**98.3%**	**98.3%**	**98.9%**	**99.2%**	**99.3%**	**99.3%**	**99.3%**	**99.2%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: August 2, 2006

Beaver Valley 1

3Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	1560.9	2160.0	2183.0	2208.0	2209.0	1032.3	1724.4	2070.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1.0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	1560.9	2160.0	2183.0	2208.0	2209.0	1032.3	1724.4	2070.4
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**1.0**	**1.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Safety System Functional Failures	0	0	0	0	0	1	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							-9.10E-09	-1.80E-08
URI (ΔCDF)							-7.20E-08	-1.40E-07
PLE							NO	NO
Indicator value							**-8.11E-08**	**-1.58E-07**

Licensee Comments:

3Q/06: Changed PRA Parameter(s). PRA model for Beaver Valley Unit 1 was changed effective June 2, 2006.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							-7.00E-09	-8.90E-10
URI (ΔCDF)							-3.10E-08	-2.80E-09
PLE							NO	NO
Indicator value							**-3.80E-08**	**-3.69E-09**

Licensee Comments:

3Q/06: Changed PRA Parameter(s). PRA model for Beaver Valley Unit 1 was changed effective June 2, 2006.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							-3.90E-09	4.60E-09
URI (ΔCDF)							-3.60E-09	-3.40E-09
PLE							NO	NO
Indicator value							**-7.50E-09**	**1.20E-09**

Licensee Comments:

3Q/06: Changed PRA Parameter(s). PRA model for Beaver Valley Unit 1 was changed effective June 2, 2006.

2Q/06: Heat Removal System change due to historical demands for operational alignments being counted as actuals vs. estimates (BV CR 06-04770). Heat Removal System change due to 7 operational alignments being incorrectly reported as actual ESF-non test actuations. (BV CR 06-04996)

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							1.20E-08	4.60E-09
URI (ΔCDF)							-5.40E-09	-2.20E-09
PLE							NO	NO
Indicator value							**6.60E-09**	**2.40E-09**

Licensee Comments:

3Q/06: Changed PRA Parameter(s). PRA model for Beaver Valley Unit 1 was changed effective June 2, 2006.

2Q/06: Residual Heat Removal System change due to historical demands for operational alignments being counted as actuals vs. estimates (BV CR 06-04770).

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							-1.70E-07	-3.40E-08
URI (ΔCDF)							-2.80E-08	2.50E-09
PLE							NO	NO
Indicator value							**-1.98E-07**	**-3.15E-08**

Licensee Comments:

3Q/06: Changed PRA Parameter(s). PRA model for Beaver Valley Unit 1 was changed effective June 2, 2006.

2Q/06: Cooling Water System change due to historical demands for operational alignments being counted as actuals vs. estimates (BV CR 06-04770).

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**
Maximum activity	0.000958	0.000293	0.000296	0.000303	0.000323	0.000334	0.000370	0.000322	0.000359	0.000384	0.000374	0.000404
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**1.0**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**0.3**	**0.4**	**0.4**	**0.4**	**0.4**

Reactor Coolant System Activity	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**
Maximum activity	0.000426	0.000454	0.000476	0.000677	0.000498	N/A	0.000205	0.000227	0.000223	0.000240	0.000180	0.000265
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.4
Indicator value	**0.4**	**0.5**	**0.5**	**0.7**	**0.5**	**N/A**	**0.2**	**0.2**	**0.2**	**0.2**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**
Maximum leakage	0.040	0.060	0.020	0.040	0.030	0.050	0.030	0.040	0.040	0.040	0.030	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.6**	**0.2**	**0.4**	**0.3**	**0.5**	**0.3**	**0.4**	**0.4**	**0.4**	**0.3**	**0.4**
Reactor Coolant System Leakage	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**
Maximum leakage	0.030	0.060	0.020	0.030	0.010	N/A	0.020	0.070	0.020	0.030	0.030	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.6**	**0.2**	**0.3**	**0.1**	**N/A**	**0.2**	**0.7**	**0.2**	**0.3**	**0.3**	**0.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful opportunities	7.0	4.0	11.0	118.0	34.0	12.0	51.0	30.0
Total opportunities	7.0	5.0	11.0	118.0	35.0	13.0	52.0	34.0
Indicator value	**96.2%**	**95.7%**	**96.1%**	**98.2%**	**97.8%**	**97.3%**	**98.5%**	**97.1%**

Licensee Comments:

2Q/06: One of the incorrect declarations listed for June is being credited after evaluation by the NRC and FENOC. This item was conservatively reported as a failure until the evaluation was completed.

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Participating Key personnel	125.0	122.0	126.0	126.0	128.0	127.0	122.0	124.0
Total Key personnel	125.0	122.0	126.0	126.0	128.0	127.0	122.0	124.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful siren-tests	115	119	119	236	117	119	118	234
Total sirens-tests	117	119	119	238	119	119	119	238
Indicator value	**98.3%**	**98.9%**	**99.2%**	**99.3%**	**99.3%**	**99.3%**	**99.2%**	**98.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: November 6, 2006

Beaver Valley 1

4Q/2006 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	1032.3	1724.4	2070.4	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1.0**	**1.0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	1032.3	1724.4	2070.4	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Safety System Functional Failures	0	0	0	0	1	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						-9.10E-09	-1.80E-08	-2.00E-08
URI (ΔCDF)						-7.20E-08	-1.40E-07	-1.40E-07
PLE						NO	NO	NO
Indicator value						**-8.11E-08**	**-1.58E-07**	**-1.60E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						-7.00E-09	-8.90E-10	-6.10E-10
URI (ΔCDF)						-3.10E-08	-2.80E-09	-2.80E-09
PLE						NO	NO	NO
Indicator value						**-3.80E-08**	**-3.69E-09**	**-3.41E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-3.90E-09	4.60E-09	4.30E-09
URI (ΔCDF)						-3.60E-09	-3.40E-09	-3.30E-09
PLE						NO	NO	NO
Indicator value						**-7.50E-09**	**1.20E-09**	**1.00E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						1.20E-08	4.60E-09	5.90E-09
URI (ΔCDF)						-5.40E-09	-2.20E-09	-2.20E-09
PLE						NO	NO	NO
Indicator value						**6.60E-09**	**2.40E-09**	**3.70E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-1.70E-07	-3.40E-08	-3.10E-08
URI (ΔCDF)						-2.80E-08	2.50E-09	2.50E-09
PLE						NO	NO	NO
Indicator value						**-1.98E-07**	**-3.15E-08**	**-2.85E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**
Maximum activity	0.000303	0.000323	0.000334	0.000370	0.000322	0.000359	0.000384	0.000374	0.000404	0.000426	0.000454	0.000476
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.3**	**0.3**	**0.3**	**0.4**	**0.3**	**0.4**	**0.4**	**0.4**	**0.4**	**0.4**	**0.5**	**0.5**

Reactor Coolant System Activity	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**
Maximum activity	0.000677	0.000498	N/A	0.000205	0.000227	0.000223	0.000240	0.000180	0.000265	0.000268	0.000286	0.000291
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.7**	**0.5**	**N/A**	**0.2**	**0.2**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**
Maximum leakage	0.040	0.030	0.050	0.030	0.040	0.040	0.040	0.030	0.040	0.030	0.060	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.3**	**0.5**	**0.3**	**0.4**	**0.4**	**0.4**	**0.3**	**0.4**	**0.3**	**0.6**	**0.2**
Reactor Coolant System Leakage	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**
Maximum leakage	0.030	0.010	N/A	0.020	0.070	0.020	0.030	0.030	0.010	0.010	0.010	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.1**	**N/A**	**0.2**	**0.7**	**0.2**	**0.3**	**0.3**	**0.1**	**0.1**	**0.1**	**0.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful opportunities	4.0	11.0	118.0	34.0	12.0	51.0	30.0	31.0
Total opportunities	5.0	11.0	118.0	35.0	13.0	52.0	34.0	33.0
Indicator value	**95.7%**	**96.1%**	**98.2%**	**97.8%**	**97.3%**	**98.5%**	**97.1%**	**96.7%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Participating Key personnel	122.0	126.0	126.0	128.0	127.0	122.0	124.0	123.0
Total Key personnel	122.0	126.0	126.0	128.0	127.0	122.0	124.0	123.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful siren-tests	119	119	236	117	119	118	234	119
Total sirens-tests	119	119	238	119	119	119	238	119
Indicator value	**98.9%**	**99.2%**	**99.3%**	**99.3%**	**99.3%**	**99.2%**	**98.8%**	**99.2%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Beaver Valley 1

1Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2183.0	2208.0	2209.0	1032.3	1724.4	2070.4	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1.0**	**1.0**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Scrams	0	0	0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2183.0	2208.0	2209.0	1032.3	1724.4	2070.4	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**1.0**	**1.0**	**1.0**	**0.9**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Safety System Functional Failures	0	0	0	1	0	0	0	0
Indicator value	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					-9.10E-09	-1.80E-08	-2.00E-08	-2.00E-08
URI (ΔCDF)					-7.20E-08	-1.40E-07	-1.40E-07	-1.40E-07
PLE					NO	NO	NO	NO
Indicator value					**-8.11E-08**	**-1.58E-07**	**-1.60E-07**	**-1.60E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					-7.00E-09	-8.90E-10	-6.10E-10	-5.60E-10
URI (ΔCDF)					-3.10E-08	-2.80E-09	-2.80E-09	-2.80E-09
PLE					NO	NO	NO	NO
Indicator value					**-3.80E-08**	**-3.69E-09**	**-3.41E-09**	**-3.36E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (ΔCDF)					-3.90E-09	4.60E-09	4.30E-09	4.30E-09
URI (ΔCDF)					-3.60E-09	-3.40E-09	-3.30E-09	-3.30E-09
PLE					NO	NO	NO	NO
Indicator value					**-7.50E-09**	**1.20E-09**	**1.00E-09**	**1.00E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					1.20E-08	4.60E-09	5.90E-09	6.10E-09
URI (ΔCDF)					-5.40E-09	-2.20E-09	-2.20E-09	-2.20E-09
PLE					NO	NO	NO	NO
Indicator value					**6.60E-09**	**2.40E-09**	**3.70E-09**	**3.90E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					-1.70E-07	-3.40E-08	-3.10E-08	-3.10E-08
URI (ΔCDF)					-2.80E-08	2.50E-09	2.50E-09	2.50E-09
PLE					NO	NO	NO	NO
Indicator value					**-1.98E-07**	**-3.15E-08**	**-2.85E-08**	**-2.85E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**
Maximum activity	0.000370	0.000322	0.000359	0.000384	0.000374	0.000404	0.000426	0.000454	0.000476	0.000677	0.000498	N/A
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.4**	**0.3**	**0.4**	**0.4**	**0.4**	**0.4**	**0.4**	**0.5**	**0.5**	**0.7**	**0.5**	**N/A**

Reactor Coolant System Activity	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**
Maximum activity	0.000205	0.000227	0.000223	0.000240	0.000180	0.000265	0.000268	0.000286	0.000291	0.000301	0.000296	0.000314
Technical specification limit	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.2**	**0.2**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**
Maximum leakage	0.030	0.040	0.040	0.040	0.030	0.040	0.030	0.060	0.020	0.030	0.010	N/A
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.4**	**0.4**	**0.4**	**0.3**	**0.4**	**0.3**	**0.6**	**0.2**	**0.3**	**0.1**	**N/A**
Reactor Coolant System Leakage	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**
Maximum leakage	0.020	0.070	0.020	0.030	0.030	0.010	0.010	0.010	0.020	0.040	0.040	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.7**	**0.2**	**0.3**	**0.3**	**0.1**	**0.1**	**0.1**	**0.2**	**0.4**	**0.4**	**1.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful opportunities	11.0	118.0	34.0	12.0	51.0	30.0	31.0	15.0
Total opportunities	11.0	118.0	35.0	13.0	52.0	34.0	33.0	16.0
Indicator value	**96.1%**	**98.2%**	**97.8%**	**97.3%**	**98.5%**	**97.1%**	**96.7%**	**96.8%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Participating Key personnel	126.0	126.0	128.0	127.0	122.0	124.0	123.0	124.0
Total Key personnel	126.0	126.0	128.0	127.0	122.0	124.0	123.0	124.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful siren-tests	119	236	117	119	118	234	119	118
Total sirens-tests	119	238	119	119	119	238	119	119
Indicator value	**99.2%**	**99.3%**	**99.3%**	**99.3%**	**99.2%**	**98.8%**	**99.2%**	**99.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: June 1, 2007

Beaver Valley 1

2Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2208.0	2209.0	1032.3	1724.4	2070.4	2209.0	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**1.0**	**1.0**	**0.9**	**0.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Scrams	0	0	0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	2208.0	2209.0	1032.3	1724.4	2070.4	2209.0	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**1.0**	**1.0**	**1.0**	**0.9**	**0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Safety System Functional Failures	0	0	1	0	0	0	0	0
Indicator value	**0**	**0**	**1**	**1**	**1**	**1**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				-9.10E-09	-1.80E-08	-2.00E-08	-2.00E-08	-2.00E-08
URI (ΔCDF)				-7.20E-08	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**-8.11E-08**	**-1.58E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				-7.00E-09	-8.90E-10	-6.10E-10	-5.60E-10	-5.20E-10
URI (ΔCDF)				-3.10E-08	-2.80E-09	-2.80E-09	-2.80E-09	-2.80E-09
PLE				NO	NO	NO	NO	NO
Indicator value				**-3.80E-08**	**-3.69E-09**	**-3.41E-09**	**-3.36E-09**	**-3.32E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				-3.90E-09	4.60E-09	4.30E-09	4.30E-09	4.30E-09
URI (ΔCDF)				-3.60E-09	-3.40E-09	-3.30E-09	-3.30E-09	-3.30E-09
PLE				NO	NO	NO	NO	NO
Indicator value				**-7.50E-09**	**1.20E-09**	**1.00E-09**	**1.00E-09**	**1.00E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				1.20E-08	4.60E-09	5.90E-09	6.10E-09	7.00E-09
URI (ΔCDF)				-5.40E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09
PLE				NO	NO	NO	NO	NO
Indicator value				**6.60E-09**	**2.40E-09**	**3.70E-09**	**3.90E-09**	**4.80E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				-1.70E-07	-3.40E-08	-3.10E-08	-3.10E-08	-2.80E-08
URI (ΔCDF)				-2.80E-08	2.50E-09	2.50E-09	2.50E-09	2.50E-09
PLE				NO	NO	NO	NO	NO
Indicator value				**-1.98E-07**	**-3.15E-08**	**-2.85E-08**	**-2.85E-08**	**-2.55E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**
Maximum activity	0.000384	0.000374	0.000404	0.000426	0.000454	0.000476	0.000677	0.000498	N/A	0.000205	0.000227	0.000223
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	**0.4**	**0.4**	**0.4**	**0.4**	**0.5**	**0.5**	**0.7**	**0.5**	**N/A**	**0.2**	**0.2**	**0.2**

Reactor Coolant System Activity	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**
Maximum activity	0.000240	0.000180	0.000265	0.000268	0.000286	0.000291	0.000301	0.000296	0.000314	0.000337	0.000419	0.000336
Technical specification limit	0.1	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**
Maximum leakage	0.040	0.030	0.040	0.030	0.060	0.020	0.030	0.010	N/A	0.020	0.070	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.3**	**0.4**	**0.3**	**0.6**	**0.2**	**0.3**	**0.1**	**N/A**	**0.2**	**0.7**	**0.2**
Reactor Coolant System Leakage	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**
Maximum leakage	0.030	0.030	0.010	0.010	0.010	0.020	0.040	0.040	0.120	0.030	0.020	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.3**	**0.1**	**0.1**	**0.1**	**0.2**	**0.4**	**0.4**	**1.2**	**0.3**	**0.2**	**0.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful opportunities	118.0	34.0	12.0	51.0	30.0	31.0	15.0	26.0
Total opportunities	118.0	35.0	13.0	52.0	34.0	33.0	16.0	27.0
Indicator value	**98.2%**	**97.8%**	**97.3%**	**98.5%**	**97.1%**	**96.7%**	**96.8%**	**96.6%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Participating Key personnel	126.0	128.0	127.0	122.0	124.0	123.0	124.0	122.0
Total Key personnel	126.0	128.0	127.0	122.0	124.0	123.0	124.0	122.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful siren-tests	236	117	119	118	234	119	118	119
Total sirens-tests	238	119	119	119	238	119	119	119
Indicator value	**99.3%**	**99.3%**	**99.3%**	**99.2%**	**98.8%**	**99.2%**	**99.0%**	**99.2%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: August 6, 2007

Beaver Valley 1

3Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2209.0	1032.3	1724.4	2070.4	2209.0	2159.0	2184.0	2040.2
Indicator value	**0**	**0**	**0**	**1.0**	**1.0**	**0.9**	**0.8**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2209.0	1032.3	1724.4	2070.4	2209.0	2159.0	2184.0	2040.2
Indicator value	**0**	**0**	**1.0**	**1.0**	**1.0**	**0.9**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Scrams with complications					0	0	0	0
Indicator value								**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Safety System Functional Failures	0	1	0	0	0	0	0	1
Indicator value	**0**	**1**	**1**	**1**	**1**	**0**	**0**	**1**

Licensee Comments:

3Q/07: LER 2007-001-00

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			-9.10E-09	-1.80E-08	-2.00E-08	-2.00E-08	-2.00E-08	-2.20E-08
URI (ΔCDF)			-7.20E-08	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-8.11E-08**	**-1.58E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.62E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			-7.00E-09	-8.90E-10	-6.10E-10	-5.60E-10	-5.20E-10	-7.30E-10
URI (ΔCDF)			-3.10E-08	-2.80E-09	-2.80E-09	-2.80E-09	-2.80E-09	-2.40E-09
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-3.80E-08**	**-3.69E-09**	**-3.41E-09**	**-3.36E-09**	**-3.32E-09**	**-3.13E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			-3.90E-09	4.60E-09	4.30E-09	4.30E-09	4.30E-09	4.50E-09
URI (ΔCDF)			-3.60E-09	-3.40E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-7.50E-09**	**1.20E-09**	**1.00E-09**	**1.00E-09**	**1.00E-09**	**1.20E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			1.20E-08	4.60E-09	5.90E-09	6.10E-09	7.00E-09	7.40E-09
URI (ΔCDF)			-5.40E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**6.60E-09**	**2.40E-09**	**3.70E-09**	**3.90E-09**	**4.80E-09**	**5.20E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			-1.70E-07	-3.40E-08	-3.10E-08	-3.10E-08	-2.80E-08	-2.80E-08
URI (ΔCDF)			-2.80E-08	2.50E-09	2.50E-09	2.50E-09	2.50E-09	2.50E-09
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-1.98E-07**	**-3.15E-08**	**-2.85E-08**	**-2.85E-08**	**-2.55E-08**	**-2.55E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**
Maximum activity	0.000426	0.000454	0.000476	0.000677	0.000498	N/A	0.000205	0.000227	0.000223	0.000240	0.000180	0.000265
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.4
Indicator value	**0.4**	**0.5**	**0.5**	**0.7**	**0.5**	**N/A**	**0.2**	**0.2**	**0.2**	**0.2**	**0.1**	**0.1**

Reactor Coolant System Activity	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**
Maximum activity	0.000268	0.000286	0.000291	0.000301	0.000296	0.000314	0.000337	0.000419	0.000336	0.000355	0.000370	0.000359
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**
Maximum leakage	0.030	0.060	0.020	0.030	0.010	N/A	0.020	0.070	0.020	0.030	0.030	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.6**	**0.2**	**0.3**	**0.1**	**N/A**	**0.2**	**0.7**	**0.2**	**0.3**	**0.3**	**0.1**
Reactor Coolant System Leakage	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**
Maximum leakage	0.010	0.010	0.020	0.040	0.040	0.120	0.030	0.020	0.010	0.010	0.040	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.1**	**0.2**	**0.4**	**0.4**	**1.2**	**0.3**	**0.2**	**0.1**	**0.1**	**0.4**	**0.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful opportunities	34.0	12.0	51.0	30.0	31.0	15.0	26.0	16.0
Total opportunities	35.0	13.0	52.0	34.0	33.0	16.0	27.0	16.0
Indicator value	**97.8%**	**97.3%**	**98.5%**	**97.1%**	**96.7%**	**96.8%**	**96.6%**	**95.1%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Participating Key personnel	128.0	127.0	122.0	124.0	123.0	124.0	122.0	120.0
Total Key personnel	128.0	127.0	122.0	124.0	123.0	124.0	122.0	120.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful siren-tests	117	119	118	234	119	118	119	235
Total sirens-tests	119	119	119	238	119	119	119	238
Indicator value	**99.3%**	**99.3%**	**99.2%**	**98.8%**	**99.2%**	**99.0%**	**99.2%**	**99.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: December 7, 2007

Beaver Valley 1

4Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	1032.3	1724.4	2070.4	2209.0	2159.0	2184.0	2040.2	1650.1
Indicator value	**0**	**0**	**1.0**	**1.0**	**0.9**	**0.8**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	1032.3	1724.4	2070.4	2209.0	2159.0	2184.0	2040.2	1650.1
Indicator value	**0**	**1.0**	**1.0**	**1.0**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Scrams with complications				0	0	0	0	0
Indicator value							**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Safety System Functional Failures	1	0	0	0	0	0	1	0
Indicator value	**1**	**1**	**1**	**1**	**0**	**0**	**1**	**1**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		-9.10E-09	-1.80E-08	-2.00E-08	-2.00E-08	-2.00E-08	-2.20E-08	-2.00E-08
URI (ΔCDF)		-7.20E-08	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-8.11E-08**	**-1.58E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.62E-07**	**-1.60E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		-7.00E-09	-8.90E-10	-6.10E-10	-5.60E-10	-5.20E-10	-7.30E-10	-7.90E-10
URI (ΔCDF)		-3.10E-08	-2.80E-09	-2.80E-09	-2.80E-09	-2.80E-09	-2.40E-09	-2.40E-09
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-3.80E-08**	**-3.69E-09**	**-3.41E-09**	**-3.36E-09**	**-3.32E-09**	**-3.13E-09**	**-3.19E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		-3.90E-09	4.60E-09	4.30E-09	4.30E-09	4.30E-09	4.50E-09	4.40E-09
URI (ΔCDF)		-3.60E-09	-3.40E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-7.50E-09**	**1.20E-09**	**1.00E-09**	**1.00E-09**	**1.00E-09**	**1.20E-09**	**1.10E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		1.20E-08	4.60E-09	5.90E-09	6.10E-09	7.00E-09	7.40E-09	5.90E-09
URI (ΔCDF)		-5.40E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**6.60E-09**	**2.40E-09**	**3.70E-09**	**3.90E-09**	**4.80E-09**	**5.20E-09**	**3.70E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		-1.70E-07	-3.40E-08	-3.10E-08	-3.10E-08	-2.80E-08	-2.80E-08	-2.40E-08
URI (ΔCDF)		-2.80E-08	2.50E-09	2.50E-09	2.50E-09	2.50E-09	2.50E-09	2.50E-09
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-1.98E-07**	**-3.15E-08**	**-2.85E-08**	**-2.85E-08**	**-2.55E-08**	**-2.55E-08**	**-2.15E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**
Maximum activity	0.000677	0.000498	N/A	0.000205	0.000227	0.000223	0.000240	0.000180	0.000265	0.000268	0.000286	0.000291
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.7**	**0.5**	**N/A**	**0.2**	**0.2**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Reactor Coolant System Activity	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**
Maximum activity	0.000301	0.000296	0.000314	0.000337	0.000419	0.000336	0.000355	0.000370	0.000359	0.000124	0.000136	0.000148
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**
Maximum leakage	0.030	0.010	N/A	0.020	0.070	0.020	0.030	0.030	0.010	0.010	0.010	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.1**	**N/A**	**0.2**	**0.7**	**0.2**	**0.3**	**0.3**	**0.1**	**0.1**	**0.1**	**0.2**
Reactor Coolant System Leakage	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**
Maximum leakage	0.040	0.040	0.120	0.030	0.020	0.010	0.010	0.040	0.010	0.030	0.020	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.4**	**1.2**	**0.3**	**0.2**	**0.1**	**0.1**	**0.4**	**0.1**	**0.3**	**0.2**	**0.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful opportunities	12.0	51.0	30.0	31.0	15.0	26.0	16.0	22.0
Total opportunities	13.0	52.0	34.0	33.0	16.0	27.0	16.0	23.0
Indicator value	**97.3%**	**98.5%**	**97.1%**	**96.7%**	**96.8%**	**96.6%**	**95.1%**	**94.9%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Participating Key personnel	127.0	122.0	124.0	123.0	124.0	122.0	120.0	122.0
Total Key personnel	127.0	122.0	124.0	123.0	124.0	122.0	120.0	122.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful siren-tests	119	118	234	119	118	119	235	119
Total sirens-tests	119	119	238	119	119	119	238	119
Indicator value	**99.3%**	**99.2%**	**98.8%**	**99.2%**	**99.0%**	**99.2%**	**99.3%**	**99.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: February 4, 2008

