Cooper

1Q/2000 Performance Indicators

Licensee's General Comments: RFO 19 in March, 2000

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	0	0	0	0	0
Critical hours	2160.0	2183.0	2043.7	2209.0	1369.4
Indicator value	**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/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	1.0	1.0	1.0	0	1.0
Critical hours	2160.0	2183.0	2043.7	2209.0	1369.4
Indicator value	**3.0**	**3.0**	**3.1**	**2.4**	**2.7**

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	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	0	11.40	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	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	0	12.60	0	12.75	0
Unplanned unavailable hours	3.20	0	0	11.43	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
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.5%**	**0.5%**

Licensee Comments:

2Q/98: 1/2000 - Corrected error in April 1998 hours... was 709, should have been 719. No impact on color.

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	0	18.21	0	0.30	0.13
Unplanned unavailable hours	0	0	2.33	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2040.42	2209.00	1370.57
Indicator value	**0.9%**	**1.0%**	**0.9%**	**0.9%**	**0.8%**

Licensee Comments:

3Q/99: September Hours Required was erroneously listed as 522.417, corrected to 552.417 - 3/8/00

3Q/98: Discovered that 8 hours of unavailability that should have been credited to June, 1998 were placed in July, 1998. No impact on past PI's. JWD

2Q/98: Discovered that 8 hours of unavailability that should have been credited to June, 1998 were placed in July, 1998. No impact on past PI's. JWD

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	12.20	4.92	17.85	2.62	0.85
Unplanned unavailable hours	0	9.50	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	2040.42	2209.00	1370.57
Indicator value	**0.4%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

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	0	0	0	0	0.27
Unplanned unavailable hours	0	0	0	0	23.35
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	1664.85
Train 2					
Planned unavailable hours	0	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	2160.00	2183.00	2208.00	2209.00	1664.85
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.5%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments:

1Q/00: 2/00 - Appendix R/Diesel Fire Pump

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	0.001210	0.000983	0.001018	0.001280	0.001070	0.001200	0.001070	0.001060	0.001140	0.001710	0.001060	0.000774
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.6**	**0.5**	**0.5**	**0.6**	**0.5**	**0.6**	**0.5**	**0.5**	**0.6**	**0.9**	**0.5**	**0.4**

Licensee Comments: none

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	2.170	2.177	2.170	2.162	2.162	2.140	2.145	2.145	2.058	2.097	2.023	2.037
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.2**	**7.3**	**7.2**	**7.2**	**7.2**	**7.1**	**7.2**	**7.2**	**6.9**	**7.0**	**6.7**	**6.8**

Licensee Comments: none

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	45.0	21.0	80.0	60.0	3.0
Total opportunities	45.0	21.0	84.0	63.0	3.0
Indicator value	**100.0%**	**100.0%**	**97.5%**	**96.9%**	**96.9%**

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	127.0	137.0	128.0	125.0	125.0
Total Key personnel	156.0	140.0	130.0	125.0	127.0
Indicator value	**81.4%**	**97.9%**	**98.5%**	**100.0%**	**98.4%**

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	144	143	164	161	142
Total sirens-tests	144	144	168	168	144
Indicator value	**99.2%**	**99.3%**	**98.8%**	**98.1%**	**97.8%**

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	120.00	186.70	148.57	131.02	27.50
CCTV compensatory hours	63.0	1.3	50.4	30.7	4.1
IDS normalization factor	1.30	1.30	1.30	1.30	1.30
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1
Index Value	**0.027**	**0.028**	**0.033**	**0.033**	**0.026**

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

Cooper

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	0	0	0	0
Critical hours	2183.0	2043.7	2209.0	1369.4	849.5
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

2Q/00: Refueling Outage, Forced Outage 2000-02

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	1.0	1.0	0	1.0	1.0
Critical hours	2183.0	2043.7	2209.0	1369.4	849.5
Indicator value	**3.0**	**3.1**	**2.4**	**2.7**	**3.2**

Licensee Comments:

2Q/00: Refueling Outage, Forced Outage 2000-02, Downpower to remove "A" RR MG for wiring connection problem.

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	11.40	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	2183.00	2208.00	2209.00	2184.00	2071.20
Train 2					
Planned unavailable hours	12.60	0	12.75	0	0
Unplanned unavailable hours	0	0	11.43	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	2184.00
Indicator value	**0.7%**	**0.7%**	**0.5%**	**0.5%**	**0.4%**

Licensee Comments:

2Q/00: Refueling Outage

2Q/98: 1/2000 - Corrected error in April 1998 hours... was 709, should have been 719. No impact on color.

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	18.21	0	0.30	0.13	0.43
Unplanned unavailable hours	0	2.33	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2040.42	2209.00	1370.57	838.08
Indicator value	**1.0%**	**0.9%**	**0.9%**	**0.8%**	**0.7%**

Licensee Comments:

2Q/00: Refueling Outage, Forced Outage 2000-02

3Q/99: September Hours Required was erroneously listed as 522.417, corrected to 552.417 - 3/8/00

3Q/98: Discovered that 8 hours of unavailability that should have been credited to June, 1998 were placed in July, 1998. No impact on past PI's. JWD

2Q/98: Discovered that 8 hours of unavailability that should have been credited to June, 1998 were placed in July, 1998. No impact on past PI's. JWD

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	4.92	17.85	2.62	0.85	0.10
Unplanned unavailable hours	9.50	0	0	0	80.77
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2040.42	2209.00	1370.57	838.08
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.9%**

Licensee Comments:

2Q/00: Refueling Outage, Forced Outage 2000-02

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	0	0	0	0.27	21.02
Unplanned unavailable hours	0	0	0	23.35	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	1664.85	2063.80
Train 2					
Planned unavailable hours	0	0	0	0	2.53
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	1664.85	2063.80
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.5%**	**0.3%**

Licensee Comments:

2Q/00: Refueling Outage

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

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	0.001280	0.001070	0.001200	0.001070	0.001060	0.001140	0.001710	0.001060	0.000774	N/A	0.000410	0.001690
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.6**	**0.5**	**0.6**	**0.5**	**0.5**	**0.6**	**0.9**	**0.5**	**0.4**	**N/A**	**0.2**	**0.8**

Licensee Comments:

6/00: Refueling Outage in April

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	2.162	2.162	2.140	2.145	2.145	2.058	2.097	2.023	2.037	N/A	2.000	2.453
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.2**	**7.2**	**7.1**	**7.2**	**7.2**	**6.9**	**7.0**	**6.7**	**6.8**	**N/A**	**6.7**	**8.2**

Licensee Comments:

6/00: Refueling Outage in April

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	21.0	80.0	60.0	3.0	44.0
Total opportunities	21.0	84.0	63.0	3.0	45.0
Indicator value	**100.0%**	**97.5%**	**96.9%**	**96.9%**	**96.9%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Participating Key personnel	137.0	128.0	125.0	125.0	125.0
Total Key personnel	140.0	130.0	125.0	127.0	127.0
Indicator value	**97.9%**	**98.5%**	**100.0%**	**98.4%**	**98.4%**

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	143	164	161	142	141
Total sirens-tests	144	168	168	144	144
Indicator value	**99.3%**	**98.8%**	**98.1%**	**97.8%**	**97.4%**

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

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
IDS compensatory hours	186.70	148.57	131.02	27.50	141.89
CCTV compensatory hours	1.3	50.4	30.7	4.1	1.6
IDS normalization factor	1.30	1.30	1.30	1.30	1.30
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1
Index Value	**0.028**	**0.033**	**0.033**	**0.026**	**0.024**

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

Last Modified: April 1, 2002

Cooper

3Q/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	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned scrams	0	0	0	0	0
Critical hours	2043.7	2209.0	1369.4	849.5	2208.0
Indicator value	**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/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	1.0	1.0	0
Critical hours	2043.7	2209.0	1369.4	849.5	2208.0
Indicator value	**3.1**	**2.4**	**2.7**	**3.2**	**2.1**

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	0	0	0	0	1.10
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	2071.20	2208.00
Train 2					
Planned unavailable hours	0	12.75	0	0	0.72
Unplanned unavailable hours	0	11.43	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	2184.00	2208.00
Indicator value	**0.7%**	**0.5%**	**0.5%**	**0.4%**	**0.4%**

Licensee Comments:

2Q/98: 1/2000 - Corrected error in April 1998 hours... was 709, should have been 719. No impact on color.

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	0	0.30	0.13	0.43	1.74
Unplanned unavailable hours	2.33	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2040.42	2209.00	1370.57	838.08	2208.00
Indicator value	**0.9%**	**0.9%**	**0.8%**	**0.7%**	**0.7%**

Licensee Comments:

3Q/99: September Hours Required was erroneously listed as 522.417, corrected to 552.417 - 3/8/00

3Q/98: Discovered that 8 hours of unavailability that should have been credited to June, 1998 were placed in July, 1998. No impact on past PI's. JWD

2Q/98: Discovered that 8 hours of unavailability that should have been credited to June, 1998 were placed in July, 1998. No impact on past PI's. JWD

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	17.85	2.62	0.85	0.10	3.35
Unplanned unavailable hours	0	0	0	80.77	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2040.42	2209.00	1370.57	838.08	2208.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.9%**	**0.9%**

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	0	0	0.27	21.02	0
Unplanned unavailable hours	0	0	23.35	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	1664.85	2063.80	2208.00
Train 2					
Planned unavailable hours	0	0	0	2.53	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	1664.85	2063.80	2208.00
Indicator value	**0.7%**	**0.7%**	**0.5%**	**0.3%**	**0.2%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

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	0.001070	0.001060	0.001140	0.001710	0.001060	0.000774	N/A	0.000410	0.001690	0.000681	0.000727	0.000454
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.5**	**0.5**	**0.6**	**0.9**	**0.5**	**0.4**	**N/A**	**0.2**	**0.8**	**0.3**	**0.4**	**0.2**

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	2.145	2.145	2.058	2.097	2.023	2.037	N/A	2.000	2.453	2.348	2.390	2.410
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.2**	**7.2**	**6.9**	**7.0**	**6.7**	**6.8**	**N/A**	**6.7**	**8.2**	**7.8**	**8.0**	**8.0**

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	80.0	60.0	3.0	44.0	24.0
Total opportunities	84.0	63.0	3.0	45.0	27.0
Indicator value	**97.5%**	**96.9%**	**96.9%**	**96.9%**	**96.2%**

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	128.0	125.0	125.0	125.0	126.0
Total Key personnel	130.0	125.0	127.0	127.0	128.0
Indicator value	**98.5%**	**100.0%**	**98.4%**	**98.4%**	**98.4%**

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	164	161	142	141	140
Total sirens-tests	168	168	144	144	144
Indicator value	**98.8%**	**98.1%**	**97.8%**	**97.4%**	**97.3%**

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

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
IDS compensatory hours	148.57	131.02	27.50	141.89	84.28
CCTV compensatory hours	50.4	30.7	4.1	1.6	0.7
IDS normalization factor	1.30	1.30	1.30	1.30	1.30
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1
Index Value	**0.033**	**0.033**	**0.026**	**0.024**	**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

Cooper

4Q/2000 Performance Indicators

Licensee's General Comments: Change required due to EP Dept. omitting Operations Simulator drills from December 2000 data. Added 16 successful drills to existing 8, for total 24.

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	0	0	1.0
Critical hours	2209.0	1369.4	849.5	2208.0	2092.6
Indicator value	**0**	**0**	**0**	**0**	**1.1**

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	1.0	1.0	0	1.0
Critical hours	2209.0	1369.4	849.5	2208.0	2092.6
Indicator value	**2.4**	**2.7**	**3.2**	**2.1**	**3.2**

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	0	0	0	1.10	18.02
Unplanned unavailable hours	0	0	0	0	7.95
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2071.20	2208.00	2208.00
Train 2					
Planned unavailable hours	12.75	0	0	0.72	28.05
Unplanned unavailable hours	11.43	0	0	0	4.29
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2184.00	2208.00	2208.00
Indicator value	**0.5%**	**0.5%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	0.30	0.13	0.43	1.74	31.48
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	1370.57	838.08	2208.00	2094.65
Indicator value	**0.9%**	**0.8%**	**0.7%**	**0.7%**	**0.8%**

Licensee Comments:

3Q/98: Discovered that 8 hours of unavailability that should have been credited to June, 1998 were placed in July, 1998. No impact on past PI's. JWD

2Q/98: Discovered that 8 hours of unavailability that should have been credited to June, 1998 were placed in July, 1998. No impact on past PI's. JWD

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	2.62	0.85	0.10	3.35	7.39
Unplanned unavailable hours	0	0	80.77	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	1370.57	838.08	2208.00	2094.65
Indicator value	**0.5%**	**0.5%**	**0.9%**	**0.9%**	**0.9%**

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
Train 1					
Planned unavailable hours	0	0.27	21.02	0	0.40
Unplanned unavailable hours	0	23.35	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	1664.85	2063.80	2208.00	2208.00
Train 2					
Planned unavailable hours	0	0	2.53	0	0.35
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	1664.85	2063.80	2208.00	2208.00
Indicator value	**0.7%**	**0.5%**	**0.3%**	**0.2%**	**0.1%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

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	0.001710	0.001060	0.000774	N/A	0.000410	0.001690	0.000681	0.000727	0.000454	0.000195	0.000434	0.000238
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.9**	**0.5**	**0.4**	**N/A**	**0.2**	**0.8**	**0.3**	**0.4**	**0.2**	**0.1**	**0.2**	**0.1**

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	2.097	2.023	2.037	N/A	2.000	2.453	2.348	2.390	2.410	2.320	2.443	2.312
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.0**	**6.7**	**6.8**	**N/A**	**6.7**	**8.2**	**7.8**	**8.0**	**8.0**	**7.7**	**8.1**	**7.7**

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	60.0	3.0	44.0	24.0	62.0
Total opportunities	63.0	3.0	45.0	27.0	66.0
Indicator value	**96.9%**	**96.9%**	**96.9%**	**96.2%**	**95.8%**

Licensee Comments:

4Q/00: 12/2000 Data omitted Operations simulator drills. Changed from 8 to 24. JWD 7/12/2001

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	125.0	125.0	125.0	126.0	108.0
Total Key personnel	125.0	127.0	127.0	128.0	110.0
Indicator value	**100.0%**	**98.4%**	**98.4%**	**98.4%**	**98.2%**

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	161	142	141	140	166
Total sirens-tests	168	144	144	144	168
Indicator value	**98.1%**	**97.8%**	**97.4%**	**97.3%**	**98.2%**

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

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
IDS compensatory hours	131.02	27.50	141.89	84.28	130.19
CCTV compensatory hours	30.7	4.1	1.6	0.7	48.4
IDS normalization factor	1.30	1.30	1.30	1.30	1.30
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1
Index Value	**0.033**	**0.026**	**0.024**	**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

Last Modified: March 28, 2002

Cooper

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	0	0	1.0	0
Critical hours	2209.0	1369.4	849.5	2208.0	2092.6	1873.9
Indicator value	**0**	**0**	**0**	**0**	**1.1**	**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/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	1.0	1.0	0	1.0	1.0
Critical hours	2209.0	1369.4	849.5	2208.0	2092.6	1873.9
Indicator value	**2.4**	**2.7**	**3.2**	**2.1**	**3.2**	**3.0**

Licensee Comments:

1Q/01: Feb - Z-Sump Level Switch LCO 3.0.3

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	0	0	0	1.10	18.02	11.20
Unplanned unavailable hours	0	0	0	0	7.95	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	2071.20	2208.00	2208.00	2160.00
Train 2						
Planned unavailable hours	12.75	0	0	0.72	28.05	0
Unplanned unavailable hours	11.43	0	0	0	4.29	45.65
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2184.00	2208.00	2208.00	2160.00
Indicator value	**0.5%**	**0.5%**	**0.4%**	**0.4%**	**0.4%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	0.30	0.13	0.43	1.74	31.48	1.22
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	1370.57	838.08	2208.00	2094.65	1833.20
Indicator value	**0.9%**	**0.8%**	**0.7%**	**0.7%**	**0.8%**	**0.7%**

Licensee Comments:

3Q/98: Discovered that 8 hours of unavailability that should have been credited to June, 1998 were placed in July, 1998. No impact on past PI's. JWD

2Q/98: Discovered that 8 hours of unavailability that should have been credited to June, 1998 were placed in July, 1998. No impact on past PI's. JWD

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	2.62	0.85	0.10	3.35	7.39	0.22
Unplanned unavailable hours	0	0	80.77	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	1370.57	838.08	2208.00	2094.65	1833.20
Indicator value	**0.5%**	**0.5%**	**0.9%**	**0.9%**	**0.9%**	**0.8%**

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
Train 1						
Planned unavailable hours	0	0.27	21.02	0	0.40	1.32
Unplanned unavailable hours	0	23.35	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	1664.85	2063.80	2208.00	2208.00	2080.00
Train 2						
Planned unavailable hours	0	0	2.53	0	0.35	0.88
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	1664.85	2063.80	2208.00	2208.00	2080.00
Indicator value	**0.7%**	**0.5%**	**0.3%**	**0.2%**	**0.1%**	**0.1%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Safety System Functional Failures	1	1	0	0	0	0
Indicator value	**1**	**2**	**2**	**2**	**1**	**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	0.001070	0.001060	0.001140	0.001710	0.001060	0.000774	N/A	0.000410	0.001690	0.000681	0.000727	0.000454
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.5**	**0.5**	**0.6**	**0.9**	**0.5**	**0.4**	**N/A**	**0.2**	**0.8**	**0.3**	**0.4**	**0.2**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000195	0.000434	0.000238	0.000283	0.000329	0.000427
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.2**	**0.1**	**0.1**	**0.2**	**0.2**

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	2.145	2.145	2.058	2.097	2.023	2.037	N/A	2.000	2.453	2.348	2.390	2.410
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.2**	**7.2**	**6.9**	**7.0**	**6.7**	**6.8**	**N/A**	**6.7**	**8.2**	**7.8**	**8.0**	**8.0**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	2.320	2.443	2.312	2.464	2.630	2.626
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.7**	**8.1**	**7.7**	**8.2**	**8.8**	**8.8**

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	60.0	3.0	44.0	24.0	62.0	8.0
Total opportunities	63.0	3.0	45.0	27.0	66.0	8.0
Indicator value	**96.9%**	**96.9%**	**96.9%**	**96.2%**	**95.8%**	**95.3%**

Licensee Comments:

4Q/00: 12/2000 Data omitted Operations simulator drills. Changed from 8 to 24. JWD 7/12/2001

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	125.0	125.0	125.0	126.0	108.0	100.0
Total Key personnel	125.0	127.0	127.0	128.0	110.0	107.0
Indicator value	**100.0%**	**98.4%**	**98.4%**	**98.4%**	**98.2%**	**93.5%**

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	161	142	141	140	166	140
Total sirens-tests	168	144	144	144	168	144
Indicator value	**98.1%**	**97.8%**	**97.4%**	**97.3%**	**98.2%**	**97.8%**

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
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

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	131.02	27.50	141.89	84.28	130.19	150.12
CCTV compensatory hours	30.7	4.1	1.6	0.7	48.4	3.0
IDS normalization factor	1.30	1.30	1.30	1.30	1.30	1.30
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	**0.033**	**0.026**	**0.024**	**0.019**	**0.020**	**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
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

Cooper

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	0	0	1.0	0	0
Critical hours	2209.0	1369.4	849.5	2208.0	2092.6	1873.9	2183.0
Indicator value	**0**	**0**	**0**	**0**	**1.1**	**1.0**	**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/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	1.0	1.0	0	1.0	1.0	1.0
Critical hours	2209.0	1369.4	849.5	2208.0	2092.6	1873.9	2183.0
Indicator value	**2.4**	**2.7**	**3.2**	**2.1**	**3.2**	**3.0**	**2.5**

Licensee Comments:

2Q/01: Startup Transformer Potential Transformer failure/fire caused loss of power to a Reactor Recirc Pump... Downpower to 60%

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	0	0	0	1.10	18.02	11.20	0
Unplanned unavailable hours	0	0	0	0	7.95	0	2.00
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	2071.20	2208.00	2208.00	2160.00	2183.00
Train 2							
Planned unavailable hours	12.75	0	0	0.72	28.05	0	0
Unplanned unavailable hours	11.43	0	0	0	4.29	45.65	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	2184.00	2208.00	2208.00	2160.00	2183.00
Indicator value	**0.5%**	**0.5%**	**0.4%**	**0.4%**	**0.4%**	**0.5%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	0.30	0.13	0.43	1.74	31.48	1.22	0.60
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	1370.57	838.08	2208.00	2094.65	1833.20	2183.00
Indicator value	**0.9%**	**0.8%**	**0.7%**	**0.7%**	**0.8%**	**0.7%**	**0.6%**

Licensee Comments:

3Q/98: Discovered that 8 hours of unavailability that should have been credited to June, 1998 were placed in July, 1998. No impact on past PI's. JWD

2Q/98: Discovered that 8 hours of unavailability that should have been credited to June, 1998 were placed in July, 1998. No impact on past PI's. JWD

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	2.62	0.85	0.10	3.35	7.39	0.22	11.82
Unplanned unavailable hours	0	0	80.77	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	1370.57	838.08	2208.00	2094.65	1833.20	2183.00
Indicator value	**0.5%**	**0.5%**	**0.9%**	**0.9%**	**0.9%**	**0.8%**	**0.9%**

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	0	0.27	21.02	0	0.40	1.32	0
Unplanned unavailable hours	0	23.35	0	0	0	0	2.00
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	1664.85	2063.80	2208.00	2208.00	2080.00	2183.00
Train 2							
Planned unavailable hours	0	0	2.53	0	0.35	0.88	0
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	1664.85	2063.80	2208.00	2208.00	2080.00	2183.00
Indicator value	**0.7%**	**0.5%**	**0.3%**	**0.2%**	**0.1%**	**0.1%**	**0.1%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Safety System Functional Failures	1	1	0	0	0	0	0
Indicator value	**1**	**2**	**2**	**2**	**1**	**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	0.001070	0.001060	0.001140	0.001710	0.001060	0.000774	N/A	0.000410	0.001690	0.000681	0.000727	0.000454
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.5**	**0.5**	**0.6**	**0.9**	**0.5**	**0.4**	**N/A**	**0.2**	**0.8**	**0.3**	**0.4**	**0.2**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	0.000195	0.000434	0.000238	0.000283	0.000329	0.000427	0.000560	0.000209	0.000198
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.2**	**0.1**	**0.1**	**0.2**	**0.2**	**0.3**	**0.1**	**0.1**

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	2.145	2.145	2.058	2.097	2.023	2.037	N/A	2.000	2.453	2.348	2.390	2.410
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.2**	**7.2**	**6.9**	**7.0**	**6.7**	**6.8**	**N/A**	**6.7**	**8.2**	**7.8**	**8.0**	**8.0**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	2.320	2.443	2.312	2.464	2.630	2.626	2.760	2.121	2.146
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.7**	**8.1**	**7.7**	**8.2**	**8.8**	**8.8**	**9.2**	**7.1**	**7.2**

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	60.0	3.0	44.0	24.0	62.0	8.0	32.0
Total opportunities	63.0	3.0	45.0	27.0	66.0	8.0	37.0
Indicator value	**96.9%**	**96.9%**	**96.9%**	**96.2%**	**95.8%**	**95.3%**	**94.0%**

Licensee Comments:

4Q/00: 12/2000 Data omitted Operations simulator drills. Changed from 8 to 24. JWD 7/12/2001

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	125.0	125.0	125.0	126.0	108.0	100.0	102.0
Total Key personnel	125.0	127.0	127.0	128.0	110.0	107.0	106.0
Indicator value	**100.0%**	**98.4%**	**98.4%**	**98.4%**	**98.2%**	**93.5%**	**96.2%**

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	161	142	141	140	166	140	165
Total sirens-tests	168	144	144	144	168	144	168
Indicator value	**98.1%**	**97.8%**	**97.4%**	**97.3%**	**98.2%**	**97.8%**	**97.9%**

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	1
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**	**1**

Licensee Comments:

2Q/01: Discovered accessibility to locked High Rad area. No actual exposure.