Beaver Valley 1

1Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	1724.4	2070.4	2209.0	2159.0	2184.0	2040.2	1650.1	2183.0
Indicator value	**0**	**1.0**	**1.0**	**0.9**	**0.8**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	1724.4	2070.4	2209.0	2159.0	2184.0	2040.2	1650.1	2183.0
Indicator value	**1.0**	**1.0**	**1.0**	**0.9**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Scrams with complications			0	0	0	0	0	0
Indicator value						**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Safety System Functional Failures	0	0	0	0	0	1	0	0
Indicator value	**1**	**1**	**1**	**0**	**0**	**1**	**1**	**1**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	-9.10E-09	-1.80E-08	-2.00E-08	-2.00E-08	-2.00E-08	-2.20E-08	-2.00E-08	-2.00E-08
URI (ΔCDF)	-7.20E-08	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.11E-08**	**-1.58E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.62E-07**	**-1.60E-07**	**-1.60E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**
UAI (ΔCDF)	-7.00E-09	-8.90E-10	-6.10E-10	-5.60E-10	-5.20E-10	-7.30E-10	-7.90E-10	-8.60E-10
URI (ΔCDF)	-3.10E-08	-2.80E-09	-2.80E-09	-2.80E-09	-2.80E-09	-2.40E-09	-2.40E-09	-2.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.80E-08**	**-3.69E-09**	**-3.41E-09**	**-3.36E-09**	**-3.32E-09**	**-3.13E-09**	**-3.19E-09**	**-3.26E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	-3.90E-09	4.60E-09	4.30E-09	4.30E-09	4.30E-09	4.50E-09	4.40E-09	4.40E-09
URI (ΔCDF)	-3.60E-09	-3.40E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.50E-09**	**1.20E-09**	**1.00E-09**	**1.00E-09**	**1.00E-09**	**1.20E-09**	**1.10E-09**	**1.10E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	1.20E-08	4.60E-09	5.90E-09	6.10E-09	7.00E-09	7.40E-09	5.90E-09	4.70E-09
URI (ΔCDF)	-5.40E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.60E-09**	**2.40E-09**	**3.70E-09**	**3.90E-09**	**4.80E-09**	**5.20E-09**	**3.70E-09**	**2.50E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	-1.70E-07	-3.40E-08	-3.10E-08	-3.10E-08	-2.80E-08	-2.80E-08	-2.40E-08	-2.40E-08
URI (ΔCDF)	-2.80E-08	2.50E-09	2.50E-09	2.50E-09	2.50E-09	2.50E-09	2.50E-09	-9.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.98E-07**	**-3.15E-08**	**-2.85E-08**	**-2.85E-08**	**-2.55E-08**	**-2.55E-08**	**-2.15E-08**	**-3.34E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**
Maximum activity	0.000205	0.000227	0.000223	0.000240	0.000180	0.000265	0.000268	0.000286	0.000291	0.000301	0.000296	0.000314
Technical specification limit	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.2**	**0.2**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Activity	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**
Maximum activity	0.000337	0.000419	0.000336	0.000355	0.000370	0.000359	0.000124	0.000136	0.000148	0.000222	0.000173	0.000176
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0**	**0**	**0.1**	**0**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**
Maximum leakage	0.020	0.070	0.020	0.030	0.030	0.010	0.010	0.010	0.020	0.040	0.040	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.7**	**0.2**	**0.3**	**0.3**	**0.1**	**0.1**	**0.1**	**0.2**	**0.4**	**0.4**	**1.2**
Reactor Coolant System Leakage	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**
Maximum leakage	0.030	0.020	0.010	0.010	0.040	0.010	0.030	0.020	0.020	0.020	0.010	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.2**	**0.1**	**0.1**	**0.4**	**0.1**	**0.3**	**0.2**	**0.2**	**0.2**	**0.1**	**0.3**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful opportunities	51.0	30.0	31.0	15.0	26.0	16.0	22.0	15.0
Total opportunities	52.0	34.0	33.0	16.0	27.0	16.0	23.0	17.0
Indicator value	**98.5%**	**97.1%**	**96.7%**	**96.8%**	**96.6%**	**95.1%**	**94.9%**	**94.5%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Participating Key personnel	122.0	124.0	123.0	124.0	122.0	120.0	122.0	131.0
Total Key personnel	122.0	124.0	123.0	124.0	122.0	120.0	122.0	131.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful siren-tests	118	234	119	118	119	235	119	119
Total sirens-tests	119	238	119	119	119	238	119	119
Indicator value	**99.2%**	**98.8%**	**99.2%**	**99.0%**	**99.2%**	**99.3%**	**99.3%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: April 30, 2008

Beaver Valley 1

2Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	2070.4	2209.0	2159.0	2184.0	2040.2	1650.1	2183.0	2184.0
Indicator value	**1.0**	**1.0**	**0.9**	**0.8**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2070.4	2209.0	2159.0	2184.0	2040.2	1650.1	2183.0	2184.0
Indicator value	**1.0**	**1.0**	**0.9**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Scrams with complications		0	0	0	0	0	0	0
Indicator value					**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Safety System Functional Failures	0	0	0	0	1	0	0	0
Indicator value	**1**	**1**	**0**	**0**	**1**	**1**	**1**	**1**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	-1.80E-08	-2.00E-08	-2.00E-08	-2.00E-08	-2.20E-08	-2.00E-08	-2.00E-08	-2.50E-08
URI (ΔCDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.58E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.62E-07**	**-1.60E-07**	**-1.60E-07**	**-1.65E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	-8.90E-10	-6.10E-10	-5.60E-10	-5.20E-10	-7.30E-10	-7.90E-10	-8.60E-10	-7.00E-10
URI (ΔCDF)	-2.80E-09	-2.80E-09	-2.80E-09	-2.80E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.69E-09**	**-3.41E-09**	**-3.36E-09**	**-3.32E-09**	**-3.13E-09**	**-3.19E-09**	**-3.26E-09**	**-3.10E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	4.60E-09	4.30E-09	4.30E-09	4.30E-09	4.50E-09	4.40E-09	4.40E-09	5.10E-09
URI (ΔCDF)	-3.40E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-09**	**1.00E-09**	**1.00E-09**	**1.00E-09**	**1.20E-09**	**1.10E-09**	**1.10E-09**	**1.80E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**
UAI (ΔCDF)	4.60E-09	5.90E-09	6.10E-09	7.00E-09	7.40E-09	5.90E-09	4.70E-09	4.90E-09
URI (ΔCDF)	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.40E-09**	**3.70E-09**	**3.90E-09**	**4.80E-09**	**5.20E-09**	**3.70E-09**	**2.50E-09**	**2.70E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**
UAI (ΔCDF)	-3.40E-08	-3.10E-08	-3.10E-08	-2.80E-08	-2.80E-08	-2.40E-08	-2.40E-08	-2.40E-08
URI (ΔCDF)	2.50E-09	2.50E-09	2.50E-09	2.50E-09	2.50E-09	2.50E-09	-9.40E-09	-9.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.15E-08**	**-2.85E-08**	**-2.85E-08**	**-2.55E-08**	**-2.55E-08**	**-2.15E-08**	**-3.34E-08**	**-3.34E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**
Maximum activity	0.000240	0.000180	0.000265	0.000268	0.000286	0.000291	0.000301	0.000296	0.000314	0.000337	0.000419	0.000336
Technical specification limit	0.1	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Activity	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**
Maximum activity	0.000355	0.000370	0.000359	0.000124	0.000136	0.000148	0.000222	0.000173	0.000176	0.000188	0.000190	0.000201
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0.1**	**0.1**	**0**	**0**	**0**	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**
Maximum leakage	0.030	0.030	0.010	0.010	0.010	0.020	0.040	0.040	0.120	0.030	0.020	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.3**	**0.1**	**0.1**	**0.1**	**0.2**	**0.4**	**0.4**	**1.2**	**0.3**	**0.2**	**0.1**
Reactor Coolant System Leakage	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**
Maximum leakage	0.010	0.040	0.010	0.030	0.020	0.020	0.020	0.010	0.030	0.170	0.040	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.4**	**0.1**	**0.3**	**0.2**	**0.2**	**0.2**	**0.1**	**0.3**	**1.7**	**0.4**	**1.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful opportunities	30.0	31.0	15.0	26.0	16.0	22.0	15.0	30.0
Total opportunities	34.0	33.0	16.0	27.0	16.0	23.0	17.0	34.0
Indicator value	**97.1%**	**96.7%**	**96.8%**	**96.6%**	**95.1%**	**94.9%**	**94.5%**	**92.5%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Participating Key personnel	124.0	123.0	124.0	122.0	120.0	122.0	131.0	131.0
Total Key personnel	124.0	123.0	124.0	122.0	120.0	122.0	131.0	131.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful siren-tests	234	119	118	119	235	119	119	119
Total sirens-tests	238	119	119	119	238	119	119	119
Indicator value	**98.8%**	**99.2%**	**99.0%**	**99.2%**	**99.3%**	**99.3%**	**99.5%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Physical Protection information not publicly available.

Beaver Valley 1

3Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2040.2	1650.1	2183.0	2184.0	2208.0
Indicator value	**1.0**	**0.9**	**0.8**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2040.2	1650.1	2183.0	2184.0	2208.0
Indicator value	**1.0**	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Safety System Functional Failures	0	0	0	1	0	0	0	0
Indicator value	**1**	**0**	**0**	**1**	**1**	**1**	**1**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	-2.00E-08	-2.00E-08	-2.00E-08	-2.20E-08	-2.00E-08	-2.00E-08	-2.50E-08	-2.10E-08
URI (ΔCDF)	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-07**	**-1.70E-07**	**-1.70E-07**	**-1.72E-07**	**-1.70E-07**	**-1.70E-07**	**-1.75E-07**	**-1.71E-07**

Licensee Comments:

3Q/08: Revised EDG surveillance run times due to a change in surveillance requirements.

3Q/06: PRA model for Beaver Valley Unit 1 was changed effective June 2, 2006.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	-6.10E-10	-5.60E-10	-5.20E-10	-7.30E-10	-7.90E-10	-8.60E-10	-7.00E-10	-7.70E-10
URI (ΔCDF)	-2.80E-09	-2.80E-09	-2.80E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.41E-09**	**-3.36E-09**	**-3.32E-09**	**-3.13E-09**	**-3.19E-09**	**-3.26E-09**	**-3.10E-09**	**-3.17E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (ΔCDF)	4.30E-09	4.30E-09	4.30E-09	4.50E-09	4.40E-09	4.40E-09	5.10E-09	5.00E-09
URI (ΔCDF)	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-09**	**1.00E-09**	**1.00E-09**	**1.20E-09**	**1.10E-09**	**1.10E-09**	**1.80E-09**	**1.70E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	5.90E-09	6.10E-09	7.00E-09	7.40E-09	5.90E-09	4.70E-09	4.90E-09	4.30E-09
URI (ΔCDF)	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.70E-09**	**3.90E-09**	**4.80E-09**	**5.20E-09**	**3.70E-09**	**2.50E-09**	**2.70E-09**	**2.10E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	-3.10E-08	-3.10E-08	-2.80E-08	-2.80E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08
URI (ΔCDF)	2.50E-09	2.50E-09	2.50E-09	2.50E-09	2.50E-09	-9.40E-09	-9.40E-09	-9.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.85E-08**	**-2.85E-08**	**-2.55E-08**	**-2.55E-08**	**-2.15E-08**	**-3.34E-08**	**-3.34E-08**	**-3.34E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**
Maximum activity	0.000268	0.000286	0.000291	0.000301	0.000296	0.000314	0.000337	0.000419	0.000336	0.000355	0.000370	0.000359
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Activity	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**
Maximum activity	0.000124	0.000136	0.000148	0.000222	0.000173	0.000176	0.000188	0.000190	0.000201	0.000243	0.000214	0.000224
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum leakage	0.010	0.010	0.020	0.040	0.040	0.120	0.030	0.020	0.010	0.010	0.040	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.1**	**0.2**	**0.4**	**0.4**	**1.2**	**0.3**	**0.2**	**0.1**	**0.1**	**0.4**	**0.1**
Reactor Coolant System Leakage	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**
Maximum leakage	0.030	0.020	0.020	0.020	0.010	0.030	0.170	0.040	0.120	0.100	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.2**	**0.2**	**0.2**	**0.1**	**0.3**	**1.7**	**0.4**	**1.2**	**1.0**	**0.3**	**0.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful opportunities	31.0	15.0	26.0	16.0	22.0	15.0	30.0	24.0
Total opportunities	33.0	16.0	27.0	16.0	23.0	17.0	34.0	27.0
Indicator value	**96.7%**	**96.8%**	**96.6%**	**95.1%**	**94.9%**	**94.5%**	**92.5%**	**92.7%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Participating Key personnel	123.0	124.0	122.0	120.0	122.0	131.0	131.0	129.0
Total Key personnel	123.0	124.0	122.0	120.0	122.0	131.0	131.0	129.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful siren-tests	119	118	119	235	119	119	119	237
Total sirens-tests	119	119	119	238	119	119	119	238
Indicator value	**99.2%**	**99.0%**	**99.2%**	**99.3%**	**99.3%**	**99.5%**	**99.5%**	**99.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: November 26, 2008

Beaver Valley 1

4Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2040.2	1650.1	2183.0	2184.0	2208.0	2209.0
Indicator value	**0.9**	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2040.2	1650.1	2183.0	2184.0	2208.0	2209.0
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value			**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Safety System Functional Failures	0	0	1	0	0	0	0	0
Indicator value	**0**	**0**	**1**	**1**	**1**	**1**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	-2.00E-08	-2.00E-08	-2.20E-08	-2.00E-08	-2.00E-08	-2.50E-08	-2.10E-08	-2.10E-08
URI (ΔCDF)	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-07**	**-1.70E-07**	**-1.72E-07**	**-1.70E-07**	**-1.70E-07**	**-1.75E-07**	**-1.71E-07**	**-1.71E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	-5.60E-10	-5.20E-10	-7.30E-10	-7.90E-10	-8.60E-10	-7.00E-10	-7.70E-10	-9.00E-10
URI (ΔCDF)	-2.80E-09	-2.80E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.36E-09**	**-3.32E-09**	**-3.13E-09**	**-3.19E-09**	**-3.26E-09**	**-3.10E-09**	**-3.17E-09**	**-3.30E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	4.30E-09	4.30E-09	4.50E-09	4.40E-09	4.40E-09	5.10E-09	5.00E-09	5.50E-09
URI (ΔCDF)	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-09**	**1.00E-09**	**1.20E-09**	**1.10E-09**	**1.10E-09**	**1.80E-09**	**1.70E-09**	**2.20E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	6.10E-09	7.00E-09	7.40E-09	5.90E-09	4.70E-09	4.90E-09	4.30E-09	3.80E-09
URI (ΔCDF)	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.90E-09**	**4.80E-09**	**5.20E-09**	**3.70E-09**	**2.50E-09**	**2.70E-09**	**2.10E-09**	**1.60E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	-3.10E-08	-2.80E-08	-2.80E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08
URI (ΔCDF)	2.50E-09	2.50E-09	2.50E-09	2.50E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.85E-08**	**-2.55E-08**	**-2.55E-08**	**-2.15E-08**	**-3.34E-08**	**-3.34E-08**	**-3.34E-08**	**-3.34E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**
Maximum activity	0.000301	0.000296	0.000314	0.000337	0.000419	0.000336	0.000355	0.000370	0.000359	0.000124	0.000136	0.000148
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0**	**0**
Reactor Coolant System Activity	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**
Maximum activity	0.000222	0.000173	0.000176	0.000188	0.000190	0.000201	0.000243	0.000214	0.000224	0.000227	0.000228	0.000250
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**
Maximum leakage	0.040	0.040	0.120	0.030	0.020	0.010	0.010	0.040	0.010	0.030	0.020	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.4**	**1.2**	**0.3**	**0.2**	**0.1**	**0.1**	**0.4**	**0.1**	**0.3**	**0.2**	**0.2**
Reactor Coolant System Leakage	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**
Maximum leakage	0.020	0.010	0.030	0.170	0.040	0.120	0.100	0.030	0.020	0.020	0.030	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.1**	**0.3**	**1.7**	**0.4**	**1.2**	**1.0**	**0.3**	**0.2**	**0.2**	**0.3**	**0.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful opportunities	15.0	26.0	16.0	22.0	15.0	30.0	24.0	44.0
Total opportunities	16.0	27.0	16.0	23.0	17.0	34.0	27.0	45.0
Indicator value	**96.8%**	**96.6%**	**95.1%**	**94.9%**	**94.5%**	**92.5%**	**92.7%**	**93.7%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Participating Key personnel	124.0	122.0	120.0	122.0	131.0	131.0	129.0	125.0
Total Key personnel	124.0	122.0	120.0	122.0	131.0	131.0	129.0	125.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful siren-tests	118	119	235	119	119	119	237	118
Total sirens-tests	119	119	238	119	119	119	238	119
Indicator value	**99.0%**	**99.2%**	**99.3%**	**99.3%**	**99.5%**	**99.5%**	**99.8%**	**99.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: February 4, 2009

Beaver Valley 1

1Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2040.2	1650.1	2183.0	2184.0	2208.0	2209.0	2159.0
Indicator value	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2040.2	1650.1	2183.0	2184.0	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Safety System Functional Failures	0	1	0	0	0	0	0	0
Indicator value	**0**	**1**	**1**	**1**	**1**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**
UAI (ΔCDF)	-2.00E-08	-2.20E-08	-2.00E-08	-2.00E-08	-2.50E-08	-2.10E-08	-2.10E-08	-2.10E-08
URI (ΔCDF)	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-07**	**-1.72E-07**	**-1.70E-07**	**-1.70E-07**	**-1.75E-07**	**-1.71E-07**	**-1.71E-07**	**-1.71E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**
UAI (ΔCDF)	-5.20E-10	-7.30E-10	-7.90E-10	-8.60E-10	-7.00E-10	-7.70E-10	-9.00E-10	-1.20E-09
URI (ΔCDF)	-2.80E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.32E-09**	**-3.13E-09**	**-3.19E-09**	**-3.26E-09**	**-3.10E-09**	**-3.17E-09**	**-3.30E-09**	**-3.60E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	4.30E-09	4.50E-09	4.40E-09	4.40E-09	5.10E-09	5.00E-09	5.50E-09	5.00E-09
URI (ΔCDF)	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-09**	**1.20E-09**	**1.10E-09**	**1.10E-09**	**1.80E-09**	**1.70E-09**	**2.20E-09**	**1.70E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	7.00E-09	7.40E-09	5.90E-09	4.70E-09	4.90E-09	4.30E-09	3.80E-09	1.00E-08
URI (ΔCDF)	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.80E-09**	**5.20E-09**	**3.70E-09**	**2.50E-09**	**2.70E-09**	**2.10E-09**	**1.60E-09**	**7.80E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	-2.80E-08	-2.80E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.10E-08
URI (ΔCDF)	2.50E-09	2.50E-09	2.50E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.55E-08**	**-2.55E-08**	**-2.15E-08**	**-3.34E-08**	**-3.34E-08**	**-3.34E-08**	**-3.34E-08**	**-3.04E-08**

Licensee Comments:

1Q/09: An evaluation of 1WR-P-1B as described in CR 09-56071 (Groaning Noise and Squealing Noise from 1WR-P-1B) is pending.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**
Maximum activity	0.000337	0.000419	0.000336	0.000355	0.000370	0.000359	0.000124	0.000136	0.000148	0.000222	0.000173	0.000176
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0**	**0**	**0.1**	**0**	**0.1**
Reactor Coolant System Activity	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**
Maximum activity	0.000188	0.000190	0.000201	0.000243	0.000214	0.000224	0.000227	0.000228	0.000250	0.000237	0.000061	0.000247
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum leakage	0.030	0.020	0.010	0.010	0.040	0.010	0.030	0.020	0.020	0.020	0.010	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.2**	**0.1**	**0.1**	**0.4**	**0.1**	**0.3**	**0.2**	**0.2**	**0.2**	**0.1**	**0.3**
Reactor Coolant System Leakage	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**
Maximum leakage	0.170	0.040	0.120	0.100	0.030	0.020	0.020	0.030	0.010	0.020	0.020	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.7**	**0.4**	**1.2**	**1.0**	**0.3**	**0.2**	**0.2**	**0.3**	**0.1**	**0.2**	**0.2**	**0.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful opportunities	26.0	16.0	22.0	15.0	30.0	24.0	44.0	40.0
Total opportunities	27.0	16.0	23.0	17.0	34.0	27.0	45.0	40.0
Indicator value	**96.6%**	**95.1%**	**94.9%**	**94.5%**	**92.5%**	**92.7%**	**93.7%**	**94.8%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Participating Key personnel	122.0	120.0	122.0	131.0	131.0	129.0	125.0	129.0
Total Key personnel	122.0	120.0	122.0	131.0	131.0	129.0	125.0	129.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful siren-tests	119	235	119	119	119	237	118	118
Total sirens-tests	119	238	119	119	119	238	119	119
Indicator value	**99.2%**	**99.3%**	**99.3%**	**99.5%**	**99.5%**	**99.8%**	**99.7%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: May 1, 2009

Beaver Valley 1

2Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2040.2	1650.1	2183.0	2184.0	2208.0	2209.0	2159.0	1443.3
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2040.2	1650.1	2183.0	2184.0	2208.0	2209.0	2159.0	1443.3
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Safety System Functional Failures	1	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-2.20E-08	-2.00E-08	-2.00E-08	-2.50E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.00E-08
URI (ΔCDF)	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.72E-07**	**-1.70E-07**	**-1.70E-07**	**-1.75E-07**	**-1.71E-07**	**-1.71E-07**	**-1.71E-07**	**-1.70E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**
UAI (ΔCDF)	-7.30E-10	-7.90E-10	-8.60E-10	-7.00E-10	-7.70E-10	-9.00E-10	-1.20E-09	-1.50E-09
URI (ΔCDF)	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.13E-09**	**-3.19E-09**	**-3.26E-09**	**-3.10E-09**	**-3.17E-09**	**-3.30E-09**	**-3.60E-09**	**-3.90E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**
UAI (ΔCDF)	4.50E-09	4.40E-09	4.40E-09	5.10E-09	5.00E-09	5.50E-09	5.00E-09	5.30E-09
URI (ΔCDF)	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-09**	**1.10E-09**	**1.10E-09**	**1.80E-09**	**1.70E-09**	**2.20E-09**	**1.70E-09**	**1.90E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	7.40E-09	5.90E-09	4.70E-09	4.90E-09	4.30E-09	3.80E-09	1.00E-08	9.30E-09
URI (ΔCDF)	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.20E-09**	**3.70E-09**	**2.50E-09**	**2.70E-09**	**2.10E-09**	**1.60E-09**	**7.80E-09**	**7.10E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**
UAI (ΔCDF)	-2.80E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.10E-08	-2.10E-08
URI (ΔCDF)	2.50E-09	2.50E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.55E-08**	**-2.15E-08**	**-3.34E-08**	**-3.34E-08**	**-3.34E-08**	**-3.34E-08**	**-3.04E-08**	**-3.04E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**
Maximum activity	0.000355	0.000370	0.000359	0.000124	0.000136	0.000148	0.000222	0.000173	0.000176	0.000188	0.000190	0.000201
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0.1**	**0.1**	**0**	**0**	**0**	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0.1**

Reactor Coolant System Activity	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**
Maximum activity	0.000243	0.000214	0.000224	0.000227	0.000228	0.000250	0.000237	0.000061	0.000247	0.000249	0.000109	0.000171
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0.1**	**0.1**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**
Maximum leakage	0.010	0.040	0.010	0.030	0.020	0.020	0.020	0.010	0.030	0.170	0.040	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.4**	**0.1**	**0.3**	**0.2**	**0.2**	**0.2**	**0.1**	**0.3**	**1.7**	**0.4**	**1.2**
Reactor Coolant System Leakage	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**
Maximum leakage	0.100	0.030	0.020	0.020	0.030	0.010	0.020	0.020	0.020	0.010	1.180	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.0**	**0.3**	**0.2**	**0.2**	**0.3**	**0.1**	**0.2**	**0.2**	**0.2**	**0.1**	**11.8**	**0.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful opportunities	16.0	22.0	15.0	30.0	24.0	44.0	40.0	29.0
Total opportunities	16.0	23.0	17.0	34.0	27.0	45.0	40.0	29.0
Indicator value	**95.1%**	**94.9%**	**94.5%**	**92.5%**	**92.7%**	**93.7%**	**94.8%**	**95.2%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Participating Key personnel	120.0	122.0	131.0	131.0	129.0	125.0	129.0	123.0
Total Key personnel	120.0	122.0	131.0	131.0	129.0	125.0	129.0	123.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful siren-tests	235	119	119	119	237	118	118	119
Total sirens-tests	238	119	119	119	238	119	119	119
Indicator value	**99.3%**	**99.3%**	**99.5%**	**99.5%**	**99.8%**	**99.7%**	**99.5%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: July 22, 2009