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	131.02	27.50	141.89	84.28	130.19	150.12	205.80
CCTV compensatory hours	30.7	4.1	1.6	0.7	48.4	3.0	29.8
IDS normalization factor	1.30	1.30	1.30	1.30	1.30	1.30	1.30
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	**0.033**	**0.026**	**0.024**	**0.019**	**0.020**	**0.025**	**0.029**

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
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

Cooper

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	0	0	1.0	0	0	0
Critical hours	2209.0	1369.4	849.5	2208.0	2092.6	1873.9	2183.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**1.1**	**1.0**	**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/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	1.0	1.0	0	1.0	1.0	1.0	2.0
Critical hours	2209.0	1369.4	849.5	2208.0	2092.6	1873.9	2183.0	2208.0
Indicator value	**2.4**	**2.7**	**3.2**	**2.1**	**3.2**	**3.0**	**2.5**	**4.2**

Licensee Comments:

3Q/01: August - "B" Drywell Fan Coil Unit trip - Power Reduction forced due to high drywell temperatures. September - Lightining strike on 161Kv Startup transformer.

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	0	0	0	1.10	18.02	11.20	0	0
Unplanned unavailable hours	0	0	0	0	7.95	0	2.00	7.86
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	2071.20	2208.00	2208.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	12.75	0	0	0.72	28.05	0	0	20.43
Unplanned unavailable hours	11.43	0	0	0	4.29	45.65	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	2184.00	2208.00	2208.00	2160.00	2183.00	2208.00
Indicator value	**0.5%**	**0.5%**	**0.4%**	**0.4%**	**0.4%**	**0.5%**	**0.4%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	0.30	0.13	0.43	1.74	31.48	1.22	0.60	20.49
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	1370.57	838.08	2208.00	2094.65	1833.20	2183.00	2208.00
Indicator value	**0.9%**	**0.8%**	**0.7%**	**0.7%**	**0.8%**	**0.7%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	2.62	0.85	0.10	3.35	7.39	0.22	11.82	1.18
Unplanned unavailable hours	0	0	80.77	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	1370.57	838.08	2208.00	2094.65	1833.20	2183.00	2208.00
Indicator value	**0.5%**	**0.5%**	**0.9%**	**0.9%**	**0.9%**	**0.8%**	**0.9%**	**0.8%**

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	0	0.27	21.02	0	0.40	1.32	0	33.89
Unplanned unavailable hours	0	23.35	0	0	0	0	2.00	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	1664.85	2063.80	2208.00	2208.00	2080.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0	0	2.53	0	0.35	0.88	0	3.18
Unplanned unavailable hours	0	0	0	0	0	0	0	6.50
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	1664.85	2063.80	2208.00	2208.00	2080.00	2183.00	2208.00
Indicator value	**0.7%**	**0.5%**	**0.3%**	**0.2%**	**0.1%**	**0.1%**	**0.1%**	**0.2%**

Licensee Comments:

3Q/01: August - Unplanned Service Water repair

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Safety System Functional Failures	1	1	0	0	0	0	0	0
Indicator value	**1**	**2**	**2**	**2**	**1**	**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	0.001070	0.001060	0.001140	0.001710	0.001060	0.000774	N/A	0.000410	0.001690	0.000681	0.000727	0.000454
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.5**	**0.5**	**0.6**	**0.9**	**0.5**	**0.4**	**N/A**	**0.2**	**0.8**	**0.3**	**0.4**	**0.2**

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	0.000195	0.000434	0.000238	0.000283	0.000329	0.000427	0.000560	0.000209	0.000198	0.000371	0.000184	0.000201
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.2**	**0.1**	**0.1**	**0.2**	**0.2**	**0.3**	**0.1**	**0.1**	**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	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	2.145	2.145	2.058	2.097	2.023	2.037	N/A	2.000	2.453	2.348	2.390	2.410
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.2**	**7.2**	**6.9**	**7.0**	**6.7**	**6.8**	**N/A**	**6.7**	**8.2**	**7.8**	**8.0**	**8.0**

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	2.320	2.443	2.312	2.464	2.630	2.626	2.760	2.121	2.146	2.340	2.400	2.410
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.7**	**8.1**	**7.7**	**8.2**	**8.8**	**8.8**	**9.2**	**7.1**	**7.2**	**7.8**	**8.0**	**8.0**

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	60.0	3.0	44.0	24.0	62.0	8.0	32.0	18.0
Total opportunities	63.0	3.0	45.0	27.0	66.0	8.0	37.0	21.0
Indicator value	**96.9%**	**96.9%**	**96.9%**	**96.2%**	**95.8%**	**95.3%**	**94.0%**	**93.0%**

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	125.0	125.0	125.0	126.0	108.0	100.0	102.0	98.0
Total Key personnel	125.0	127.0	127.0	128.0	110.0	107.0	106.0	104.0
Indicator value	**100.0%**	**98.4%**	**98.4%**	**98.4%**	**98.2%**	**93.5%**	**96.2%**	**94.2%**

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	161	142	141	140	166	140	165	141
Total sirens-tests	168	144	144	144	168	144	168	144
Indicator value	**98.1%**	**97.8%**	**97.4%**	**97.3%**	**98.2%**	**97.8%**	**97.9%**	**98.1%**

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	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/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

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	131.02	27.50	141.89	84.28	130.19	150.12	205.80	218.81
CCTV compensatory hours	30.7	4.1	1.6	0.7	48.4	3.0	29.8	2.3
IDS normalization factor	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	**0.033**	**0.026**	**0.024**	**0.019**	**0.020**	**0.025**	**0.029**	**0.035**

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

Cooper

4Q/2001 Performance Indicators

Licensee's General Comments: Corrected blank in Leak Rate for December, 2001 to NA. Plant was in refueling outage

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	0	0	1.0	0	0	0	0
Critical hours	1369.4	849.5	2208.0	2092.6	1873.9	2183.0	2208.0	863.3
Indicator value	**0**	**0**	**0**	**1.1**	**1.0**	**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/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	1.0	1.0	0	1.0	1.0	1.0	2.0	0
Critical hours	1369.4	849.5	2208.0	2092.6	1873.9	2183.0	2208.0	863.3
Indicator value	**2.7**	**3.2**	**2.1**	**3.2**	**3.0**	**2.5**	**4.2**	**3.9**

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/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	0	0	1.10	18.02	11.20	0	0	23.58
Unplanned unavailable hours	0	0	0	7.95	0	2.00	7.86	6.31
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	2071.20	2208.00	2208.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0	0	0.72	28.05	0	0	20.43	0
Unplanned unavailable hours	0	0	0	4.29	45.65	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	2184.00	2208.00	2208.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.5%**	**0.4%**	**0.4%**	**0.4%**	**0.5%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	0.13	0.43	1.74	31.48	1.22	0.60	20.49	0.56
Unplanned unavailable hours	0	0	0	0	0	0	0	7.30
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1370.57	838.08	2208.00	2094.65	1833.20	2183.00	2208.00	834.38
Indicator value	**0.8%**	**0.7%**	**0.7%**	**0.8%**	**0.7%**	**0.6%**	**0.6%**	**0.4%**

Licensee Comments:

4Q/01: Refueling Outage in November, December

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	0.85	0.10	3.35	7.39	0.22	11.82	1.18	12.62
Unplanned unavailable hours	0	80.77	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	1370.57	838.08	2208.00	2094.65	1833.20	2183.00	2208.00	834.38
Indicator value	**0.5%**	**0.9%**	**0.9%**	**0.9%**	**0.8%**	**0.9%**	**0.8%**	**0.7%**

Licensee Comments:

4Q/01: Planned Maintenance

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	0.27	21.02	0	0.40	1.32	0	33.89	10.28
Unplanned unavailable hours	23.35	0	0	0	0	2.00	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	1664.85	2063.80	2208.00	2208.00	2080.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0	2.53	0	0.35	0.88	0	3.18	90.10
Unplanned unavailable hours	0	0	0	0	0	0	6.50	35.38
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1664.85	2063.80	2208.00	2208.00	2080.00	2183.00	2208.00	2209.00
Indicator value	**0.5%**	**0.3%**	**0.2%**	**0.1%**	**0.1%**	**0.1%**	**0.2%**	**0.5%**

Licensee Comments:

4Q/01: October -Clean SW side of Heat Exchanger ReFueling Maintenance

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments:

4Q/01: LER 2001-004 LER 2001-005, 2001-006

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	0.001710	0.001060	0.000774	N/A	0.000410	0.001690	0.000681	0.000727	0.000454	0.000195	0.000434	0.000238
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.9**	**0.5**	**0.4**	**N/A**	**0.2**	**0.8**	**0.3**	**0.4**	**0.2**	**0.1**	**0.2**	**0.1**

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	0.000283	0.000329	0.000427	0.000560	0.000209	0.000198	0.000371	0.000184	0.000201	0.000037	0.000028	0.000018
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.2**	**0.2**	**0.3**	**0.1**	**0.1**	**0.2**	**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	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	2.097	2.023	2.037	N/A	2.000	2.453	2.348	2.390	2.410	2.320	2.443	2.312
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.0**	**6.7**	**6.8**	**N/A**	**6.7**	**8.2**	**7.8**	**8.0**	**8.0**	**7.7**	**8.1**	**7.7**

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	2.464	2.630	2.626	2.760	2.121	2.146	2.340	2.400	2.410	2.400	2.360	N/A
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**8.2**	**8.8**	**8.8**	**9.2**	**7.1**	**7.2**	**7.8**	**8.0**	**8.0**	**8.0**	**7.9**	**N/A**

Licensee Comments:

12/01: Refueling Shutdown in December

12/01: Refueling Shutdown in December

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	3.0	44.0	24.0	62.0	8.0	32.0	18.0	11.0
Total opportunities	3.0	45.0	27.0	66.0	8.0	37.0	21.0	11.0
Indicator value	**96.9%**	**96.9%**	**96.2%**	**95.8%**	**95.3%**	**94.0%**	**93.0%**	**92.7%**

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	125.0	125.0	126.0	108.0	100.0	102.0	98.0	84.0
Total Key personnel	127.0	127.0	128.0	110.0	107.0	106.0	104.0	93.0
Indicator value	**98.4%**	**98.4%**	**98.4%**	**98.2%**	**93.5%**	**96.2%**	**94.2%**	**90.3%**

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	142	141	140	166	140	165	141	164
Total sirens-tests	144	144	144	168	144	168	144	168
Indicator value	**97.8%**	**97.4%**	**97.3%**	**98.2%**	**97.8%**	**97.9%**	**98.1%**	**97.8%**

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	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

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	27.50	141.89	84.28	130.19	150.12	205.80	218.81	35.68
CCTV compensatory hours	4.1	1.6	0.7	48.4	3.0	29.8	2.3	0
IDS normalization factor	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	**0.026**	**0.024**	**0.019**	**0.020**	**0.025**	**0.029**	**0.035**	**0.029**

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

Cooper

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	0	0	1.0	0	0	0	0	0
Critical hours	849.5	2208.0	2092.6	1873.9	2183.0	2208.0	863.3	2160.0
Indicator value	**0**	**0**	**1.1**	**1.0**	**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/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	0	1.0	1.0	1.0	2.0	0	2.0
Critical hours	849.5	2208.0	2092.6	1873.9	2183.0	2208.0	863.3	2160.0
Indicator value	**3.2**	**2.1**	**3.2**	**3.0**	**2.5**	**4.2**	**3.9**	**4.7**

Licensee Comments:

1Q/02: January - "B" Feedpump Turbine/ Turbine Control Problem

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	0	1.10	18.02	11.20	0	0	23.58	37.48
Unplanned unavailable hours	0	0	7.95	0	2.00	7.86	6.31	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	2071.20	2208.00	2208.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0	0.72	28.05	0	0	20.43	0	25.65
Unplanned unavailable hours	0	0	4.29	45.65	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	2208.00	2208.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.5%**	**0.4%**	**0.4%**	**0.4%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	0.43	1.74	31.48	1.22	0.60	20.49	0.56	9.21
Unplanned unavailable hours	0	0	0	0	0	0	7.30	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	838.08	2208.00	2094.65	1833.20	2183.00	2208.00	834.38	2160.00
Indicator value	**0.7%**	**0.7%**	**0.8%**	**0.7%**	**0.6%**	**0.6%**	**0.4%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	0.10	3.35	7.39	0.22	11.82	1.18	12.62	5.19
Unplanned unavailable hours	80.77	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	838.08	2208.00	2094.65	1833.20	2183.00	2208.00	834.38	2160.00
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.8%**	**0.9%**	**0.8%**	**0.7%**	**0.7%**

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	21.02	0	0.40	1.32	0	33.89	10.28	0
Unplanned unavailable hours	0	0	0	0	2.00	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	2063.80	2208.00	2208.00	2080.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	2.53	0	0.35	0.88	0	3.18	90.10	10.87
Unplanned unavailable hours	0	0	0	0	0	6.50	35.38	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	2063.80	2208.00	2208.00	2080.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.3%**	**0.2%**	**0.1%**	**0.1%**	**0.1%**	**0.2%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	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	3	0
Indicator value	**2**	**2**	**1**	**0**	**0**	**0**	**3**	**3**

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	N/A	0.000410	0.001690	0.000681	0.000727	0.000454	0.000195	0.000434	0.000238	0.000283	0.000329	0.000427
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**0.2**	**0.8**	**0.3**	**0.4**	**0.2**	**0.1**	**0.2**	**0.1**	**0.1**	**0.2**	**0.2**

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	0.000560	0.000209	0.000198	0.000371	0.000184	0.000201	0.000037	0.000028	0.000018	0.000081	0.000069	0.000011
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.3**	**0.1**	**0.1**	**0.2**	**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	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	N/A	2.000	2.453	2.348	2.390	2.410	2.320	2.443	2.312	2.464	2.630	2.626
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**N/A**	**6.7**	**8.2**	**7.8**	**8.0**	**8.0**	**7.7**	**8.1**	**7.7**	**8.2**	**8.8**	**8.8**

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	2.760	2.121	2.146	2.340	2.400	2.410	2.400	2.360	N/A	2.100	2.070	2.010
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**9.2**	**7.1**	**7.2**	**7.8**	**8.0**	**8.0**	**8.0**	**7.9**	**N/A**	**7.0**	**6.9**	**6.7**

Licensee Comments:

12/01: Refueling Shutdown in December

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	44.0	24.0	62.0	8.0	32.0	18.0	11.0	46.0
Total opportunities	45.0	27.0	66.0	8.0	37.0	21.0	11.0	50.0
Indicator value	**96.9%**	**96.2%**	**95.8%**	**95.3%**	**94.0%**	**93.0%**	**92.7%**	**92.5%**

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	125.0	126.0	108.0	100.0	102.0	98.0	84.0	85.0
Total Key personnel	127.0	128.0	110.0	107.0	106.0	104.0	93.0	91.0
Indicator value	**98.4%**	**98.4%**	**98.2%**	**93.5%**	**96.2%**	**94.2%**	**90.3%**	**93.4%**

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	141	140	166	140	165	141	164	143
Total sirens-tests	144	144	168	144	168	144	168	144
Indicator value	**97.4%**	**97.3%**	**98.2%**	**97.8%**	**97.9%**	**98.1%**	**97.8%**	**98.2%**

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	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/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	141.89	84.28	130.19	150.12	205.80	218.81	35.68	78.53
CCTV compensatory hours	1.6	0.7	48.4	3.0	29.8	2.3	0	19.5
IDS normalization factor	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	**0.024**	**0.019**	**0.020**	**0.025**	**0.029**	**0.035**	**0.029**	**0.026**

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

Cooper

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	0	1.0	0	0	0	0	0	0
Critical hours	2208.0	2092.6	1873.9	2183.0	2208.0	863.3	2160.0	2057.0
Indicator value	**0**	**1.1**	**1.0**	**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/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	0	1.0	1.0	1.0	2.0	0	2.0	2.0
Critical hours	2208.0	2092.6	1873.9	2183.0	2208.0	863.3	2160.0	2057.0
Indicator value	**2.1**	**3.2**	**3.0**	**2.5**	**4.2**	**3.9**	**4.7**	**5.8**

Licensee Comments:

2Q/02: May - Arcing on Main Generator, Indicated Hi vibration on "A" FdPmp Turbine

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	1.10	18.02	11.20	0	0	23.58	37.48	10.52
Unplanned unavailable hours	0	7.95	0	2.00	7.86	6.31	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	2208.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	0.72	28.05	0	0	20.43	0	25.65	66.87
Unplanned unavailable hours	0	4.29	45.65	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	2208.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.4%**	**0.4%**	**0.5%**	**0.4%**	**0.4%**	**0.4%**	**0.5%**	**0.7%**

Licensee Comments:

2Q/02: June - Planned Maintenance

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	1.74	31.48	1.22	0.60	20.49	0.56	9.21	39.21
Unplanned unavailable hours	0	0	0	0	0	7.30	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	2208.00	2094.65	1833.20	2183.00	2208.00	834.38	2160.00	2054.23
Indicator value	**0.7%**	**0.8%**	**0.7%**	**0.6%**	**0.6%**	**0.4%**	**0.4%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	3.35	7.39	0.22	11.82	1.18	12.62	5.19	19.01
Unplanned unavailable hours	0	0	0	0	0	0	0	3.52
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	2094.65	1833.20	2183.00	2208.00	834.38	2160.00	2054.23
Indicator value	**0.9%**	**0.9%**	**0.8%**	**0.9%**	**0.8%**	**0.7%**	**0.7%**	**0.8%**

Licensee Comments:

2Q/02: RCIC T/2 Fault Exposure, 1618.6 hours.