Beaver Valley 1

3Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1650.1	2183.0	2184.0	2208.0	2209.0	2159.0	1443.3	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1650.1	2183.0	2184.0	2208.0	2209.0	2159.0	1443.3	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	-2.00E-08	-2.00E-08	-2.50E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.00E-08	-9.70E-09
URI (ΔCDF)	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-07**	**-1.70E-07**	**-1.75E-07**	**-1.71E-07**	**-1.71E-07**	**-1.71E-07**	**-1.70E-07**	**-1.60E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	-7.90E-10	-8.60E-10	-7.00E-10	-7.70E-10	-9.00E-10	-1.20E-09	-1.50E-09	-1.50E-09
URI (ΔCDF)	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.19E-09**	**-3.26E-09**	**-3.10E-09**	**-3.17E-09**	**-3.30E-09**	**-3.60E-09**	**-3.90E-09**	**-3.90E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	4.40E-09	4.40E-09	5.10E-09	5.00E-09	5.50E-09	5.00E-09	5.30E-09	-2.70E-09
URI (ΔCDF)	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.40E-09	-3.20E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-09**	**1.10E-09**	**1.80E-09**	**1.70E-09**	**2.20E-09**	**1.70E-09**	**1.90E-09**	**-5.90E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	5.90E-09	4.70E-09	4.90E-09	4.30E-09	3.80E-09	1.00E-08	9.30E-09	1.10E-08
URI (ΔCDF)	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.70E-09**	**2.50E-09**	**2.70E-09**	**2.10E-09**	**1.60E-09**	**7.80E-09**	**7.10E-09**	**8.80E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.10E-08	-2.10E-08	-2.10E-08
URI (ΔCDF)	2.50E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.15E-08**	**-3.34E-08**	**-3.34E-08**	**-3.34E-08**	**-3.34E-08**	**-3.04E-08**	**-3.04E-08**	**-3.04E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**
Maximum activity	0.000124	0.000136	0.000148	0.000222	0.000173	0.000176	0.000188	0.000190	0.000201	0.000243	0.000214	0.000224
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Activity	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**
Maximum activity	0.000227	0.000228	0.000250	0.000237	0.000061	0.000247	0.000249	0.000109	0.000171	0.000135	0.000137	0.000144
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**
Maximum leakage	0.030	0.020	0.020	0.020	0.010	0.030	0.170	0.040	0.120	0.100	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.2**	**0.2**	**0.2**	**0.1**	**0.3**	**1.7**	**0.4**	**1.2**	**1.0**	**0.3**	**0.2**
Reactor Coolant System Leakage	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**
Maximum leakage	0.020	0.030	0.010	0.020	0.020	0.020	0.010	1.180	0.010	0.010	0.020	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.3**	**0.1**	**0.2**	**0.2**	**0.2**	**0.1**	**11.8**	**0.1**	**0.1**	**0.2**	**0.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful opportunities	22.0	15.0	30.0	24.0	44.0	40.0	29.0	22.0
Total opportunities	23.0	17.0	34.0	27.0	45.0	40.0	29.0	22.0
Indicator value	**94.9%**	**94.5%**	**92.5%**	**92.7%**	**93.7%**	**94.8%**	**95.2%**	**95.4%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	122.0	131.0	131.0	129.0	125.0	129.0	123.0	122.0
Total Key personnel	122.0	131.0	131.0	129.0	125.0	129.0	123.0	122.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful siren-tests	119	119	119	237	118	118	119	237
Total sirens-tests	119	119	119	238	119	119	119	238
Indicator value	**99.3%**	**99.5%**	**99.5%**	**99.8%**	**99.7%**	**99.5%**	**99.5%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: November 30, 2009

Beaver Valley 1

4Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2184.0	2208.0	2209.0	2159.0	1443.3	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2183.0	2184.0	2208.0	2209.0	2159.0	1443.3	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	-2.00E-08	-2.50E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.00E-08	-9.70E-09	-7.50E-09
URI (ΔCDF)	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-07**	**-1.75E-07**	**-1.71E-07**	**-1.71E-07**	**-1.71E-07**	**-1.70E-07**	**-1.60E-07**	**-1.58E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	-8.60E-10	-7.00E-10	-7.70E-10	-9.00E-10	-1.20E-09	-1.50E-09	-1.50E-09	-1.50E-09
URI (ΔCDF)	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.26E-09**	**-3.10E-09**	**-3.17E-09**	**-3.30E-09**	**-3.60E-09**	**-3.90E-09**	**-3.90E-09**	**-3.90E-09**

Licensee Comments:

4Q/09: Planned Unavailability Baseline data changed per NEI 99-02, effective 4th quarter of 2009.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	4.40E-09	5.10E-09	5.00E-09	5.50E-09	5.00E-09	5.30E-09	-2.70E-09	-5.00E-10
URI (ΔCDF)	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.40E-09	-3.20E-09	-3.20E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-09**	**1.80E-09**	**1.70E-09**	**2.20E-09**	**1.70E-09**	**1.90E-09**	**-5.90E-09**	**-3.70E-09**

Licensee Comments:

4Q/09: Planned Unavailability Baseline data changed per NEI 99-02, effective 4th quarter of 2009.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (ΔCDF)	4.70E-09	4.90E-09	4.30E-09	3.80E-09	1.00E-08	9.30E-09	1.10E-08	2.50E-09
URI (ΔCDF)	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.50E-09**	**2.70E-09**	**2.10E-09**	**1.60E-09**	**7.80E-09**	**7.10E-09**	**8.80E-09**	**3.00E-10**

Licensee Comments:

4Q/09: Planned Unavailability Baseline data changed per NEI 99-02, effective 4th quarter of 2009.

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.30E-08
URI (ΔCDF)	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.34E-08**	**-3.34E-08**	**-3.34E-08**	**-3.34E-08**	**-3.04E-08**	**-3.04E-08**	**-3.04E-08**	**-3.24E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**
Maximum activity	0.000222	0.000173	0.000176	0.000188	0.000190	0.000201	0.000243	0.000214	0.000224	0.000227	0.000228	0.000250
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Activity	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**
Maximum activity	0.000237	0.000061	0.000247	0.000249	0.000109	0.000171	0.000135	0.000137	0.000144	0.000147	0.000159	0.000155
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**
Maximum leakage	0.020	0.010	0.030	0.170	0.040	0.120	0.100	0.030	0.020	0.020	0.030	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.1**	**0.3**	**1.7**	**0.4**	**1.2**	**1.0**	**0.3**	**0.2**	**0.2**	**0.3**	**0.1**
Reactor Coolant System Leakage	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**
Maximum leakage	0.020	0.020	0.020	0.010	1.180	0.010	0.010	0.020	0.040	0.020	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.2**	**0.2**	**0.1**	**11.8**	**0.1**	**0.1**	**0.2**	**0.4**	**0.2**	**0.3**	**0.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful opportunities	15.0	30.0	24.0	44.0	40.0	28.0	22.0	2.0
Total opportunities	17.0	34.0	27.0	45.0	40.0	29.0	22.0	2.0
Indicator value	**94.5%**	**92.5%**	**92.7%**	**93.7%**	**94.8%**	**94.8%**	**94.9%**	**94.9%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Participating Key personnel	131.0	131.0	129.0	125.0	129.0	123.0	122.0	123.0
Total Key personnel	131.0	131.0	129.0	125.0	129.0	123.0	122.0	123.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful siren-tests	119	119	237	118	118	119	237	117
Total sirens-tests	119	119	238	119	119	119	238	119
Indicator value	**99.5%**	**99.5%**	**99.8%**	**99.7%**	**99.5%**	**99.5%**	**99.5%**	**99.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: January 22, 2010

Beaver Valley 1

1Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	1443.3	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	1443.3	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	-2.50E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.00E-08	-9.70E-09	-7.50E-09	-1.12E-08
URI (ΔCDF)	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.75E-07**	**-1.71E-07**	**-1.71E-07**	**-1.71E-07**	**-1.70E-07**	**-1.60E-07**	**-1.58E-07**	**-1.60E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	-7.00E-10	-7.70E-10	-9.00E-10	-1.20E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.53E-09
URI (ΔCDF)	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.37E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.10E-09**	**-3.17E-09**	**-3.30E-09**	**-3.60E-09**	**-3.90E-09**	**-3.90E-09**	**-3.90E-09**	**-3.90E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	5.10E-09	5.00E-09	5.50E-09	5.00E-09	5.30E-09	-2.70E-09	-5.00E-10	-2.02E-09
URI (ΔCDF)	-3.30E-09	-3.30E-09	-3.30E-09	-3.30E-09	-3.40E-09	-3.20E-09	-3.20E-09	-3.24E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.80E-09**	**1.70E-09**	**2.20E-09**	**1.70E-09**	**1.90E-09**	**-5.90E-09**	**-3.70E-09**	**-5.30E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	4.90E-09	4.30E-09	3.80E-09	1.00E-08	9.30E-09	1.10E-08	2.50E-09	4.86E-09
URI (ΔCDF)	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.70E-09**	**2.10E-09**	**1.60E-09**	**7.80E-09**	**7.10E-09**	**8.80E-09**	**3.00E-10**	**2.70E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	-2.40E-08	-2.40E-08	-2.40E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.30E-08	-2.31E-08
URI (ΔCDF)	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.42E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.34E-08**	**-3.34E-08**	**-3.34E-08**	**-3.04E-08**	**-3.04E-08**	**-3.04E-08**	**-3.24E-08**	**-3.30E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**
Maximum activity	0.000188	0.000190	0.000201	0.000243	0.000214	0.000224	0.000227	0.000228	0.000250	0.000237	0.000061	0.000247
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0.1**
Reactor Coolant System Activity	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum activity	0.000249	0.000109	0.000171	0.000135	0.000137	0.000144	0.000147	0.000159	0.000155	0.000167	0.000168	0.000181
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**
Maximum leakage	0.170	0.040	0.120	0.100	0.030	0.020	0.020	0.030	0.010	0.020	0.020	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.7**	**0.4**	**1.2**	**1.0**	**0.3**	**0.2**	**0.2**	**0.3**	**0.1**	**0.2**	**0.2**	**0.2**
Reactor Coolant System Leakage	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum leakage	0.010	1.180	0.010	0.010	0.020	0.040	0.020	0.030	0.020	0.030	0.010	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**11.8**	**0.1**	**0.1**	**0.2**	**0.4**	**0.2**	**0.3**	**0.2**	**0.3**	**0.1**	**0.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful opportunities	30.0	24.0	44.0	40.0	28.0	22.0	2.0	26.0
Total opportunities	34.0	27.0	45.0	40.0	29.0	22.0	2.0	30.0
Indicator value	**92.5%**	**92.7%**	**93.7%**	**94.8%**	**94.8%**	**94.9%**	**94.9%**	**94.3%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Participating Key personnel	131.0	129.0	125.0	129.0	123.0	122.0	123.0	122.0
Total Key personnel	131.0	129.0	125.0	129.0	123.0	122.0	123.0	122.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful siren-tests	119	237	118	118	119	237	117	119
Total sirens-tests	119	238	119	119	119	238	119	119
Indicator value	**99.5%**	**99.8%**	**99.7%**	**99.5%**	**99.5%**	**99.5%**	**99.3%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: April 26, 2010

Beaver Valley 1

2Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1443.3	2208.0	2209.0	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1443.3	2208.0	2209.0	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	-2.10E-08	-2.10E-08	-2.10E-08	-2.00E-08	-9.70E-09	-7.50E-09	-1.12E-08	-1.16E-08
URI (ΔCDF)	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.53E-07	-1.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.71E-07**	**-1.71E-07**	**-1.71E-07**	**-1.70E-07**	**-1.60E-07**	**-1.58E-07**	**-1.60E-07**	**-1.60E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	-7.70E-10	-9.00E-10	-1.20E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.53E-09	-1.53E-09
URI (ΔCDF)	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.37E-09	-2.37E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.17E-09**	**-3.30E-09**	**-3.60E-09**	**-3.90E-09**	**-3.90E-09**	**-3.90E-09**	**-3.90E-09**	**-3.90E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	5.00E-09	5.50E-09	5.00E-09	5.30E-09	-2.70E-09	-5.00E-10	-2.02E-09	-2.37E-09
URI (ΔCDF)	-3.30E-09	-3.30E-09	-3.30E-09	-3.40E-09	-3.20E-09	-3.20E-09	-3.24E-09	-3.24E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.70E-09**	**2.20E-09**	**1.70E-09**	**1.90E-09**	**-5.90E-09**	**-3.70E-09**	**-5.30E-09**	**-5.60E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	4.30E-09	3.80E-09	1.00E-08	9.30E-09	1.10E-08	2.50E-09	4.86E-09	1.83E-09
URI (ΔCDF)	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.10E-09**	**1.60E-09**	**7.80E-09**	**7.10E-09**	**8.80E-09**	**3.00E-10**	**2.70E-09**	**-3.70E-10**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	-2.40E-08	-2.40E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.30E-08	-2.31E-08	-2.62E-08
URI (ΔCDF)	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.42E-09	-9.42E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.34E-08**	**-3.34E-08**	**-3.04E-08**	**-3.04E-08**	**-3.04E-08**	**-3.24E-08**	**-3.30E-08**	**-3.60E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**
Maximum activity	0.000243	0.000214	0.000224	0.000227	0.000228	0.000250	0.000237	0.000061	0.000247	0.000249	0.000109	0.000171
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0.1**	**0.1**	**0**	**0**
Reactor Coolant System Activity	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**
Maximum activity	0.000135	0.000137	0.000144	0.000147	0.000159	0.000155	0.000167	0.000168	0.000181	0.000183	0.000188	0.000762
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.2**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**
Maximum leakage	0.100	0.030	0.020	0.020	0.030	0.010	0.020	0.020	0.020	0.010	1.180	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.0**	**0.3**	**0.2**	**0.2**	**0.3**	**0.1**	**0.2**	**0.2**	**0.2**	**0.1**	**11.8**	**0.1**
Reactor Coolant System Leakage	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**
Maximum leakage	0.010	0.020	0.040	0.020	0.030	0.020	0.030	0.010	0.020	0.020	0.020	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.2**	**0.4**	**0.2**	**0.3**	**0.2**	**0.3**	**0.1**	**0.2**	**0.2**	**0.2**	**0.5**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	24.0	44.0	40.0	28.0	22.0	2.0	26.0	45.0
Total opportunities	27.0	45.0	40.0	29.0	22.0	2.0	30.0	45.0
Indicator value	**92.7%**	**93.7%**	**94.8%**	**94.8%**	**94.9%**	**94.9%**	**94.3%**	**96.3%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Participating Key personnel	129.0	125.0	129.0	123.0	122.0	123.0	122.0	119.0
Total Key personnel	129.0	125.0	129.0	123.0	122.0	123.0	122.0	119.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful siren-tests	237	118	118	119	237	117	119	115
Total sirens-tests	238	119	119	119	238	119	119	115
Indicator value	**99.8%**	**99.7%**	**99.5%**	**99.5%**	**99.5%**	**99.3%**	**99.5%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: July 26, 2010

Beaver Valley 1

3Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	1443.3	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	1443.3	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	-2.10E-08	-2.10E-08	-2.00E-08	-9.70E-09	-7.50E-09	-1.12E-08	-1.16E-08	-1.01E-08
URI (ΔCDF)	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.53E-07	-1.53E-07	-1.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.71E-07**	**-1.71E-07**	**-1.70E-07**	**-1.60E-07**	**-1.58E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	-9.00E-10	-1.20E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.53E-09	-1.53E-09	-1.53E-09
URI (ΔCDF)	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.37E-09	-2.37E-09	-2.75E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-09**	**-3.60E-09**	**-3.90E-09**	**-3.90E-09**	**-3.90E-09**	**-3.90E-09**	**-3.90E-09**	**-4.30E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	5.50E-09	5.00E-09	5.30E-09	-2.70E-09	-5.00E-10	-2.02E-09	-2.37E-09	-2.93E-09
URI (ΔCDF)	-3.30E-09	-3.30E-09	-3.40E-09	-3.20E-09	-3.20E-09	-3.24E-09	-3.24E-09	-3.24E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.20E-09**	**1.70E-09**	**1.90E-09**	**-5.90E-09**	**-3.70E-09**	**-5.30E-09**	**-5.60E-09**	**-6.20E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	3.80E-09	1.00E-08	9.30E-09	1.10E-08	2.50E-09	4.86E-09	1.83E-09	4.03E-09
URI (ΔCDF)	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.60E-09**	**7.80E-09**	**7.10E-09**	**8.80E-09**	**3.00E-10**	**2.70E-09**	**-3.70E-10**	**1.80E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	-2.40E-08	-2.10E-08	-2.10E-08	-2.10E-08	-2.30E-08	-2.31E-08	-2.62E-08	-2.63E-08
URI (ΔCDF)	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.42E-09	-9.42E-09	-9.42E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.34E-08**	**-3.04E-08**	**-3.04E-08**	**-3.04E-08**	**-3.24E-08**	**-3.30E-08**	**-3.60E-08**	**-3.60E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**
Maximum activity	0.000227	0.000228	0.000250	0.000237	0.000240	0.000247	0.000249	0.000109	0.000171	0.000135	0.000137	0.000144
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**
Maximum activity	0.000147	0.000159	0.000155	0.000167	0.000168	0.000181	0.000183	0.000188	0.000762	0.000194	0.000236	0.000201
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**

Licensee Comments:

3/09: Max I-131 data for February was inaccuately reported as documented in CR 10-82964

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**
Maximum leakage	0.020	0.030	0.010	0.020	0.020	0.020	0.010	1.180	0.010	0.010	0.020	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.3**	**0.1**	**0.2**	**0.2**	**0.2**	**0.1**	**11.8**	**0.1**	**0.1**	**0.2**	**0.4**
Reactor Coolant System Leakage	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**
Maximum leakage	0.020	0.030	0.020	0.030	0.010	0.020	0.020	0.020	0.050	0.020	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.3**	**0.2**	**0.3**	**0.1**	**0.2**	**0.2**	**0.2**	**0.5**	**0.2**	**0.3**	**0.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful opportunities	44.0	40.0	28.0	22.0	2.0	26.0	45.0	32.0
Total opportunities	45.0	40.0	29.0	22.0	2.0	30.0	45.0	32.0
Indicator value	**93.7%**	**94.8%**	**94.8%**	**94.9%**	**94.9%**	**94.3%**	**96.3%**	**97.6%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Participating Key personnel	125.0	129.0	123.0	122.0	123.0	122.0	119.0	127.0
Total Key personnel	125.0	129.0	123.0	122.0	123.0	122.0	119.0	127.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful siren-tests	118	118	119	237	117	119	115	235
Total sirens-tests	119	119	119	238	119	119	115	238
Indicator value	**99.7%**	**99.5%**	**99.5%**	**99.5%**	**99.3%**	**99.5%**	**99.5%**	**99.2%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: October 25, 2010

Beaver Valley 1

4Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	1443.3	2208.0	2209.0	2159.0	2184.0	2208.0	1430.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	1443.3	2208.0	2209.0	2159.0	2184.0	2208.0	1430.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Safety System Functional Failures	0	0	0	0	0	0	0	2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**

Licensee Comments:

4Q/10: LER 2010-001 Void in ECCS Pump Suction Header Results in Entry into TS 3.0.3.; 2010-002-000 270 Degree Circumferential Flaw Found on RHR System Drain Valve Socket Weld

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	-2.10E-08	-2.00E-08	-9.70E-09	-7.50E-09	-1.12E-08	-1.16E-08	-1.01E-08	-1.15E-08
URI (ΔCDF)	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.53E-07	-1.53E-07	-1.53E-07	-1.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.71E-07**	**-1.70E-07**	**-1.60E-07**	**-1.58E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	-1.20E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.53E-09	-1.53E-09	-1.53E-09	-1.53E-09
URI (ΔCDF)	-2.40E-09	-2.40E-09	-2.40E-09	-2.40E-09	-2.37E-09	-2.37E-09	-2.75E-09	7.20E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.60E-09**	**-3.90E-09**	**-3.90E-09**	**-3.90E-09**	**-3.90E-09**	**-3.90E-09**	**-4.30E-09**	**5.70E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	5.00E-09	5.30E-09	-2.70E-09	-5.00E-10	-2.02E-09	-2.37E-09	-2.93E-09	-1.29E-09
URI (ΔCDF)	-3.30E-09	-3.40E-09	-3.20E-09	-3.20E-09	-3.24E-09	-3.24E-09	-3.24E-09	-3.24E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.70E-09**	**1.90E-09**	**-5.90E-09**	**-3.70E-09**	**-5.30E-09**	**-5.60E-09**	**-6.20E-09**	**-4.50E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (ΔCDF)	1.00E-08	9.30E-09	1.10E-08	2.50E-09	4.86E-09	1.83E-09	4.03E-09	5.28E-09
URI (ΔCDF)	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.80E-09**	**7.10E-09**	**8.80E-09**	**3.00E-10**	**2.70E-09**	**-3.70E-10**	**1.80E-09**	**3.10E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	-2.10E-08	-2.10E-08	-2.10E-08	-2.30E-08	-2.31E-08	-2.62E-08	-2.63E-08	-2.98E-08
URI (ΔCDF)	-9.40E-09	-9.40E-09	-9.40E-09	-9.40E-09	-9.42E-09	-9.42E-09	-9.42E-09	-9.42E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.04E-08**	**-3.04E-08**	**-3.04E-08**	**-3.24E-08**	**-3.30E-08**	**-3.60E-08**	**-3.60E-08**	**-3.90E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**
Maximum activity	0.000237	0.000240	0.000247	0.000249	0.000109	0.000171	0.000135	0.000137	0.000144	0.000147	0.000159	0.000155
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**
Maximum activity	0.000167	0.000168	0.000181	0.000183	0.000188	0.000762	0.000194	0.000236	0.000201	0.000149	0.000097	0.000107
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**
Maximum leakage	0.020	0.020	0.020	0.010	1.180	0.010	0.010	0.020	0.040	0.020	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.2**	**0.2**	**0.1**	**11.8**	**0.1**	**0.1**	**0.2**	**0.4**	**0.2**	**0.3**	**0.2**
Reactor Coolant System Leakage	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**
Maximum leakage	0.030	0.010	0.020	0.020	0.020	0.050	0.020	0.030	0.020	N/A	0.020	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.1**	**0.2**	**0.2**	**0.2**	**0.5**	**0.2**	**0.3**	**0.2**	**N/A**	**0.2**	**0.8**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful opportunities	40.0	28.0	22.0	2.0	26.0	45.0	32.0	5.0
Total opportunities	40.0	29.0	22.0	2.0	30.0	45.0	32.0	5.0
Indicator value	**94.8%**	**94.8%**	**94.9%**	**94.9%**	**94.3%**	**96.3%**	**97.6%**	**97.6%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Participating Key personnel	129.0	123.0	122.0	123.0	122.0	119.0	127.0	116.0
Total Key personnel	129.0	123.0	122.0	123.0	122.0	119.0	127.0	116.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful siren-tests	118	119	237	117	119	115	235	119
Total sirens-tests	119	119	238	119	119	115	238	119
Indicator value	**99.5%**	**99.5%**	**99.5%**	**99.3%**	**99.5%**	**99.5%**	**99.2%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: January 24, 2011

Beaver Valley 1

1Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1443.3	2208.0	2209.0	2159.0	2184.0	2208.0	1430.4	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1443.3	2208.0	2209.0	2159.0	2184.0	2208.0	1430.4	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Safety System Functional Failures	0	0	0	0	0	0	2	1
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**3**

Licensee Comments:

1Q/11: LER 2010-003 Premature Lifting of ECCS Relief Valve Results in Post Accident Outside Containment Leakage Limits to be Exceeded.