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/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	0	0.40	1.32	0	33.89	10.28	0	0
Unplanned unavailable hours	0	0	0	2.00	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	2208.00	2080.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	0	0.35	0.88	0	3.18	90.10	10.87	3.93
Unplanned unavailable hours	0	0	0	0	6.50	35.38	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	2208.00	2080.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.2%**	**0.1%**	**0.1%**	**0.1%**	**0.2%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	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	3	0	0
Indicator value	**2**	**1**	**0**	**0**	**0**	**3**	**3**	**3**

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	0.000681	0.000727	0.000454	0.000195	0.000434	0.000238	0.000283	0.000329	0.000427	0.000560	0.000209	0.000198
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.3**	**0.4**	**0.2**	**0.1**	**0.2**	**0.1**	**0.1**	**0.2**	**0.2**	**0.3**	**0.1**	**0.1**

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	0.000371	0.000184	0.000201	0.000037	0.000028	0.000018	0.000081	0.000069	0.000011	0.000013	0.000029	0.000028
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.2**	**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	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	2.348	2.390	2.410	2.320	2.443	2.312	2.464	2.630	2.626	2.760	2.121	2.146
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.8**	**8.0**	**8.0**	**7.7**	**8.1**	**7.7**	**8.2**	**8.8**	**8.8**	**9.2**	**7.1**	**7.2**

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	2.340	2.400	2.410	2.400	2.360	N/A	2.100	2.070	2.010	2.020	2.030	2.680
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.8**	**8.0**	**8.0**	**8.0**	**7.9**	**N/A**	**7.0**	**6.9**	**6.7**	**6.7**	**6.8**	**8.9**

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	24.0	62.0	8.0	32.0	18.0	11.0	46.0	46.0
Total opportunities	27.0	66.0	8.0	37.0	21.0	11.0	50.0	48.0
Indicator value	**96.2%**	**95.8%**	**95.3%**	**94.0%**	**93.0%**	**92.7%**	**92.5%**	**92.2%**

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	126.0	108.0	100.0	102.0	98.0	84.0	85.0	95.0
Total Key personnel	128.0	110.0	107.0	106.0	104.0	93.0	91.0	100.0
Indicator value	**98.4%**	**98.2%**	**93.5%**	**96.2%**	**94.2%**	**90.3%**	**93.4%**	**95.0%**

Licensee Comments: none

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	140	166	140	165	141	164	143	144
Total sirens-tests	144	168	144	168	144	168	144	144
Indicator value	**97.3%**	**98.2%**	**97.8%**	**97.9%**	**98.1%**	**97.8%**	**98.2%**	**98.7%**

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	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

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	84.28	130.19	150.12	205.80	218.81	35.68	78.53	25.13
CCTV compensatory hours	0.7	48.4	3.0	29.8	2.3	0	19.5	0.7
IDS normalization factor	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	**0.019**	**0.020**	**0.025**	**0.029**	**0.035**	**0.029**	**0.026**	**0.017**

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	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 31, 2002

Cooper

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	1.0	0	0	0	0	0	0	0
Critical hours	2092.6	1873.9	2183.0	2208.0	863.3	2160.0	2057.0	2208.0
Indicator value	**1.1**	**1.0**	**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/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	1.0	1.0	2.0	0	2.0	2.0	0
Critical hours	2092.6	1873.9	2183.0	2208.0	863.3	2160.0	2057.0	2208.0
Indicator value	**3.2**	**3.0**	**2.5**	**4.2**	**3.9**	**4.7**	**5.8**	**3.8**

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/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	18.02	11.20	0	0	23.58	37.48	10.52	0
Unplanned unavailable hours	7.95	0	2.00	7.86	6.31	0	0	6.27
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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	28.05	0	0	20.43	0	25.65	66.87	25.70
Unplanned unavailable hours	4.29	45.65	0	0	0	0	0	16.45
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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.4%**	**0.5%**	**0.4%**	**0.4%**	**0.4%**	**0.5%**	**0.7%**	**0.7%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	**4Q/00**	**1Q/01**	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**
Train 1								
Planned unavailable hours	31.48	1.22	0.60	20.49	0.56	9.21	39.21	20.14
Unplanned unavailable hours	0	0	0	0	7.30	0	0	32.12
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2094.65	1833.20	2183.00	2208.00	834.38	2160.00	2054.23	2208.00
Indicator value	**0.8%**	**0.7%**	**0.6%**	**0.6%**	**0.4%**	**0.4%**	**0.5%**	**0.7%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	7.39	0.22	11.82	1.18	12.62	5.19	19.01	86.56
Unplanned unavailable hours	0	0	0	0	0	0	3.52	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	2094.65	1833.20	2183.00	2208.00	834.38	2160.00	2054.23	2208.00
Indicator value	**0.9%**	**0.8%**	**0.9%**	**0.8%**	**0.7%**	**0.7%**	**0.8%**	**1.1%**

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	0.40	1.32	0	33.89	10.28	0	0	79.95
Unplanned unavailable hours	0	0	2.00	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	2080.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0.35	0.88	0	3.18	90.10	10.87	3.93	55.24
Unplanned unavailable hours	0	0	0	6.50	35.38	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	2080.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.1%**	**0.1%**	**0.1%**	**0.2%**	**0.5%**	**0.5%**	**0.5%**	**0.7%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

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	0.000195	0.000434	0.000238	0.000283	0.000329	0.000427	0.000560	0.000209	0.000198	0.000371	0.000184	0.000201
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.2**	**0.1**	**0.1**	**0.2**	**0.2**	**0.3**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**

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	0.000037	0.000028	0.000018	0.000081	0.000069	0.000011	0.000013	0.000029	0.000028	0.000025	0.000035	0.000012
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	2.320	2.443	2.312	2.464	2.630	2.626	2.760	2.121	2.146	2.340	2.400	2.410
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.7**	**8.1**	**7.7**	**8.2**	**8.8**	**8.8**	**9.2**	**7.1**	**7.2**	**7.8**	**8.0**	**8.0**

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	2.400	2.360	N/A	2.100	2.070	2.010	2.020	2.030	2.680	2.030	2.140	2.090
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**8.0**	**7.9**	**N/A**	**7.0**	**6.9**	**6.7**	**6.7**	**6.8**	**8.9**	**6.8**	**7.1**	**7.0**

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	62.0	8.0	32.0	18.0	11.0	46.0	46.0	17.0
Total opportunities	66.0	8.0	37.0	21.0	11.0	50.0	48.0	18.0
Indicator value	**95.8%**	**95.3%**	**94.0%**	**93.0%**	**92.7%**	**92.5%**	**92.2%**	**92.7%**

Licensee Comments: none

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	108.0	100.0	102.0	98.0	84.0	85.0	95.0	86.0
Total Key personnel	110.0	107.0	106.0	104.0	93.0	91.0	100.0	96.0
Indicator value	**98.2%**	**93.5%**	**96.2%**	**94.2%**	**90.3%**	**93.4%**	**95.0%**	**89.6%**

Licensee Comments: none

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	166	140	165	141	164	143	144	141
Total sirens-tests	168	144	168	144	168	144	144	144
Indicator value	**98.2%**	**97.8%**	**97.9%**	**98.1%**	**97.8%**	**98.2%**	**98.7%**	**98.7%**

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	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/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	130.19	150.12	205.80	218.81	35.68	78.53	25.13	19.00
CCTV compensatory hours	48.4	3.0	29.8	2.3	0	19.5	0.7	113.2
IDS normalization factor	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	**0.020**	**0.025**	**0.029**	**0.035**	**0.029**	**0.026**	**0.017**	**0.014**

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

FFD/Personnel Reliability

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	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, 2002

Cooper

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	0	0	0	0	0	0	0
Critical hours	1873.9	2183.0	2208.0	863.3	2160.0	2057.0	2208.0	2209.0
Indicator value	**1.0**	**0.8**	**0.8**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

4Q/02: October 2002 - Daylight Savings

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	1.0	1.0	2.0	0	2.0	2.0	0	1.0
Critical hours	1873.9	2183.0	2208.0	863.3	2160.0	2057.0	2208.0	2209.0
Indicator value	**3.0**	**2.5**	**4.2**	**3.9**	**4.7**	**5.8**	**3.8**	**4.1**

Licensee Comments:

4Q/02: October 2002 - Daylight Savings, Circuit 6 of EE-PNL-CCP1B De-energized.

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	11.20	0	0	23.58	37.48	10.52	0	14.75
Unplanned unavailable hours	0	2.00	7.86	6.31	0	0	6.27	4.62
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	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0	0	20.43	0	25.65	66.87	25.70	15.80
Unplanned unavailable hours	45.65	0	0	0	0	0	16.45	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	**0.5%**	**0.4%**	**0.4%**	**0.4%**	**0.5%**	**0.7%**	**0.7%**	**0.8%**

Licensee Comments:

4Q/02: October 2002 - Daylight Savings

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	1.22	0.60	20.49	0.56	9.21	39.21	20.14	36.90
Unplanned unavailable hours	0	0	0	7.30	0	0	32.12	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	1833.20	2183.00	2208.00	834.38	2160.00	2054.23	2208.00	2209.00
Indicator value	**0.7%**	**0.6%**	**0.6%**	**0.4%**	**0.4%**	**0.5%**	**0.7%**	**0.9%**

Licensee Comments:

4Q/02: October 2002 - Daylight Savings

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	0.22	11.82	1.18	12.62	5.19	19.01	86.56	6.16
Unplanned unavailable hours	0	0	0	0	0	3.52	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	1833.20	2183.00	2208.00	834.38	2160.00	2054.23	2208.00	2209.00
Indicator value	**0.8%**	**0.9%**	**0.8%**	**0.7%**	**0.7%**	**0.8%**	**1.1%**	**1.1%**

Licensee Comments:

4Q/02: October 2002 - Daylight Savings

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	1.32	0	33.89	10.28	0	0	79.95	0
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	2080.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0.88	0	3.18	90.10	10.87	3.93	55.24	12.65
Unplanned unavailable hours	0	0	6.50	35.38	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	2080.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.1%**	**0.1%**	**0.2%**	**0.5%**	**0.5%**	**0.5%**	**0.7%**	**0.8%**

Licensee Comments:

4Q/02: October 2002 - Daylight Savings

Thresholds: White > 6.0

Notes

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

Licensee Comments:

4Q/02: November 2002 - LER 2002-001

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	0.000283	0.000329	0.000427	0.000560	0.000209	0.000198	0.000371	0.000184	0.000201	0.000037	0.000028	0.000018
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.2**	**0.2**	**0.3**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0**	**0**	**0**

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	0.000081	0.000069	0.000011	0.000013	0.000029	0.000028	0.000025	0.000035	0.000012	0.000027	0.000016	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum leakage	2.464	2.630	2.626	2.760	2.121	2.146	2.340	2.400	2.410	2.400	2.360	N/A
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**8.2**	**8.8**	**8.8**	**9.2**	**7.1**	**7.2**	**7.8**	**8.0**	**8.0**	**8.0**	**7.9**	**N/A**

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	2.100	2.070	2.010	2.020	2.030	2.680	2.030	2.140	2.090	2.070	2.030	2.020
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.0**	**6.9**	**6.7**	**6.7**	**6.8**	**8.9**	**6.8**	**7.1**	**7.0**	**6.9**	**6.8**	**6.7**

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	32.0	18.0	11.0	46.0	46.0	17.0	89.0
Total opportunities	8.0	37.0	21.0	11.0	50.0	48.0	18.0	92.0
Indicator value	**95.3%**	**94.0%**	**93.0%**	**92.7%**	**92.5%**	**92.2%**	**92.7%**	**93.7%**

Licensee Comments: none

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	100.0	102.0	98.0	84.0	85.0	95.0	86.0	98.0
Total Key personnel	107.0	106.0	104.0	93.0	91.0	100.0	96.0	99.0
Indicator value	**93.5%**	**96.2%**	**94.2%**	**90.3%**	**93.4%**	**95.0%**	**89.6%**	**99.0%**

Licensee Comments: none

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	140	165	141	164	143	144	141	165
Total sirens-tests	144	168	144	168	144	144	144	168
Indicator value	**97.8%**	**97.9%**	**98.1%**	**97.8%**	**98.2%**	**98.7%**	**98.7%**	**98.8%**

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	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/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	150.12	205.80	218.81	35.68	78.53	25.13	19.00	41.18
CCTV compensatory hours	3.0	29.8	2.3	0	19.5	0.7	113.2	0.4
IDS normalization factor	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	**0.025**	**0.029**	**0.035**	**0.029**	**0.026**	**0.017**	**0.014**	**0.014**

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	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 30, 2003

Cooper

1Q/2003 Performance Indicators

Licensee's General Comments: Refueling Outage RE21 in March

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	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	863.3	2160.0	2057.0	2208.0	2209.0	1296.0
Indicator value	**0.8**	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

1Q/03: Refueling Outage RE21

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	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/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned power changes	1.0	2.0	0	2.0	2.0	0	1.0	1.0
Critical hours	2183.0	2208.0	863.3	2160.0	2057.0	2208.0	2209.0	1296.0
Indicator value	**2.5**	**4.2**	**3.9**	**4.7**	**5.8**	**3.8**	**4.1**	**3.6**

Licensee Comments:

1Q/03: Feedwater Heater valve leak Forced Outage (Feb,2003) Refueling Outage RE21

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	0	0	23.58	37.48	10.52	0	14.75	0
Unplanned unavailable hours	2.00	7.86	6.31	0	0	6.27	4.62	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	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0	20.43	0	25.65	66.87	25.70	15.80	0
Unplanned unavailable hours	0	0	0	0	0	16.45	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	**0.4%**	**0.4%**	**0.4%**	**0.5%**	**0.7%**	**0.7%**	**0.8%**	**0.8%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**
Train 1								
Planned unavailable hours	0.60	20.49	0.56	9.21	39.21	20.14	36.90	1.22
Unplanned unavailable hours	0	0	7.30	0	0	32.12	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	834.38	2160.00	2054.23	2208.00	2209.00	1299.40
Indicator value	**0.6%**	**0.6%**	**0.4%**	**0.4%**	**0.5%**	**0.7%**	**0.9%**	**0.9%**

Licensee Comments:

1Q/03: Refueling Outage RE21

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	11.82	1.18	12.62	5.19	19.01	86.56	6.16	1.35
Unplanned unavailable hours	0	0	0	0	3.52	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	834.38	2160.00	2054.23	2208.00	2209.00	1299.40
Indicator value	**0.9%**	**0.8%**	**0.7%**	**0.7%**	**0.8%**	**1.1%**	**1.1%**	**1.1%**

Licensee Comments:

1Q/03: Refueling Outage RE21

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	0	33.89	10.28	0	0	79.95	0	21.42
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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0	3.18	90.10	10.87	3.93	55.24	12.65	50.50
Unplanned unavailable hours	0	6.50	35.38	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	2160.00
Indicator value	**0.1%**	**0.2%**	**0.5%**	**0.5%**	**0.5%**	**0.7%**	**0.8%**	**0.8%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

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	0.000560	0.000209	0.000198	0.000371	0.000184	0.000201	0.000037	0.000028	0.000018	0.000081	0.000069	0.000011
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.3**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**

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	0.000013	0.000029	0.000028	0.000025	0.000035	0.000012	0.000027	0.000016	0.000010	0.000050	0.000021	N/A
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**

Licensee Comments:

3/03: Refueling Outage RE21

3/03: Refueling Outage RE21

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	2.760	2.121	2.146	2.340	2.400	2.410	2.400	2.360	N/A	2.100	2.070	2.010
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**9.2**	**7.1**	**7.2**	**7.8**	**8.0**	**8.0**	**8.0**	**7.9**	**N/A**	**7.0**	**6.9**	**6.7**

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	2.020	2.030	2.680	2.030	2.140	2.090	2.070	2.030	2.020	2.130	2.252	N/A
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.7**	**6.8**	**8.9**	**6.8**	**7.1**	**7.0**	**6.9**	**6.8**	**6.7**	**7.1**	**7.5**	**N/A**

Licensee Comments:

3/03: Refueling Outage RE21

3/03: Refueling Outage RE21

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	32.0	18.0	11.0	46.0	46.0	17.0	89.0	3.0
Total opportunities	37.0	21.0	11.0	50.0	48.0	18.0	92.0	3.0
Indicator value	**94.0%**	**93.0%**	**92.7%**	**92.5%**	**92.2%**	**92.7%**	**93.7%**	**93.6%**

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	102.0	98.0	84.0	85.0	95.0	86.0	98.0	96.0
Total Key personnel	106.0	104.0	93.0	91.0	100.0	96.0	99.0	98.0
Indicator value	**96.2%**	**94.2%**	**90.3%**	**93.4%**	**95.0%**	**89.6%**	**99.0%**	**98.0%**

Licensee Comments: none

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	165	141	164	143	144	141	165	143
Total sirens-tests	168	144	168	144	144	144	168	144
Indicator value	**97.9%**	**98.1%**	**97.8%**	**98.2%**	**98.7%**	**98.7%**	**98.8%**	**98.8%**

Licensee Comments: none

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	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

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	205.80	218.81	35.68	78.53	25.13	19.00	41.18	67.75
CCTV compensatory hours	29.8	2.3	0	19.5	0.7	113.2	0.4	64.8
IDS normalization factor	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	**0.029**	**0.035**	**0.029**	**0.026**	**0.017**	**0.014**	**0.014**	**0.016**

Licensee Comments: none

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

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: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: April 30, 2003

Cooper

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	0	0	0	0	0	0	1.0
Critical hours	2208.0	863.3	2160.0	2057.0	2208.0	2209.0	1296.0	988.6
Indicator value	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**	**1.0**

Licensee Comments:

2Q/03: May - Main Condensor Vacuum transient required manual scram

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	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/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned power changes	2.0	0	2.0	2.0	0	1.0	1.0	2.0
Critical hours	2208.0	863.3	2160.0	2057.0	2208.0	2209.0	1296.0	988.6
Indicator value	**4.2**	**3.9**	**4.7**	**5.8**	**3.8**	**4.1**	**3.6**	**4.2**

Licensee Comments:

2Q/03: April - Main Condenser Vacuum/AOG/SJAE May - Main Condenser Vacuum Transient

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	0	23.58	37.48	10.52	0	14.75	0	14.72
Unplanned unavailable hours	7.86	6.31	0	0	6.27	4.62	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	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	20.43	0	25.65	66.87	25.70	15.80	0	6.07
Unplanned unavailable hours	0	0	0	0	16.45	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	**0.4%**	**0.4%**	**0.5%**	**0.7%**	**0.7%**	**0.8%**	**0.8%**	**0.8%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**
Train 1								
Planned unavailable hours	20.49	0.56	9.21	39.21	20.14	36.90	1.22	12.82
Unplanned unavailable hours	0	7.30	0	0	32.12	0	0	2.13
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	834.38	2160.00	2054.23	2208.00	2209.00	1299.40	941.33
Indicator value	**0.6%**	**0.4%**	**0.4%**	**0.5%**	**0.7%**	**0.9%**	**0.9%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	1.18	12.62	5.19	19.01	86.56	6.16	1.35	2.45
Unplanned unavailable hours	0	0	0	3.52	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	834.38	2160.00	2054.23	2208.00	2209.00	1299.40	941.33
Indicator value	**0.8%**	**0.7%**	**0.7%**	**0.8%**	**1.1%**	**1.1%**	**1.1%**	**0.7%**

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	33.89	10.28	0	0	79.95	0	21.42	26.82
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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	3.18	90.10	10.87	3.93	55.24	12.65	50.50	15.58
Unplanned unavailable hours	6.50	35.38	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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.2%**	**0.5%**	**0.5%**	**0.5%**	**0.7%**	**0.8%**	**0.8%**	**0.9%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

Licensee Comments:

2Q/03: April - LER 2003-001 Inadequate communication results in both DG

Reactor Coolant System Activity

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	0.000371	0.000184	0.000201	0.000037	0.000028	0.000018	0.000081	0.000069	0.000011	0.000013	0.000029	0.000028
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.2**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0.000025	0.000035	0.000012	0.000027	0.000016	0.000010	0.000050	0.000021	N/A	0.000023	0.000042	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**

Licensee Comments:

3/03: Refueling Outage RE21

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	2.340	2.400	2.410	2.400	2.360	N/A	2.100	2.070	2.010	2.020	2.030	2.680
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.8**	**8.0**	**8.0**	**8.0**	**7.9**	**N/A**	**7.0**	**6.9**	**6.7**	**6.7**	**6.8**	**8.9**

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	2.030	2.140	2.090	2.070	2.030	2.020	2.130	2.252	N/A	2.030	2.030	0
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.8**	**7.1**	**7.0**	**6.9**	**6.8**	**6.7**	**7.1**	**7.5**	**N/A**	**6.8**	**6.8**	**0**

Licensee Comments:

6/03: Shutdown in June

3/03: Refueling Outage RE21

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	18.0	11.0	46.0	46.0	17.0	89.0	3.0	2.0
Total opportunities	21.0	11.0	50.0	48.0	18.0	92.0	3.0	2.0
Indicator value	**93.0%**	**92.7%**	**92.5%**	**92.2%**	**92.7%**	**93.7%**	**93.6%**	**94.7%**

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	98.0	84.0	85.0	95.0	86.0	98.0	96.0	95.0
Total Key personnel	104.0	93.0	91.0	100.0	96.0	99.0	98.0	99.0
Indicator value	**94.2%**	**90.3%**	**93.4%**	**95.0%**	**89.6%**	**99.0%**	**98.0%**	**96.0%**

Licensee Comments: none

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	141	164	143	144	141	165	143	144
Total sirens-tests	144	168	144	144	144	168	144	144
Indicator value	**98.1%**	**97.8%**	**98.2%**	**98.7%**	**98.7%**	**98.8%**	**98.8%**	**98.8%**

Licensee Comments: none

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	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

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	218.81	35.68	78.53	25.13	19.00	41.18	67.75	83.24
CCTV compensatory hours	2.3	0	19.5	0.7	113.2	0.4	64.8	0
IDS normalization factor	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	**0.035**	**0.029**	**0.026**	**0.017**	**0.014**	**0.014**	**0.016**	**0.019**

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

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

Cooper

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	0	0	0	0	0	0	1.0	0
Critical hours	863.3	2160.0	2057.0	2208.0	2209.0	1296.0	988.6	2208.0
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	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
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/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned power changes	0	2.0	2.0	0	1.0	1.0	2.0	1.0
Critical hours	863.3	2160.0	2057.0	2208.0	2209.0	1296.0	988.6	2208.0
Indicator value	**3.9**	**4.7**	**5.8**	**3.8**	**4.1**	**3.6**	**4.2**	**5.2**

Licensee Comments:

3Q/03: Main Turbine Trip Instrumentation: Failure of the Reactor Water Level High Level trip was due to the sticking of the Main Turbine Block Assembly.

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	23.58	37.48	10.52	0	14.75	0	14.72	16.12
Unplanned unavailable hours	6.31	0	0	6.27	4.62	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	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0	25.65	66.87	25.70	15.80	0	6.07	4.25
Unplanned unavailable hours	0	0	0	16.45	0	0	0	9.53
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	**0.4%**	**0.5%**	**0.7%**	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**
Train 1								
Planned unavailable hours	0.56	9.21	39.21	20.14	36.90	1.22	12.82	18.48
Unplanned unavailable hours	7.30	0	0	32.12	0	0	2.13	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	834.38	2160.00	2054.23	2208.00	2209.00	1299.40	941.33	2208.00
Indicator value	**0.4%**	**0.4%**	**0.5%**	**0.7%**	**0.9%**	**0.9%**	**1.0%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	12.62	5.19	19.01	86.56	6.16	1.35	2.45	2.84
Unplanned unavailable hours	0	0	3.52	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	834.38	2160.00	2054.23	2208.00	2209.00	1299.40	941.33	2208.00
Indicator value	**0.7%**	**0.7%**	**0.8%**	**1.1%**	**1.1%**	**1.1%**	**0.7%**	**0.7%**

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/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	10.28	0	0	79.95	0	21.42	26.82	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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	90.10	10.87	3.93	55.24	12.65	50.50	15.58	0
Unplanned unavailable hours	35.38	0	0	0	0	0	0	64.50
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	2160.00	2183.00	2208.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.7%**	**0.8%**	**0.8%**	**0.9%**	**1.0%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

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	0.000037	0.000028	0.000018	0.000081	0.000069	0.000011	0.000013	0.000029	0.000028	0.000025	0.000035	0.000012
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0.000027	0.000016	0.000010	0.000050	0.000021	N/A	0.000023	0.000042	0.000008	0.000014	0.000010	0.000023
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	2.400	2.360	N/A	2.100	2.070	2.010	2.020	2.030	2.680	2.030	2.140	2.090
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**8.0**	**7.9**	**N/A**	**7.0**	**6.9**	**6.7**	**6.7**	**6.8**	**8.9**	**6.8**	**7.1**	**7.0**

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	2.070	2.030	2.020	2.130	2.252	N/A	2.030	2.030	0	2.030	2.000	1.980
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.9**	**6.8**	**6.7**	**7.1**	**7.5**	**N/A**	**6.8**	**6.8**	**0**	**6.8**	**6.7**	**6.6**

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	11.0	46.0	46.0	17.0	89.0	3.0	2.0	58.0
Total opportunities	11.0	50.0	48.0	18.0	92.0	3.0	2.0	60.0
Indicator value	**92.7%**	**92.5%**	**92.2%**	**92.7%**	**93.7%**	**93.6%**	**94.7%**	**95.8%**

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	84.0	85.0	95.0	86.0	98.0	96.0	95.0	99.0
Total Key personnel	93.0	91.0	100.0	96.0	99.0	98.0	99.0	105.0
Indicator value	**90.3%**	**93.4%**	**95.0%**	**89.6%**	**99.0%**	**98.0%**	**96.0%**	**94.3%**

Licensee Comments: none

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	164	143	144	141	165	143	144	144
Total sirens-tests	168	144	144	144	168	144	144	144
Indicator value	**97.8%**	**98.2%**	**98.7%**	**98.7%**	**98.8%**	**98.8%**	**98.8%**	**99.3%**

Licensee Comments: none

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	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/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	35.68	78.53	25.13	19.00	41.18	67.75	83.24	86.82
CCTV compensatory hours	0	19.5	0.7	113.2	0.4	64.8	0	12.2
IDS normalization factor	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	**0.029**	**0.026**	**0.017**	**0.014**	**0.014**	**0.016**	**0.019**	**0.016**

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

Cooper

4Q/2003 Performance Indicators

Licensee's General Comments: 10/03-Fire on 345kv Cross Arm associated with Main Power Transformer, 11/03-Feedwater Pump Speed Controller

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	0	0	1.0	0	2.0
Critical hours	2160.0	2057.0	2208.0	2209.0	1296.0	988.6	2208.0	2000.7
Indicator value	**0**	**0**	**0**	**0**	**0**	**1.0**	**1.0**	**3.2**

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	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/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned power changes	2.0	2.0	0	1.0	1.0	2.0	1.0	1.0
Critical hours	2160.0	2057.0	2208.0	2209.0	1296.0	988.6	2208.0	2000.7
Indicator value	**4.7**	**5.8**	**3.8**	**4.1**	**3.6**	**4.2**	**5.2**	**5.4**

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	37.48	10.52	0	14.75	0	14.72	16.12	17.97
Unplanned unavailable hours	0	0	6.27	4.62	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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	25.65	66.87	25.70	15.80	0	6.07	4.25	52.73
Unplanned unavailable hours	0	0	16.45	0	0	0	9.53	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	**0.5%**	**0.7%**	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**0.9%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**	**4Q/03**
Train 1								
Planned unavailable hours	9.21	39.21	20.14	36.90	1.22	12.82	18.48	17.70
Unplanned unavailable hours	0	0	32.12	0	0	2.13	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	2054.23	2208.00	2209.00	1299.40	941.33	2208.00	2002.37
Indicator value	**0.4%**	**0.5%**	**0.7%**	**0.9%**	**0.9%**	**1.0%**	**1.1%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	5.19	19.01	86.56	6.16	1.35	2.45	2.84	41.63
Unplanned unavailable hours	0	3.52	0	0	0	0	0	7.87
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	2054.23	2208.00	2209.00	1299.40	941.33	2208.00	2002.37
Indicator value	**0.7%**	**0.8%**	**1.1%**	**1.1%**	**1.1%**	**0.7%**	**0.7%**	**0.9%**

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	0	0	79.95	0	21.42	26.82	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	33.34
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	10.87	3.93	55.24	12.65	50.50	15.58	0	21.92
Unplanned unavailable hours	0	0	0	0	0	0	64.50	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	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.5%**	**0.5%**	**0.7%**	**0.8%**	**0.8%**	**0.9%**	**1.0%**	**1.1%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

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	0.000081	0.000069	0.000011	0.000013	0.000029	0.000028	0.000025	0.000035	0.000012	0.000027	0.000016	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0.000050	0.000021	N/A	0.000023	0.000042	0.000008	0.000014	0.000010	0.000023	0.000019	0.000053	0.000043
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**N/A**	**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	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	2.100	2.070	2.010	2.020	2.030	2.680	2.030	2.140	2.090	2.070	2.030	2.020
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.0**	**6.9**	**6.7**	**6.7**	**6.8**	**8.9**	**6.8**	**7.1**	**7.0**	**6.9**	**6.8**	**6.7**

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	2.130	2.252	N/A	2.030	2.030	0	2.030	2.000	1.980	1.980	2.080	2.180
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.1**	**7.5**	**N/A**	**6.8**	**6.8**	**0**	**6.8**	**6.7**	**6.6**	**6.6**	**6.9**	**7.3**

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	46.0	46.0	17.0	89.0	3.0	2.0	58.0	116.0
Total opportunities	50.0	48.0	18.0	92.0	3.0	2.0	60.0	122.0
Indicator value	**92.5%**	**92.2%**	**92.7%**	**93.7%**	**93.6%**	**94.7%**	**95.8%**	**95.4%**

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	85.0	95.0	86.0	98.0	96.0	95.0	99.0	107.0
Total Key personnel	91.0	100.0	96.0	99.0	98.0	99.0	105.0	110.0
Indicator value	**93.4%**	**95.0%**	**89.6%**	**99.0%**	**98.0%**	**96.0%**	**94.3%**	**97.3%**

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	143	144	141	165	143	144	144	166
Total sirens-tests	144	144	144	168	144	144	144	170
Indicator value	**98.2%**	**98.7%**	**98.7%**	**98.8%**	**98.8%**	**98.8%**	**99.3%**	**99.2%**

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	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/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	78.53	25.13	19.00	41.18	67.75	83.24	86.82	71.27
CCTV compensatory hours	19.5	0.7	113.2	0.4	64.8	0	12.2	2.1
IDS normalization factor	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	**0.026**	**0.017**	**0.014**	**0.014**	**0.016**	**0.019**	**0.016**	**0.018**

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

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

Cooper

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	0	0	1.0	0	2.0	0
Critical hours	2057.0	2208.0	2209.0	1296.0	988.6	2208.0	2000.7	2184.0
Indicator value	**0**	**0**	**0**	**0**	**1.0**	**1.0**	**3.2**	**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/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
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	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Unplanned power changes	2.0	0	1.0	1.0	2.0	1.0	1.0	1.0
Critical hours	2057.0	2208.0	2209.0	1296.0	988.6	2208.0	2000.7	2184.0
Indicator value	**5.8**	**3.8**	**4.1**	**3.6**	**4.2**	**5.2**	**5.4**	**4.7**

Licensee Comments:

1Q/04: The "A" Reactor Recirc MG Set tripped in February due to failure to replace exciter brushes on a frequency consistent with vendor recommendations.

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	10.52	0	14.75	0	14.72	16.12	17.97	4.72
Unplanned unavailable hours	0	6.27	4.62	0	0	0	0	66.50
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	2184.00
Train 2								
Planned unavailable hours	66.87	25.70	15.80	0	6.07	4.25	52.73	7.20
Unplanned unavailable hours	0	16.45	0	0	0	9.53	0	27.75
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	**0.7%**	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**0.9%**	**0.9%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	39.21	20.14	36.90	1.22	12.82	18.48	17.70	22.93
Unplanned unavailable hours	0	32.12	0	0	2.13	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	2054.23	2208.00	2209.00	1299.40	941.33	2208.00	2002.37	2184.00
Indicator value	**0.5%**	**0.7%**	**0.9%**	**0.9%**	**1.0%**	**1.1%**	**1.0%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	19.01	86.56	6.16	1.35	2.45	2.84	41.63	10.29
Unplanned unavailable hours	3.52	0	0	0	0	0	7.87	3.33
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2054.23	2208.00	2209.00	1299.40	941.33	2208.00	2002.37	2184.00
Indicator value	**0.8%**	**1.1%**	**1.1%**	**1.1%**	**0.7%**	**0.7%**	**0.9%**	**1.0%**

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	0	79.95	0	21.42	26.82	0	0	1.08
Unplanned unavailable hours	0	0	0	0	0	0	33.34	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	3.93	55.24	12.65	50.50	15.58	0	21.92	1.15
Unplanned unavailable hours	0	0	0	0	0	64.50	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**0.5%**	**0.7%**	**0.8%**	**0.8%**	**0.9%**	**1.0%**	**1.1%**	**1.1%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

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	0.000013	0.000029	0.000028	0.000025	0.000035	0.000012	0.000027	0.000016	0.000010	0.000050	0.000021	N/A
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**

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	0.000023	0.000042	0.000008	0.000014	0.000010	0.000023	0.000019	0.000053	0.000043	0.000036	0.000025	0.000018
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**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	2.020	2.030	2.680	2.030	2.140	2.090	2.070	2.030	2.020	2.130	2.252	N/A
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.7**	**6.8**	**8.9**	**6.8**	**7.1**	**7.0**	**6.9**	**6.8**	**6.7**	**7.1**	**7.5**	**N/A**

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	2.030	2.030	0	2.030	2.000	1.980	1.980	2.080	2.180	2.168	2.123	2.030
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.8**	**6.8**	**0**	**6.8**	**6.7**	**6.6**	**6.6**	**6.9**	**7.3**	**7.2**	**7.1**	**6.8**

Licensee Comments: none

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	46.0	17.0	89.0	3.0	2.0	58.0	116.0	24.0
Total opportunities	48.0	18.0	92.0	3.0	2.0	60.0	122.0	24.0
Indicator value	**92.2%**	**92.7%**	**93.7%**	**93.6%**	**94.7%**	**95.8%**	**95.4%**	**96.2%**

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	95.0	86.0	98.0	96.0	95.0	99.0	107.0	90.0
Total Key personnel	100.0	96.0	99.0	98.0	99.0	105.0	110.0	91.0
Indicator value	**95.0%**	**89.6%**	**99.0%**	**98.0%**	**96.0%**	**94.3%**	**97.3%**	**98.9%**

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	144	141	165	143	144	144	166	142
Total sirens-tests	144	144	168	144	144	144	170	144
Indicator value	**98.7%**	**98.7%**	**98.8%**	**98.8%**	**98.8%**	**99.3%**	**99.2%**	**99.0%**

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	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/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	25.13	19.00	41.18	67.75	83.24	86.82	71.27	155.08
CCTV compensatory hours	0.7	113.2	0.4	64.8	0	12.2	2.1	61.9
IDS normalization factor	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	**0.017**	**0.014**	**0.014**	**0.016**	**0.019**	**0.016**	**0.018**	**0.021**

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

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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	0	0	1.0	0	2.0	0	0
Critical hours	2208.0	2209.0	1296.0	988.6	2208.0	2000.7	2184.0	2183.0
Indicator value	**0**	**0**	**0**	**1.0**	**1.0**	**3.2**	**2.8**	**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	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
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	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned power changes	0	1.0	1.0	2.0	1.0	1.0	1.0	2.0
Critical hours	2208.0	2209.0	1296.0	988.6	2208.0	2000.7	2184.0	2183.0
Indicator value	**3.8**	**4.1**	**3.6**	**4.2**	**5.2**	**5.4**	**4.7**	**4.1**

Licensee Comments:

2Q/04: May - Reactor Feed Pump Turbine Speed Control malfunction. June - Steam Tunnel Fan Coil Unit Shaft Bearing replacement.

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	0	14.75	0	14.72	16.12	17.97	4.72	28.40
Unplanned unavailable hours	6.27	4.62	0	0	0	0	66.50	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	2184.00	2183.00
Train 2								
Planned unavailable hours	25.70	15.80	0	6.07	4.25	52.73	7.20	29.57
Unplanned unavailable hours	16.45	0	0	0	9.53	0	27.75	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	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**0.9%**	**0.9%**	**1.0%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	20.14	36.90	1.22	12.82	18.48	17.70	22.93	2.42
Unplanned unavailable hours	32.12	0	0	2.13	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	1299.40	941.33	2208.00	2002.37	2184.00	2183.00
Indicator value	**0.7%**	**0.9%**	**0.9%**	**1.0%**	**1.1%**	**1.0%**	**1.1%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	86.56	6.16	1.35	2.45	2.84	41.63	10.29	1.07
Unplanned unavailable hours	0	0	0	0	0	7.87	3.33	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	1299.40	941.33	2208.00	2002.37	2184.00	2183.00
Indicator value	**1.1%**	**1.1%**	**1.1%**	**0.7%**	**0.7%**	**0.9%**	**1.0%**	**0.9%**

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	79.95	0	21.42	26.82	0	0	1.08	0
Unplanned unavailable hours	0	0	0	0	0	33.34	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
Train 2								
Planned unavailable hours	55.24	12.65	50.50	15.58	0	21.92	1.15	0
Unplanned unavailable hours	0	0	0	0	64.50	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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**0.7%**	**0.8%**	**0.8%**	**0.9%**	**1.0%**	**1.1%**	**1.1%**	**1.1%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments:

2Q/04: LER 2004-002

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	0.000025	0.000035	0.000012	0.000027	0.000016	0.000010	0.000050	0.000021	N/A	0.000023	0.000042	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**

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	0.000014	0.000010	0.000023	0.000019	0.000053	0.000043	0.000036	0.000025	0.000018	0.000038	0.000026	0.000023
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	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	2.030	2.140	2.090	2.070	2.030	2.020	2.130	2.252	N/A	2.030	2.030	0
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.8**	**7.1**	**7.0**	**6.9**	**6.8**	**6.7**	**7.1**	**7.5**	**N/A**	**6.8**	**6.8**	**0**

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	2.030	2.000	1.980	1.980	2.080	2.180	2.168	2.123	2.030	2.060	2.100	2.160
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.8**	**6.7**	**6.6**	**6.6**	**6.9**	**7.3**	**7.2**	**7.1**	**6.8**	**6.9**	**7.0**	**7.2**

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	17.0	89.0	3.0	2.0	58.0	116.0	24.0	2.0
Total opportunities	18.0	92.0	3.0	2.0	60.0	122.0	24.0	3.0
Indicator value	**92.7%**	**93.7%**	**93.6%**	**94.7%**	**95.8%**	**95.4%**	**96.2%**	**96.0%**

Licensee Comments: none

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	86.0	98.0	96.0	95.0	99.0	107.0	90.0	87.0
Total Key personnel	96.0	99.0	98.0	99.0	105.0	110.0	91.0	89.0
Indicator value	**89.6%**	**99.0%**	**98.0%**	**96.0%**	**94.3%**	**97.3%**	**98.9%**	**97.8%**

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	141	165	143	144	144	166	142	143
Total sirens-tests	144	168	144	144	144	170	144	144
Indicator value	**98.7%**	**98.8%**	**98.8%**	**98.8%**	**99.3%**	**99.2%**	**99.0%**	**98.8%**

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	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/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.

Cooper

3Q/2004 Performance Indicators

Licensee's General Comments: LER 2004-004 corrects LER 2003-004, LER 2003-007 regarding declaration of HPCI inop due to placing HPCI L.O. pump in Pull-To-Lock.

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	0	0	1.0	0	2.0	0	0	0
Critical hours	2209.0	1296.0	988.6	2208.0	2000.7	2184.0	2183.0	2208.0
Indicator value	**0**	**0**	**1.0**	**1.0**	**3.2**	**2.8**	**1.6**	**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/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
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/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned power changes	1.0	1.0	2.0	1.0	1.0	1.0	2.0	1.0
Critical hours	2209.0	1296.0	988.6	2208.0	2000.7	2184.0	2183.0	2208.0
Indicator value	**4.1**	**3.6**	**4.2**	**5.2**	**5.4**	**4.7**	**4.1**	**4.1**

Licensee Comments:

3Q/04: Feed Pump "B" runback from spurious signal.

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	14.75	0	14.72	16.12	17.97	4.72	28.40	5.43
Unplanned unavailable hours	4.62	0	0	0	0	66.50	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	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	15.80	0	6.07	4.25	52.73	7.20	29.57	81.48
Unplanned unavailable hours	0	0	0	9.53	0	27.75	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	**0.8%**	**0.8%**	**0.8%**	**0.9%**	**0.9%**	**1.0%**	**1.1%**	**1.2%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	36.90	1.22	12.82	18.48	17.70	22.93	2.42	1.66
Unplanned unavailable hours	0	0	2.13	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	1299.40	941.33	2208.00	2002.37	2184.00	2183.00	2208.00
Indicator value	**0.9%**	**0.9%**	**1.0%**	**1.1%**	**1.0%**	**1.1%**	**1.1%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	6.16	1.35	2.45	2.84	41.63	10.29	1.07	22.17
Unplanned unavailable hours	0	0	0	0	7.87	3.33	0	1.60
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	1299.40	941.33	2208.00	2002.37	2184.00	2183.00	2208.00
Indicator value	**1.1%**	**1.1%**	**0.7%**	**0.7%**	**0.9%**	**1.0%**	**0.9%**	**1.0%**

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/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	0	21.42	26.82	0	0	1.08	0	7.55
Unplanned unavailable hours	0	0	0	0	33.34	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
Train 2								
Planned unavailable hours	12.65	50.50	15.58	0	21.92	1.15	0	10.08
Unplanned unavailable hours	0	0	0	64.50	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	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**0.8%**	**0.8%**	**0.9%**	**1.0%**	**1.1%**	**1.1%**	**1.1%**	**1.0%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

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	0.000027	0.000016	0.000010	0.000050	0.000021	N/A	0.000023	0.000042	0.000008	0.000014	0.000010	0.000023
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**

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	0.000019	0.000053	0.000043	0.000036	0.000025	0.000018	0.000038	0.000026	0.000023	0.000027	0.000026	0.000022
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	2.070	2.030	2.020	2.130	2.252	N/A	2.030	2.030	0	2.030	2.000	1.980
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.9**	**6.8**	**6.7**	**7.1**	**7.5**	**N/A**	**6.8**	**6.8**	**0**	**6.8**	**6.7**	**6.6**

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	1.980	2.080	2.180	2.168	2.123	2.030	2.060	2.100	2.160	2.223	2.192	2.180
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.6**	**6.9**	**7.3**	**7.2**	**7.1**	**6.8**	**6.9**	**7.0**	**7.2**	**7.4**	**7.3**	**7.3**

Licensee Comments: none

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	89.0	3.0	2.0	58.0	116.0	24.0	2.0	71.0
Total opportunities	92.0	3.0	2.0	60.0	122.0	24.0	3.0	72.0
Indicator value	**93.7%**	**93.6%**	**94.7%**	**95.8%**	**95.4%**	**96.2%**	**96.0%**	**96.6%**

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	98.0	96.0	95.0	99.0	107.0	90.0	87.0	87.0
Total Key personnel	99.0	98.0	99.0	105.0	110.0	91.0	89.0	88.0
Indicator value	**99.0%**	**98.0%**	**96.0%**	**94.3%**	**97.3%**	**98.9%**	**97.8%**	**98.9%**

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	165	143	144	144	166	142	143	239
Total sirens-tests	168	144	144	144	170	144	144	240
Indicator value	**98.8%**	**98.8%**	**98.8%**	**99.3%**	**99.2%**	**99.0%**	**98.8%**	**98.9%**

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	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/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

Cooper

4Q/2004 Performance Indicators

Licensee's General Comments: Forced Turbine Outage in October-November

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	0	1.0	0	2.0	0	0	0	0
Critical hours	1296.0	988.6	2208.0	2000.7	2184.0	2183.0	2208.0	1743.0
Indicator value	**0**	**1.0**	**1.0**	**3.2**	**2.8**	**1.6**	**1.6**	**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	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/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned power changes	1.0	2.0	1.0	1.0	1.0	2.0	1.0	1.0
Critical hours	1296.0	988.6	2208.0	2000.7	2184.0	2183.0	2208.0	1743.0
Indicator value	**3.6**	**4.2**	**5.2**	**5.4**	**4.7**	**4.1**	**4.1**	**4.2**