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	-2.00E-08	-9.70E-09	-7.50E-09	-1.12E-08	-1.16E-08	-1.01E-08	-1.15E-08	-2.36E-08
URI (ΔCDF)	-1.50E-07	-1.50E-07	-1.50E-07	-1.53E-07	-1.53E-07	-1.53E-07	-1.53E-07	-2.23E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-07**	**-1.60E-07**	**-1.58E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-2.50E-07**

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	-1.50E-09	-1.50E-09	-1.50E-09	-1.53E-09	-1.53E-09	-1.53E-09	-1.53E-09	-3.35E-08
URI (ΔCDF)	-2.40E-09	-2.40E-09	-2.40E-09	-2.37E-09	-2.37E-09	-2.75E-09	7.20E-09	1.23E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.90E-09**	**-3.90E-09**	**-3.90E-09**	**-3.90E-09**	**-3.90E-09**	**-4.30E-09**	**5.70E-09**	**8.90E-08**

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	5.30E-09	-2.70E-09	-5.00E-10	-2.02E-09	-2.37E-09	-2.93E-09	-1.29E-09	1.10E-09
URI (ΔCDF)	-3.40E-09	-3.20E-09	-3.20E-09	-3.24E-09	-3.24E-09	-3.24E-09	-3.24E-09	-4.84E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.90E-09**	**-5.90E-09**	**-3.70E-09**	**-5.30E-09**	**-5.60E-09**	**-6.20E-09**	**-4.50E-09**	**-3.70E-09**

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	9.30E-09	1.10E-08	2.50E-09	4.86E-09	1.83E-09	4.03E-09	5.28E-09	1.30E-08
URI (ΔCDF)	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-3.35E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.10E-09**	**8.80E-09**	**3.00E-10**	**2.70E-09**	**-3.70E-10**	**1.80E-09**	**3.10E-09**	**9.60E-09**

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	-2.10E-08	-2.10E-08	-2.30E-08	-2.31E-08	-2.62E-08	-2.63E-08	-2.98E-08	-1.04E-07
URI (ΔCDF)	-9.40E-09	-9.40E-09	-9.40E-09	-9.42E-09	-9.42E-09	-9.42E-09	-9.42E-09	-4.32E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.04E-08**	**-3.04E-08**	**-3.24E-08**	**-3.30E-08**	**-3.60E-08**	**-3.60E-08**	**-3.90E-08**	**-1.50E-07**

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum activity	0.000249	0.000109	0.000171	0.000135	0.000137	0.000144	0.000147	0.000159	0.000155	0.000167	0.000168	0.000181
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**

Reactor Coolant System Activity	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum activity	0.000183	0.000188	0.000762	0.000194	0.000236	0.000201	0.000149	0.000097	0.000107	0.000116	0.000124	0.000130
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum leakage	0.010	1.180	0.010	0.010	0.020	0.040	0.020	0.030	0.020	0.030	0.010	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**11.8**	**0.1**	**0.1**	**0.2**	**0.4**	**0.2**	**0.3**	**0.2**	**0.3**	**0.1**	**0.2**
Reactor Coolant System Leakage	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum leakage	0.020	0.020	0.050	0.020	0.030	0.020	N/A	0.020	0.080	0.030	0.010	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.2**	**0.5**	**0.2**	**0.3**	**0.2**	**N/A**	**0.2**	**0.8**	**0.3**	**0.1**	**0.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful opportunities	28.0	22.0	2.0	26.0	45.0	32.0	5.0	5.0
Total opportunities	29.0	22.0	2.0	30.0	45.0	32.0	5.0	5.0
Indicator value	**94.8%**	**94.9%**	**94.9%**	**94.3%**	**96.3%**	**97.6%**	**97.6%**	**97.1%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Participating Key personnel	123.0	122.0	123.0	122.0	119.0	127.0	116.0	167.0
Total Key personnel	123.0	122.0	123.0	122.0	119.0	127.0	116.0	167.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful siren-tests	119	237	117	119	115	235	119	119
Total sirens-tests	119	238	119	119	115	238	119	119
Indicator value	**99.5%**	**99.5%**	**99.3%**	**99.5%**	**99.5%**	**99.2%**	**99.5%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: May 4, 2011

Beaver Valley 1

2Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	1430.4	2159.0	2136.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	1430.4	2159.0	2136.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Safety System Functional Failures	0	0	0	0	0	2	1	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**2**	**3**	**3**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	-9.70E-09	-7.50E-09	-1.12E-08	-1.16E-08	-1.01E-08	-1.15E-08	-2.36E-08	-2.35E-08
URI (ΔCDF)	-1.50E-07	-1.50E-07	-1.53E-07	-1.53E-07	-1.53E-07	-1.53E-07	-2.23E-07	-2.23E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.58E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-2.50E-07**	**-2.50E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	-1.50E-09	-1.50E-09	-1.53E-09	-1.53E-09	-1.53E-09	-1.53E-09	-3.35E-08	-3.35E-08
URI (ΔCDF)	-2.40E-09	-2.40E-09	-2.37E-09	-2.37E-09	-2.75E-09	7.20E-09	1.23E-07	1.23E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.90E-09**	**-3.90E-09**	**-3.90E-09**	**-3.90E-09**	**-4.30E-09**	**5.70E-09**	**8.90E-08**	**8.90E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	-2.70E-09	-5.00E-10	-2.02E-09	-2.37E-09	-2.93E-09	-1.29E-09	1.10E-09	-1.46E-09
URI (ΔCDF)	-3.20E-09	-3.20E-09	-3.24E-09	-3.24E-09	-3.24E-09	-3.24E-09	-4.84E-09	-4.84E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.90E-09**	**-3.70E-09**	**-5.30E-09**	**-5.60E-09**	**-6.20E-09**	**-4.50E-09**	**-3.70E-09**	**-6.30E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	1.10E-08	2.50E-09	4.86E-09	1.83E-09	4.03E-09	5.28E-09	1.30E-08	1.41E-08
URI (ΔCDF)	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-3.35E-09	-3.35E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.80E-09**	**3.00E-10**	**2.70E-09**	**-3.70E-10**	**1.80E-09**	**3.10E-09**	**9.60E-09**	**1.10E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	-2.10E-08	-2.30E-08	-2.31E-08	-2.62E-08	-2.63E-08	-2.98E-08	-1.04E-07	-1.04E-07
URI (ΔCDF)	-9.40E-09	-9.40E-09	-9.42E-09	-9.42E-09	-9.42E-09	-9.42E-09	-4.32E-08	-4.32E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.04E-08**	**-3.24E-08**	**-3.30E-08**	**-3.60E-08**	**-3.60E-08**	**-3.90E-08**	**-1.50E-07**	**-1.50E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**
Maximum activity	0.000135	0.000137	0.000144	0.000147	0.000159	0.000155	0.000167	0.000168	0.000181	0.000183	0.000188	0.000762
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.2**
Reactor Coolant System Activity	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**
Maximum activity	0.000194	0.000236	0.000201	0.000149	0.000097	0.000107	0.000116	0.000124	0.000130	0.000130	0.000136	0.000134
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**
Maximum leakage	0.010	0.020	0.040	0.020	0.030	0.020	0.030	0.010	0.020	0.020	0.020	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.2**	**0.4**	**0.2**	**0.3**	**0.2**	**0.3**	**0.1**	**0.2**	**0.2**	**0.2**	**0.5**
Reactor Coolant System Leakage	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**
Maximum leakage	0.020	0.030	0.020	N/A	0.020	0.080	0.030	0.010	0.020	0.050	0.020	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.3**	**0.2**	**N/A**	**0.2**	**0.8**	**0.3**	**0.1**	**0.2**	**0.5**	**0.2**	**0.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful opportunities	22.0	2.0	26.0	45.0	26.0	5.0	10.0	18.0
Total opportunities	22.0	2.0	30.0	45.0	26.0	5.0	11.0	19.0
Indicator value	**94.9%**	**94.9%**	**94.3%**	**96.3%**	**97.5%**	**97.5%**	**96.5%**	**96.3%**

Licensee Comments:

1Q/11: Previously reported values for 2011-01 were in error. (See Condition Reports 11-94235 and 11-94392)

3Q/10: Previously reported values for 2010-09 were in error. (See Condition Reports 11-94235 and 11-94392)

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Participating Key personnel	122.0	123.0	122.0	119.0	121.0	116.0	167.0	167.0
Total Key personnel	122.0	123.0	122.0	119.0	121.0	116.0	167.0	167.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments:

3Q/10: Previously reported values for 2010-09 were in error. (See Condition Reports 11-94235 and 11-94392)

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful siren-tests	237	117	119	115	235	119	119	113
Total sirens-tests	238	119	119	115	238	119	119	115
Indicator value	**99.5%**	**99.3%**	**99.5%**	**99.5%**	**99.2%**	**99.5%**	**99.5%**	**99.2%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: July 22, 2011

Beaver Valley 1

3Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1430.4	2159.0	2136.4	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1430.4	2159.0	2136.4	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Safety System Functional Failures	0	0	0	0	2	1	0	0
Indicator value	**0**	**0**	**0**	**0**	**2**	**3**	**3**	**3**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	-7.50E-09	-1.12E-08	-1.16E-08	-1.01E-08	-1.15E-08	-2.36E-08	-2.35E-08	-2.23E-08
URI (ΔCDF)	-1.50E-07	-1.53E-07	-1.53E-07	-1.53E-07	-1.53E-07	-2.23E-07	-2.23E-07	-2.23E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.58E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-2.50E-07**	**-2.50E-07**	**-2.50E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	-1.50E-09	-1.53E-09	-1.53E-09	-1.53E-09	-1.53E-09	-3.35E-08	-3.35E-08	-3.35E-08
URI (ΔCDF)	-2.40E-09	-2.37E-09	-2.37E-09	-2.75E-09	7.20E-09	1.23E-07	1.23E-07	1.23E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.90E-09**	**-3.90E-09**	**-3.90E-09**	**-4.30E-09**	**5.70E-09**	**8.90E-08**	**8.90E-08**	**8.90E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	-5.00E-10	-2.02E-09	-2.37E-09	-2.93E-09	-1.29E-09	1.10E-09	-1.46E-09	-1.56E-09
URI (ΔCDF)	-3.20E-09	-3.24E-09	-3.24E-09	-3.24E-09	-3.24E-09	-4.84E-09	-4.84E-09	-4.84E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.70E-09**	**-5.30E-09**	**-5.60E-09**	**-6.20E-09**	**-4.50E-09**	**-3.70E-09**	**-6.30E-09**	**-6.40E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	2.50E-09	4.86E-09	1.83E-09	4.03E-09	5.28E-09	1.30E-08	1.41E-08	1.54E-08
URI (ΔCDF)	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-3.35E-09	-3.35E-09	-3.35E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.00E-10**	**2.70E-09**	**-3.70E-10**	**1.80E-09**	**3.10E-09**	**9.60E-09**	**1.10E-08**	**1.20E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	-2.30E-08	-2.31E-08	-2.62E-08	-2.63E-08	-2.98E-08	-1.04E-07	-1.04E-07	-1.04E-07
URI (ΔCDF)	-9.40E-09	-9.42E-09	-9.42E-09	-9.42E-09	-9.42E-09	-4.32E-08	-4.32E-08	-4.32E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.24E-08**	**-3.30E-08**	**-3.60E-08**	**-3.60E-08**	**-3.90E-08**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**
Maximum activity	0.000147	0.000159	0.000155	0.000167	0.000168	0.000181	0.000183	0.000188	0.000762	0.000194	0.000236	0.000201
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Activity	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**
Maximum activity	0.000149	0.000097	0.000107	0.000116	0.000124	0.000130	0.000130	0.000136	0.000134	0.000137	0.000145	0.000143
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**
Maximum leakage	0.020	0.030	0.020	0.030	0.010	0.020	0.020	0.020	0.050	0.020	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.3**	**0.2**	**0.3**	**0.1**	**0.2**	**0.2**	**0.2**	**0.5**	**0.2**	**0.3**	**0.2**
Reactor Coolant System Leakage	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**
Maximum leakage	N/A	0.020	0.080	0.030	0.010	0.020	0.050	0.020	0.020	0.010	0.010	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**N/A**	**0.2**	**0.8**	**0.3**	**0.1**	**0.2**	**0.5**	**0.2**	**0.2**	**0.1**	**0.1**	**0.3**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful opportunities	2.0	26.0	45.0	26.0	5.0	10.0	18.0	17.0
Total opportunities	2.0	30.0	45.0	26.0	5.0	11.0	19.0	20.0
Indicator value	**94.9%**	**94.3%**	**96.3%**	**97.5%**	**97.5%**	**96.5%**	**96.3%**	**94.3%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Participating Key personnel	123.0	122.0	119.0	121.0	116.0	167.0	167.0	170.0
Total Key personnel	123.0	122.0	119.0	121.0	116.0	167.0	167.0	170.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful siren-tests	117	119	115	235	119	119	113	1523
Total sirens-tests	119	119	115	238	119	119	115	1527
Indicator value	**99.3%**	**99.5%**	**99.5%**	**99.2%**	**99.5%**	**99.5%**	**99.2%**	**99.7%**

Licensee Comments:

3Q/11: This submittal includes a change in the reporting of the ANS Reliability. The revised Beaver Valley siren test plan that was approved by FEMA in a letter dated June 13, 2011, increased the amount of required siren tests that are reported under this performance indicator.

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: November 29, 2011

Beaver Valley 1

4Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	1430.4	2159.0	2136.4	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	1430.4	2159.0	2136.4	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Safety System Functional Failures	0	0	0	2	1	0	0	0
Indicator value	**0**	**0**	**0**	**2**	**3**	**3**	**3**	**1**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	-1.12E-08	-1.16E-08	-1.01E-08	-1.15E-08	-2.36E-08	-2.35E-08	-2.23E-08	-2.25E-08
URI (ΔCDF)	-1.53E-07	-1.53E-07	-1.53E-07	-1.53E-07	-2.23E-07	-2.23E-07	-2.23E-07	-2.23E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-2.50E-07**	**-2.50E-07**	**-2.50E-07**	**-2.50E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	-1.53E-09	-1.53E-09	-1.53E-09	-1.53E-09	-3.35E-08	-3.35E-08	-3.35E-08	-3.35E-08
URI (ΔCDF)	-2.37E-09	-2.37E-09	-2.75E-09	7.20E-09	1.23E-07	1.23E-07	1.23E-07	1.23E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.90E-09**	**-3.90E-09**	**-4.30E-09**	**5.70E-09**	**8.90E-08**	**8.90E-08**	**8.90E-08**	**8.90E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	-2.02E-09	-2.37E-09	-2.93E-09	-1.29E-09	1.10E-09	-1.46E-09	-1.56E-09	-3.27E-10
URI (ΔCDF)	-3.24E-09	-3.24E-09	-3.24E-09	-3.24E-09	-4.84E-09	-4.84E-09	-4.84E-09	-4.84E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-09**	**-5.60E-09**	**-6.20E-09**	**-4.50E-09**	**-3.70E-09**	**-6.30E-09**	**-6.40E-09**	**-5.20E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	4.86E-09	1.83E-09	4.03E-09	5.28E-09	1.30E-08	1.41E-08	1.54E-08	1.79E-08
URI (ΔCDF)	-2.20E-09	-2.20E-09	-2.20E-09	-2.20E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.70E-09**	**-3.70E-10**	**1.80E-09**	**3.10E-09**	**9.60E-09**	**1.10E-08**	**1.20E-08**	**1.50E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	-2.31E-08	-2.62E-08	-2.63E-08	-2.98E-08	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07
URI (ΔCDF)	-9.42E-09	-9.42E-09	-9.42E-09	-9.42E-09	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-08**	**-3.60E-08**	**-3.60E-08**	**-3.90E-08**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**
Maximum activity	0.000167	0.000168	0.000181	0.000183	0.000188	0.000762	0.000194	0.000236	0.000201	0.000149	0.000097	0.000107
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**	**0**	**0**	**0**
Reactor Coolant System Activity	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**
Maximum activity	0.000116	0.000124	0.000130	0.000130	0.000136	0.000134	0.000137	0.000145	0.000143	0.000153	0.000163	0.000160
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**
Maximum leakage	0.030	0.010	0.020	0.020	0.020	0.050	0.020	0.030	0.020	N/A	0.020	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.1**	**0.2**	**0.2**	**0.2**	**0.5**	**0.2**	**0.3**	**0.2**	**N/A**	**0.2**	**0.8**
Reactor Coolant System Leakage	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**
Maximum leakage	0.030	0.010	0.020	0.050	0.020	0.020	0.010	0.010	0.030	0.080	0.020	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.1**	**0.2**	**0.5**	**0.2**	**0.2**	**0.1**	**0.1**	**0.3**	**0.8**	**0.2**	**0.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful opportunities	26.0	45.0	26.0	5.0	10.0	18.0	17.0	31.0
Total opportunities	30.0	45.0	26.0	5.0	11.0	19.0	20.0	32.0
Indicator value	**94.3%**	**96.3%**	**97.5%**	**97.5%**	**96.5%**	**96.3%**	**94.3%**	**94.7%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Participating Key personnel	122.0	119.0	121.0	116.0	167.0	167.0	170.0	177.0
Total Key personnel	122.0	119.0	121.0	116.0	167.0	167.0	170.0	177.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful siren-tests	119	115	235	119	119	113	1523	1560
Total sirens-tests	119	115	238	119	119	115	1527	1560
Indicator value	**99.5%**	**99.5%**	**99.2%**	**99.5%**	**99.5%**	**99.2%**	**99.7%**	**99.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: February 2, 2012

Beaver Valley 1

1Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	1430.4	2159.0	2136.4	2208.0	2209.0	2183.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	1430.4	2159.0	2136.4	2208.0	2209.0	2183.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Safety System Functional Failures	0	0	2	1	0	0	0	0
Indicator value	**0**	**0**	**2**	**3**	**3**	**3**	**1**	**0**

Licensee Comments:

1Q/11: LER 2010-003 Premature Lifting of ECCS Relief Valve Results in Post Accident Outside Containment Leakage Limits to be Exceeded.

4Q/10: LER 2010-001 Void in ECCS Pump Suction Header Results in Entry into TS 3.0.3.; 2010-002-000 270 Degree Circumferential Flaw Found on RHR System Drain Valve Socket Weld

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	-1.16E-08	-1.01E-08	-1.15E-08	-2.36E-08	-2.35E-08	-2.23E-08	-2.22E-08	-9.06E-09
URI (ΔCDF)	-1.53E-07	-1.53E-07	-1.53E-07	-2.23E-07	-2.23E-07	-2.23E-07	-2.23E-07	-2.19E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-2.50E-07**	**-2.50E-07**	**-2.50E-07**	**-2.50E-07**	**-2.30E-07**

Licensee Comments:

1Q/12: Revised unavailability monitoring of the fuel oil transfer pumps per FAQ 484 and EDG run hours per FAQ 480.

4Q/11: Train B Planned Unavailable hours changed from 3.10 to 3.60 documented in CR-2012-01746 for testing done in December 2011. This does not cause an indicator color change.

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	-1.53E-09	-1.53E-09	-1.53E-09	-3.35E-08	-3.35E-08	-3.35E-08	-3.35E-08	-3.21E-08
URI (ΔCDF)	-2.37E-09	-2.75E-09	7.20E-09	1.23E-07	1.23E-07	1.23E-07	1.23E-07	1.28E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.90E-09**	**-4.30E-09**	**5.70E-09**	**8.90E-08**	**8.90E-08**	**8.90E-08**	**8.90E-08**	**9.60E-08**

Licensee Comments:

1Q/12: Frequency for testing of two HHSI suction isolation valves was changed from once per week to once per quarter. Changed estimated demands to match.

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (ΔCDF)	-2.37E-09	-2.93E-09	-1.29E-09	1.10E-09	-1.46E-09	-1.56E-09	-3.27E-10	1.39E-09
URI (ΔCDF)	-3.24E-09	-3.24E-09	-3.24E-09	-4.84E-09	-4.84E-09	-4.84E-09	-4.84E-09	-4.84E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.60E-09**	**-6.20E-09**	**-4.50E-09**	**-3.70E-09**	**-6.30E-09**	**-6.40E-09**	**-5.20E-09**	**-3.40E-09**

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	1.83E-09	4.03E-09	5.28E-09	1.30E-08	1.41E-08	1.54E-08	1.79E-08	8.80E-09
URI (ΔCDF)	-2.20E-09	-2.20E-09	-2.20E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.70E-10**	**1.80E-09**	**3.10E-09**	**9.60E-09**	**1.10E-08**	**1.20E-08**	**1.50E-08**	**5.50E-09**

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	-2.62E-08	-2.63E-08	-2.98E-08	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.07E-07
URI (ΔCDF)	-9.42E-09	-9.42E-09	-9.42E-09	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.60E-08**	**-3.60E-08**	**-3.90E-08**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum activity	0.000183	0.000188	0.000762	0.000194	0.000236	0.000201	0.000149	0.000097	0.000107	0.000116	0.000124	0.000130
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum activity	0.000130	0.000136	0.000134	0.000137	0.000145	0.000143	0.000153	0.000163	0.000160	0.000170	0.000184	0.000173
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum leakage	0.020	0.020	0.050	0.020	0.030	0.020	N/A	0.020	0.080	0.030	0.010	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.2**	**0.5**	**0.2**	**0.3**	**0.2**	**N/A**	**0.2**	**0.8**	**0.3**	**0.1**	**0.2**
Reactor Coolant System Leakage	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum leakage	0.050	0.020	0.020	0.010	0.010	0.030	0.080	0.020	0.020	0.030	0.020	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.5**	**0.2**	**0.2**	**0.1**	**0.1**	**0.3**	**0.8**	**0.2**	**0.2**	**0.3**	**0.2**	**0.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful opportunities	45.0	26.0	5.0	10.0	18.0	17.0	31.0	19.0
Total opportunities	45.0	26.0	5.0	11.0	19.0	20.0	32.0	19.0
Indicator value	**96.3%**	**97.5%**	**97.5%**	**96.5%**	**96.3%**	**94.3%**	**94.7%**	**96.6%**

Licensee Comments:

1Q/11: Previously reported values for 2011-01 were in error. (See Condition Reports 11-94235 and 11-94392)

3Q/10: Previously reported values for 2010-09 were in error. (See Condition Reports 11-94235 and 11-94392)

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	119.0	121.0	116.0	167.0	167.0	170.0	177.0	173.0
Total Key personnel	119.0	121.0	116.0	167.0	167.0	170.0	177.0	173.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments:

3Q/10: Previously reported values for 2010-09 were in error. (See Condition Reports 11-94235 and 11-94392)

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful siren-tests	115	235	119	119	113	1523	1560	1560
Total sirens-tests	115	238	119	119	115	1527	1560	1560
Indicator value	**99.5%**	**99.2%**	**99.5%**	**99.5%**	**99.2%**	**99.7%**	**99.8%**	**99.9%**

Licensee Comments:

3Q/11: This submittal includes a change in the reporting of the ANS Reliability. The revised Beaver Valley siren test plan that was approved by FEMA in a letter dated June 13, 2011, increased the amount of required siren tests that are reported under this performance indicator.

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: April 24, 2012

Beaver Valley 1

2Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	1430.4	2159.0	2136.4	2208.0	2209.0	2183.0	1424.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	1430.4	2159.0	2136.4	2208.0	2209.0	2183.0	1424.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Safety System Functional Failures	0	2	1	0	0	0	0	0
Indicator value	**0**	**2**	**3**	**3**	**3**	**1**	**0**	**0**

Licensee Comments:

1Q/11: LER 2010-003 Premature Lifting of ECCS Relief Valve Results in Post Accident Outside Containment Leakage Limits to be Exceeded.

4Q/10: LER 2010-001 Void in ECCS Pump Suction Header Results in Entry into TS 3.0.3.; 2010-002-000 270 Degree Circumferential Flaw Found on RHR System Drain Valve Socket Weld

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**
UAI (ΔCDF)	-1.01E-08	-1.15E-08	-2.36E-08	-2.35E-08	-2.23E-08	-2.22E-08	-9.06E-09	-8.80E-09
URI (ΔCDF)	-1.53E-07	-1.53E-07	-2.23E-07	-2.23E-07	-2.23E-07	-2.23E-07	-2.19E-07	-2.14E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.60E-07**	**-2.50E-07**	**-2.50E-07**	**-2.50E-07**	**-2.50E-07**	**-2.30E-07**	**-2.20E-07**

Licensee Comments:

1Q/12: Revised unavailability monitoring of the fuel oil transfer pumps per FAQ 484 and EDG run hours per FAQ 480.

4Q/11: Train B Planned Unavailable hours changed from 3.10 to 3.60 documented in CR-2012-01746 for testing done in December 2011. This does not cause an indicator color change.

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**
UAI (ΔCDF)	-1.53E-09	-1.53E-09	-3.35E-08	-3.35E-08	-3.35E-08	-3.35E-08	-3.21E-08	-3.11E-08
URI (ΔCDF)	-2.75E-09	7.20E-09	1.23E-07	1.23E-07	1.23E-07	1.23E-07	1.28E-07	1.33E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.30E-09**	**5.70E-09**	**8.90E-08**	**8.90E-08**	**8.90E-08**	**8.90E-08**	**9.60E-08**	**1.00E-07**

Licensee Comments:

1Q/12: Frequency for testing of two HHSI suction isolation valves was changed from once per week to once per quarter. Changed estimated demands to match.

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	-2.93E-09	-1.29E-09	1.10E-09	-1.46E-09	-1.56E-09	-3.27E-10	1.39E-09	1.34E-09
URI (ΔCDF)	-3.24E-09	-3.24E-09	-4.84E-09	-4.84E-09	-4.84E-09	-4.84E-09	-4.84E-09	-4.75E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.20E-09**	**-4.50E-09**	**-3.70E-09**	**-6.30E-09**	**-6.40E-09**	**-5.20E-09**	**-3.40E-09**	**-3.40E-09**

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	4.03E-09	5.28E-09	1.30E-08	1.41E-08	1.54E-08	1.79E-08	8.80E-09	8.96E-09
URI (ΔCDF)	-2.20E-09	-2.20E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.80E-09**	**3.10E-09**	**9.60E-09**	**1.10E-08**	**1.20E-08**	**1.50E-08**	**5.50E-09**	**5.60E-09**

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	-2.63E-08	-2.98E-08	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.07E-07	-1.05E-07
URI (ΔCDF)	-9.42E-09	-9.42E-09	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.60E-08**	**-3.90E-08**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**
Maximum activity	0.000194	0.000236	0.000201	0.000149	0.000097	0.000107	0.000116	0.000124	0.000130	0.000130	0.000136	0.000134
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0.1**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**
Maximum activity	0.000137	0.000145	0.000143	0.000153	0.000163	0.000160	0.000170	0.000184	0.000173	0.000164	0.000085	0.000094
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**
Maximum leakage	0.020	0.030	0.020	N/A	0.020	0.080	0.030	0.010	0.020	0.050	0.020	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.3**	**0.2**	**N/A**	**0.2**	**0.8**	**0.3**	**0.1**	**0.2**	**0.5**	**0.2**	**0.2**
Reactor Coolant System Leakage	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**
Maximum leakage	0.010	0.010	0.030	0.080	0.020	0.020	0.030	0.020	0.010	0.010	0.050	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.1**	**0.3**	**0.8**	**0.2**	**0.2**	**0.3**	**0.2**	**0.1**	**0.1**	**0.5**	**0.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful opportunities	26.0	5.0	10.0	18.0	17.0	31.0	19.0	89.0
Total opportunities	26.0	5.0	11.0	19.0	20.0	32.0	19.0	90.0
Indicator value	**97.5%**	**97.5%**	**96.5%**	**96.3%**	**94.3%**	**94.7%**	**96.6%**	**96.8%**

Licensee Comments:

1Q/11: Previously reported values for 2011-01 were in error. (See Condition Reports 11-94235 and 11-94392)

3Q/10: Previously reported values for 2010-09 were in error. (See Condition Reports 11-94235 and 11-94392)

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Participating Key personnel	121.0	116.0	167.0	167.0	170.0	177.0	173.0	169.0
Total Key personnel	121.0	116.0	167.0	167.0	170.0	177.0	173.0	169.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments:

3Q/10: Previously reported values for 2010-09 were in error. (See Condition Reports 11-94235 and 11-94392)

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful siren-tests	235	119	119	113	1523	1560	1560	1559
Total sirens-tests	238	119	119	115	1527	1560	1560	1560
Indicator value	**99.2%**	**99.5%**	**99.5%**	**99.2%**	**99.7%**	**99.8%**	**99.9%**	**99.9%**

Licensee Comments:

3Q/11: This submittal includes a change in the reporting of the ANS Reliability. The revised Beaver Valley siren test plan that was approved by FEMA in a letter dated June 13, 2011, increased the amount of required siren tests that are reported under this performance indicator.