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	0	14.72	16.12	17.97	4.72	28.40	5.43	24.57
Unplanned unavailable hours	0	0	0	0	66.50	0	0	23.75
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	0	6.07	4.25	52.73	7.20	29.57	81.48	20.03
Unplanned unavailable hours	0	0	9.53	0	27.75	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	**0.8%**	**0.8%**	**0.9%**	**0.9%**	**1.0%**	**1.1%**	**1.2%**	**1.3%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	1.22	12.82	18.48	17.70	22.93	2.42	1.66	62.12
Unplanned unavailable hours	0	2.13	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	1299.40	941.33	2208.00	2002.37	2184.00	2183.00	2208.00	1741.76
Indicator value	**0.9%**	**1.0%**	**1.1%**	**1.0%**	**1.1%**	**1.1%**	**1.0%**	**1.2%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	1.35	2.45	2.84	41.63	10.29	1.07	22.17	31.79
Unplanned unavailable hours	0	0	0	7.87	3.33	0	1.60	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	1299.40	941.33	2208.00	2002.37	2184.00	2183.00	2208.00	1741.76
Indicator value	**1.1%**	**0.7%**	**0.7%**	**0.9%**	**1.0%**	**0.9%**	**1.0%**	**1.1%**

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	21.42	26.82	0	0	1.08	0	7.55	0
Unplanned unavailable hours	0	0	0	33.34	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
Train 2								
Planned unavailable hours	50.50	15.58	0	21.92	1.15	0	10.08	0
Unplanned unavailable hours	0	0	64.50	0	0	0	0	0.27
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	**0.8%**	**0.9%**	**1.0%**	**1.1%**	**1.1%**	**1.1%**	**1.0%**	**0.8%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

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	0.000050	0.000021	N/A	0.000023	0.000042	0.000008	0.000014	0.000010	0.000023	0.000019	0.000053	0.000043
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0.000036	0.000025	0.000018	0.000038	0.000026	0.000023	0.000027	0.000026	0.000022	0.000023	0.000031	0.000022
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum leakage	2.130	2.252	N/A	2.030	2.030	0	2.030	2.000	1.980	1.980	2.080	2.180
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.1**	**7.5**	**N/A**	**6.8**	**6.8**	**0**	**6.8**	**6.7**	**6.6**	**6.6**	**6.9**	**7.3**

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	2.168	2.123	2.030	2.060	2.100	2.160	2.223	2.192	2.180	2.144	2.454	2.060
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.2**	**7.1**	**6.8**	**6.9**	**7.0**	**7.2**	**7.4**	**7.3**	**7.3**	**7.1**	**8.2**	**6.9**

Licensee Comments: none

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	3.0	2.0	58.0	116.0	24.0	2.0	71.0	23.0
Total opportunities	3.0	2.0	60.0	122.0	24.0	3.0	72.0	23.0
Indicator value	**93.6%**	**94.7%**	**95.8%**	**95.4%**	**96.2%**	**96.0%**	**96.6%**	**96.8%**

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	96.0	95.0	99.0	107.0	90.0	87.0	87.0	90.0
Total Key personnel	98.0	99.0	105.0	110.0	91.0	89.0	88.0	90.0
Indicator value	**98.0%**	**96.0%**	**94.3%**	**97.3%**	**98.9%**	**97.8%**	**98.9%**	**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	143	144	144	166	142	143	239	311
Total sirens-tests	144	144	144	170	144	144	240	312
Indicator value	**98.8%**	**98.8%**	**99.3%**	**99.2%**	**99.0%**	**98.8%**	**98.9%**	**99.4%**

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	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/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

Cooper

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	1.0	0	2.0	0	0	0	0	0
Critical hours	988.6	2208.0	2000.7	2184.0	2183.0	2208.0	1743.0	1354.8
Indicator value	**1.0**	**1.0**	**3.2**	**2.8**	**1.6**	**1.6**	**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	**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/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned power changes	2.0	1.0	1.0	1.0	2.0	1.0	1.0	0
Critical hours	988.6	2208.0	2000.7	2184.0	2183.0	2208.0	1743.0	1354.8
Indicator value	**4.2**	**5.2**	**5.4**	**4.7**	**4.1**	**4.1**	**4.2**	**3.7**

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	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	14.72	16.12	17.97	4.72	28.40	5.43	24.57	6.46
Unplanned unavailable hours	0	0	0	66.50	0	0	23.75	13.97
Fault exposure hours	0	0	0	0	0	0	0	3.13
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	6.07	4.25	52.73	7.20	29.57	81.48	20.03	5.00
Unplanned unavailable hours	0	9.53	0	27.75	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	**0.8%**	**0.9%**	**0.9%**	**1.0%**	**1.1%**	**1.2%**	**1.3%**	**1.2%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	12.82	18.48	17.70	22.93	2.42	1.66	62.12	2.75
Unplanned unavailable hours	2.13	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	941.33	2208.00	2002.37	2184.00	2183.00	2208.00	1741.76	1346.55
Indicator value	**1.0%**	**1.1%**	**1.0%**	**1.1%**	**1.1%**	**1.0%**	**1.2%**	**1.2%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	2.45	2.84	41.63	10.29	1.07	22.17	31.79	1.45
Unplanned unavailable hours	0	0	7.87	3.33	0	1.60	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	941.33	2208.00	2002.37	2184.00	2183.00	2208.00	1741.76	1346.55
Indicator value	**0.7%**	**0.7%**	**0.9%**	**1.0%**	**0.9%**	**1.0%**	**1.1%**	**1.1%**

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	26.82	0	0	1.08	0	7.55	0	24.20
Unplanned unavailable hours	0	0	33.34	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
Train 2								
Planned unavailable hours	15.58	0	21.92	1.15	0	10.08	0	0
Unplanned unavailable hours	0	64.50	0	0	0	0	0.27	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%**	**1.0%**	**1.1%**	**1.1%**	**1.1%**	**1.0%**	**0.8%**	**0.8%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

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	0.000023	0.000042	0.000008	0.000014	0.000010	0.000023	0.000019	0.000053	0.000043	0.000036	0.000025	0.000018
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0.000038	0.000026	0.000023	0.000027	0.000026	0.000022	0.000023	0.000031	0.000022	0.000024	0.000268	0.000042
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04
Maximum leakage	2.030	2.030	0	2.030	2.000	1.980	1.980	2.080	2.180	2.168	2.123	2.030
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.8**	**6.8**	**0**	**6.8**	**6.7**	**6.6**	**6.6**	**6.9**	**7.3**	**7.2**	**7.1**	**6.8**

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	2.060	2.100	2.160	2.223	2.192	2.180	2.144	2.454	2.060	1.960	2.410	2.240
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.9**	**7.0**	**7.2**	**7.4**	**7.3**	**7.3**	**7.1**	**8.2**	**6.9**	**6.5**	**8.0**	**7.5**

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	2.0	58.0	116.0	24.0	2.0	71.0	23.0	40.0
Total opportunities	2.0	60.0	122.0	24.0	3.0	72.0	23.0	42.0
Indicator value	**94.7%**	**95.8%**	**95.4%**	**96.2%**	**96.0%**	**96.6%**	**96.8%**	**96.6%**

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	95.0	99.0	107.0	90.0	87.0	87.0	90.0	89.0
Total Key personnel	99.0	105.0	110.0	91.0	89.0	88.0	90.0	89.0
Indicator value	**96.0%**	**94.3%**	**97.3%**	**98.9%**	**97.8%**	**98.9%**	**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	144	144	166	142	143	239	311	288
Total sirens-tests	144	144	170	144	144	240	312	288
Indicator value	**98.8%**	**99.3%**	**99.2%**	**99.0%**	**98.8%**	**98.9%**	**99.4%**	**99.7%**

Licensee Comments: none

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	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	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

Cooper

2Q/2005 Performance Indicators

Licensee's General Comments: Correction in numbers for Drill,Exercise Performance

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	2.0	0	0	0	0	0	1.0
Critical hours	2208.0	2000.7	2184.0	2183.0	2208.0	1743.0	1354.8	2134.9
Indicator value	**1.0**	**3.2**	**2.8**	**1.6**	**1.6**	**0**	**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	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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1.0	1.0	1.0	2.0	1.0	1.0	0	0
Critical hours	2208.0	2000.7	2184.0	2183.0	2208.0	1743.0	1354.8	2134.9
Indicator value	**5.2**	**5.4**	**4.7**	**4.1**	**4.1**	**4.2**	**3.7**	**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/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	16.12	17.97	4.72	28.40	5.43	24.57	6.46	5.60
Unplanned unavailable hours	0	0	66.50	0	0	23.75	13.97	0
Fault exposure hours	0	0	0	0	0	0	3.13	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	4.25	52.73	7.20	29.57	81.48	20.03	5.00	5.10
Unplanned unavailable hours	9.53	0	27.75	0	0	0	0	5.87
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%**	**1.0%**	**1.1%**	**1.2%**	**1.3%**	**1.2%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	18.48	17.70	22.93	2.42	1.66	62.12	2.75	34.58
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	2002.37	2184.00	2183.00	2208.00	1741.76	1346.55	2164.50
Indicator value	**1.1%**	**1.0%**	**1.1%**	**1.1%**	**1.0%**	**1.2%**	**1.2%**	**1.2%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	2.84	41.63	10.29	1.07	22.17	31.79	1.45	0
Unplanned unavailable hours	0	7.87	3.33	0	1.60	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	2002.37	2184.00	2183.00	2208.00	1741.76	1346.55	2164.50
Indicator value	**0.7%**	**0.9%**	**1.0%**	**0.9%**	**1.0%**	**1.1%**	**1.1%**	**1.0%**

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	0	0	1.08	0	7.55	0	24.20	0
Unplanned unavailable hours	0	33.34	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	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	0	21.92	1.15	0	10.08	0	0	16.33
Unplanned unavailable hours	64.50	0	0	0	0	0.27	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	2209.00	2160.00	2183.00
Indicator value	**1.0%**	**1.1%**	**1.1%**	**1.1%**	**1.0%**	**0.8%**	**0.8%**	**0.8%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

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	0.000014	0.000010	0.000023	0.000019	0.000053	0.000043	0.000036	0.000025	0.000018	0.000038	0.000026	0.000023
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0.000027	0.000026	0.000022	0.000023	0.000031	0.000022	0.000024	0.000268	0.000042	0.000035	0.000021	0.000034
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**
Maximum leakage	2.030	2.000	1.980	1.980	2.080	2.180	2.168	2.123	2.030	2.060	2.100	2.160
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.8**	**6.7**	**6.6**	**6.6**	**6.9**	**7.3**	**7.2**	**7.1**	**6.8**	**6.9**	**7.0**	**7.2**
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	2.223	2.192	2.180	2.144	2.454	2.060	1.960	2.410	2.240	2.110	2.024	2.234
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.4**	**7.3**	**7.3**	**7.1**	**8.2**	**6.9**	**6.5**	**8.0**	**7.5**	**7.0**	**6.7**	**7.4**

Licensee Comments: none

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	58.0	116.0	24.0	2.0	71.0	23.0	39.0	30.0
Total opportunities	60.0	122.0	24.0	3.0	72.0	23.0	41.0	31.0
Indicator value	**95.8%**	**95.4%**	**96.2%**	**96.0%**	**96.6%**	**96.8%**	**96.5%**	**96.5%**

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	99.0	107.0	90.0	87.0	87.0	90.0	89.0	98.0
Total Key personnel	105.0	110.0	91.0	89.0	88.0	90.0	89.0	101.0
Indicator value	**94.3%**	**97.3%**	**98.9%**	**97.8%**	**98.9%**	**100.0%**	**100.0%**	**97.0%**

Licensee Comments: none

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	144	166	142	143	239	311	288	287
Total sirens-tests	144	170	144	144	240	312	288	288
Indicator value	**99.3%**	**99.2%**	**99.0%**	**98.8%**	**98.9%**	**99.4%**	**99.7%**	**99.7%**

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	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	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

Cooper

3Q/2005 Performance Indicators

Licensee's General Comments: 08/29/05 NRC letter (NRC2005034) notified CNS that the 03/14/05 MPF fire should have been classified as a NOUE. Since the criteria for declaring a NOUE were not met 1 classification failure was added to the March DEP PI data. After review of data June EAC Train 1 planned unavailability was changed from 1.37 to 1.60 and March EAC Train 2 planned unavailability was changed from 3.13 to 3.56. None of the changes had any noticeable impact on the PI's.

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	2.0	0	0	0	0	0	1.0	1.0
Critical hours	2000.7	2184.0	2183.0	2208.0	1743.0	1354.8	2134.9	2134.2
Indicator value	**3.2**	**2.8**	**1.6**	**1.6**	**0**	**0**	**0.9**	**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/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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1.0	1.0	2.0	1.0	1.0	0	0	0
Critical hours	2000.7	2184.0	2183.0	2208.0	1743.0	1354.8	2134.9	2134.2
Indicator value	**5.4**	**4.7**	**4.1**	**4.1**	**4.2**	**3.7**	**1.9**	**1.0**

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	17.97	4.72	28.40	5.43	24.57	6.46	5.83	23.66
Unplanned unavailable hours	0	66.50	0	0	23.75	13.97	0	0
Fault exposure hours	0	0	0	0	0	3.13	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	52.73	7.20	29.57	81.48	20.03	5.43	5.10	23.20
Unplanned unavailable hours	0	27.75	0	0	0	0	5.87	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%**	**1.0%**	**1.1%**	**1.2%**	**1.3%**	**1.2%**	**1.1%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	17.70	22.93	2.42	1.66	62.12	2.75	34.58	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	2002.37	2184.00	2183.00	2208.00	1741.76	1346.55	2164.50	2135.90
Indicator value	**1.0%**	**1.1%**	**1.1%**	**1.0%**	**1.2%**	**1.2%**	**1.2%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	41.63	10.29	1.07	22.17	31.79	1.45	0	29.88
Unplanned unavailable hours	7.87	3.33	0	1.60	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	2002.37	2184.00	2183.00	2208.00	1741.76	1346.55	2164.50	2135.90
Indicator value	**0.9%**	**1.0%**	**0.9%**	**1.0%**	**1.1%**	**1.1%**	**1.0%**	**0.7%**

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	1.08	0	7.55	0	24.20	0	0
Unplanned unavailable hours	33.34	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	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	21.92	1.15	0	10.08	0	0	16.33	13.53
Unplanned unavailable hours	0	0	0	0	0.27	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	2209.00	2160.00	2183.00	2208.00
Indicator value	**1.1%**	**1.1%**	**1.1%**	**1.0%**	**0.8%**	**0.8%**	**0.8%**	**0.6%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

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	0.000019	0.000053	0.000043	0.000036	0.000025	0.000018	0.000038	0.000026	0.000023	0.000027	0.000026	0.000022
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0.000023	0.000031	0.000022	0.000024	0.000268	0.000042	0.000035	0.000021	0.000034	0.000030	0.000024	0.000074
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0.1**	**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	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**
Maximum leakage	1.980	2.080	2.180	2.168	2.123	2.030	2.060	2.100	2.160	2.223	2.192	2.180
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.6**	**6.9**	**7.3**	**7.2**	**7.1**	**6.8**	**6.9**	**7.0**	**7.2**	**7.4**	**7.3**	**7.3**
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	2.144	2.454	2.060	1.960	2.410	2.240	2.110	2.024	2.234	2.338	2.233	2.253
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.1**	**8.2**	**6.9**	**6.5**	**8.0**	**7.5**	**7.0**	**6.7**	**7.4**	**7.8**	**7.4**	**7.5**

Licensee Comments: none

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	116.0	24.0	2.0	71.0	23.0	39.0	30.0	58.0
Total opportunities	122.0	24.0	3.0	72.0	23.0	42.0	31.0	59.0
Indicator value	**95.4%**	**96.2%**	**96.0%**	**96.6%**	**96.8%**	**96.3%**	**96.3%**	**96.5%**

Licensee Comments: none

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	107.0	90.0	87.0	87.0	90.0	89.0	98.0	96.0
Total Key personnel	110.0	91.0	89.0	88.0	90.0	89.0	101.0	98.0
Indicator value	**97.3%**	**98.9%**	**97.8%**	**98.9%**	**100.0%**	**100.0%**	**97.0%**	**98.0%**

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	166	142	143	239	311	288	287	286
Total sirens-tests	170	144	144	240	312	288	288	288
Indicator value	**99.2%**	**99.0%**	**98.8%**	**98.9%**	**99.4%**	**99.7%**	**99.7%**	**99.7%**

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	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

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

Cooper

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	1.0	1.0	0
Critical hours	2184.0	2183.0	2208.0	1743.0	1354.8	2134.9	2134.2	2209.0
Indicator value	**2.8**	**1.6**	**1.6**	**0**	**0**	**0.9**	**1.9**	**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	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	**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/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned power changes	1.0	2.0	1.0	1.0	0	0	0	0
Critical hours	2184.0	2183.0	2208.0	1743.0	1354.8	2134.9	2134.2	2209.0
Indicator value	**4.7**	**4.1**	**4.1**	**4.2**	**3.7**	**1.9**	**1.0**	**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	4.72	28.40	5.43	24.57	6.46	5.83	23.66	4.66
Unplanned unavailable hours	66.50	0	0	23.75	13.97	0	0	0
Fault exposure hours	0	0	0	0	3.13	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	7.20	29.57	81.48	20.03	5.43	5.10	23.20	15.49
Unplanned unavailable hours	27.75	0	0	0	0	5.87	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	**1.0%**	**1.1%**	**1.2%**	**1.3%**	**1.2%**	**1.1%**	**1.1%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	22.93	2.42	1.66	62.12	2.75	34.58	1.45	5.10
Unplanned unavailable hours	0	0	0	0	0	0	0	6.47
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	1741.76	1346.55	2164.50	2135.90	2209.00
Indicator value	**1.1%**	**1.1%**	**1.0%**	**1.2%**	**1.2%**	**1.2%**	**1.0%**	**0.8%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	10.29	1.07	22.17	31.79	1.45	0	29.88	2.30
Unplanned unavailable hours	3.33	0	1.60	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	1741.76	1346.55	2164.50	2135.90	2209.00
Indicator value	**1.0%**	**0.9%**	**1.0%**	**1.1%**	**1.1%**	**1.0%**	**0.7%**	**0.7%**

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	1.08	0	7.55	0	24.20	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	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	1.15	0	10.08	0	0	16.33	13.53	13.79
Unplanned unavailable hours	0	0	0	0.27	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	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**1.1%**	**1.1%**	**1.0%**	**0.8%**	**0.8%**	**0.8%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

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	0.000036	0.000025	0.000018	0.000038	0.000026	0.000023	0.000027	0.000026	0.000022	0.000023	0.000031	0.000022
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0.000024	0.000268	0.000042	0.000035	0.000021	0.000034	0.000030	0.000024	0.000074	0.000066	0.000022	0.000021
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**
Maximum leakage	2.168	2.123	2.030	2.060	2.100	2.160	2.223	2.192	2.180	2.144	2.454	2.060
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.2**	**7.1**	**6.8**	**6.9**	**7.0**	**7.2**	**7.4**	**7.3**	**7.3**	**7.1**	**8.2**	**6.9**
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	1.960	2.410	2.240	2.110	2.024	2.234	2.338	2.233	2.253	2.040	2.019	2.006
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.5**	**8.0**	**7.5**	**7.0**	**6.7**	**7.4**	**7.8**	**7.4**	**7.5**	**6.8**	**6.7**	**6.7**

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	24.0	2.0	71.0	23.0	39.0	30.0	58.0	40.0
Total opportunities	24.0	3.0	72.0	23.0	42.0	31.0	59.0	41.0
Indicator value	**96.2%**	**96.0%**	**96.6%**	**96.8%**	**96.3%**	**96.3%**	**96.5%**	**97.3%**

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	90.0	87.0	87.0	90.0	89.0	98.0	96.0	98.0
Total Key personnel	91.0	89.0	88.0	90.0	89.0	101.0	98.0	99.0
Indicator value	**98.9%**	**97.8%**	**98.9%**	**100.0%**	**100.0%**	**97.0%**	**98.0%**	**99.0%**

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	142	143	239	311	288	287	286	309
Total sirens-tests	144	144	240	312	288	288	288	312
Indicator value	**99.0%**	**98.8%**	**98.9%**	**99.4%**	**99.7%**	**99.7%**	**99.7%**	**99.5%**

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	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	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

Cooper

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	1.0	1.0	0	1.0
Critical hours	2183.0	2208.0	1743.0	1354.8	2134.9	2134.2	2209.0	2113.4
Indicator value	**1.6**	**1.6**	**0**	**0**	**0.9**	**1.9**	**1.8**	**2.4**

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	**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/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned power changes	2.0	1.0	1.0	0	0	0	0	0
Critical hours	2183.0	2208.0	1743.0	1354.8	2134.9	2134.2	2209.0	2113.4
Indicator value	**4.1**	**4.1**	**4.2**	**3.7**	**1.9**	**1.0**	**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	28.40	5.43	24.57	6.46	5.83	23.66	4.66	39.74
Unplanned unavailable hours	0	0	23.75	13.97	0	0	0	0
Fault exposure hours	0	0	0	3.13	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	29.57	81.48	20.03	5.43	5.10	23.20	15.49	57.77
Unplanned unavailable hours	0	0	0	0	5.87	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	**1.1%**	**1.2%**	**1.3%**	**1.2%**	**1.1%**	**1.1%**	**1.1%**	**1.2%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	2.42	1.66	62.12	2.75	34.58	1.45	5.10	20.22
Unplanned unavailable hours	0	0	0	0	0	0	6.47	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	1741.76	1346.55	2164.50	2135.90	2209.00	2153.40
Indicator value	**1.1%**	**1.0%**	**1.2%**	**1.2%**	**1.2%**	**1.0%**	**0.8%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	1.07	22.17	31.79	1.45	0	29.88	2.30	0.92
Unplanned unavailable hours	0	1.60	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	1741.76	1346.55	2164.50	2135.90	2209.00	2153.40
Indicator value	**0.9%**	**1.0%**	**1.1%**	**1.1%**	**1.0%**	**0.7%**	**0.7%**	**0.7%**

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	0	7.55	0	24.20	0	0	0	4.78
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	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0	10.08	0	0	16.33	13.53	13.79	0
Unplanned unavailable hours	0	0	0.27	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	2160.00
Indicator value	**1.1%**	**1.0%**	**0.8%**	**0.8%**	**0.8%**	**0.6%**	**0.6%**	**0.5%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

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	0.000038	0.000026	0.000023	0.000027	0.000026	0.000022	0.000023	0.000031	0.000022	0.000024	0.000268	0.000042
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**

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	0.000035	0.000021	0.000034	0.000030	0.000024	0.000074	0.000066	0.000022	0.000021	0.000022	0.000027	0.000021
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**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	2.060	2.100	2.160	2.223	2.192	2.180	2.144	2.454	2.060	1.960	2.410	2.240
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.9**	**7.0**	**7.2**	**7.4**	**7.3**	**7.3**	**7.1**	**8.2**	**6.9**	**6.5**	**8.0**	**7.5**
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	2.110	2.024	2.234	2.338	2.233	2.253	2.040	2.019	2.006	2.008	2.008	2.076
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.0**	**6.7**	**7.4**	**7.8**	**7.4**	**7.5**	**6.8**	**6.7**	**6.7**	**6.7**	**6.7**	**6.9**

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	2.0	71.0	23.0	39.0	30.0	58.0	40.0	10.0
Total opportunities	3.0	72.0	23.0	42.0	31.0	59.0	41.0	10.0
Indicator value	**96.0%**	**96.6%**	**96.8%**	**96.3%**	**96.3%**	**96.5%**	**97.3%**	**97.2%**

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	87.0	87.0	90.0	89.0	98.0	96.0	98.0	100.0
Total Key personnel	89.0	88.0	90.0	89.0	101.0	98.0	99.0	101.0
Indicator value	**97.8%**	**98.9%**	**100.0%**	**100.0%**	**97.0%**	**98.0%**	**99.0%**	**99.0%**

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	143	239	311	288	287	286	309	287
Total sirens-tests	144	240	312	288	288	288	312	288
Indicator value	**98.8%**	**98.9%**	**99.4%**	**99.7%**	**99.7%**	**99.7%**	**99.5%**	**99.4%**

Licensee Comments: none

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	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	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

Cooper

2Q/2006 Performance Indicators

Licensee's General Comments: Error in EAC Surveillance Procedure in 1998 reguired modification to EAC planned unavailability for the 36 month period. The cause is discussed in LER 2006-03. EAC PI under old PI system remained GREEN with the modified unavailability numbers. MSPI Basis document has been revised to accommodate modified unavailability, and the CDE basis has been updated appropriately via override.