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Beaver Valley 1

3Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1430.4	2159.0	2136.4	2208.0	2209.0	2183.0	1424.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1430.4	2159.0	2136.4	2208.0	2209.0	2183.0	1424.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Safety System Functional Failures	2	1	0	0	0	0	0	0
Indicator value	**2**	**3**	**3**	**3**	**1**	**0**	**0**	**0**

Licensee Comments:

1Q/11: LER 2010-003 Premature Lifting of ECCS Relief Valve Results in Post Accident Outside Containment Leakage Limits to be Exceeded.

4Q/10: LER 2010-001 Void in ECCS Pump Suction Header Results in Entry into TS 3.0.3.; 2010-002-000 270 Degree Circumferential Flaw Found on RHR System Drain Valve Socket Weld

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	-1.15E-08	-2.36E-08	-2.35E-08	-2.23E-08	-2.22E-08	-9.06E-09	-8.80E-09	-1.44E-08
URI (ΔCDF)	-1.53E-07	-2.23E-07	-2.23E-07	-2.23E-07	-2.23E-07	-2.19E-07	-2.14E-07	-2.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-2.50E-07**	**-2.50E-07**	**-2.50E-07**	**-2.50E-07**	**-2.30E-07**	**-2.20E-07**	**-2.20E-07**

Licensee Comments:

1Q/12: Revised unavailability monitoring of the fuel oil transfer pumps per FAQ 484 and EDG run hours per FAQ 480.

4Q/11: Train B Planned Unavailable hours changed from 3.10 to 3.60 documented in CR-2012-01746 for testing done in December 2011. This does not cause an indicator color change.

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	-1.53E-09	-3.35E-08	-3.35E-08	-3.35E-08	-3.35E-08	-3.21E-08	-3.11E-08	-3.13E-08
URI (ΔCDF)	7.20E-09	1.23E-07	1.23E-07	1.23E-07	1.23E-07	1.28E-07	1.33E-07	1.38E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.70E-09**	**8.90E-08**	**8.90E-08**	**8.90E-08**	**8.90E-08**	**9.60E-08**	**1.00E-07**	**1.10E-07**

Licensee Comments:

1Q/12: Frequency for testing of two HHSI suction isolation valves was changed from once per week to once per quarter. Changed estimated demands to match.

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	-1.29E-09	1.10E-09	-1.46E-09	-1.56E-09	-3.27E-10	1.39E-09	1.34E-09	3.18E-09
URI (ΔCDF)	-3.24E-09	-4.84E-09	-4.84E-09	-4.84E-09	-4.84E-09	-4.84E-09	-4.75E-09	-4.75E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.50E-09**	**-3.70E-09**	**-6.30E-09**	**-6.40E-09**	**-5.20E-09**	**-3.40E-09**	**-3.40E-09**	**-1.60E-09**

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	5.28E-09	1.30E-08	1.41E-08	1.54E-08	1.79E-08	8.80E-09	8.96E-09	9.62E-09
URI (ΔCDF)	-2.20E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.10E-09**	**9.60E-09**	**1.10E-08**	**1.20E-08**	**1.50E-08**	**5.50E-09**	**5.60E-09**	**6.30E-09**

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	-2.98E-08	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.07E-07	-1.05E-07	-1.04E-07
URI (ΔCDF)	-9.42E-09	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.90E-08**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**
Maximum activity	0.000149	0.000097	0.000107	0.000116	0.000124	0.000130	0.000130	0.000136	0.000134	0.000137	0.000145	0.000143
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**
Maximum activity	0.000153	0.000163	0.000160	0.000170	0.000184	0.000173	0.000164	0.000085	0.000094	0.000093	0.000102	0.000115
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**
Maximum leakage	N/A	0.020	0.080	0.030	0.010	0.020	0.050	0.020	0.020	0.010	0.010	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**N/A**	**0.2**	**0.8**	**0.3**	**0.1**	**0.2**	**0.5**	**0.2**	**0.2**	**0.1**	**0.1**	**0.3**
Reactor Coolant System Leakage	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**
Maximum leakage	0.080	0.020	0.020	0.030	0.020	0.010	0.010	0.050	0.010	0.150	0.010	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.8**	**0.2**	**0.2**	**0.3**	**0.2**	**0.1**	**0.1**	**0.5**	**0.1**	**1.5**	**0.1**	**0.5**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful opportunities	5.0	10.0	18.0	17.0	31.0	19.0	89.0	28.0
Total opportunities	5.0	11.0	19.0	20.0	32.0	19.0	90.0	28.0
Indicator value	**97.5%**	**96.5%**	**96.3%**	**94.3%**	**94.7%**	**96.6%**	**96.8%**	**96.9%**

Licensee Comments:

1Q/11: Previously reported values for 2011-01 were in error. (See Condition Reports 11-94235 and 11-94392)

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Participating Key personnel	116.0	167.0	167.0	170.0	177.0	173.0	169.0	170.0
Total Key personnel	116.0	167.0	167.0	170.0	177.0	173.0	169.0	170.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful siren-tests	119	119	113	1523	1560	1560	1559	1553
Total sirens-tests	119	119	115	1527	1560	1560	1560	1560
Indicator value	**99.5%**	**99.5%**	**99.2%**	**99.7%**	**99.8%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments:

3Q/11: This submittal includes a change in the reporting of the ANS Reliability. The revised Beaver Valley siren test plan that was approved by FEMA in a letter dated June 13, 2011, increased the amount of required siren tests that are reported under this performance indicator.

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: October 24, 2012

Beaver Valley 1

4Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	2136.4	2208.0	2209.0	2183.0	1424.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	2136.4	2208.0	2209.0	2183.0	1424.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Safety System Functional Failures	1	0	0	0	0	0	0	0
Indicator value	**3**	**3**	**3**	**1**	**0**	**0**	**0**	**0**

Licensee Comments:

1Q/11: LER 2010-003 Premature Lifting of ECCS Relief Valve Results in Post Accident Outside Containment Leakage Limits to be Exceeded.

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**
UAI (ΔCDF)	-2.36E-08	-2.35E-08	-2.23E-08	-2.22E-08	-9.06E-09	-8.80E-09	-1.44E-08	-1.60E-08
URI (ΔCDF)	-2.23E-07	-2.23E-07	-2.23E-07	-2.23E-07	-2.19E-07	-2.14E-07	-2.10E-07	-2.06E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.50E-07**	**-2.50E-07**	**-2.50E-07**	**-2.50E-07**	**-2.30E-07**	**-2.20E-07**	**-2.20E-07**	**-2.20E-07**

Licensee Comments:

1Q/12: Revised unavailability monitoring of the fuel oil transfer pumps per FAQ 484 and EDG run hours per FAQ 480.

4Q/11: Train B Planned Unavailable hours changed from 3.10 to 3.60 documented in CR-2012-01746 for testing done in December 2011. This does not cause an indicator color change.

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**
UAI (ΔCDF)	-3.35E-08	-3.35E-08	-3.35E-08	-3.35E-08	-3.21E-08	-3.11E-08	-3.13E-08	-3.35E-08
URI (ΔCDF)	1.23E-07	1.23E-07	1.23E-07	1.23E-07	1.28E-07	1.33E-07	1.38E-07	1.43E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.90E-08**	**8.90E-08**	**8.90E-08**	**8.90E-08**	**9.60E-08**	**1.00E-07**	**1.10E-07**	**1.10E-07**

Licensee Comments:

1Q/12: Frequency for testing of two HHSI suction isolation valves was changed from once per week to once per quarter. Changed estimated demands to match.

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	1.10E-09	-1.46E-09	-1.56E-09	-3.27E-10	1.39E-09	1.34E-09	3.18E-09	2.04E-09
URI (ΔCDF)	-4.84E-09	-4.84E-09	-4.84E-09	-4.84E-09	-4.84E-09	-4.75E-09	-4.75E-09	-4.75E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.70E-09**	**-6.30E-09**	**-6.40E-09**	**-5.20E-09**	**-3.40E-09**	**-3.40E-09**	**-1.60E-09**	**-2.70E-09**

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	1.30E-08	1.41E-08	1.54E-08	1.79E-08	8.80E-09	8.96E-09	9.62E-09	1.02E-08
URI (ΔCDF)	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.60E-09**	**1.10E-08**	**1.20E-08**	**1.50E-08**	**5.50E-09**	**5.60E-09**	**6.30E-09**	**6.90E-09**

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.07E-07	-1.05E-07	-1.04E-07	-1.04E-07
URI (ΔCDF)	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**

Licensee Comments:

1Q/11: Changed PRA Parameter(s). PRA Model Change PRA-BV1-AL-R05, effective 12/31/2010.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**
Maximum activity	0.000116	0.000124	0.000130	0.000130	0.000136	0.000134	0.000137	0.000145	0.000143	0.000153	0.000163	0.000160
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**
Maximum activity	0.000170	0.000184	0.000173	0.000164	0.000085	0.000094	0.000093	0.000102	0.000115	0.000108	0.000110	0.000110
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**
Maximum leakage	0.030	0.010	0.020	0.050	0.020	0.020	0.010	0.010	0.030	0.080	0.020	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.1**	**0.2**	**0.5**	**0.2**	**0.2**	**0.1**	**0.1**	**0.3**	**0.8**	**0.2**	**0.2**
Reactor Coolant System Leakage	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**
Maximum leakage	0.030	0.020	0.010	0.010	0.050	0.010	0.150	0.010	0.050	0.040	0.060	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.2**	**0.1**	**0.1**	**0.5**	**0.1**	**1.5**	**0.1**	**0.5**	**0.4**	**0.6**	**0.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful opportunities	10.0	18.0	17.0	31.0	19.0	89.0	28.0	6.0
Total opportunities	11.0	19.0	20.0	32.0	19.0	90.0	28.0	6.0
Indicator value	**96.5%**	**96.3%**	**94.3%**	**94.7%**	**96.6%**	**96.8%**	**96.9%**	**96.9%**

Licensee Comments:

1Q/11: Previously reported values for 2011-01 were in error. (See Condition Reports 11-94235 and 11-94392)

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Participating Key personnel	167.0	167.0	170.0	177.0	173.0	169.0	170.0	173.0
Total Key personnel	167.0	167.0	170.0	177.0	173.0	169.0	170.0	173.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful siren-tests	119	113	1523	1560	1560	1559	1553	1560
Total sirens-tests	119	115	1527	1560	1560	1560	1560	1560
Indicator value	**99.5%**	**99.2%**	**99.7%**	**99.8%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments:

3Q/11: This submittal includes a change in the reporting of the ANS Reliability. The revised Beaver Valley siren test plan that was approved by FEMA in a letter dated June 13, 2011, increased the amount of required siren tests that are reported under this performance indicator.

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Beaver Valley 1

1Q/2013 Performance Indicators

Licensee's General Comments: Previous months of EP Drill/Exercise Performance (DEP) indicator data were revised as a result of Condition Report CR-2013-02962. The DEP indicator remains green.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2136.4	2208.0	2209.0	2183.0	1424.0	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2136.4	2208.0	2209.0	2183.0	1424.0	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**3**	**3**	**1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	-2.35E-08	-2.23E-08	-2.22E-08	-9.06E-09	-8.80E-09	-1.44E-08	-1.60E-08	-1.35E-08
URI (ΔCDF)	-2.23E-07	-2.23E-07	-2.23E-07	-2.19E-07	-2.14E-07	-2.10E-07	-2.06E-07	-2.02E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.50E-07**	**-2.50E-07**	**-2.50E-07**	**-2.30E-07**	**-2.20E-07**	**-2.20E-07**	**-2.20E-07**	**-2.20E-07**

Licensee Comments:

1Q/12: Revised unavailability monitoring of the fuel oil transfer pumps per FAQ 484 and EDG run hours per FAQ 480.

4Q/11: Train B Planned Unavailable hours changed from 3.10 to 3.60 documented in CR-2012-01746 for testing done in December 2011. This does not cause an indicator color change.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	-3.35E-08	-3.35E-08	-3.35E-08	-3.21E-08	-3.11E-08	-3.13E-08	-3.35E-08	-3.35E-08
URI (ΔCDF)	1.23E-07	1.23E-07	1.23E-07	1.28E-07	1.33E-07	1.38E-07	1.43E-07	1.49E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.90E-08**	**8.90E-08**	**8.90E-08**	**9.60E-08**	**1.00E-07**	**1.10E-07**	**1.10E-07**	**1.20E-07**

Licensee Comments:

1Q/12: Frequency for testing of two HHSI suction isolation valves was changed from once per week to once per quarter. Changed estimated demands to match.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	-1.46E-09	-1.56E-09	-3.27E-10	1.39E-09	1.34E-09	3.18E-09	2.04E-09	2.21E-09
URI (ΔCDF)	-4.84E-09	-4.84E-09	-4.84E-09	-4.84E-09	-4.75E-09	-4.75E-09	-4.75E-09	-4.75E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.30E-09**	**-6.40E-09**	**-5.20E-09**	**-3.40E-09**	**-3.40E-09**	**-1.60E-09**	**-2.70E-09**	**-2.50E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	1.41E-08	1.54E-08	1.79E-08	8.80E-09	8.96E-09	9.62E-09	1.02E-08	6.78E-09
URI (ΔCDF)	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-08**	**1.20E-08**	**1.50E-08**	**5.50E-09**	**5.60E-09**	**6.30E-09**	**6.90E-09**	**3.40E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	-1.04E-07	-1.04E-07	-1.04E-07	-1.07E-07	-1.05E-07	-1.04E-07	-1.04E-07	-1.04E-07
URI (ΔCDF)	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum activity	0.000130	0.000136	0.000134	0.000137	0.000145	0.000143	0.000153	0.000163	0.000160	0.000170	0.000184	0.000173
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**

Reactor Coolant System Activity	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**
Maximum activity	0.000164	0.000085	0.000094	0.000093	0.000102	0.000115	0.000108	0.000110	0.000110	0.000120	0.000115	0.000127
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum leakage	0.050	0.020	0.020	0.010	0.010	0.030	0.080	0.020	0.020	0.030	0.020	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.5**	**0.2**	**0.2**	**0.1**	**0.1**	**0.3**	**0.8**	**0.2**	**0.2**	**0.3**	**0.2**	**0.1**
Reactor Coolant System Leakage	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**
Maximum leakage	0.010	0.050	0.010	0.150	0.010	0.050	0.040	0.060	0.020	0.030	0	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.5**	**0.1**	**1.5**	**0.1**	**0.5**	**0.4**	**0.6**	**0.2**	**0.3**	**0**	**0.2**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful opportunities	15.0	18.0	26.0	17.0	47.0	20.0	6.0	7.0
Total opportunities	16.0	18.0	26.0	17.0	48.0	20.0	6.0	7.0
Indicator value	**96.2%**	**96.1%**	**96.6%**	**98.8%**	**98.2%**	**98.1%**	**98.1%**	**98.7%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Participating Key personnel	167.0	170.0	177.0	173.0	169.0	170.0	173.0	175.0
Total Key personnel	167.0	170.0	177.0	173.0	169.0	170.0	173.0	175.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful siren-tests	113	1523	1560	1560	1559	1553	1560	1559
Total sirens-tests	115	1527	1560	1560	1560	1560	1560	1560
Indicator value	**99.2%**	**99.7%**	**99.8%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments:

3Q/11: This submittal includes a change in the reporting of the ANS Reliability. The revised Beaver Valley siren test plan that was approved by FEMA in a letter dated June 13, 2011, increased the amount of required siren tests that are reported under this performance indicator.

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: April 23, 2013

Beaver Valley 1

2Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: The Beaver Valley Power Station Unit 1 PRA Model Revision 5a was approved on 01/11/13 with a corresponding MSPI Basis Document Revision 7 approved on 06/30/13. The PRA model update was an interim revision to primarily incorporate an updated internal flooding analysis based on the latest EPRI methodology and pipe rupture frequencies. The BVPS-1 Revision 5A PRA model is now in compliance with RG 1.200, Revision 1. As a result of this interim PRA model issuance, the CDF, Fussell-Vesely, Birnbaum, and Probabilities for monitored trains and components were revised.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	1424.0	2208.0	2209.0	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	1424.0	2208.0	2209.0	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**3**	**1**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**
UAI (ΔCDF)	-2.23E-08	-2.22E-08	-9.06E-09	-8.80E-09	-1.44E-08	-1.60E-08	-1.35E-08	-9.43E-09
URI (ΔCDF)	-2.23E-07	-2.23E-07	-2.19E-07	-2.14E-07	-2.10E-07	-2.06E-07	-2.02E-07	-1.63E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.50E-07**	**-2.50E-07**	**-2.30E-07**	**-2.20E-07**	**-2.20E-07**	**-2.20E-07**	**-2.20E-07**	**-1.70E-07**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

1Q/12: Revised unavailability monitoring of the fuel oil transfer pumps per FAQ 484 and EDG run hours per FAQ 480.

4Q/11: Train B Planned Unavailable hours changed from 3.10 to 3.60 documented in CR-2012-01746 for testing done in December 2011. This does not cause an indicator color change.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**
UAI (ΔCDF)	-3.35E-08	-3.35E-08	-3.21E-08	-3.11E-08	-3.13E-08	-3.35E-08	-3.35E-08	-1.89E-09
URI (ΔCDF)	1.23E-07	1.23E-07	1.28E-07	1.33E-07	1.38E-07	1.43E-07	1.49E-07	8.96E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.90E-08**	**8.90E-08**	**9.60E-08**	**1.00E-07**	**1.10E-07**	**1.10E-07**	**1.20E-07**	**7.10E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

1Q/12: Frequency for testing of two HHSI suction isolation valves was changed from once per week to once per quarter. Changed estimated demands to match.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**
UAI (ΔCDF)	-1.56E-09	-3.27E-10	1.39E-09	1.34E-09	3.18E-09	2.04E-09	2.21E-09	3.30E-09
URI (ΔCDF)	-4.84E-09	-4.84E-09	-4.84E-09	-4.75E-09	-4.75E-09	-4.75E-09	-4.75E-09	-4.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.40E-09**	**-5.20E-09**	**-3.40E-09**	**-3.40E-09**	**-1.60E-09**	**-2.70E-09**	**-2.50E-09**	**-1.10E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**
UAI (ΔCDF)	1.54E-08	1.79E-08	8.80E-09	8.96E-09	9.62E-09	1.02E-08	6.78E-09	1.13E-08
URI (ΔCDF)	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-5.15E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-08**	**1.50E-08**	**5.50E-09**	**5.60E-09**	**6.30E-09**	**6.90E-09**	**3.40E-09**	**6.20E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**
UAI (ΔCDF)	-1.04E-07	-1.04E-07	-1.07E-07	-1.05E-07	-1.04E-07	-1.04E-07	-1.04E-07	-4.12E-08
URI (ΔCDF)	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-1.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-5.30E-08**

Licensee Comments:

2Q/13: Changed PRA Parameter(s).

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**
Maximum activity	0.000137	0.000145	0.000143	0.000153	0.000163	0.000160	0.000170	0.000184	0.000173	0.000164	0.000085	0.000094
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**
Maximum activity	0.000093	0.000102	0.000115	0.000108	0.000110	0.000110	0.000120	0.000115	0.000127	0.000127	0.000142	0.000144
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**
Maximum leakage	0.010	0.010	0.030	0.080	0.020	0.020	0.030	0.020	0.010	0.010	0.050	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.1**	**0.3**	**0.8**	**0.2**	**0.2**	**0.3**	**0.2**	**0.1**	**0.1**	**0.5**	**0.1**
Reactor Coolant System Leakage	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**
Maximum leakage	0.150	0.010	0.050	0.040	0.060	0.020	0.030	0	0.020	0.020	0.040	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.5**	**0.1**	**0.5**	**0.4**	**0.6**	**0.2**	**0.3**	**0**	**0.2**	**0.2**	**0.4**	**0.2**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful opportunities	18.0	26.0	17.0	47.0	20.0	6.0	7.0	28.0
Total opportunities	18.0	26.0	17.0	48.0	20.0	6.0	7.0	28.0
Indicator value	**96.1%**	**96.6%**	**98.8%**	**98.2%**	**98.1%**	**98.1%**	**98.7%**	**99.4%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Participating Key personnel	170.0	177.0	173.0	169.0	170.0	173.0	175.0	184.0
Total Key personnel	170.0	177.0	173.0	169.0	170.0	173.0	175.0	184.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful siren-tests	1523	1560	1560	1559	1553	1560	1559	1560
Total sirens-tests	1527	1560	1560	1560	1560	1560	1560	1560
Indicator value	**99.7%**	**99.8%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments:

3Q/11: This submittal includes a change in the reporting of the ANS Reliability. The revised Beaver Valley siren test plan that was approved by FEMA in a letter dated June 13, 2011, increased the amount of required siren tests that are reported under this performance indicator.

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: August 19, 2013

Beaver Valley 1

3Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2183.0	1424.0	2208.0	2209.0	2159.0	2184.0	2184.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2183.0	1424.0	2208.0	2209.0	2159.0	2184.0	2184.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	-2.22E-08	-9.06E-09	-8.80E-09	-1.44E-08	-1.60E-08	-1.35E-08	-9.43E-09	-2.98E-09
URI (ΔCDF)	-2.23E-07	-2.19E-07	-2.14E-07	-2.10E-07	-2.06E-07	-2.02E-07	-1.63E-07	-1.59E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.50E-07**	**-2.30E-07**	**-2.20E-07**	**-2.20E-07**	**-2.20E-07**	**-2.20E-07**	**-1.70E-07**	**-1.60E-07**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/12: Revised unavailability monitoring of the fuel oil transfer pumps per FAQ 484 and EDG run hours per FAQ 480.