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	1.0	1.0	0	1.0	1.0
Critical hours	2208.0	1743.0	1354.8	2134.9	2134.2	2209.0	2113.4	2131.3
Indicator value	**1.6**	**0**	**0**	**0.9**	**1.9**	**1.8**	**2.4**	**2.4**

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	**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/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned power changes	1.0	1.0	0	0	0	0	0	0
Critical hours	2208.0	1743.0	1354.8	2134.9	2134.2	2209.0	2113.4	2131.3
Indicator value	**4.1**	**4.2**	**3.7**	**1.9**	**1.0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

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)								2.00E-07
URI (ΔCDF)								-8.20E-07
PLE								NO
Indicator value								**-6.20E-07**

Licensee Comments:

2Q/06: Risk Cap Invoked.

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)								-1.00E-08
URI (ΔCDF)								-1.30E-08
PLE								NO
Indicator value								**-2.30E-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)								-3.80E-08
URI (ΔCDF)								-9.60E-08
PLE								NO
Indicator value								**-1.34E-07**

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)								5.00E-08
URI (ΔCDF)								-5.40E-07
PLE								NO
Indicator value								**-4.90E-07**

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)								5.40E-08
URI (ΔCDF)								-6.30E-08
PLE								NO
Indicator value								**-9.00E-09**

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	0.000027	0.000026	0.000022	0.000023	0.000031	0.000022	0.000024	0.000268	0.000042	0.000035	0.000021	0.000034
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**
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	0.000030	0.000024	0.000074	0.000066	0.000022	0.000021	0.000022	0.000027	0.000021	0.000019	0.000020	0.000020
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**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	2.223	2.192	2.180	2.144	2.454	2.060	1.960	2.410	2.240	2.110	2.024	2.234
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.4**	**7.3**	**7.3**	**7.1**	**8.2**	**6.9**	**6.5**	**8.0**	**7.5**	**7.0**	**6.7**	**7.4**
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	2.338	2.233	2.253	2.040	2.019	2.006	2.008	2.008	2.076	2.016	2.009	2.020
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.8**	**7.4**	**7.5**	**6.8**	**6.7**	**6.7**	**6.7**	**6.7**	**6.9**	**6.7**	**6.7**	**6.7**

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	71.0	23.0	39.0	30.0	58.0	40.0	10.0	20.0
Total opportunities	72.0	23.0	42.0	31.0	59.0	41.0	10.0	20.0
Indicator value	**96.6%**	**96.8%**	**96.3%**	**96.3%**	**96.5%**	**97.3%**	**97.2%**	**97.7%**

Licensee Comments: none

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	87.0	90.0	89.0	98.0	96.0	98.0	100.0	96.0
Total Key personnel	88.0	90.0	89.0	101.0	98.0	99.0	101.0	98.0
Indicator value	**98.9%**	**100.0%**	**100.0%**	**97.0%**	**98.0%**	**99.0%**	**99.0%**	**98.0%**

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	239	311	288	287	286	309	287	288
Total sirens-tests	240	312	288	288	288	312	288	288
Indicator value	**98.9%**	**99.4%**	**99.7%**	**99.7%**	**99.7%**	**99.5%**	**99.4%**	**99.5%**

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	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	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

Cooper

3Q/2006 Performance Indicators

Licensee's General Comments: Unplanned Power Change due to Condensate Booster Pump seal failure. Root Cause performed, SCR-CA-CNS-2006-06709

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	1.0	1.0	0	1.0	1.0	0
Critical hours	1743.0	1354.8	2134.9	2134.2	2209.0	2113.4	2131.3	2208.0
Indicator value	**0**	**0**	**0.9**	**1.9**	**1.8**	**2.4**	**2.4**	**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/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	**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/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned power changes	1.0	0	0	0	0	0	0	1.0
Critical hours	1743.0	1354.8	2134.9	2134.2	2209.0	2113.4	2131.3	2208.0
Indicator value	**4.2**	**3.7**	**1.9**	**1.0**	**0**	**0**	**0**	**0.8**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

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)							2.00E-07	1.30E-07
URI (ΔCDF)							-8.20E-07	-7.80E-07
PLE							NO	NO
Indicator value							**-6.20E-07**	**-6.50E-07**

Licensee Comments:

3Q/06: Risk Cap Invoked.

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)							-1.00E-08	-1.00E-08
URI (ΔCDF)							-1.30E-08	-1.30E-08
PLE							NO	NO
Indicator value							**-2.30E-08**	**-2.30E-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/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							-3.80E-08	-3.80E-08
URI (ΔCDF)							-9.60E-08	-9.60E-08
PLE							NO	NO
Indicator value							**-1.34E-07**	**-1.34E-07**

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/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							5.00E-08	-7.70E-08
URI (ΔCDF)							-5.40E-07	-5.30E-07
PLE							NO	NO
Indicator value							**-4.90E-07**	**-6.07E-07**

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/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							5.40E-08	5.40E-08
URI (ΔCDF)							-6.30E-08	-6.30E-08
PLE							NO	NO
Indicator value							**-9.00E-09**	**-9.00E-09**

Licensee Comments: none

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	0.000023	0.000031	0.000022	0.000024	0.000268	0.000042	0.000035	0.000021	0.000034	0.000030	0.000024	0.000074
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0.000066	0.000022	0.000021	0.000022	0.000027	0.000021	0.000019	0.000020	0.000020	0.000021	0.000025	0.000020
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**
Maximum leakage	2.144	2.454	2.060	1.960	2.410	2.240	2.110	2.024	2.234	2.338	2.233	2.253
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.1**	**8.2**	**6.9**	**6.5**	**8.0**	**7.5**	**7.0**	**6.7**	**7.4**	**7.8**	**7.4**	**7.5**
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	2.040	2.019	2.006	2.008	2.008	2.076	2.016	2.009	2.020	2.013	2.020	2.050
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.8**	**6.7**	**6.7**	**6.7**	**6.7**	**6.9**	**6.7**	**6.7**	**6.7**	**6.7**	**6.7**	**6.8**

Licensee Comments: none

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	23.0	39.0	30.0	58.0	40.0	10.0	20.0	29.0
Total opportunities	23.0	42.0	31.0	59.0	41.0	10.0	20.0	31.0
Indicator value	**96.8%**	**96.3%**	**96.3%**	**96.5%**	**97.3%**	**97.2%**	**97.7%**	**96.9%**

Licensee Comments: none

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	90.0	89.0	98.0	96.0	98.0	100.0	96.0	97.0
Total Key personnel	90.0	89.0	101.0	98.0	99.0	101.0	98.0	98.0
Indicator value	**100.0%**	**100.0%**	**97.0%**	**98.0%**	**99.0%**	**99.0%**	**98.0%**	**99.0%**

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	311	288	287	286	309	287	288	288
Total sirens-tests	312	288	288	288	312	288	288	288
Indicator value	**99.4%**	**99.7%**	**99.7%**	**99.7%**	**99.5%**	**99.4%**	**99.5%**	**99.7%**

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	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	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.

Cooper

4Q/2006 Performance Indicators

Licensee's General Comments: Outage RE23 during this period.

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	1.0	1.0	0	1.0	1.0	0	0
Critical hours	1354.8	2134.9	2134.2	2209.0	2113.4	2131.3	2208.0	1456.7
Indicator value	**0**	**0.9**	**1.9**	**1.8**	**2.4**	**2.4**	**1.6**	**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	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	**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/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned power changes	0	0	0	0	0	0	1.0	1.0
Critical hours	1354.8	2134.9	2134.2	2209.0	2113.4	2131.3	2208.0	1456.7
Indicator value	**3.7**	**1.9**	**1.0**	**0**	**0**	**0**	**0.8**	**1.8**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

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)						2.10E-07	1.30E-07	9.40E-08
URI (ΔCDF)						-8.20E-07	-7.80E-07	-8.60E-07
PLE						NO	NO	NO
Indicator value						**-6.10E-07**	**-6.50E-07**	**-7.66E-07**

Licensee Comments:

4Q/06: Risk Cap Invoked.

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)						-1.00E-08	-1.00E-08	-1.00E-08
URI (ΔCDF)						-1.30E-08	-1.30E-08	-1.30E-08
PLE						NO	NO	NO
Indicator value						**-2.30E-08**	**-2.30E-08**	**-2.30E-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/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-3.80E-08	-3.80E-08	-4.30E-08
URI (ΔCDF)						-9.60E-08	-9.60E-08	-9.20E-08
PLE						NO	NO	NO
Indicator value						**-1.34E-07**	**-1.34E-07**	**-1.35E-07**

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)						5.00E-08	-7.70E-08	-1.20E-07
URI (ΔCDF)						-5.40E-07	-5.30E-07	-5.50E-07
PLE						NO	NO	NO
Indicator value						**-4.90E-07**	**-6.07E-07**	**-6.70E-07**

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)						1.10E-07	1.10E-07	1.10E-07
URI (ΔCDF)						-6.30E-08	-6.30E-08	1.10E-07
PLE						NO	NO	NO
Indicator value						**4.70E-08**	**4.70E-08**	**2.20E-07**

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	0.000024	0.000268	0.000042	0.000035	0.000021	0.000034	0.000030	0.000024	0.000074	0.000066	0.000022	0.000021
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0.000022	0.000027	0.000021	0.000019	0.000020	0.000020	0.000021	0.000025	0.000020	0.000020	0.000026	0.000030
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**
Maximum leakage	1.960	2.410	2.240	2.110	2.024	2.234	2.338	2.233	2.253	2.040	2.019	2.006
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.5**	**8.0**	**7.5**	**7.0**	**6.7**	**7.4**	**7.8**	**7.4**	**7.5**	**6.8**	**6.7**	**6.7**
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	2.008	2.008	2.076	2.016	2.009	2.020	2.013	2.020	2.050	2.060	2.110	2.021
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.7**	**6.7**	**6.9**	**6.7**	**6.7**	**6.7**	**6.7**	**6.7**	**6.8**	**6.9**	**7.0**	**6.7**

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	39.0	30.0	58.0	40.0	10.0	20.0	29.0	23.0
Total opportunities	42.0	31.0	59.0	41.0	10.0	20.0	31.0	23.0
Indicator value	**96.3%**	**96.3%**	**96.5%**	**97.3%**	**97.2%**	**97.7%**	**96.9%**	**96.9%**

Licensee Comments: none

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	89.0	98.0	96.0	98.0	100.0	96.0	97.0	109.0
Total Key personnel	89.0	101.0	98.0	99.0	101.0	98.0	98.0	111.0
Indicator value	**100.0%**	**97.0%**	**98.0%**	**99.0%**	**99.0%**	**98.0%**	**99.0%**	**98.2%**

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	288	287	286	309	287	288	288	309
Total sirens-tests	288	288	288	312	288	288	288	312
Indicator value	**99.7%**	**99.7%**	**99.7%**	**99.5%**	**99.4%**	**99.5%**	**99.7%**	**99.7%**

Licensee Comments: none

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	1	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	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**1**

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.

Cooper

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	1.0	1.0	0	1.0	1.0	0	0	0
Critical hours	2134.9	2134.2	2209.0	2113.4	2131.3	2208.0	1456.7	2159.0
Indicator value	**0.9**	**1.9**	**1.8**	**2.4**	**2.4**	**1.6**	**1.8**	**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	**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/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned power changes	0	0	0	0	0	1.0	1.0	1.0
Critical hours	2134.9	2134.2	2209.0	2113.4	2131.3	2208.0	1456.7	2159.0
Indicator value	**1.9**	**1.0**	**0**	**0**	**0**	**0.8**	**1.8**	**2.6**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Safety System Functional Failures	1	0	0	1	1	0	0	0
Indicator value	**2**	**1**	**1**	**2**	**2**	**2**	**2**	**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/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					2.10E-07	1.30E-07	9.40E-08	9.80E-08
URI (ΔCDF)					-8.20E-07	-7.80E-07	-8.60E-07	2.60E-06
PLE					NO	NO	NO	NO
Indicator value					**-6.10E-07**	**-6.50E-07**	**-7.66E-07**	**2.70E-06**

Licensee Comments:

1Q/07: Risk Cap Invoked.

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)					-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08
URI (ΔCDF)					-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08
PLE					NO	NO	NO	NO
Indicator value					**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-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	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					-3.80E-08	-3.80E-08	-4.30E-08	-4.50E-08
URI (ΔCDF)					-9.60E-08	-9.60E-08	-9.20E-08	-9.20E-08
PLE					NO	NO	NO	NO
Indicator value					**-1.34E-07**	**-1.34E-07**	**-1.35E-07**	**-1.37E-07**

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)					5.00E-08	-7.70E-08	-1.20E-07	-1.20E-07
URI (ΔCDF)					-5.40E-07	-5.30E-07	-5.50E-07	-5.50E-07
PLE					NO	NO	NO	NO
Indicator value					**-4.90E-07**	**-6.07E-07**	**-6.70E-07**	**-6.70E-07**

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)					1.10E-07	1.10E-07	1.10E-07	1.10E-07
URI (ΔCDF)					-6.30E-08	-6.30E-08	1.10E-07	1.10E-07
PLE					NO	NO	NO	NO
Indicator value					**4.70E-08**	**4.70E-08**	**2.20E-07**	**2.20E-07**

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	0.000035	0.000021	0.000034	0.000030	0.000024	0.000074	0.000066	0.000022	0.000021	0.000022	0.000027	0.000021
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0.000019	0.000020	0.000020	0.000021	0.000025	0.000020	0.000020	0.000026	0.000030	0.000026	0.000021	0.000018
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**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	2.110	2.024	2.234	2.338	2.233	2.253	2.040	2.019	2.006	2.008	2.008	2.076
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.0**	**6.7**	**7.4**	**7.8**	**7.4**	**7.5**	**6.8**	**6.7**	**6.7**	**6.7**	**6.7**	**6.9**
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	2.016	2.009	2.020	2.013	2.020	2.050	2.060	2.110	2.021	2.060	2.060	1.973
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.7**	**6.7**	**6.7**	**6.7**	**6.7**	**6.8**	**6.9**	**7.0**	**6.7**	**6.9**	**6.9**	**6.6**

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	30.0	58.0	40.0	10.0	20.0	29.0	23.0	72.0
Total opportunities	31.0	59.0	41.0	10.0	20.0	31.0	23.0	76.0
Indicator value	**96.3%**	**96.5%**	**97.3%**	**97.2%**	**97.7%**	**96.9%**	**96.9%**	**96.9%**

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	98.0	96.0	98.0	100.0	96.0	97.0	109.0	108.0
Total Key personnel	101.0	98.0	99.0	101.0	98.0	98.0	111.0	108.0
Indicator value	**97.0%**	**98.0%**	**99.0%**	**99.0%**	**98.0%**	**99.0%**	**98.2%**	**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	287	286	309	287	288	288	309	288
Total sirens-tests	288	288	312	288	288	288	312	288
Indicator value	**99.7%**	**99.7%**	**99.5%**	**99.4%**	**99.5%**	**99.7%**	**99.7%**	**99.7%**

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	1	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	1	0
Indicator value	**1**	**1**	**1**	**0**	**0**	**0**	**2**	**2**

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

Cooper

2Q/2007 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/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned scrams	1.0	0	1.0	1.0	0	0	0	1.0
Critical hours	2134.2	2209.0	2113.4	2131.3	2208.0	1456.7	2159.0	2123.7
Indicator value	**1.9**	**1.8**	**2.4**	**2.4**	**1.6**	**1.8**	**0.9**	**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	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	**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/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned power changes	0	0	0	0	1.0	1.0	1.0	0
Critical hours	2134.2	2209.0	2113.4	2131.3	2208.0	1456.7	2159.0	2123.7
Indicator value	**1.0**	**0**	**0**	**0**	**0.8**	**1.8**	**2.6**	**2.6**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Safety System Functional Failures	0	0	1	1	0	0	0	1
Indicator value	**1**	**1**	**2**	**2**	**2**	**2**	**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/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				2.10E-07	1.30E-07	9.40E-08	9.80E-08	9.80E-08
URI (ΔCDF)				-8.20E-07	-7.80E-07	-8.60E-07	2.60E-06	2.60E-06
PLE				NO	NO	NO	NO	NO
Indicator value				**-6.10E-07**	**-6.50E-07**	**-7.66E-07**	**2.70E-06**	**2.70E-06**

Licensee Comments:

2Q/07: Risk Cap Invoked.

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)				-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08
URI (ΔCDF)				-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08
PLE				NO	NO	NO	NO	NO
Indicator value				**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-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/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				-3.80E-08	-3.80E-08	-4.30E-08	-4.50E-08	-4.50E-08
URI (ΔCDF)				-9.60E-08	-9.60E-08	-9.20E-08	-9.20E-08	-9.20E-08
PLE				NO	NO	NO	NO	NO
Indicator value				**-1.34E-07**	**-1.34E-07**	**-1.35E-07**	**-1.37E-07**	**-1.37E-07**

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)				5.00E-08	-7.70E-08	-1.20E-07	-1.20E-07	-1.10E-07
URI (ΔCDF)				-5.40E-07	-5.30E-07	-5.50E-07	-5.50E-07	-5.50E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**-4.90E-07**	**-6.07E-07**	**-6.70E-07**	**-6.70E-07**	**-6.60E-07**

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)				1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07
URI (ΔCDF)				-6.30E-08	-6.30E-08	1.10E-07	1.10E-07	1.10E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**4.70E-08**	**4.70E-08**	**2.20E-07**	**2.20E-07**	**2.20E-07**

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	0.000030	0.000024	0.000074	0.000066	0.000022	0.000021	0.000022	0.000027	0.000021	0.000019	0.000020	0.000020
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0.000021	0.000025	0.000020	0.000020	0.000026	0.000030	0.000026	0.000021	0.000018	0.000026	0.000026	0.000016
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**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	2.338	2.233	2.253	2.040	2.019	2.006	2.008	2.008	2.076	2.016	2.009	2.020
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.8**	**7.4**	**7.5**	**6.8**	**6.7**	**6.7**	**6.7**	**6.7**	**6.9**	**6.7**	**6.7**	**6.7**
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	2.013	2.020	2.050	2.060	2.110	2.021	2.060	2.060	1.973	2.028	2.134	2.201
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.7**	**6.7**	**6.8**	**6.9**	**7.0**	**6.7**	**6.9**	**6.9**	**6.6**	**6.8**	**7.1**	**7.3**

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	58.0	40.0	10.0	20.0	29.0	23.0	72.0	59.0
Total opportunities	59.0	41.0	10.0	20.0	31.0	23.0	76.0	61.0
Indicator value	**96.5%**	**97.3%**	**97.2%**	**97.7%**	**96.9%**	**96.9%**	**96.9%**	**96.9%**

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	96.0	98.0	100.0	96.0	97.0	109.0	108.0	100.0
Total Key personnel	98.0	99.0	101.0	98.0	98.0	111.0	108.0	101.0
Indicator value	**98.0%**	**99.0%**	**99.0%**	**98.0%**	**99.0%**	**98.2%**	**100.0%**	**99.0%**

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	286	309	287	288	288	309	288	287
Total sirens-tests	288	312	288	288	288	312	288	288
Indicator value	**99.7%**	**99.5%**	**99.4%**	**99.5%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**

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	1	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	1	0	0
Indicator value	**1**	**1**	**0**	**0**	**0**	**2**	**2**	**2**

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

Cooper

3Q/2007 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/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned scrams	0	1.0	1.0	0	0	0	1.0	0
Critical hours	2209.0	2113.4	2131.3	2208.0	1456.7	2159.0	2123.7	2208.0
Indicator value	**1.8**	**2.4**	**2.4**	**1.6**	**1.8**	**0.9**	**0.9**	**0.9**

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	0	1.0	1.0	1.0	0	0
Critical hours	2209.0	2113.4	2131.3	2208.0	1456.7	2159.0	2123.7	2208.0
Indicator value	**0**	**0**	**0**	**0.8**	**1.8**	**2.6**	**2.6**	**1.8**

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 (BWR)

Thresholds: White > 6.0

Notes

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

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/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			1.00E-07	8.00E-08	8.60E-08	1.00E-07	1.00E-07	1.80E-07
URI (ΔCDF)			-8.20E-07	-7.80E-07	-8.60E-07	2.60E-06	2.60E-06	2.50E-06
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-7.20E-07**	**-7.00E-07**	**-7.74E-07**	**2.70E-06**	**2.70E-06**	**2.68E-06**

Licensee Comments:

3Q/07: Risk Cap Invoked.

2Q/07: Risk Cap Invoked.

1Q/07: Risk Cap Invoked.

4Q/06: Risk Cap Invoked.

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)			-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08
URI (ΔCDF)			-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-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/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			-3.80E-08	-3.80E-08	-4.30E-08	-4.50E-08	-4.50E-08	-4.60E-08
URI (ΔCDF)			-9.60E-08	-9.60E-08	-9.20E-08	-9.20E-08	-9.20E-08	-9.20E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-1.34E-07**	**-1.34E-07**	**-1.35E-07**	**-1.37E-07**	**-1.37E-07**	**-1.38E-07**

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)			5.00E-08	-7.70E-08	-1.20E-07	-1.20E-07	-1.10E-07	-1.10E-07
URI (ΔCDF)			-5.40E-07	-5.30E-07	-5.50E-07	-5.50E-07	-5.50E-07	-5.50E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-4.90E-07**	**-6.07E-07**	**-6.70E-07**	**-6.70E-07**	**-6.60E-07**	**-6.60E-07**

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)			1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07
URI (ΔCDF)			-6.30E-08	-6.30E-08	1.10E-07	1.10E-07	1.10E-07	1.10E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**4.70E-08**	**4.70E-08**	**2.20E-07**	**2.20E-07**	**2.20E-07**	**2.20E-07**

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	0.000066	0.000022	0.000021	0.000022	0.000027	0.000021	0.000019	0.000020	0.000020	0.000021	0.000025	0.000020
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0.000020	0.000026	0.000030	0.000026	0.000021	0.000018	0.000026	0.000026	0.000016	0.000017	0.000017	0.000016
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**
Maximum leakage	2.040	2.019	2.006	2.008	2.008	2.076	2.016	2.009	2.020	2.013	2.020	2.050
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.8**	**6.7**	**6.7**	**6.7**	**6.7**	**6.9**	**6.7**	**6.7**	**6.7**	**6.7**	**6.7**	**6.8**
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	2.060	2.110	2.021	2.060	2.060	1.973	2.028	2.134	2.201	2.184	2.131	2.110
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.9**	**7.0**	**6.7**	**6.9**	**6.9**	**6.6**	**6.8**	**7.1**	**7.3**	**7.3**	**7.1**	**7.0**

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	40.0	10.0	20.0	29.0	23.0	72.0	59.0	31.0
Total opportunities	41.0	10.0	20.0	31.0	23.0	76.0	61.0	35.0
Indicator value	**97.3%**	**97.2%**	**97.7%**	**96.9%**	**96.9%**	**96.9%**	**96.9%**	**95.6%**

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	98.0	100.0	96.0	97.0	109.0	108.0	100.0	101.0
Total Key personnel	99.0	101.0	98.0	98.0	111.0	108.0	101.0	103.0
Indicator value	**99.0%**	**99.0%**	**98.0%**	**99.0%**	**98.2%**	**100.0%**	**99.0%**	**98.1%**

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	309	287	288	288	309	288	287	285
Total sirens-tests	312	288	288	288	312	288	288	288
Indicator value	**99.5%**	**99.4%**	**99.5%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.4%**

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	1	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	1	0	0	0
Indicator value	**1**	**0**	**0**	**0**	**2**	**2**	**2**	**2**

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

Cooper

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	1.0	1.0	0	0	0	1.0	0	0
Critical hours	2113.4	2131.3	2208.0	1456.7	2159.0	2123.7	2208.0	2209.0
Indicator value	**2.4**	**2.4**	**1.6**	**1.8**	**0.9**	**0.9**	**0.9**	**0.8**

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	0	1.0	1.0	1.0	0	0	1.0
Critical hours	2113.4	2131.3	2208.0	1456.7	2159.0	2123.7	2208.0	2209.0
Indicator value	**0**	**0**	**0.8**	**1.8**	**2.6**	**2.6**	**1.8**	**1.6**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Safety System Functional Failures	1	1	0	0	0	1	1	1
Indicator value	**2**	**2**	**2**	**2**	**1**	**1**	**2**	**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	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		1.00E-07	8.00E-08	8.60E-08	1.00E-07	1.00E-07	1.80E-07	1.10E-07
URI (ΔCDF)		-8.20E-07	-7.80E-07	-8.60E-07	2.60E-06	2.60E-06	2.50E-06	-9.00E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-7.20E-07**	**-7.00E-07**	**-7.74E-07**	**2.70E-06**	**2.70E-06**	**2.68E-06**	**-7.90E-07**

Licensee Comments:

4Q/07: Risk Cap Invoked.

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)		-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08
URI (ΔCDF)		-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-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/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		-3.80E-08	-3.80E-08	-4.30E-08	-4.50E-08	-4.50E-08	-4.60E-08	-4.60E-08
URI (ΔCDF)		-9.60E-08	-9.60E-08	-9.20E-08	-9.20E-08	-9.20E-08	-9.20E-08	-9.20E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-1.34E-07**	**-1.34E-07**	**-1.35E-07**	**-1.37E-07**	**-1.37E-07**	**-1.38E-07**	**-1.38E-07**

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)		5.00E-08	-7.70E-08	-1.20E-07	-1.20E-07	-1.10E-07	-1.10E-07	-1.10E-07
URI (ΔCDF)		-5.40E-07	-5.30E-07	-5.50E-07	-5.50E-07	-5.50E-07	-5.50E-07	-5.40E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-4.90E-07**	**-6.07E-07**	**-6.70E-07**	**-6.70E-07**	**-6.60E-07**	**-6.60E-07**	**-6.50E-07**

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)		1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07
URI (ΔCDF)		-6.30E-08	-6.30E-08	1.10E-07	1.10E-07	1.10E-07	1.10E-07	-6.20E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**4.70E-08**	**4.70E-08**	**2.20E-07**	**2.20E-07**	**2.20E-07**	**2.20E-07**	**4.80E-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	0.000022	0.000027	0.000021	0.000019	0.000020	0.000020	0.000021	0.000025	0.000020	0.000020	0.000026	0.000030
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0.000026	0.000021	0.000018	0.000026	0.000026	0.000016	0.000017	0.000017	0.000016	0.000017	0.000021	0.000018
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**
Maximum leakage	2.008	2.008	2.076	2.016	2.009	2.020	2.013	2.020	2.050	2.060	2.110	2.021
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.7**	**6.7**	**6.9**	**6.7**	**6.7**	**6.7**	**6.7**	**6.7**	**6.8**	**6.9**	**7.0**	**6.7**
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	2.060	2.060	1.973	2.028	2.134	2.201	2.184	2.131	2.110	2.117	2.187	2.219
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.9**	**6.9**	**6.6**	**6.8**	**7.1**	**7.3**	**7.3**	**7.1**	**7.0**	**7.1**	**7.3**	**7.4**

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	10.0	20.0	29.0	23.0	72.0	59.0	31.0	32.0
Total opportunities	10.0	20.0	31.0	23.0	76.0	61.0	35.0	33.0
Indicator value	**97.2%**	**97.7%**	**96.9%**	**96.9%**	**96.9%**	**96.9%**	**95.6%**	**95.5%**

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	100.0	96.0	97.0	109.0	108.0	100.0	101.0	99.0
Total Key personnel	101.0	98.0	98.0	111.0	108.0	101.0	103.0	100.0
Indicator value	**99.0%**	**98.0%**	**99.0%**	**98.2%**	**100.0%**	**99.0%**	**98.1%**	**99.0%**

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	287	288	288	309	288	287	285	298
Total sirens-tests	288	288	288	312	288	288	288	312
Indicator value	**99.4%**	**99.5%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.4%**	**98.5%**

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	1	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	1	0	0	0	0
Indicator value	**0**	**0**	**0**	**2**	**2**	**2**	**2**	**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

Cooper

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	1.0	0	0	0	1.0	0	0	0
Critical hours	2131.3	2208.0	1456.7	2159.0	2123.7	2208.0	2209.0	2183.0
Indicator value	**2.4**	**1.6**	**1.8**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**

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	0	1.0	1.0	1.0	0	0	1.0	1.0
Critical hours	2131.3	2208.0	1456.7	2159.0	2123.7	2208.0	2209.0	2183.0
Indicator value	**0**	**0.8**	**1.8**	**2.6**	**2.6**	**1.8**	**1.6**	**1.6**

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 (BWR)

Thresholds: White > 6.0

Notes

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

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)	1.00E-07	8.00E-08	8.60E-08	1.00E-07	1.00E-07	1.80E-07	1.10E-07	1.50E-07
URI (ΔCDF)	-8.20E-07	-7.80E-07	-8.60E-07	2.60E-06	2.60E-06	2.50E-06	-9.00E-07	-8.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.20E-07**	**-7.00E-07**	**-7.74E-07**	**2.70E-06**	**2.70E-06**	**2.68E-06**	**-7.90E-07**	**-7.10E-07**

Licensee Comments:

1Q/08: Risk Cap Invoked.

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)	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08
URI (ΔCDF)	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-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	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**
UAI (ΔCDF)	-3.80E-08	-3.80E-08	-4.30E-08	-4.50E-08	-4.50E-08	-4.60E-08	-4.60E-08	-4.60E-08
URI (ΔCDF)	-9.60E-08	-9.60E-08	-9.20E-08	-9.20E-08	-9.20E-08	-9.20E-08	-9.20E-08	-9.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.34E-07**	**-1.34E-07**	**-1.35E-07**	**-1.37E-07**	**-1.37E-07**	**-1.38E-07**	**-1.38E-07**	**-1.38E-07**

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)	5.00E-08	-7.70E-08	-1.20E-07	-1.20E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07
URI (ΔCDF)	-5.40E-07	-5.30E-07	-5.50E-07	-5.50E-07	-5.50E-07	-5.50E-07	-5.40E-07	-5.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.90E-07**	**-6.07E-07**	**-6.70E-07**	**-6.70E-07**	**-6.60E-07**	**-6.60E-07**	**-6.50E-07**	**-6.20E-07**

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)	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07
URI (ΔCDF)	-6.30E-08	-6.30E-08	1.10E-07	1.10E-07	1.10E-07	1.10E-07	-6.20E-08	-6.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.70E-08**	**4.70E-08**	**2.20E-07**	**2.20E-07**	**2.20E-07**	**2.20E-07**	**4.80E-08**	**4.80E-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	0.000019	0.000020	0.000020	0.000021	0.000025	0.000020	0.000020	0.000026	0.000030	0.000026	0.000021	0.000018
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0.000026	0.000026	0.000016	0.000017	0.000017	0.000016	0.000017	0.000021	0.000018	0.000017	0.000018	0.000021
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	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	2.016	2.009	2.020	2.013	2.020	2.050	2.060	2.110	2.021	2.060	2.060	1.973
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.7**	**6.7**	**6.7**	**6.7**	**6.7**	**6.8**	**6.9**	**7.0**	**6.7**	**6.9**	**6.9**	**6.6**
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	2.028	2.134	2.201	2.184	2.131	2.110	2.117	2.187	2.219	2.300	2.312	2.358
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.8**	**7.1**	**7.3**	**7.3**	**7.1**	**7.0**	**7.1**	**7.3**	**7.4**	**7.7**	**7.7**	**7.9**

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	20.0	29.0	23.0	72.0	59.0	31.0	32.0	50.0
Total opportunities	20.0	31.0	23.0	76.0	61.0	35.0	33.0	51.0
Indicator value	**97.7%**	**96.9%**	**96.9%**	**96.9%**	**96.9%**	**95.6%**	**95.5%**	**95.8%**

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	96.0	97.0	109.0	108.0	100.0	101.0	99.0	107.0
Total Key personnel	98.0	98.0	111.0	108.0	101.0	103.0	100.0	110.0
Indicator value	**98.0%**	**99.0%**	**98.2%**	**100.0%**	**99.0%**	**98.1%**	**99.0%**	**97.3%**

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	288	288	309	288	287	285	298	286
Total sirens-tests	288	288	312	288	288	288	312	288
Indicator value	**99.5%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.4%**	**98.5%**	**98.3%**

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	1	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	1	0	0	0	0	0
Indicator value	**0**	**0**	**2**	**2**	**2**	**2**	**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

Cooper

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	0	0	0	1.0	0	0	0	0
Critical hours	2208.0	1456.7	2159.0	2123.7	2208.0	2209.0	2183.0	1354.8
Indicator value	**1.6**	**1.8**	**0.9**	**0.9**	**0.9**	**0.8**	**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	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned power changes	1.0	1.0	1.0	0	0	1.0	1.0	0
Critical hours	2208.0	1456.7	2159.0	2123.7	2208.0	2209.0	2183.0	1354.8
Indicator value	**0.8**	**1.8**	**2.6**	**2.6**	**1.8**	**1.6**	**1.6**	**1.8**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Safety System Functional Failures	0	0	0	1	1	1	1	0
Indicator value	**2**	**2**	**1**	**1**	**2**	**3**	**4**	**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/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	8.00E-08	8.60E-08	1.00E-07	1.00E-07	1.80E-07	1.10E-07	1.50E-07	1.60E-07
URI (ΔCDF)	-7.80E-07	-8.60E-07	2.60E-06	2.60E-06	2.50E-06	-9.00E-07	-8.60E-07	-8.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.00E-07**	**-7.74E-07**	**2.70E-06**	**2.70E-06**	**2.68E-06**	**-7.90E-07**	**-7.10E-07**	**-7.30E-07**

Licensee Comments:

2Q/08: Risk Cap Invoked.

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)	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08
URI (ΔCDF)	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.20E-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/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**
UAI (ΔCDF)	-3.80E-08	-4.30E-08	-4.50E-08	-4.50E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08
URI (ΔCDF)	-9.60E-08	-9.20E-08	-9.20E-08	-9.20E-08	-9.20E-08	-9.20E-08	-9.20E-08	-8.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.34E-07**	**-1.35E-07**	**-1.37E-07**	**-1.37E-07**	**-1.38E-07**	**-1.38E-07**	**-1.38E-07**	**-1.34E-07**

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)	-7.70E-08	-1.20E-07	-1.20E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.00E-07
URI (ΔCDF)	-5.30E-07	-5.50E-07	-5.50E-07	-5.50E-07	-5.50E-07	-5.40E-07	-5.10E-07	-5.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.07E-07**	**-6.70E-07**	**-6.70E-07**	**-6.60E-07**	**-6.60E-07**	**-6.50E-07**	**-6.20E-07**	**-6.40E-07**

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)	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	2.00E-07
URI (ΔCDF)	-6.30E-08	1.10E-07	1.10E-07	1.10E-07	1.10E-07	-6.20E-08	-6.20E-08	-6.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.70E-08**	**2.20E-07**	**2.20E-07**	**2.20E-07**	**2.20E-07**	**4.80E-08**	**4.80E-08**	**1.38E-07**

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	0.000021	0.000025	0.000020	0.000020	0.000026	0.000030	0.000026	0.000021	0.000018	0.000026	0.000026	0.000016
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0.000017	0.000017	0.000016	0.000017	0.000021	0.000018	0.000017	0.000018	0.000021	0.000017	0.000028	0.000017
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	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	2.013	2.020	2.050	2.060	2.110	2.021	2.060	2.060	1.973	2.028	2.134	2.201
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.7**	**6.7**	**6.8**	**6.9**	**7.0**	**6.7**	**6.9**	**6.9**	**6.6**	**6.8**	**7.1**	**7.3**
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	2.184	2.131	2.110	2.117	2.187	2.219	2.300	2.312	2.358	2.360	1.846	2.090
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.3**	**7.1**	**7.0**	**7.1**	**7.3**	**7.4**	**7.7**	**7.7**	**7.9**	**7.9**	**6.2**	**7.0**

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	29.0	23.0	72.0	59.0	31.0	32.0	50.0	52.0
Total opportunities	31.0	23.0	76.0	61.0	35.0	33.0	51.0	52.0
Indicator value	**96.9%**	**96.9%**	**96.9%**	**96.9%**	**95.6%**	**95.5%**	**95.8%**	**96.1%**

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	97.0	109.0	108.0	100.0	101.0	99.0	107.0	113.0
Total Key personnel	98.0	111.0	108.0	101.0	103.0	100.0	110.0	116.0
Indicator value	**99.0%**	**98.2%**	**100.0%**	**99.0%**	**98.1%**	**99.0%**	**97.3%**	**97.4%**

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	288	309	288	287	285	298	286	285
Total sirens-tests	288	312	288	288	288	312	288	288
Indicator value	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.4%**	**98.5%**	**98.3%**	**98.1%**

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	1	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	1	0	0	0	0	0	0
Indicator value	**0**	**2**	**2**	**2**	**2**	**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.

Cooper

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	1.0	0	0	0	0	1.0
Critical hours	1456.7	2159.0	2123.7	2208.0	2209.0	2183.0	1354.8	2153.9
Indicator value	**1.8**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**0**	**0.9**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

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	1.0	1.0	0	0	1.0	1.0	0	0
Critical hours	1456.7	2159.0	2123.7	2208.0	2209.0	2183.0	1354.8	2153.9
Indicator value	**1.8**	**2.6**	**2.6**	**1.8**	**1.6**	**1.6**	**1.8**	**1.8**

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 (BWR)

Thresholds: White > 6.0

Notes

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

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)	8.60E-08	1.00E-07	1.00E-07	1.80E-07	1.10E-07	1.50E-07	1.60E-07	2.00E-07
URI (ΔCDF)	-8.60E-07	2.60E-06	2.60E-06	2.50E-06	-9.00E-07	-8.60E-07	-8.90E-07	-9.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.74E-07**	**2.70E-06**	**2.70E-06**	**2.68E-06**	**-7.90E-07**	**-7.10E-07**	**-7.30E-07**	**-7.00E-07**

Licensee Comments:

3Q/08: Risk Cap Invoked.

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)	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08
URI (ΔCDF)	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.20E-08	-1.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.20E-08**	**-2.20E-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/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	-4.30E-08	-4.50E-08	-4.50E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08
URI (ΔCDF)	-9.20E-08	-9.20E-08	-9.20E-08	-9.20E-08	-9.20E-08	-9.20E-08	-8.80E-08	-8.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.35E-07**	**-1.37E-07**	**-1.37E-07**	**-1.38E-07**	**-1.38E-07**	**-1.38E-07**	**-1.34E-07**	**-1.34E-07**

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)	-1.20E-07	-1.20E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.00E-07	-1.10E-07
URI (ΔCDF)	-5.50E-07	-5.50E-07	-5.50E-07	-5.50E-07	-5.40E-07	-5.10E-07	-5.40E-07	-5.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.70E-07**	**-6.70E-07**	**-6.60E-07**	**-6.60E-07**	**-6.50E-07**	**-6.20E-07**	**-6.40E-07**	**-6.50E-07**

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)	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	2.00E-07	2.00E-07
URI (ΔCDF)	1.10E-07	1.10E-07	1.10E-07	1.10E-07	-6.20E-08	-6.20E-08	-6.20E-08	-6.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.20E-07**	**2.20E-07**	**2.20E-07**	**2.20E-07**	**4.80E-08**	**4.80E-08**	**1.38E-07**	**1.38E-07**

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	0.000020	0.000026	0.000030	0.000026	0.000021	0.000018	0.000026	0.000026	0.000016	0.000017	0.000017	0.000016
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0.000017	0.000021	0.000018	0.000017	0.000018	0.000021	0.000017	0.000028	0.000017	0.000019	0.000017	0.000017
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum leakage	2.060	2.110	2.021	2.060	2.060	1.973	2.028	2.134	2.201	2.184	2.131	2.110
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.9**	**7.0**	**6.7**	**6.9**	**6.9**	**6.6**	**6.8**	**7.1**	**7.3**	**7.3**	**7.1**	**7.0**
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	2.117	2.187	2.219	2.300	2.312	2.358	2.360	1.846	2.090	2.201	2.263	1.940
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.1**	**7.3**	**7.4**	**7.7**	**7.7**	**7.9**	**7.9**	**6.2**	**7.0**	**7.3**	**7.5**	**6.5**

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	23.0	72.0	59.0	31.0	32.0	50.0	52.0	27.0
Total opportunities	23.0	76.0	61.0	35.0	33.0	51.0	52.0	28.0
Indicator value	**96.9%**	**96.9%**	**96.9%**	**95.6%**	**95.5%**	**95.8%**	**96.1%**	**96.4%**

Licensee Comments: none

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	109.0	108.0	100.0	101.0	99.0	107.0	113.0	108.0
Total Key personnel	111.0	108.0	101.0	103.0	100.0	110.0	116.0	113.0
Indicator value	**98.2%**	**100.0%**	**99.0%**	**98.1%**	**99.0%**	**97.3%**	**97.4%**	**95.6%**

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	309	288	287	285	298	286	285	286
Total sirens-tests	312	288	288	288	312	288	288	288
Indicator value	**99.7%**	**99.7%**	**99.7%**	**99.4%**	**98.5%**	**98.3%**	**98.1%**	**98.2%**

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	1	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	1	0	0	0	0	0	0	0
Indicator value	**2**	**2**	**2**	**2**	**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

Cooper

4Q/2008 Performance Indicators

Licensee's General Comments: After review of drill data against NEI-9902 guidelines and FAQ it was determined that additional drill opportunities existed for August 2007 November 2007. August 2008 data was erroniously cahnged on January 12, 2008 to August 2007 values and needs to be changed back to original August 2008 values.