4Q/11: Train B Planned Unavailable hours changed from 3.10 to 3.60 documented in CR-2012-01746 for testing done in December 2011. This does not cause an indicator color change.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	-3.35E-08	-3.21E-08	-3.11E-08	-3.13E-08	-3.35E-08	-3.35E-08	-1.89E-09	-1.79E-09
URI (ΔCDF)	1.23E-07	1.28E-07	1.33E-07	1.38E-07	1.43E-07	1.49E-07	8.96E-09	9.32E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.90E-08**	**9.60E-08**	**1.00E-07**	**1.10E-07**	**1.10E-07**	**1.20E-07**	**7.10E-09**	**7.50E-09**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/12: Frequency for testing of two HHSI suction isolation valves was changed from once per week to once per quarter. Changed estimated demands to match.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	-3.27E-10	1.39E-09	1.34E-09	3.18E-09	2.04E-09	2.21E-09	3.30E-09	3.99E-09
URI (ΔCDF)	-4.84E-09	-4.84E-09	-4.75E-09	-4.75E-09	-4.75E-09	-4.75E-09	-4.40E-09	-4.43E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.20E-09**	**-3.40E-09**	**-3.40E-09**	**-1.60E-09**	**-2.70E-09**	**-2.50E-09**	**-1.10E-09**	**-4.40E-10**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	1.79E-08	8.80E-09	8.96E-09	9.62E-09	1.02E-08	6.78E-09	1.13E-08	9.20E-09
URI (ΔCDF)	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-5.15E-09	-5.15E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.50E-08**	**5.50E-09**	**5.60E-09**	**6.30E-09**	**6.90E-09**	**3.40E-09**	**6.20E-09**	**4.10E-09**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	-1.04E-07	-1.07E-07	-1.05E-07	-1.04E-07	-1.04E-07	-1.04E-07	-4.12E-08	-4.12E-08
URI (ΔCDF)	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-1.18E-08	-1.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-5.30E-08**	**-5.30E-08**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**
Maximum activity	0.000153	0.000163	0.000160	0.000170	0.000184	0.000173	0.000164	0.000085	0.000094	0.000093	0.000102	0.000115
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**
Maximum activity	0.000108	0.000110	0.000110	0.000120	0.000115	0.000127	0.000127	0.000142	0.000144	0.000152	0.000153	0.000145
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum leakage	0.080	0.020	0.020	0.030	0.020	0.010	0.010	0.050	0.010	0.150	0.010	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.8**	**0.2**	**0.2**	**0.3**	**0.2**	**0.1**	**0.1**	**0.5**	**0.1**	**1.5**	**0.1**	**0.5**
Reactor Coolant System Leakage	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**
Maximum leakage	0.040	0.060	0.020	0.030	0	0.020	0.020	0.040	0.020	0.020	0.030	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.6**	**0.2**	**0.3**	**0**	**0.2**	**0.2**	**0.4**	**0.2**	**0.2**	**0.3**	**0.1**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful opportunities	26.0	17.0	47.0	20.0	6.0	7.0	28.0	21.0
Total opportunities	26.0	17.0	48.0	20.0	6.0	7.0	28.0	21.0
Indicator value	**96.6%**	**98.8%**	**98.2%**	**98.1%**	**98.1%**	**98.7%**	**99.4%**	**99.4%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Participating Key personnel	177.0	173.0	169.0	170.0	173.0	175.0	184.0	186.0
Total Key personnel	177.0	173.0	169.0	170.0	173.0	175.0	184.0	187.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.5%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful siren-tests	1560	1560	1559	1553	1560	1559	1560	1560
Total sirens-tests	1560	1560	1560	1560	1560	1560	1560	1560
Indicator value	**99.8%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: October 22, 2013

Beaver Valley 1

4Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2183.0	1424.0	2208.0	2209.0	2159.0	2184.0	2184.5	1355.6
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2183.0	1424.0	2208.0	2209.0	2159.0	2184.0	2184.5	1355.6
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	-9.06E-09	-8.80E-09	-1.44E-08	-1.60E-08	-1.35E-08	-9.43E-09	-2.98E-09	-1.96E-09
URI (ΔCDF)	-2.19E-07	-2.14E-07	-2.10E-07	-2.06E-07	-2.02E-07	-1.63E-07	-1.59E-07	-1.56E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-07**	**-2.20E-07**	**-2.20E-07**	**-2.20E-07**	**-2.20E-07**	**-1.70E-07**	**-1.60E-07**	**-1.60E-07**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/12: Revised unavailability monitoring of the fuel oil transfer pumps per FAQ 484 and EDG run hours per FAQ 480.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	-3.21E-08	-3.11E-08	-3.13E-08	-3.35E-08	-3.35E-08	-1.89E-09	-1.79E-09	-1.51E-09
URI (ΔCDF)	1.28E-07	1.33E-07	1.38E-07	1.43E-07	1.49E-07	8.96E-09	9.32E-09	-1.82E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.60E-08**	**1.00E-07**	**1.10E-07**	**1.10E-07**	**1.20E-07**	**7.10E-09**	**7.50E-09**	**-3.30E-09**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

1Q/12: Frequency for testing of two HHSI suction isolation valves was changed from once per week to once per quarter. Changed estimated demands to match.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	1.39E-09	1.34E-09	3.18E-09	2.04E-09	2.21E-09	3.30E-09	3.99E-09	5.30E-09
URI (ΔCDF)	-4.84E-09	-4.75E-09	-4.75E-09	-4.75E-09	-4.75E-09	-4.40E-09	-4.43E-09	-4.63E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.40E-09**	**-3.40E-09**	**-1.60E-09**	**-2.70E-09**	**-2.50E-09**	**-1.10E-09**	**-4.40E-10**	**6.80E-10**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	8.80E-09	8.96E-09	9.62E-09	1.02E-08	6.78E-09	1.13E-08	9.20E-09	7.85E-09
URI (ΔCDF)	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-5.15E-09	-5.15E-09	-5.15E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.50E-09**	**5.60E-09**	**6.30E-09**	**6.90E-09**	**3.40E-09**	**6.20E-09**	**4.10E-09**	**2.70E-09**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	-1.07E-07	-1.05E-07	-1.04E-07	-1.04E-07	-1.04E-07	-4.12E-08	-4.12E-08	-4.12E-08
URI (ΔCDF)	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-1.18E-08	-1.18E-08	-1.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**
Maximum activity	0.000170	0.000184	0.000173	0.000164	0.000085	0.000094	0.000093	0.000102	0.000115	0.000108	0.000110	0.000110
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**
Maximum activity	0.000120	0.000115	0.000127	0.000127	0.000142	0.000144	0.000152	0.000153	0.000145	N/A	0.000079	0.000081
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**
Maximum leakage	0.030	0.020	0.010	0.010	0.050	0.010	0.150	0.010	0.050	0.040	0.060	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0.2**	**0.1**	**0.1**	**0.5**	**0.1**	**1.5**	**0.1**	**0.5**	**0.4**	**0.6**	**0.2**
Reactor Coolant System Leakage	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**
Maximum leakage	0.030	0	0.020	0.020	0.040	0.020	0.020	0.030	0.010	N/A	0.020	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0**	**0.2**	**0.2**	**0.4**	**0.2**	**0.2**	**0.3**	**0.1**	**N/A**	**0.2**	**0.1**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful opportunities	17.0	47.0	20.0	6.0	7.0	28.0	21.0	4.0
Total opportunities	17.0	48.0	20.0	6.0	7.0	28.0	21.0	4.0
Indicator value	**98.8%**	**98.2%**	**98.1%**	**98.1%**	**98.7%**	**99.4%**	**99.4%**	**99.3%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Participating Key personnel	173.0	169.0	170.0	173.0	175.0	184.0	186.0	177.0
Total Key personnel	173.0	169.0	170.0	173.0	175.0	184.0	187.0	180.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.5%**	**98.3%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful siren-tests	1560	1559	1553	1560	1559	1560	1560	1680
Total sirens-tests	1560	1560	1560	1560	1560	1560	1560	1680
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	1
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: January 22, 2014

Beaver Valley 1

1Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: ERO Drill Participation revised due to SRO licenses becoming inactive effective 12/31/2013, which was not reflected in the 4Q2013 data submittal.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned scrams	0	0	0	0	0	0	1.0	1.0
Critical hours	1424.0	2208.0	2209.0	2159.0	2184.0	2184.5	1355.6	1638.6
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**	**1.9**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	1424.0	2208.0	2209.0	2159.0	2184.0	2184.5	1355.6	1638.6
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1.0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	-8.80E-09	-1.44E-08	-1.60E-08	-1.35E-08	-9.43E-09	-2.98E-09	-1.96E-09	-2.13E-09
URI (ΔCDF)	-2.14E-07	-2.10E-07	-2.06E-07	-2.02E-07	-1.63E-07	-1.59E-07	-1.56E-07	-1.52E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-07**	**-2.20E-07**	**-2.20E-07**	**-2.20E-07**	**-1.70E-07**	**-1.60E-07**	**-1.60E-07**	**-1.50E-07**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	-3.11E-08	-3.13E-08	-3.35E-08	-3.35E-08	-1.89E-09	-1.79E-09	-1.51E-09	-1.10E-09
URI (ΔCDF)	1.33E-07	1.38E-07	1.43E-07	1.49E-07	8.96E-09	9.32E-09	-1.82E-09	-1.69E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-07**	**1.10E-07**	**1.10E-07**	**1.20E-07**	**7.10E-09**	**7.50E-09**	**-3.30E-09**	**-2.80E-09**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	1.34E-09	3.18E-09	2.04E-09	2.21E-09	3.30E-09	3.99E-09	5.30E-09	4.14E-09
URI (ΔCDF)	-4.75E-09	-4.75E-09	-4.75E-09	-4.75E-09	-4.40E-09	-4.43E-09	-4.63E-09	8.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.40E-09**	**-1.60E-09**	**-2.70E-09**	**-2.50E-09**	**-1.10E-09**	**-4.40E-10**	**6.80E-10**	**1.30E-08**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	8.96E-09	9.62E-09	1.02E-08	6.78E-09	1.13E-08	9.20E-09	7.85E-09	7.32E-09
URI (ΔCDF)	-3.35E-09	-3.35E-09	-3.35E-09	-3.35E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.60E-09**	**6.30E-09**	**6.90E-09**	**3.40E-09**	**6.20E-09**	**4.10E-09**	**2.70E-09**	**2.20E-09**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	-1.05E-07	-1.04E-07	-1.04E-07	-1.04E-07	-4.12E-08	-4.12E-08	-4.12E-08	-4.11E-08
URI (ΔCDF)	-4.32E-08	-4.32E-08	-4.32E-08	-4.32E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**
Maximum activity	0.000164	0.000085	0.000094	0.000093	0.000102	0.000115	0.000108	0.000110	0.000110	0.000120	0.000115	0.000127
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**
Maximum activity	0.000127	0.000142	0.000144	0.000152	0.000153	0.000145	N/A	0.000079	0.000081	0.000073	0.000087	0.000093
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**
Maximum leakage	0.010	0.050	0.010	0.150	0.010	0.050	0.040	0.060	0.020	0.030	0	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.5**	**0.1**	**1.5**	**0.1**	**0.5**	**0.4**	**0.6**	**0.2**	**0.3**	**0**	**0.2**

Reactor Coolant System Leakage	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**
Maximum leakage	0.020	0.040	0.020	0.020	0.030	0.010	N/A	0.020	0.010	0.010	0.010	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.4**	**0.2**	**0.2**	**0.3**	**0.1**	**N/A**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful opportunities	47.0	20.0	6.0	7.0	28.0	21.0	4.0	10.0
Total opportunities	48.0	20.0	6.0	7.0	28.0	21.0	4.0	11.0
Indicator value	**98.2%**	**98.1%**	**98.1%**	**98.7%**	**99.4%**	**99.4%**	**99.3%**	**98.6%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Participating Key personnel	169.0	170.0	173.0	175.0	184.0	186.0	175.0	166.0
Total Key personnel	169.0	170.0	173.0	175.0	184.0	187.0	178.0	172.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.5%**	**98.3%**	**96.5%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful siren-tests	1559	1553	1560	1559	1560	1560	1680	1440
Total sirens-tests	1560	1560	1560	1560	1560	1560	1680	1440
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	1	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: April 23, 2014

Beaver Valley 1

2Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned scrams	0	0	0	0	0	1.0	1.0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2184.5	1355.6	1638.6	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.9**	**1.9**	**1.9**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2184.5	1355.6	1638.6	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1.0**	**1.0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	-1.44E-08	-1.60E-08	-1.35E-08	-9.43E-09	-2.98E-09	-1.96E-09	-2.13E-09	-2.09E-09
URI (ΔCDF)	-2.10E-07	-2.06E-07	-2.02E-07	-1.63E-07	-1.59E-07	-1.56E-07	-1.52E-07	-1.48E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-07**	**-2.20E-07**	**-2.20E-07**	**-1.70E-07**	**-1.60E-07**	**-1.60E-07**	**-1.50E-07**	**-1.50E-07**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	-3.13E-08	-3.35E-08	-3.35E-08	-1.89E-09	-1.79E-09	-1.51E-09	-1.10E-09	-1.22E-09
URI (ΔCDF)	1.38E-07	1.43E-07	1.49E-07	8.96E-09	9.32E-09	-1.82E-09	-1.69E-09	-1.56E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-07**	**1.10E-07**	**1.20E-07**	**7.10E-09**	**7.50E-09**	**-3.30E-09**	**-2.80E-09**	**-2.80E-09**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	3.18E-09	2.04E-09	2.21E-09	3.30E-09	3.99E-09	5.30E-09	4.14E-09	5.29E-09
URI (ΔCDF)	-4.75E-09	-4.75E-09	-4.75E-09	-4.40E-09	-4.43E-09	-4.63E-09	8.50E-09	8.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-09**	**-2.70E-09**	**-2.50E-09**	**-1.10E-09**	**-4.40E-10**	**6.80E-10**	**1.30E-08**	**1.40E-08**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	9.62E-09	1.02E-08	6.78E-09	1.13E-08	9.20E-09	7.85E-09	7.32E-09	7.07E-09
URI (ΔCDF)	-3.35E-09	-3.35E-09	-3.35E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.30E-09**	**6.90E-09**	**3.40E-09**	**6.20E-09**	**4.10E-09**	**2.70E-09**	**2.20E-09**	**1.90E-09**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	-1.04E-07	-1.04E-07	-1.04E-07	-4.12E-08	-4.12E-08	-4.12E-08	-4.11E-08	-4.12E-08
URI (ΔCDF)	-4.32E-08	-4.32E-08	-4.32E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**
Maximum activity	0.000093	0.000102	0.000115	0.000108	0.000110	0.000110	0.000120	0.000115	0.000127	0.000127	0.000142	0.000144
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**
Maximum activity	0.000152	0.000153	0.000145	N/A	0.000079	0.000081	0.000073	0.000087	0.000093	0.000093	0.000100	0.000107
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**
Maximum leakage	0.150	0.010	0.050	0.040	0.060	0.020	0.030	0	0.020	0.020	0.040	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**1.5**	**0.1**	**0.5**	**0.4**	**0.6**	**0.2**	**0.3**	**0**	**0.2**	**0.2**	**0.4**	**0.2**
Reactor Coolant System Leakage	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**
Maximum leakage	0.020	0.030	0.010	N/A	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.3**	**0.1**	**N/A**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful opportunities	20.0	6.0	7.0	28.0	21.0	4.0	10.0	42.0
Total opportunities	20.0	6.0	7.0	28.0	21.0	4.0	11.0	44.0
Indicator value	**98.1%**	**98.1%**	**98.7%**	**99.4%**	**99.4%**	**99.3%**	**98.6%**	**97.9%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Participating Key personnel	170.0	173.0	175.0	184.0	186.0	175.0	166.0	165.0
Total Key personnel	170.0	173.0	175.0	184.0	187.0	178.0	172.0	167.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.5%**	**98.3%**	**96.5%**	**98.8%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful siren-tests	1553	1560	1559	1560	1560	1680	1440	1560
Total sirens-tests	1560	1560	1560	1560	1560	1680	1440	1560
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
High radiation area occurrences	0	0	0	0	0	0	0	1
Very high radiation area occurrences	0	0	0	0	0	1	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**2**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: July 31, 2014

Beaver Valley 1

3Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned scrams	0	0	0	0	1.0	1.0	0	0
Critical hours	2209.0	2159.0	2184.0	2184.5	1355.6	1638.6	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**1.9**	**1.9**	**1.9**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2209.0	2159.0	2184.0	2184.5	1355.6	1638.6	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1.0**	**1.0**	**0.9**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	-1.60E-08	-1.35E-08	-9.43E-09	-2.98E-09	-1.96E-09	-2.13E-09	-2.09E-09	-2.57E-09
URI (ΔCDF)	-2.06E-07	-2.02E-07	-1.63E-07	-1.59E-07	-1.56E-07	-1.52E-07	-1.48E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-07**	**-2.20E-07**	**-1.70E-07**	**-1.60E-07**	**-1.60E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	-3.35E-08	-3.35E-08	-1.89E-09	-1.79E-09	-1.51E-09	-1.10E-09	-1.22E-09	-1.30E-09
URI (ΔCDF)	1.43E-07	1.49E-07	8.96E-09	9.32E-09	-1.82E-09	-1.69E-09	-1.56E-09	-1.41E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-07**	**1.20E-07**	**7.10E-09**	**7.50E-09**	**-3.30E-09**	**-2.80E-09**	**-2.80E-09**	**-2.70E-09**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	2.04E-09	2.21E-09	3.30E-09	3.99E-09	5.30E-09	4.14E-09	5.29E-09	5.75E-09
URI (ΔCDF)	-4.75E-09	-4.75E-09	-4.40E-09	-4.43E-09	-4.63E-09	8.50E-09	8.50E-09	8.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.70E-09**	**-2.50E-09**	**-1.10E-09**	**-4.40E-10**	**6.80E-10**	**1.30E-08**	**1.40E-08**	**1.40E-08**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (ΔCDF)	1.02E-08	6.78E-09	1.13E-08	9.20E-09	7.85E-09	7.32E-09	7.07E-09	8.20E-09
URI (ΔCDF)	-3.35E-09	-3.35E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.90E-09**	**3.40E-09**	**6.20E-09**	**4.10E-09**	**2.70E-09**	**2.20E-09**	**1.90E-09**	**3.00E-09**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	-1.04E-07	-1.04E-07	-4.12E-08	-4.12E-08	-4.12E-08	-4.11E-08	-4.12E-08	-4.12E-08
URI (ΔCDF)	-4.32E-08	-4.32E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.50E-07**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**
Maximum activity	0.000108	0.000110	0.000110	0.000120	0.000115	0.000127	0.000127	0.000142	0.000144	0.000152	0.000153	0.000145
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**
Maximum activity	N/A	0.000079	0.000081	0.000073	0.000087	0.000093	0.000093	0.000100	0.000107	0.000114	0.000114	0.000116
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13
Maximum leakage	0.040	0.060	0.020	0.030	0	0.020	0.020	0.040	0.020	0.020	0.030	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.4**	**0.6**	**0.2**	**0.3**	**0**	**0.2**	**0.2**	**0.4**	**0.2**	**0.2**	**0.3**	**0.1**

Reactor Coolant System Leakage	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14
Maximum leakage	N/A	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**N/A**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful opportunities	6.0	7.0	28.0	21.0	4.0	10.0	42.0	91.0
Total opportunities	6.0	7.0	28.0	21.0	4.0	11.0	44.0	92.0
Indicator value	**98.1%**	**98.7%**	**99.4%**	**99.4%**	**99.3%**	**98.6%**	**97.9%**	**98.1%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Participating Key personnel	173.0	175.0	184.0	186.0	175.0	166.0	165.0	162.0
Total Key personnel	173.0	175.0	184.0	187.0	178.0	172.0	167.0	162.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**99.5%**	**98.3%**	**96.5%**	**98.8%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful siren-tests	1560	1559	1560	1560	1680	1440	1560	1679
Total sirens-tests	1560	1560	1560	1560	1680	1440	1560	1680
Indicator value	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
High radiation area occurrences	0	0	0	0	0	0	1	0
Very high radiation area occurrences	0	0	0	0	1	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**1**	**1**	**2**	**2**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: November 3, 2014

Beaver Valley 1

4Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: BVPS Unit 1 valves MOV-1SI-863A, 863B, 867A, 867B, 867C, and 867D are removed from the scope of MSPI. This is due to a PRA model change resulting in a Unit 1 MSPI Basis Document (BVRM-RAS-0002) change that was effective July 1, 2013.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned scrams	0	0	0	1.0	1.0	0	0	0
Critical hours	2159.0	2184.0	2184.5	1355.6	1638.6	2184.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0.9**	**1.9**	**1.9**	**1.9**	**0.8**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2159.0	2184.0	2184.5	1355.6	1638.6	2184.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**1.0**	**1.0**	**0.9**	**0.8**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Safety System Functional Failures	0	0	0	0	0	0	0	1
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**

Licensee Comments:

4Q/14: LER 2014-005-00 Containment was rendered inoperable due to the removal of the equipment hatch missile shield prior to Mode 5

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	-1.35E-08	-9.43E-09	-2.98E-09	-1.96E-09	-2.13E-09	-2.09E-09	-2.57E-09	-4.01E-09
URI (ΔCDF)	-2.02E-07	-1.63E-07	-1.59E-07	-1.56E-07	-1.52E-07	-1.48E-07	-1.44E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-07**	**-1.70E-07**	**-1.60E-07**	**-1.60E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.40E-07**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (ΔCDF)	-3.35E-08	-1.89E-09	-1.79E-09	-1.51E-09	-1.10E-09	-1.22E-09	-1.30E-09	-1.56E-09
URI (ΔCDF)	1.49E-07	8.96E-09	1.01E-08	-1.23E-09	-1.09E-09	-9.35E-10	-7.75E-10	-6.06E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-07**	**7.10E-09**	**8.30E-09**	**-2.70E-09**	**-2.20E-09**	**-2.20E-09**	**-2.10E-09**	**-2.20E-09**

Licensee Comments:

4Q/14: BVPS Unit 1 valves MOV-1SI-863A, 863B, 867A, 867B, 867C, and 867D are removed from the scope of MSPI. This is due to a PRA model change resulting in a Unit 1 MSPI Basis Document (BVRM-RAS-0002) change that was effective July 1, 2013.

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	2.21E-09	3.30E-09	3.99E-09	5.30E-09	4.14E-09	5.29E-09	5.75E-09	5.45E-09
URI (ΔCDF)	-4.75E-09	-4.40E-09	-4.43E-09	-4.63E-09	8.50E-09	8.50E-09	8.50E-09	8.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.50E-09**	**-1.10E-09**	**-4.40E-10**	**6.80E-10**	**1.30E-08**	**1.40E-08**	**1.40E-08**	**1.40E-08**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	6.78E-09	1.13E-08	9.20E-09	7.85E-09	7.32E-09	7.07E-09	8.20E-09	9.96E-09
URI (ΔCDF)	-3.35E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.40E-09**	**6.20E-09**	**4.10E-09**	**2.70E-09**	**2.20E-09**	**1.90E-09**	**3.00E-09**	**4.80E-09**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	-1.04E-07	-4.12E-08	-4.12E-08	-4.12E-08	-4.11E-08	-4.12E-08	-4.12E-08	-4.12E-08
URI (ΔCDF)	-4.32E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**
Maximum activity	0.000120	0.000115	0.000127	0.000127	0.000142	0.000144	0.000152	0.000153	0.000145	N/A	0.000079	0.000081
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**

Reactor Coolant System Activity	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**
Maximum activity	0.000073	0.000087	0.000093	0.000093	0.000100	0.000107	0.000114	0.000114	0.000116	0.000113	0.000113	0.000118
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**
Maximum leakage	0.030	0	0.020	0.020	0.040	0.020	0.020	0.030	0.010	N/A	0.020	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.3**	**0**	**0.2**	**0.2**	**0.4**	**0.2**	**0.2**	**0.3**	**0.1**	**N/A**	**0.2**	**0.1**
Reactor Coolant System Leakage	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**
Maximum leakage	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful opportunities	7.0	28.0	21.0	4.0	10.0	42.0	91.0	100.0
Total opportunities	7.0	28.0	21.0	4.0	11.0	44.0	92.0	102.0
Indicator value	**98.7%**	**99.4%**	**99.4%**	**99.3%**	**98.6%**	**97.9%**	**98.1%**	**98.1%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Participating Key personnel	175.0	184.0	186.0	175.0	166.0	165.0	162.0	173.0
Total Key personnel	175.0	184.0	187.0	178.0	172.0	167.0	162.0	173.0
Indicator value	**100.0%**	**100.0%**	**99.5%**	**98.3%**	**96.5%**	**98.8%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful siren-tests	1559	1560	1560	1680	1440	1560	1679	1554
Total sirens-tests	1560	1560	1560	1680	1440	1560	1680	1560
Indicator value	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
High radiation area occurrences	0	0	0	0	0	1	0	0
Very high radiation area occurrences	0	0	0	1	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**1**	**1**	**2**	**2**	**1**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: February 3, 2015

Beaver Valley 1

1Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned scrams	0	0	1.0	1.0	0	0	0	0
Critical hours	2184.0	2184.5	1355.6	1638.6	2184.0	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0.9**	**1.9**	**1.9**	**1.9**	**0.8**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	2184.0	2184.5	1355.6	1638.6	2184.0	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**1.0**	**1.0**	**0.9**	**0.8**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Safety System Functional Failures	0	0	0	0	0	0	1	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**

Licensee Comments:

4Q/14: LER 2014-005-00 Containment was rendered inoperable due to the removal of the equipment hatch missile shield prior to Mode 5

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	-9.43E-09	-2.98E-09	-1.96E-09	-2.13E-09	-2.09E-09	-2.57E-09	-4.01E-09	9.98E-10
URI (ΔCDF)	-1.63E-07	-1.59E-07	-1.56E-07	-1.52E-07	-1.48E-07	-1.44E-07	-1.40E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-07**	**-1.60E-07**	**-1.60E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.40E-07**	**-1.40E-07**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	-1.89E-09	-1.79E-09	-1.51E-09	-1.10E-09	-1.22E-09	-1.30E-09	-1.56E-09	-1.50E-09
URI (ΔCDF)	8.96E-09	1.01E-08	-1.23E-09	-1.09E-09	-9.35E-10	-7.75E-10	-6.06E-10	-6.06E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.10E-09**	**8.30E-09**	**-2.70E-09**	**-2.20E-09**	**-2.20E-09**	**-2.10E-09**	**-2.20E-09**	**-2.10E-09**

Licensee Comments:

4Q/14: BVPS Unit 1 valves MOV-1SI-863A, 863B, 867A, 867B, 867C, and 867D are removed from the scope of MSPI. This is due to a PRA model change resulting in a Unit 1 MSPI Basis Document (BVRM-RAS-0002) change that was effective July 1, 2013.

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (ΔCDF)	3.30E-09	3.99E-09	5.30E-09	4.14E-09	5.29E-09	5.75E-09	5.45E-09	4.99E-09
URI (ΔCDF)	-4.40E-09	-4.43E-09	-4.63E-09	8.50E-09	8.50E-09	8.50E-09	8.50E-09	8.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-09**	**-4.40E-10**	**6.80E-10**	**1.30E-08**	**1.40E-08**	**1.40E-08**	**1.40E-08**	**1.30E-08**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (ΔCDF)	1.13E-08	9.20E-09	7.85E-09	7.32E-09	7.07E-09	8.20E-09	9.96E-09	2.06E-09
URI (ΔCDF)	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.20E-09**	**4.10E-09**	**2.70E-09**	**2.20E-09**	**1.90E-09**	**3.00E-09**	**4.80E-09**	**-3.10E-09**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	-4.12E-08	-4.12E-08	-4.12E-08	-4.11E-08	-4.12E-08	-4.12E-08	-4.12E-08	-4.11E-08
URI (ΔCDF)	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

2Q/13: Changed PRA Parameter(s).

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**
Maximum activity	0.000127	0.000142	0.000144	0.000152	0.000153	0.000145	N/A	0.000079	0.000081	0.000073	0.000087	0.000093
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**
Maximum activity	0.000093	0.000100	0.000107	0.000114	0.000114	0.000116	0.000113	0.000113	0.000118	0.000130	0.000125	0.000129
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**
Maximum leakage	0.020	0.040	0.020	0.020	0.030	0.010	N/A	0.020	0.010	0.010	0.010	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.4**	**0.2**	**0.2**	**0.3**	**0.1**	**N/A**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Leakage	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**
Maximum leakage	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful opportunities	28.0	21.0	4.0	10.0	42.0	91.0	100.0	58.0
Total opportunities	28.0	21.0	4.0	11.0	44.0	92.0	102.0	60.0
Indicator value	**99.4%**	**99.4%**	**99.3%**	**98.6%**	**97.9%**	**98.1%**	**98.1%**	**97.8%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Participating Key personnel	184.0	186.0	175.0	166.0	165.0	162.0	173.0	175.0
Total Key personnel	184.0	187.0	178.0	172.0	167.0	162.0	173.0	175.0
Indicator value	**100.0%**	**99.5%**	**98.3%**	**96.5%**	**98.8%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful siren-tests	1560	1560	1680	1440	1560	1679	1554	1558
Total sirens-tests	1560	1560	1680	1440	1560	1680	1560	1560
Indicator value	**99.9%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.9%**	**99.9%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
High radiation area occurrences	0	0	0	0	1	0	0	0
Very high radiation area occurrences	0	0	1	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**1**	**1**	**2**	**2**	**1**	**1**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: April 23, 2015

Beaver Valley 1

2Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned scrams	0	1.0	1.0	0	0	0	0	1.0
Critical hours	2184.5	1355.6	1638.6	2184.0	2208.0	2209.0	2159.0	1424.9
Indicator value	**0**	**0.9**	**1.9**	**1.9**	**1.9**	**0.8**	**0**	**0.9**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2184.5	1355.6	1638.6	2184.0	2208.0	2209.0	2159.0	1424.9
Indicator value	**0**	**0**	**1.0**	**1.0**	**0.9**	**0.8**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Safety System Functional Failures	0	0	0	0	0	1	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**

Licensee Comments:

4Q/14: LER 2014-005-00 Containment was rendered inoperable due to the removal of the equipment hatch missile shield prior to Mode 5

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	-2.98E-09	-1.96E-09	-2.13E-09	-2.09E-09	-2.57E-09	-4.01E-09	9.98E-10	1.38E-10
URI (ΔCDF)	-1.59E-07	-1.56E-07	-1.52E-07	-1.48E-07	-1.44E-07	-1.40E-07	-1.40E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.60E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.40E-07**	**-1.40E-07**	**-1.40E-07**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	-1.79E-09	-1.51E-09	-1.10E-09	-1.22E-09	-1.30E-09	-1.56E-09	-1.50E-09	-1.62E-09
URI (ΔCDF)	1.01E-08	-1.23E-09	-1.09E-09	-9.35E-10	-7.75E-10	-6.06E-10	-6.06E-10	-6.06E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.30E-09**	**-2.70E-09**	**-2.20E-09**	**-2.20E-09**	**-2.10E-09**	**-2.20E-09**	**-2.10E-09**	**-2.20E-09**

Licensee Comments:

4Q/14: BVPS Unit 1 valves MOV-1SI-863A, 863B, 867A, 867B, 867C, and 867D are removed from the scope of MSPI. This is due to a PRA model change resulting in a Unit 1 MSPI Basis Document (BVRM-RAS-0002) change that was effective July 1, 2013.

3Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	3.99E-09	5.30E-09	4.14E-09	5.29E-09	5.75E-09	5.45E-09	4.99E-09	5.65E-09
URI (ΔCDF)	-4.43E-09	-4.63E-09	8.50E-09	8.50E-09	8.50E-09	8.50E-09	8.50E-09	8.31E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.40E-10**	**6.80E-10**	**1.30E-08**	**1.40E-08**	**1.40E-08**	**1.40E-08**	**1.30E-08**	**1.40E-08**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (ΔCDF)	9.20E-09	7.85E-09	7.32E-09	7.07E-09	8.20E-09	9.96E-09	2.06E-09	6.19E-10
URI (ΔCDF)	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.10E-09**	**2.70E-09**	**2.20E-09**	**1.90E-09**	**3.00E-09**	**4.80E-09**	**-3.10E-09**	**-4.50E-09**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	-4.12E-08	-4.12E-08	-4.11E-08	-4.12E-08	-4.12E-08	-4.12E-08	-4.11E-08	-4.37E-08
URI (ΔCDF)	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.60E-08**

Licensee Comments:

3Q/13: Changed PRA Parameter(s).

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**
Maximum activity	0.000152	0.000153	0.000145	N/A	0.000079	0.000081	0.000073	0.000087	0.000093	0.000093	0.000100	0.000107
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**
Maximum activity	0.000114	0.000114	0.000116	0.000113	0.000113	0.000118	0.000130	0.000125	0.000129	0.000131	0.000072	0.000072
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**
Maximum leakage	0.020	0.030	0.010	N/A	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.3**	**0.1**	**N/A**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Leakage	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**
Maximum leakage	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful opportunities	21.0	4.0	10.0	42.0	91.0	100.0	58.0	36.0
Total opportunities	21.0	4.0	11.0	44.0	92.0	102.0	60.0	36.0
Indicator value	**99.4%**	**99.3%**	**98.6%**	**97.9%**	**98.1%**	**98.1%**	**97.8%**	**97.8%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Participating Key personnel	186.0	175.0	166.0	165.0	162.0	173.0	175.0	173.0
Total Key personnel	187.0	178.0	172.0	167.0	162.0	173.0	175.0	173.0
Indicator value	**99.5%**	**98.3%**	**96.5%**	**98.8%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful siren-tests	1560	1680	1440	1560	1679	1554	1558	1560
Total sirens-tests	1560	1680	1440	1560	1680	1560	1560	1560
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
High radiation area occurrences	0	0	0	1	0	0	0	0
Very high radiation area occurrences	0	1	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**1**	**1**	**2**	**2**	**1**	**1**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: July 24, 2015

Beaver Valley 1

3Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned scrams	1.0	1.0	0	0	0	0	1.0	0
Critical hours	1355.6	1638.6	2184.0	2208.0	2209.0	2159.0	1424.9	2208.0
Indicator value	**0.9**	**1.9**	**1.9**	**1.9**	**0.8**	**0**	**0.9**	**0.9**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	1355.6	1638.6	2184.0	2208.0	2209.0	2159.0	1424.9	2208.0
Indicator value	**0**	**1.0**	**1.0**	**0.9**	**0.8**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Safety System Functional Failures	0	0	0	0	1	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**

Licensee Comments:

4Q/14: LER 2014-005-00 Containment was rendered inoperable due to the removal of the equipment hatch missile shield prior to Mode 5

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	-1.96E-09	-2.13E-09	-2.09E-09	-2.57E-09	-4.01E-09	9.98E-10	1.38E-10	-1.14E-08
URI (ΔCDF)	-1.56E-07	-1.52E-07	-1.48E-07	-1.44E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.40E-07**	**-1.40E-07**	**-1.40E-07**	**-1.50E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	-1.51E-09	-1.10E-09	-1.22E-09	-1.30E-09	-1.56E-09	-1.50E-09	-1.62E-09	-1.72E-09
URI (ΔCDF)	-1.23E-09	-1.09E-09	-9.35E-10	-7.75E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.70E-09**	**-2.20E-09**	**-2.20E-09**	**-2.10E-09**	**-2.20E-09**	**-2.10E-09**	**-2.20E-09**	**-2.30E-09**

Licensee Comments:

4Q/14: BVPS Unit 1 valves MOV-1SI-863A, 863B, 867A, 867B, 867C, and 867D are removed from the scope of MSPI. This is due to a PRA model change resulting in a Unit 1 MSPI Basis Document (BVRM-RAS-0002) change that was effective July 1, 2013.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	5.30E-09	4.14E-09	5.29E-09	5.75E-09	5.45E-09	4.99E-09	5.65E-09	3.81E-09
URI (ΔCDF)	-4.63E-09	8.50E-09	8.50E-09	8.50E-09	8.50E-09	8.50E-09	4.06E-08	4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.80E-10**	**1.30E-08**	**1.40E-08**	**1.40E-08**	**1.40E-08**	**1.30E-08**	**4.60E-08**	**4.40E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	7.85E-09	7.32E-09	7.07E-09	8.20E-09	9.96E-09	2.06E-09	6.19E-10	-4.60E-10
URI (ΔCDF)	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.70E-09**	**2.20E-09**	**1.90E-09**	**3.00E-09**	**4.80E-09**	**-3.10E-09**	**-4.50E-09**	**-5.60E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	-4.12E-08	-4.11E-08	-4.12E-08	-4.12E-08	-4.12E-08	-4.11E-08	-4.37E-08	-4.52E-08
URI (ΔCDF)	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.60E-08**	**-5.70E-08**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**
Maximum activity	N/A	0.000079	0.000081	0.000073	0.000087	0.000093	0.000093	0.000100	0.000107	0.000114	0.000114	0.000116
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**
Maximum activity	0.000113	0.000113	0.000118	0.000130	0.000125	0.000129	0.000131	0.000072	0.000072	0.000084	0.000091	0.000089
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**
Maximum leakage	N/A	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**N/A**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Leakage	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**
Maximum leakage	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.020	0.020	0.020	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.2**	**0.1**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful opportunities	4.0	10.0	42.0	91.0	100.0	58.0	36.0	106.0
Total opportunities	4.0	11.0	44.0	92.0	102.0	60.0	36.0	108.0
Indicator value	**99.3%**	**98.6%**	**97.9%**	**98.1%**	**98.1%**	**97.8%**	**97.8%**	**97.8%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Participating Key personnel	175.0	166.0	165.0	162.0	173.0	175.0	173.0	165.0
Total Key personnel	178.0	172.0	167.0	162.0	173.0	175.0	173.0	165.0
Indicator value	**98.3%**	**96.5%**	**98.8%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful siren-tests	1680	1440	1560	1679	1554	1558	1560	1560
Total sirens-tests	1680	1440	1560	1680	1560	1560	1560	1560
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
High radiation area occurrences	0	0	1	0	0	0	0	0
Very high radiation area occurrences	1	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**2**	**2**	**1**	**1**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: December 15, 2015

Beaver Valley 1

4Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned scrams	1.0	0	0	0	0	1.0	0	0
Critical hours	1638.6	2184.0	2208.0	2209.0	2159.0	1424.9	2208.0	2209.0
Indicator value	**1.9**	**1.9**	**1.9**	**0.8**	**0**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	1638.6	2184.0	2208.0	2209.0	2159.0	1424.9	2208.0	2209.0
Indicator value	**1.0**	**1.0**	**0.9**	**0.8**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Safety System Functional Failures	0	0	0	1	0	0	0	0
Indicator value	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**0**

Licensee Comments:

4Q/14: LER 2014-005-00 Containment was rendered inoperable due to the removal of the equipment hatch missile shield prior to Mode 5

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	-2.13E-09	-2.09E-09	-2.57E-09	-4.01E-09	9.98E-10	1.38E-10	-1.14E-08	-8.76E-09
URI (ΔCDF)	-1.52E-07	-1.48E-07	-1.44E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.50E-07**	**-1.50E-07**	**-1.40E-07**	**-1.40E-07**	**-1.40E-07**	**-1.50E-07**	**-1.50E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	-1.10E-09	-1.22E-09	-1.30E-09	-1.56E-09	-1.50E-09	-1.62E-09	-1.72E-09	-1.40E-09
URI (ΔCDF)	-1.09E-09	-9.35E-10	-7.75E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-09**	**-2.20E-09**	**-2.10E-09**	**-2.20E-09**	**-2.10E-09**	**-2.20E-09**	**-2.30E-09**	**-2.00E-09**

Licensee Comments:

4Q/14: BVPS Unit 1 valves MOV-1SI-863A, 863B, 867A, 867B, 867C, and 867D are removed from the scope of MSPI. This is due to a PRA model change resulting in a Unit 1 MSPI Basis Document (BVRM-RAS-0002) change that was effective July 1, 2013.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	4.14E-09	5.29E-09	5.75E-09	5.45E-09	4.99E-09	5.65E-09	3.81E-09	4.51E-09
URI (ΔCDF)	8.50E-09	8.50E-09	8.50E-09	8.50E-09	8.50E-09	4.06E-08	4.06E-08	4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.30E-08**	**1.40E-08**	**1.40E-08**	**1.40E-08**	**1.30E-08**	**4.60E-08**	**4.40E-08**	**4.50E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	7.32E-09	7.07E-09	8.20E-09	9.96E-09	2.06E-09	6.19E-10	-4.60E-10	-4.24E-10
URI (ΔCDF)	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.20E-09**	**1.90E-09**	**3.00E-09**	**4.80E-09**	**-3.10E-09**	**-4.50E-09**	**-5.60E-09**	**-5.60E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	-4.11E-08	-4.12E-08	-4.12E-08	-4.12E-08	-4.11E-08	-4.37E-08	-4.52E-08	-4.52E-08
URI (ΔCDF)	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.60E-08**	**-5.70E-08**	**-5.70E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**
Maximum activity	0.000073	0.000087	0.000093	0.000093	0.000100	0.000107	0.000114	0.000114	0.000116	0.000113	0.000113	0.000118
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**
Maximum activity	0.000130	0.000125	0.000129	0.000131	0.000072	0.000072	0.000084	0.000091	0.000089	0.000094	0.000107	0.000110
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**
Maximum leakage	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Leakage	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**
Maximum leakage	0.010	0.010	0.010	0.010	0.010	0.020	0.020	0.020	0.010	0.010	0.020	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.2**	**0.1**	**0.1**	**0.2**	**0.1**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful opportunities	10.0	42.0	91.0	100.0	58.0	36.0	106.0	17.0
Total opportunities	11.0	44.0	92.0	102.0	60.0	36.0	108.0	18.0
Indicator value	**98.6%**	**97.9%**	**98.1%**	**98.1%**	**97.8%**	**97.8%**	**97.8%**	**97.7%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Participating Key personnel	166.0	165.0	162.0	173.0	175.0	173.0	165.0	161.0
Total Key personnel	172.0	167.0	162.0	173.0	175.0	173.0	165.0	161.0
Indicator value	**96.5%**	**98.8%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful siren-tests	1440	1560	1679	1554	1558	1560	1560	1559
Total sirens-tests	1440	1560	1680	1560	1560	1560	1560	1560
Indicator value	**100.0%**	**100.0%**	**100.0%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
High radiation area occurrences	0	1	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**2**	**2**	**1**	**1**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: March 1, 2016

Beaver Valley 1

1Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	1424.9	2208.0	2209.0	2183.0
Indicator value	**1.9**	**1.9**	**0.8**	**0**	**0.9**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	1424.9	2208.0	2209.0	2183.0
Indicator value	**1.0**	**0.9**	**0.8**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Safety System Functional Failures	0	0	1	0	0	0	0	0
Indicator value	**0**	**0**	**1**	**1**	**1**	**1**	**0**	**0**

Licensee Comments:

4Q/14: LER 2014-005-00 Containment was rendered inoperable due to the removal of the equipment hatch missile shield prior to Mode 5

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	-2.09E-09	-2.57E-09	-4.01E-09	9.98E-10	1.38E-10	-1.14E-08	-8.76E-09	-1.37E-09
URI (ΔCDF)	-1.48E-07	-1.44E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.50E-07**	**-1.40E-07**	**-1.40E-07**	**-1.40E-07**	**-1.50E-07**	**-1.50E-07**	**-1.40E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	-1.22E-09	-1.30E-09	-1.56E-09	-1.50E-09	-1.62E-09	-1.72E-09	-1.40E-09	-1.26E-09
URI (ΔCDF)	-9.35E-10	-7.75E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-09**	**-2.10E-09**	**-2.20E-09**	**-2.10E-09**	**-2.20E-09**	**-2.30E-09**	**-2.00E-09**	**-1.90E-09**

Licensee Comments:

4Q/14: BVPS Unit 1 valves MOV-1SI-863A, 863B, 867A, 867B, 867C, and 867D are removed from the scope of MSPI. This is due to a PRA model change resulting in a Unit 1 MSPI Basis Document (BVRM-RAS-0002) change that was effective July 1, 2013.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	5.29E-09	5.75E-09	5.45E-09	4.99E-09	5.65E-09	3.81E-09	4.51E-09	6.04E-09
URI (ΔCDF)	8.50E-09	8.50E-09	8.50E-09	8.50E-09	4.06E-08	4.06E-08	4.06E-08	4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-08**	**1.40E-08**	**1.40E-08**	**1.30E-08**	**4.60E-08**	**4.40E-08**	**4.50E-08**	**4.70E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	7.07E-09	8.20E-09	9.96E-09	2.06E-09	6.19E-10	-4.60E-10	-4.24E-10	4.47E-10
URI (ΔCDF)	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.90E-09**	**3.00E-09**	**4.80E-09**	**-3.10E-09**	**-4.50E-09**	**-5.60E-09**	**-5.60E-09**	**-4.70E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	-4.12E-08	-4.12E-08	-4.12E-08	-4.11E-08	-4.37E-08	-4.52E-08	-4.52E-08	-4.52E-08
URI (ΔCDF)	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.60E-08**	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**
Maximum activity	0.000093	0.000100	0.000107	0.000114	0.000114	0.000116	0.000113	0.000113	0.000118	0.000130	0.000125	0.000129
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**
Maximum activity	0.000131	0.000072	0.000072	0.000084	0.000091	0.000089	0.000094	0.000107	0.000110	0.000129	0.000192	0.000111
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**
Maximum leakage	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Leakage	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**
Maximum leakage	0.010	0.010	0.020	0.020	0.020	0.010	0.010	0.020	0.010	0.010	0.020	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.1**	**0.2**	**0.2**	**0.2**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.2**	**0.2**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful opportunities	42.0	91.0	100.0	58.0	36.0	106.0	17.0	62.0
Total opportunities	44.0	92.0	102.0	60.0	36.0	108.0	18.0	62.0
Indicator value	**97.9%**	**98.1%**	**98.1%**	**97.8%**	**97.8%**	**97.8%**	**97.7%**	**98.1%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Participating Key personnel	165.0	162.0	173.0	175.0	173.0	165.0	161.0	168.0
Total Key personnel	167.0	162.0	173.0	175.0	173.0	165.0	161.0	168.0
Indicator value	**98.8%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful siren-tests	1560	1679	1554	1558	1560	1560	1559	1558
Total sirens-tests	1560	1680	1560	1560	1560	1560	1560	1560
Indicator value	**100.0%**	**100.0%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
High radiation area occurrences	1	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**2**	**2**	**1**	**1**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: April 23, 2016

Beaver Valley 1

2Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1424.9	2208.0	2209.0	2183.0	2184.0
Indicator value	**1.9**	**0.8**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1424.9	2208.0	2209.0	2183.0	2184.0
Indicator value	**0.9**	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Safety System Functional Failures	0	1	0	0	0	0	0	0
Indicator value	**0**	**1**	**1**	**1**	**1**	**0**	**0**	**0**

Licensee Comments:

4Q/14: LER 2014-005-00 Containment was rendered inoperable due to the removal of the equipment hatch missile shield prior to Mode 5

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	-2.57E-09	-4.01E-09	9.98E-10	1.38E-10	-1.14E-08	-8.76E-09	-1.37E-09	-9.60E-09
URI (ΔCDF)	-1.44E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.40E-07**	**-1.40E-07**	**-1.40E-07**	**-1.50E-07**	**-1.50E-07**	**-1.40E-07**	**-1.50E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	-1.30E-09	-1.56E-09	-1.50E-09	-1.62E-09	-1.72E-09	-1.40E-09	-1.26E-09	-9.49E-10
URI (ΔCDF)	-7.75E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-09**	**-2.20E-09**	**-2.10E-09**	**-2.20E-09**	**-2.30E-09**	**-2.00E-09**	**-1.90E-09**	**-1.60E-09**

Licensee Comments:

4Q/14: BVPS Unit 1 valves MOV-1SI-863A, 863B, 867A, 867B, 867C, and 867D are removed from the scope of MSPI. This is due to a PRA model change resulting in a Unit 1 MSPI Basis Document (BVRM-RAS-0002) change that was effective July 1, 2013.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	5.75E-09	5.45E-09	4.99E-09	5.65E-09	3.81E-09	4.51E-09	6.04E-09	5.55E-09
URI (ΔCDF)	8.50E-09	8.50E-09	8.50E-09	4.06E-08	4.06E-08	4.06E-08	4.06E-08	4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-08**	**1.40E-08**	**1.30E-08**	**4.60E-08**	**4.40E-08**	**4.50E-08**	**4.70E-08**	**4.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	8.20E-09	9.96E-09	2.06E-09	6.19E-10	-4.60E-10	-4.24E-10	4.47E-10	2.19E-09
URI (ΔCDF)	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.00E-09**	**4.80E-09**	**-3.10E-09**	**-4.50E-09**	**-5.60E-09**	**-5.60E-09**	**-4.70E-09**	**-3.00E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	-4.12E-08	-4.12E-08	-4.11E-08	-4.37E-08	-4.52E-08	-4.52E-08	-4.52E-08	-4.52E-08
URI (ΔCDF)	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-08**	**-5.30E-08**	**-5.30E-08**	**-5.60E-08**	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**
Maximum activity	0.000114	0.000114	0.000116	0.000113	0.000113	0.000118	0.000130	0.000125	0.000129	0.000131	0.000072	0.000072
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**
Maximum activity	0.000084	0.000091	0.000089	0.000094	0.000107	0.000110	0.000129	0.000192	0.000111	0.000128	0.000117	0.000118
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**
Maximum leakage	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**
Reactor Coolant System Leakage	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**
Maximum leakage	0.020	0.020	0.010	0.010	0.020	0.010	0.010	0.020	0.020	0.010	0.020	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.2**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.2**	**0.2**	**0.1**	**0.2**	**0.1**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful opportunities	91.0	100.0	58.0	36.0	106.0	17.0	62.0	68.0
Total opportunities	92.0	102.0	60.0	36.0	108.0	18.0	62.0	71.0
Indicator value	**98.1%**	**98.1%**	**97.8%**	**97.8%**	**97.8%**	**97.7%**	**98.1%**	**98.0%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Participating Key personnel	162.0	173.0	175.0	173.0	165.0	161.0	168.0	170.0
Total Key personnel	162.0	173.0	175.0	173.0	165.0	161.0	168.0	170.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful siren-tests	1679	1554	1558	1560	1560	1559	1558	1559
Total sirens-tests	1680	1560	1560	1560	1560	1560	1560	1560
Indicator value	**100.0%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**99.9%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**2**	**1**	**1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: July 25, 2016

Beaver Valley 1

3Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2209.0	2159.0	1424.9	2208.0	2209.0	2183.0	2184.0	2040.3
Indicator value	**0.8**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2209.0	2159.0	1424.9	2208.0	2209.0	2183.0	2184.0	2040.3
Indicator value	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0.8**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Safety System Functional Failures	1	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**0**

Licensee Comments:

4Q/14: LER 2014-005-00 Containment was rendered inoperable due to the removal of the equipment hatch missile shield prior to Mode 5

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	-4.01E-09	9.98E-10	1.38E-10	-1.14E-08	-8.76E-09	-1.37E-09	-9.60E-09	-1.76E-08
URI (ΔCDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.40E-07**	**-1.40E-07**	**-1.50E-07**	**-1.50E-07**	**-1.40E-07**	**-1.50E-07**	**-1.60E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	-1.56E-09	-1.50E-09	-1.62E-09	-1.72E-09	-1.40E-09	-1.26E-09	-9.49E-10	-9.68E-10
URI (ΔCDF)	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-09**	**-2.10E-09**	**-2.20E-09**	**-2.30E-09**	**-2.00E-09**	**-1.90E-09**	**-1.60E-09**	**-1.60E-09**

Licensee Comments:

4Q/14: BVPS Unit 1 valves MOV-1SI-863A, 863B, 867A, 867B, 867C, and 867D are removed from the scope of MSPI. This is due to a PRA model change resulting in a Unit 1 MSPI Basis Document (BVRM-RAS-0002) change that was effective July 1, 2013.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	5.45E-09	4.99E-09	5.65E-09	3.81E-09	4.51E-09	6.04E-09	5.55E-09	6.83E-09
URI (ΔCDF)	8.50E-09	8.50E-09	4.06E-08	4.06E-08	4.06E-08	4.06E-08	4.06E-08	4.07E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-08**	**1.30E-08**	**4.60E-08**	**4.40E-08**	**4.50E-08**	**4.70E-08**	**4.60E-08**	**4.80E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	9.96E-09	2.06E-09	6.19E-10	-4.60E-10	-4.24E-10	4.47E-10	2.19E-09	-1.97E-09
URI (ΔCDF)	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.80E-09**	**-3.10E-09**	**-4.50E-09**	**-5.60E-09**	**-5.60E-09**	**-4.70E-09**	**-3.00E-09**	**-7.10E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	-4.12E-08	-4.11E-08	-4.37E-08	-4.52E-08	-4.52E-08	-4.52E-08	-4.52E-08	-4.52E-08
URI (ΔCDF)	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-08**	**-5.30E-08**	**-5.60E-08**	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**
Maximum activity	0.000113	0.000113	0.000118	0.000130	0.000125	0.000129	0.000131	0.000072	0.000072	0.000084	0.000091	0.000089
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**	**7/16**	**8/16**	**9/16**
Maximum activity	0.000094	0.000107	0.000110	0.000129	0.000192	0.000111	0.000128	0.000117	0.000118	0.000125	0.000310	0.000117
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**
Maximum leakage	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.020	0.020	0.020	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.2**	**0.1**
Reactor Coolant System Leakage	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**	**7/16**	**8/16**	**9/16**
Maximum leakage	0.010	0.020	0.010	0.010	0.020	0.020	0.010	0.020	0.010	0.010	0.010	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.2**	**0.1**	**0.1**	**0.2**	**0.2**	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**	**0.4**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful opportunities	100.0	58.0	36.0	106.0	17.0	62.0	68.0	39.0
Total opportunities	102.0	60.0	36.0	108.0	18.0	62.0	71.0	40.0
Indicator value	**98.1%**	**97.8%**	**97.8%**	**97.8%**	**97.7%**	**98.1%**	**98.0%**	**97.8%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Participating Key personnel	173.0	175.0	173.0	165.0	161.0	168.0	170.0	166.0
Total Key personnel	173.0	175.0	173.0	165.0	161.0	168.0	170.0	166.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful siren-tests	1554	1558	1560	1560	1559	1558	1559	1560
Total sirens-tests	1560	1560	1560	1560	1560	1560	1560	1560
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**99.9%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: October 23, 2016

Beaver Valley 1

4Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2159.0	1424.9	2208.0	2209.0	2183.0	2184.0	2040.3	1653.7
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2159.0	1424.9	2208.0	2209.0	2183.0	2184.0	2040.3	1653.7
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.8**	**0.9**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	9.98E-10	1.38E-10	-1.14E-08	-8.76E-09	-1.37E-09	-9.60E-09	-1.76E-08	-2.12E-08
URI (ΔCDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.40E-07**	**-1.50E-07**	**-1.50E-07**	**-1.40E-07**	**-1.50E-07**	**-1.60E-07**	**-1.60E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	-1.50E-09	-1.62E-09	-1.72E-09	-1.40E-09	-1.26E-09	-9.49E-10	-9.68E-10	-1.32E-09
URI (ΔCDF)	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-09**	**-2.20E-09**	**-2.30E-09**	**-2.00E-09**	**-1.90E-09**	**-1.60E-09**	**-1.60E-09**	**-1.90E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	4.99E-09	5.65E-09	3.81E-09	4.51E-09	6.04E-09	5.55E-09	6.83E-09	3.95E-09
URI (ΔCDF)	8.50E-09	4.06E-08	4.06E-08	4.06E-08	4.06E-08	4.06E-08	4.07E-08	4.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.30E-08**	**4.60E-08**	**4.40E-08**	**4.50E-08**	**4.70E-08**	**4.60E-08**	**4.80E-08**	**4.50E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	2.06E-09	6.19E-10	-4.60E-10	-4.24E-10	4.47E-10	2.19E-09	-1.97E-09	-2.32E-09
URI (ΔCDF)	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.10E-09**	**-4.50E-09**	**-5.60E-09**	**-5.60E-09**	**-4.70E-09**	**-3.00E-09**	**-7.10E-09**	**-7.50E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	-4.11E-08	-4.37E-08	-4.52E-08	-4.52E-08	-4.52E-08	-4.52E-08	-4.52E-08	-4.52E-08
URI (ΔCDF)	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-08**	**-5.60E-08**	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**
Maximum activity	0.000130	0.000125	0.000129	0.000131	0.000072	0.000072	0.000084	0.000091	0.000089	0.000094	0.000107	0.000110
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**	**7/16**	**8/16**	**9/16**	**10/16**	**11/16**	**12/16**
Maximum activity	0.000129	0.000192	0.000111	0.000128	0.000117	0.000118	0.000125	0.000310	0.000117	0.000024	0.000078	0.000070
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**
Maximum leakage	0.010	0.010	0.010	0.010	0.010	0.020	0.020	0.020	0.010	0.010	0.020	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.2**	**0.1**	**0.1**	**0.2**	**0.1**
Reactor Coolant System Leakage	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**	**7/16**	**8/16**	**9/16**	**10/16**	**11/16**	**12/16**
Maximum leakage	0.010	0.020	0.020	0.010	0.020	0.010	0.010	0.010	0.040	0.010	0.020	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.2**	**0.2**	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**	**0.4**	**0.1**	**0.2**	**0.1**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful opportunities	58.0	36.0	106.0	17.0	62.0	68.0	39.0	42.0
Total opportunities	60.0	36.0	108.0	18.0	62.0	71.0	40.0	43.0
Indicator value	**97.8%**	**97.8%**	**97.8%**	**97.7%**	**98.1%**	**98.0%**	**97.8%**	**97.7%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Participating Key personnel	175.0	173.0	165.0	161.0	168.0	170.0	166.0	170.0
Total Key personnel	175.0	173.0	165.0	161.0	168.0	170.0	166.0	170.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful siren-tests	1558	1560	1560	1559	1558	1559	1560	1560
Total sirens-tests	1560	1560	1560	1560	1560	1560	1560	1560
Indicator value	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**99.9%**	**99.9%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

Last Modified: January 24, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Beaver Valley 1 – Quarterly Performance Indicators

1Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	1424.9	2208.0	2209.0	2183.0	2184.0	2040.3	1653.7	2159.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	1424.9	2208.0	2209.0	2183.0	2184.0	2040.3	1653.7	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.8**	**0.9**	**0.9**

TOP

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

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Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**

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Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	1.38E-10	-1.14E-08	-8.76E-09	-1.37E-09	-9.60E-09	-1.76E-08	-2.12E-08	-1.29E-09
URI (ΔCDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-2.72E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.50E-07**	**-1.50E-07**	**-1.40E-07**	**-1.50E-07**	**-1.60E-07**	**-1.60E-07**	**-2.80E-08**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The BVPS Unit 1 PRA Model Revision 06 was approved on 12/31/2016 with a corresponding MSPI Document Revision 08 approved on 3/22/2017. The PRA model revision was a periodic update to the model which included a data update. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Events Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	-1.62E-09	-1.72E-09	-1.40E-09	-1.26E-09	-9.49E-10	-9.68E-10	-1.32E-09	-2.98E-09
URI (ΔCDF)	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-1.34E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**-2.20E-09**	**-2.30E-09**	**-2.00E-09**	**-1.90E-09**	**-1.60E-09**	**-1.60E-09**	**-1.90E-09**	**-4.30E-09**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The BVPS Unit 1 PRA Model Revision 06 was approved on 12/31/2016 with a corresponding MSPI Document Revision 08 approved on 3/22/2017. The PRA model revision was a periodic update to the model which included a data update. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Events Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**	**1Q/17**
UAI (ΔCDF)	5.65E-09	3.81E-09	4.51E-09	6.04E-09	5.55E-09	6.83E-09	3.95E-09	2.55E-09
URI (ΔCDF)	4.06E-08	4.06E-08	4.06E-08	4.06E-08	4.06E-08	4.07E-08	4.10E-08	3.23E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.60E-08**	**4.40E-08**	**4.50E-08**	**4.70E-08**	**4.60E-08**	**4.80E-08**	**4.50E-08**	**3.50E-08**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The BVPS Unit 1 PRA Model Revision 06 was approved on 12/31/2016 with a corresponding MSPI Document Revision 08 approved on 3/22/2017. The PRA model revision was a periodic update to the model which included a data update. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Events Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	6.19E-10	-4.60E-10	-4.24E-10	4.47E-10	2.19E-09	-1.97E-09	-2.32E-09	-1.66E-09
URI (ΔCDF)	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-4.80E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.50E-09**	**-5.60E-09**	**-5.60E-09**	**-4.70E-09**	**-3.00E-09**	**-7.10E-09**	**-7.50E-09**	**-6.50E-09**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The BVPS Unit 1 PRA Model Revision 06 was approved on 12/31/2016 with a corresponding MSPI Document Revision 08 approved on 3/22/2017. The PRA model revision was a periodic update to the model which included a data update. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Events Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	-4.37E-08	-4.52E-08	-4.52E-08	-4.52E-08	-4.52E-08	-4.52E-08	-4.52E-08	-6.64E-09
URI (ΔCDF)	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.49E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.60E-08**	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**	**-8.10E-09**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The BVPS Unit 1 PRA Model Revision 06 was approved on 12/31/2016 with a corresponding MSPI Document Revision 08 approved on 3/22/2017. The PRA model revision was a periodic update to the model which included a data update. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Events Probabilities for all monitored trains and components were revised.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum activity	0.000131	0.000072	0.000072	0.000084	0.000091	0.000089	0.000094	0.000107	0.000110	0.000129	0.000192	0.000111
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**

Reactor Coolant System Activity	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17
Maximum activity	0.000128	0.000117	0.000118	0.000125	0.000310	0.000117	0.000024	0.000078	0.000070	0.000077	0.000079	0.000089
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum leakage	0.010	0.010	0.020	0.020	0.020	0.010	0.010	0.020	0.010	0.010	0.020	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.1**	**0.2**	**0.2**	**0.2**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.2**	**0.2**

Reactor Coolant System Leakage	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17
Maximum leakage	0.010	0.020	0.010	0.010	0.010	0.040	0.010	0.020	0.010	0.010	0.010	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**	**0.4**	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**

TOP

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful opportunities	36.0	106.0	17.0	62.0	68.0	39.0	42.0	92.0
Total opportunities	36.0	108.0	18.0	62.0	71.0	40.0	43.0	92.0
Indicator value	**97.8%**	**97.8%**	**97.7%**	**98.1%**	**98.0%**	**97.8%**	**97.7%**	**98.3%**

TOP

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Participating Key personnel	173.0	165.0	161.0	168.0	170.0	166.0	170.0	179.0
Total Key personnel	173.0	165.0	161.0	168.0	170.0	166.0	170.0	179.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful siren-tests	1560	1560	1559	1558	1559	1560	1560	1560
Total sirens-tests	1560	1560	1560	1560	1560	1560	1560	1560
Indicator value	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Current data as of: May 5, 2017

Page Last Reviewed/Updated Wednesday, June 07, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Beaver Valley 1 – Quarterly Performance Indicators

2Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
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- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
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- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	2040.3	1653.7	2159.0	2184.0
Indicator value	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	2040.3	1653.7	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0.8**	**0.9**	**0.9**	**0.9**

TOP

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TOP

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Safety System Functional Failures	0	0	0	0	0	0	0	1
Indicator value	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**1**

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Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-1.14E-08	-8.76E-09	-1.37E-09	-9.60E-09	-1.76E-08	-2.12E-08	-1.29E-09	-2.30E-09
URI (ΔCDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-2.72E-08	-2.72E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.50E-07**	**-1.40E-07**	**-1.50E-07**	**-1.60E-07**	**-1.60E-07**	**-2.80E-08**	**-2.90E-08**

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Licensee Comments:
1Q/17: Changed PRA Parameter(s). The BVPS Unit 1 PRA Model Revision 06 was approved on 12/31/2016 with a corresponding MSPI Document Revision 08 approved on 3/22/2017. The PRA model revision was a periodic update to the model which included a data update. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Events Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-1.72E-09	-1.40E-09	-1.26E-09	-9.49E-10	-9.68E-10	-1.32E-09	-2.98E-09	-2.95E-09
URI (ΔCDF)	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-1.34E-09	-1.34E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**-2.30E-09**	**-2.00E-09**	**-1.90E-09**	**-1.60E-09**	**-1.60E-09**	**-1.90E-09**	**-4.30E-09**	**-4.30E-09**

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Licensee Comments:
1Q/17: Changed PRA Parameter(s). The BVPS Unit 1 PRA Model Revision 06 was approved on 12/31/2016 with a corresponding MSPI Document Revision 08 approved on 3/22/2017. The PRA model revision was a periodic update to the model which included a data update. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Events Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**	**1Q/17**	**2Q/17**
UAI (ΔCDF)	3.81E-09	4.51E-09	6.04E-09	5.55E-09	6.83E-09	3.95E-09	2.55E-09	1.24E-09
URI (ΔCDF)	4.06E-08	4.06E-08	4.06E-08	4.06E-08	4.07E-08	4.10E-08	3.23E-08	3.23E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.40E-08**	**4.50E-08**	**4.70E-08**	**4.60E-08**	**4.80E-08**	**4.50E-08**	**3.50E-08**	**3.40E-08**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The BVPS Unit 1 PRA Model Revision 06 was approved on 12/31/2016 with a corresponding MSPI Document Revision 08 approved on 3/22/2017. The PRA model revision was a periodic update to the model which included a data update. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Events Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-4.60E-10	-4.24E-10	4.47E-10	2.19E-09	-1.97E-09	-2.32E-09	-1.66E-09	-1.66E-09
URI (ΔCDF)	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-4.80E-09	-4.80E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.60E-09**	**-5.60E-09**	**-4.70E-09**	**-3.00E-09**	**-7.10E-09**	**-7.50E-09**	**-6.50E-09**	**-6.50E-09**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The BVPS Unit 1 PRA Model Revision 06 was approved on 12/31/2016 with a corresponding MSPI Document Revision 08 approved on 3/22/2017. The PRA model revision was a periodic update to the model which included a data update. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Events Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-4.52E-08	-4.52E-08	-4.52E-08	-4.52E-08	-4.52E-08	-4.52E-08	-6.64E-09	-6.62E-09
URI (ΔCDF)	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.49E-09	-1.49E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**	**-8.10E-09**	**-8.10E-09**

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Licensee Comments:
1Q/17: Changed PRA Parameter(s). The BVPS Unit 1 PRA Model Revision 06 was approved on 12/31/2016 with a corresponding MSPI Document Revision 08 approved on 3/22/2017. The PRA model revision was a periodic update to the model which included a data update. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Events Probabilities for all monitored trains and components were revised.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum activity	0.000084	0.000091	0.000089	0.000094	0.000107	0.000110	0.000129	0.000192	0.000111	0.000128	0.000117	0.000118
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17
Maximum activity	0.000125	0.000310	0.000117	0.000024	0.000078	0.000070	0.000077	0.000079	0.000089	0.000096	0.000096	0.000093
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum leakage	0.020	0.020	0.010	0.010	0.020	0.010	0.010	0.020	0.020	0.010	0.020	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.2**	**0.2**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.2**	**0.2**	**0.1**	**0.2**	**0.1**

Reactor Coolant System Leakage	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17
Maximum leakage	0.010	0.010	0.040	0.010	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.1**	**0.4**	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

TOP

Licensee Comments: none

Notes

Drill/Exercise Performance	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful opportunities	106.0	17.0	62.0	68.0	39.0	42.0	92.0	35.0
Total opportunities	108.0	18.0	62.0	71.0	40.0	43.0	92.0	36.0
Indicator value	**97.8%**	**97.7%**	**98.1%**	**98.0%**	**97.8%**	**97.7%**	**98.3%**	**98.1%**

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Licensee Comments: none

Notes

ERO Drill Participation	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Participating Key personnel	165.0	161.0	168.0	170.0	166.0	170.0	179.0	183.0
Total Key personnel	165.0	161.0	168.0	170.0	166.0	170.0	179.0	183.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

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Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful siren-tests	1560	1559	1558	1559	1560	1560	1560	1533
Total sirens-tests	1560	1560	1560	1560	1560	1560	1560	1534
Indicator value	**99.9%**	**100.0%**	**100.0%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**100.0%**

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Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Current data as of: July 26, 2017

Page Last Reviewed/Updated Wednesday, June 07, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Beaver Valley 1 – Quarterly Performance Indicators

3Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
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- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2183.0	2184.0	2040.3	1653.7	2159.0	2184.0	2208.0
Indicator value	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**

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Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	2209.0	2183.0	2184.0	2040.3	1653.7	2159.0	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0.8**	**0.9**	**0.9**	**0.9**	**0**

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Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

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Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Safety System Functional Failures	0	0	0	0	0	0	1	1
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**

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Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-8.76E-09	-1.37E-09	-9.60E-09	-1.76E-08	-2.12E-08	-1.29E-09	-2.30E-09	-4.33E-09
URI (ΔCDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-2.72E-08	-2.72E-08	-2.72E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.40E-07**	**-1.50E-07**	**-1.60E-07**	**-1.60E-07**	**-2.80E-08**	**-2.90E-08**	**-3.10E-08**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The BVPS Unit 1 PRA Model Revision 06 was approved on 12/31/2016 with a corresponding MSPI Document Revision 08 approved on 3/22/2017. The PRA model revision was a periodic update to the model which included a data update. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Events Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-1.40E-09	-1.26E-09	-9.49E-10	-9.68E-10	-1.32E-09	-2.98E-09	-2.95E-09	-2.98E-09
URI (ΔCDF)	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-1.34E-09	-1.34E-09	-1.34E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**-2.00E-09**	**-1.90E-09**	**-1.60E-09**	**-1.60E-09**	**-1.90E-09**	**-4.30E-09**	**-4.30E-09**	**-4.30E-09**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The BVPS Unit 1 PRA Model Revision 06 was approved on 12/31/2016 with a corresponding MSPI Document Revision 08 approved on 3/22/2017. The PRA model revision was a periodic update to the model which included a data update. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Events Probabilities for all monitored trains and components were revised.

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**	**1Q/17**	**2Q/17**	**3Q/17**
UAI (ΔCDF)	4.51E-09	6.04E-09	5.55E-09	6.83E-09	3.95E-09	2.55E-09	1.24E-09	2.78E-09
URI (ΔCDF)	4.06E-08	4.06E-08	4.06E-08	4.07E-08	4.10E-08	3.23E-08	3.23E-08	3.23E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.50E-08**	**4.70E-08**	**4.60E-08**	**4.80E-08**	**4.50E-08**	**3.50E-08**	**3.40E-08**	**3.50E-08**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The BVPS Unit 1 PRA Model Revision 06 was approved on 12/31/2016 with a corresponding MSPI Document Revision 08 approved on 3/22/2017. The PRA model revision was a periodic update to the model which included a data update. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Events Probabilities for all monitored trains and components were revised.

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-4.24E-10	4.47E-10	2.19E-09	-1.97E-09	-2.32E-09	-1.66E-09	-1.66E-09	-1.66E-09
URI (ΔCDF)	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-4.80E-09	-4.80E-09	-4.80E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.60E-09**	**-4.70E-09**	**-3.00E-09**	**-7.10E-09**	**-7.50E-09**	**-6.50E-09**	**-6.50E-09**	**-6.50E-09**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The BVPS Unit 1 PRA Model Revision 06 was approved on 12/31/2016 with a corresponding MSPI Document Revision 08 approved on 3/22/2017. The PRA model revision was a periodic update to the model which included a data update. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Events Probabilities for all monitored trains and components were revised.

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-4.52E-08	-4.52E-08	-4.52E-08	-4.52E-08	-4.52E-08	-6.64E-09	-6.62E-09	-6.64E-09
URI (ΔCDF)	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.49E-09	-1.49E-09	-1.49E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**	**-8.10E-09**	**-8.10E-09**	**-8.10E-09**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The BVPS Unit 1 PRA Model Revision 06 was approved on 12/31/2016 with a corresponding MSPI Document Revision 08 approved on 3/22/2017. The PRA model revision was a periodic update to the model which included a data update. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Events Probabilities for all monitored trains and components were revised.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum activity	0.000094	0.000107	0.000110	0.000129	0.000192	0.000111	0.000128	0.000117	0.000118	0.000125	0.000310	0.000117
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**

Reactor Coolant System Activity	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Maximum activity	0.000024	0.000078	0.000070	0.000077	0.000079	0.000089	0.000096	0.000096	0.000093	0.000098	0.000110	0.000106
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum leakage	0.010	0.020	0.010	0.010	0.020	0.020	0.010	0.020	0.010	0.010	0.010	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.2**	**0.1**	**0.1**	**0.2**	**0.2**	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**	**0.4**

Reactor Coolant System Leakage	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Maximum leakage	0.010	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.8**

TOP

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Successful opportunities	17.0	62.0	68.0	39.0	42.0	92.0	35.0	69.0
Total opportunities	18.0	62.0	71.0	40.0	43.0	92.0	36.0	71.0
Indicator value	**97.7%**	**98.1%**	**98.0%**	**97.8%**	**97.7%**	**98.3%**	**98.1%**	**97.9%**

TOP

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Participating Key personnel	161.0	168.0	170.0	166.0	170.0	179.0	183.0	182.0
Total Key personnel	161.0	168.0	170.0	166.0	170.0	179.0	183.0	182.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Successful siren-tests	1559	1558	1559	1560	1560	1560	1533	1534
Total sirens-tests	1560	1560	1560	1560	1560	1560	1534	1534
Indicator value	**100.0%**	**100.0%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Current data as of: October 31, 2017

Page Last Reviewed/Updated Monday, November 06, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Beaver Valley 1 – Quarterly Performance Indicators

4Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2183.0	2184.0	2040.3	1653.7	2159.0	2184.0	2208.0	2091.9
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0.8**

TOP

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2183.0	2184.0	2040.3	1653.7	2159.0	2184.0	2208.0	2091.9
Indicator value	**0**	**0**	**0.8**	**0.9**	**0.9**	**0.9**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TOP

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Safety System Functional Failures	0	0	0	0	0	1	1	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**2**

TOP

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-1.37E-09	-9.60E-09	-1.76E-08	-2.12E-08	-1.29E-09	-2.30E-09	-4.33E-09	-3.47E-09
URI (ΔCDF)	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-2.72E-08	-2.72E-08	-2.72E-08	-2.72E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.50E-07**	**-1.60E-07**	**-1.60E-07**	**-2.80E-08**	**-2.90E-08**	**-3.10E-08**	**-3.10E-08**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The BVPS Unit 1 PRA Model Revision 06 was approved on 12/31/2016 with a corresponding MSPI Document Revision 08 approved on 3/22/2017. The PRA model revision was a periodic update to the model which included a data update. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Events Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, High Pressure Injection System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-1.26E-09	-9.49E-10	-9.68E-10	-1.32E-09	-2.98E-09	-2.95E-09	-2.98E-09	-2.52E-09
URI (ΔCDF)	-6.06E-10	-6.06E-10	-6.06E-10	-6.06E-10	-1.34E-09	-1.34E-09	-1.34E-09	-1.34E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**-1.90E-09**	**-1.60E-09**	**-1.60E-09**	**-1.90E-09**	**-4.30E-09**	**-4.30E-09**	**-4.30E-09**	**-3.90E-09**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The BVPS Unit 1 PRA Model Revision 06 was approved on 12/31/2016 with a corresponding MSPI Document Revision 08 approved on 3/22/2017. The PRA model revision was a periodic update to the model which included a data update. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Events Probabilities for all monitored trains and components were revised.

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**	**1Q/17**	**2Q/17**	**3Q/17**	**4Q/17**
UAI (ΔCDF)	6.04E-09	5.55E-09	6.83E-09	3.95E-09	2.55E-09	1.24E-09	2.78E-09	1.99E-09
URI (ΔCDF)	4.06E-08	4.06E-08	4.07E-08	4.10E-08	3.23E-08	3.23E-08	3.23E-08	3.15E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.70E-08**	**4.60E-08**	**4.80E-08**	**4.50E-08**	**3.50E-08**	**3.40E-08**	**3.50E-08**	**3.40E-08**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The BVPS Unit 1 PRA Model Revision 06 was approved on 12/31/2016 with a corresponding MSPI Document Revision 08 approved on 3/22/2017. The PRA model revision was a periodic update to the model which included a data update. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Events Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Residual Heat Removal System

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	4.47E-10	2.19E-09	-1.97E-09	-2.32E-09	-1.66E-09	-1.66E-09	-1.66E-09	-1.66E-09
URI (ΔCDF)	-5.15E-09	-5.15E-09	-5.15E-09	-5.15E-09	-4.80E-09	-4.80E-09	-4.80E-09	-4.80E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.70E-09**	**-3.00E-09**	**-7.10E-09**	**-7.50E-09**	**-6.50E-09**	**-6.50E-09**	**-6.50E-09**	**-6.50E-09**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The BVPS Unit 1 PRA Model Revision 06 was approved on 12/31/2016 with a corresponding MSPI Document Revision 08 approved on 3/22/2017. The PRA model revision was a periodic update to the model which included a data update. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Events Probabilities for all monitored trains and components were revised.

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-4.52E-08	-4.52E-08	-4.52E-08	-4.52E-08	-6.64E-09	-6.62E-09	-6.64E-09	-6.64E-09
URI (ΔCDF)	-1.18E-08	-1.18E-08	-1.18E-08	-1.18E-08	-1.49E-09	-1.49E-09	-1.49E-09	-1.49E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**	**-5.70E-08**	**-8.10E-09**	**-8.10E-09**	**-8.10E-09**	**-8.10E-09**

TOP

Licensee Comments:
1Q/17: Changed PRA Parameter(s). The BVPS Unit 1 PRA Model Revision 06 was approved on 12/31/2016 with a corresponding MSPI Document Revision 08 approved on 3/22/2017. The PRA model revision was a periodic update to the model which included a data update. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Events Probabilities for all monitored trains and components were revised.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16
Maximum activity	0.000129	0.000192	0.000111	0.000128	0.000117	0.000118	0.000125	0.000310	0.000117	0.000024	0.000078	0.000070
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17	10/17	11/17	12/17
Maximum activity	0.000077	0.000079	0.000089	0.000096	0.000096	0.000093	0.000098	0.000110	0.000106	0.000110	0.000119	0.000112
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16
Maximum leakage	0.010	0.020	0.020	0.010	0.020	0.010	0.010	0.010	0.040	0.010	0.020	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.2**	**0.2**	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**	**0.4**	**0.1**	**0.2**	**0.1**

Reactor Coolant System Leakage	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17	10/17	11/17	12/17
Maximum leakage	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.080	0.120	0.010	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.8**	**1.2**	**0.1**	**0.1**

TOP

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful opportunities	62.0	68.0	39.0	42.0	92.0	35.0	69.0	40.0
Total opportunities	62.0	71.0	40.0	43.0	92.0	36.0	71.0	41.0
Indicator value	**98.1%**	**98.0%**	**97.8%**	**97.7%**	**98.3%**	**98.1%**	**97.9%**	**98.0%**

TOP

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Participating Key personnel	168.0	170.0	166.0	170.0	179.0	183.0	182.0	179.0
Total Key personnel	168.0	170.0	166.0	170.0	179.0	183.0	182.0	179.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful siren-tests	1558	1559	1560	1560	1560	1533	1534	1534
Total sirens-tests	1560	1560	1560	1560	1560	1534	1534	1534
Indicator value	**100.0%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Current data as of: February 1, 2018

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