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	1.0	0	0	0	0	1.0	0
Critical hours	2159.0	2123.7	2208.0	2209.0	2183.0	1354.8	2153.9	2209.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**0**	**0.9**	**0.9**

Licensee Comments: none

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	1.0	0	0	1.0	1.0	0	0	0
Critical hours	2159.0	2123.7	2208.0	2209.0	2183.0	1354.8	2153.9	2209.0
Indicator value	**2.6**	**2.6**	**1.8**	**1.6**	**1.6**	**1.8**	**1.8**	**0.9**

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

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Safety System Functional Failures	0	1	1	1	1	0	0	0
Indicator value	**1**	**1**	**2**	**3**	**4**	**3**	**2**	**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/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	1.00E-07	1.00E-07	1.80E-07	1.10E-07	1.50E-07	1.60E-07	2.00E-07	3.20E-07
URI (ΔCDF)	2.60E-06	2.60E-06	2.50E-06	-9.00E-07	-8.60E-07	-8.90E-07	-9.00E-07	-9.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.70E-06**	**2.70E-06**	**2.68E-06**	**-7.90E-07**	**-7.10E-07**	**-7.30E-07**	**-7.00E-07**	**-6.10E-07**

Licensee Comments:

4Q/08: Risk Cap Invoked.

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)	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.10E-08
URI (ΔCDF)	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.20E-08	-1.20E-08	-2.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.20E-08**	**-2.20E-08**	**-3.50E-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/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	-4.50E-08	-4.50E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08
URI (ΔCDF)	-9.20E-08	-9.20E-08	-9.20E-08	-9.20E-08	-9.20E-08	-8.80E-08	-8.80E-08	-8.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.37E-07**	**-1.37E-07**	**-1.38E-07**	**-1.38E-07**	**-1.38E-07**	**-1.34E-07**	**-1.34E-07**	**-1.34E-07**

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)	-1.20E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.00E-07	-1.10E-07	-1.10E-07
URI (ΔCDF)	-5.50E-07	-5.50E-07	-5.50E-07	-5.40E-07	-5.10E-07	-5.40E-07	-5.40E-07	-5.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.70E-07**	**-6.60E-07**	**-6.60E-07**	**-6.50E-07**	**-6.20E-07**	**-6.40E-07**	**-6.50E-07**	**-6.40E-07**

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)	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	2.00E-07	2.00E-07	2.00E-07
URI (ΔCDF)	1.10E-07	1.10E-07	1.10E-07	-6.20E-08	-6.20E-08	-6.20E-08	-6.20E-08	1.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.20E-07**	**2.20E-07**	**2.20E-07**	**4.80E-08**	**4.80E-08**	**1.38E-07**	**1.38E-07**	**3.20E-07**

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	0.000026	0.000021	0.000018	0.000026	0.000026	0.000016	0.000017	0.000017	0.000016	0.000017	0.000021	0.000018
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0.000017	0.000018	0.000021	0.000017	0.000028	0.000017	0.000019	0.000017	0.000017	0.000015	0.000016	0.000017
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**
Maximum leakage	2.060	2.060	1.973	2.028	2.134	2.201	2.184	2.131	2.110	2.117	2.187	2.219
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.9**	**6.9**	**6.6**	**6.8**	**7.1**	**7.3**	**7.3**	**7.1**	**7.0**	**7.1**	**7.3**	**7.4**
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	2.300	2.312	2.358	2.360	1.846	2.090	2.201	2.263	1.940	1.947	1.919	1.935
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.7**	**7.7**	**7.9**	**7.9**	**6.2**	**7.0**	**7.3**	**7.5**	**6.5**	**6.5**	**6.4**	**6.5**

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	72.0	59.0	29.0	31.0	50.0	52.0	27.0	28.0
Total opportunities	76.0	61.0	33.0	32.0	51.0	52.0	28.0	29.0
Indicator value	**96.9%**	**96.9%**	**95.6%**	**95.5%**	**95.7%**	**96.1%**	**96.3%**	**96.1%**

Licensee Comments: none

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	108.0	100.0	101.0	99.0	107.0	113.0	108.0	125.0
Total Key personnel	108.0	101.0	103.0	100.0	110.0	116.0	113.0	126.0
Indicator value	**100.0%**	**99.0%**	**98.1%**	**99.0%**	**97.3%**	**97.4%**	**95.6%**	**99.2%**

Licensee Comments: none

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	288	287	285	298	286	285	286	311
Total sirens-tests	288	288	288	312	288	288	288	312
Indicator value	**99.7%**	**99.7%**	**99.4%**	**98.5%**	**98.3%**	**98.1%**	**98.2%**	**99.3%**

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	**2**	**2**	**2**	**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

Cooper

1Q/2009 Performance Indicators

Licensee's General Comments: One Run failure has been conservatively taken for the EDG Train A fuel oil transfer system low flow condition documented in CR-CNS-2008-08017 pending final resolution on two (2) outstanding FAQs. The first FAQ involves the introduction of the rubber debris into the Day Tank float operated valve during a test or maintenance while the EDG was inoperable and the second FAQ involves the component boundary for the fuel oil transfer system boundary which currently excludes the Day Tank float operated valve. Favorable resolution (concurrence with) either of the FAQs will result in a retraction of this run failure from the NRC PI.

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	1.0	0	0	0	0	1.0	0	0
Critical hours	2123.7	2208.0	2209.0	2183.0	1354.8	2153.9	2209.0	2038.7
Indicator value	**0.9**	**0.9**	**0.8**	**0.8**	**0**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

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	1.0	1.0	0	0	0	0
Critical hours	2123.7	2208.0	2209.0	2183.0	1354.8	2153.9	2209.0	2038.7
Indicator value	**2.6**	**1.8**	**1.6**	**1.6**	**1.8**	**1.8**	**0.9**	**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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Safety System Functional Failures	1	1	1	1	0	0	0	1
Indicator value	**1**	**2**	**3**	**4**	**3**	**2**	**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/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	1.00E-07	1.80E-07	1.10E-07	1.50E-07	1.60E-07	2.00E-07	3.30E-07	8.50E-08
URI (ΔCDF)	2.60E-06	2.50E-06	-9.00E-07	-8.60E-07	-8.90E-07	-9.00E-07	2.60E-06	3.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.70E-06**	**2.68E-06**	**-7.90E-07**	**-7.10E-07**	**-7.30E-07**	**-7.00E-07**	**2.93E-06**	**4.65E-07**

Licensee Comments:

1Q/09: Changed PRA Parameter(s).

4Q/08: Risk Cap Invoked.

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)	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.10E-08	2.10E-10
URI (ΔCDF)	-1.30E-08	-1.30E-08	-1.30E-08	-1.30E-08	-1.20E-08	-1.20E-08	-2.40E-08	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.20E-08**	**-2.20E-08**	**-3.50E-08**	**-1.40E-07**

Licensee Comments:

1Q/09: 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/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	-4.50E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08	-5.20E-08
URI (ΔCDF)	-9.20E-08	-9.20E-08	-9.20E-08	-9.20E-08	-8.80E-08	-8.80E-08	-8.80E-08	-8.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.37E-07**	**-1.38E-07**	**-1.38E-07**	**-1.38E-07**	**-1.34E-07**	**-1.34E-07**	**-1.34E-07**	**-1.37E-07**

Licensee Comments:

1Q/09: 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/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**
UAI (ΔCDF)	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.00E-07	-1.10E-07	-1.10E-07	-1.80E-08
URI (ΔCDF)	-5.50E-07	-5.50E-07	-5.40E-07	-5.10E-07	-5.40E-07	-5.40E-07	-5.30E-07	-2.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.60E-07**	**-6.60E-07**	**-6.50E-07**	**-6.20E-07**	**-6.40E-07**	**-6.50E-07**	**-6.40E-07**	**-2.28E-07**

Licensee Comments:

1Q/09: 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/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	1.10E-07	1.10E-07	1.10E-07	1.10E-07	2.00E-07	2.00E-07	2.00E-07	7.20E-08
URI (ΔCDF)	1.10E-07	1.10E-07	-6.20E-08	1.20E-07	1.20E-07	1.20E-07	2.90E-07	1.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.20E-07**	**2.20E-07**	**4.80E-08**	**2.30E-07**	**3.20E-07**	**3.20E-07**	**4.90E-07**	**2.62E-07**

Licensee Comments:

1Q/09: Changed PRA Parameter(s).

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	0.000026	0.000026	0.000016	0.000017	0.000017	0.000016	0.000017	0.000021	0.000018	0.000017	0.000018	0.000021
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0.000017	0.000028	0.000017	0.000019	0.000017	0.000017	0.000015	0.000016	0.000017	0.000017	0.000022	0.000027
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**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	2.028	2.134	2.201	2.184	2.131	2.110	2.117	2.187	2.219	2.300	2.312	2.358
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.8**	**7.1**	**7.3**	**7.3**	**7.1**	**7.0**	**7.1**	**7.3**	**7.4**	**7.7**	**7.7**	**7.9**
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	2.360	1.846	2.090	2.201	2.263	1.940	1.947	1.919	1.935	1.979	1.965	1.973
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.9**	**6.2**	**7.0**	**7.3**	**7.5**	**6.5**	**6.5**	**6.4**	**6.5**	**6.6**	**6.6**	**6.6**

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	59.0	29.0	31.0	50.0	52.0	27.0	28.0	35.0
Total opportunities	61.0	33.0	32.0	51.0	52.0	28.0	29.0	36.0
Indicator value	**96.9%**	**95.6%**	**95.5%**	**95.7%**	**96.1%**	**96.3%**	**96.1%**	**96.6%**

Licensee Comments: none

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	100.0	101.0	99.0	107.0	113.0	108.0	125.0	127.0
Total Key personnel	101.0	103.0	100.0	110.0	116.0	113.0	126.0	128.0
Indicator value	**99.0%**	**98.1%**	**99.0%**	**97.3%**	**97.4%**	**95.6%**	**99.2%**	**99.2%**

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	287	285	298	286	285	286	311	281
Total sirens-tests	288	288	312	288	288	288	312	284
Indicator value	**99.7%**	**99.4%**	**98.5%**	**98.3%**	**98.1%**	**98.2%**	**99.3%**	**99.2%**

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	**2**	**2**	**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

Cooper

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	1.0	0	0	0
Critical hours	2208.0	2209.0	2183.0	1354.8	2153.9	2209.0	2038.7	2184.0
Indicator value	**0.9**	**0.8**	**0.8**	**0**	**0.9**	**0.9**	**0.9**	**0.8**

Licensee Comments: none

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	1.0	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	1354.8	2153.9	2209.0	2038.7	2184.0
Indicator value	**1.8**	**1.6**	**1.6**	**1.8**	**1.8**	**0.9**	**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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Safety System Functional Failures	1	1	1	0	0	0	1	0
Indicator value	**2**	**3**	**4**	**3**	**2**	**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/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	1.80E-07	1.10E-07	1.50E-07	1.60E-07	2.00E-07	3.30E-07	8.50E-08	1.10E-07
URI (ΔCDF)	2.50E-06	-9.00E-07	-8.60E-07	-8.90E-07	-9.00E-07	2.60E-06	3.80E-07	3.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.68E-06**	**-7.90E-07**	**-7.10E-07**	**-7.30E-07**	**-7.00E-07**	**2.93E-06**	**4.65E-07**	**5.00E-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)	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.10E-08	2.10E-10	6.60E-09
URI (ΔCDF)	-1.30E-08	-1.30E-08	-1.30E-08	-1.20E-08	-1.20E-08	-2.40E-08	-1.40E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-08**	**-2.30E-08**	**-2.30E-08**	**-2.20E-08**	**-2.20E-08**	**-3.50E-08**	**-1.40E-07**	**-1.33E-07**

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)	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08	-5.20E-08	-5.20E-08
URI (ΔCDF)	-9.20E-08	-9.20E-08	-9.20E-08	-8.80E-08	-8.80E-08	-8.80E-08	-8.50E-08	-8.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.38E-07**	**-1.38E-07**	**-1.38E-07**	**-1.34E-07**	**-1.34E-07**	**-1.34E-07**	**-1.37E-07**	**-1.37E-07**

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)	-1.10E-07	-1.10E-07	-1.10E-07	-1.00E-07	-1.10E-07	-1.10E-07	-1.80E-08	-9.50E-09
URI (ΔCDF)	-5.50E-07	-5.40E-07	-5.10E-07	-5.40E-07	-5.40E-07	-5.30E-07	-2.10E-07	-2.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.60E-07**	**-6.50E-07**	**-6.20E-07**	**-6.40E-07**	**-6.50E-07**	**-6.40E-07**	**-2.28E-07**	**-2.10E-07**

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)	1.10E-07	1.10E-07	1.10E-07	2.00E-07	2.00E-07	2.00E-07	7.20E-08	6.90E-08
URI (ΔCDF)	1.20E-07	-6.20E-08	1.20E-07	1.20E-07	1.20E-07	2.90E-07	1.90E-07	1.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.30E-07**	**4.80E-08**	**2.30E-07**	**3.20E-07**	**3.20E-07**	**4.90E-07**	**2.62E-07**	**2.59E-07**

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	0.000017	0.000017	0.000016	0.000017	0.000021	0.000018	0.000017	0.000018	0.000021	0.000017	0.000028	0.000017
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
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	0.000019	0.000017	0.000017	0.000015	0.000016	0.000017	0.000017	0.000022	0.000027	0.000028	0.000026	0.000021
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**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	2.184	2.131	2.110	2.117	2.187	2.219	2.300	2.312	2.358	2.360	1.846	2.090
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.3**	**7.1**	**7.0**	**7.1**	**7.3**	**7.4**	**7.7**	**7.7**	**7.9**	**7.9**	**6.2**	**7.0**
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	2.201	2.263	1.940	1.947	1.919	1.935	1.979	1.965	1.973	2.030	1.919	1.906
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.3**	**7.5**	**6.5**	**6.5**	**6.4**	**6.5**	**6.6**	**6.6**	**6.6**	**6.8**	**6.4**	**6.4**

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	29.0	31.0	50.0	52.0	27.0	28.0	35.0	47.0
Total opportunities	33.0	32.0	51.0	52.0	28.0	29.0	36.0	48.0
Indicator value	**95.6%**	**95.5%**	**95.7%**	**96.1%**	**96.3%**	**96.1%**	**96.6%**	**96.8%**

Licensee Comments: none

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	101.0	99.0	107.0	113.0	108.0	125.0	127.0	122.0
Total Key personnel	103.0	100.0	110.0	116.0	113.0	126.0	128.0	123.0
Indicator value	**98.1%**	**99.0%**	**97.3%**	**97.4%**	**95.6%**	**99.2%**	**99.2%**	**99.2%**

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	285	298	286	285	286	311	281	285
Total sirens-tests	288	312	288	288	288	312	284	288
Indicator value	**99.4%**	**98.5%**	**98.3%**	**98.1%**	**98.2%**	**99.3%**	**99.2%**	**99.2%**

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	**2**	**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

Cooper

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	1.0	0	0	0	0
Critical hours	2209.0	2183.0	1354.8	2153.9	2209.0	2038.7	2184.0	2088.4
Indicator value	**0.8**	**0.8**	**0**	**0.9**	**0.9**	**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/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned power changes	1.0	1.0	0	0	0	0	0	0
Critical hours	2209.0	2183.0	1354.8	2153.9	2209.0	2038.7	2184.0	2088.4
Indicator value	**1.6**	**1.6**	**1.8**	**1.8**	**0.9**	**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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Safety System Functional Failures	1	1	0	0	0	1	0	0
Indicator value	**3**	**4**	**3**	**2**	**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	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	1.10E-07	1.50E-07	1.60E-07	2.00E-07	3.30E-07	8.50E-08	1.10E-07	1.60E-07
URI (ΔCDF)	-9.00E-07	-8.60E-07	-8.90E-07	-9.00E-07	2.60E-06	3.80E-07	3.90E-07	6.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.90E-07**	**-7.10E-07**	**-7.30E-07**	**-7.00E-07**	**2.93E-06**	**4.65E-07**	**5.00E-07**	**7.60E-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)	-1.00E-08	-1.00E-08	-1.00E-08	-1.00E-08	-1.10E-08	2.10E-10	6.60E-09	3.60E-09
URI (ΔCDF)	-1.30E-08	-1.30E-08	-1.20E-08	-1.20E-08	-2.40E-08	-1.40E-07	-1.40E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-08**	**-2.30E-08**	**-2.20E-08**	**-2.20E-08**	**-3.50E-08**	**-1.40E-07**	**-1.33E-07**	**-1.36E-07**

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)	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08	-5.20E-08	-5.20E-08	-5.20E-08
URI (ΔCDF)	-9.20E-08	-9.20E-08	-8.80E-08	-8.80E-08	-8.80E-08	-8.50E-08	-8.50E-08	-8.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.38E-07**	**-1.38E-07**	**-1.34E-07**	**-1.34E-07**	**-1.34E-07**	**-1.37E-07**	**-1.37E-07**	**-1.37E-07**

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)	-1.10E-07	-1.10E-07	-1.00E-07	-1.10E-07	-1.10E-07	-1.80E-08	-9.50E-09	-8.90E-09
URI (ΔCDF)	-5.40E-07	-5.10E-07	-5.40E-07	-5.40E-07	-5.30E-07	-2.10E-07	-2.00E-07	-2.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.50E-07**	**-6.20E-07**	**-6.40E-07**	**-6.50E-07**	**-6.40E-07**	**-2.28E-07**	**-2.10E-07**	**-2.09E-07**

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)	1.10E-07	1.10E-07	2.00E-07	2.00E-07	2.00E-07	7.20E-08	6.90E-08	6.90E-08
URI (ΔCDF)	-6.20E-08	1.20E-07	1.20E-07	1.20E-07	2.90E-07	1.90E-07	1.90E-07	1.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.80E-08**	**2.30E-07**	**3.20E-07**	**3.20E-07**	**4.90E-07**	**2.62E-07**	**2.59E-07**	**2.59E-07**

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	0.000017	0.000021	0.000018	0.000017	0.000018	0.000021	0.000017	0.000028	0.000017	0.000019	0.000017	0.000017
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0.000015	0.000016	0.000017	0.000017	0.000022	0.000027	0.000028	0.000026	0.000021	0.000020	0.000022	0.000020
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**
Maximum leakage	2.117	2.187	2.219	2.300	2.312	2.358	2.360	1.846	2.090	2.201	2.263	1.940
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.1**	**7.3**	**7.4**	**7.7**	**7.7**	**7.9**	**7.9**	**6.2**	**7.0**	**7.3**	**7.5**	**6.5**
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	1.947	1.919	1.935	1.979	1.965	1.973	2.030	1.919	1.906	1.866	1.867	1.911
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.5**	**6.4**	**6.5**	**6.6**	**6.6**	**6.6**	**6.8**	**6.4**	**6.4**	**6.2**	**6.2**	**6.4**

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	31.0	50.0	52.0	27.0	28.0	35.0	47.0	31.0
Total opportunities	32.0	51.0	52.0	28.0	29.0	36.0	48.0	32.0
Indicator value	**95.5%**	**95.7%**	**96.1%**	**96.3%**	**96.1%**	**96.6%**	**96.8%**	**97.7%**

Licensee Comments: none

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	99.0	107.0	113.0	108.0	125.0	127.0	122.0	119.0
Total Key personnel	100.0	110.0	116.0	113.0	126.0	128.0	123.0	120.0
Indicator value	**99.0%**	**97.3%**	**97.4%**	**95.6%**	**99.2%**	**99.2%**	**99.2%**	**99.2%**

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	298	286	285	286	311	281	285	288
Total sirens-tests	312	288	288	288	312	284	288	288
Indicator value	**98.5%**	**98.3%**	**98.1%**	**98.2%**	**99.3%**	**99.2%**	**99.2%**	**99.4%**

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

Cooper

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	1.0	0	0	0	0	1.0
Critical hours	2183.0	1354.8	2153.9	2209.0	2038.7	2184.0	2088.4	1276.0
Indicator value	**0.8**	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**0**	**0.9**

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	1.0	0	0	0	0	0	0	2.0
Critical hours	2183.0	1354.8	2153.9	2209.0	2038.7	2184.0	2088.4	1276.0
Indicator value	**1.6**	**1.8**	**1.8**	**0.9**	**0**	**0**	**0**	**1.8**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Safety System Functional Failures	1	0	0	0	1	0	0	0
Indicator value	**4**	**3**	**2**	**1**	**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/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (ΔCDF)	1.50E-07	1.60E-07	2.00E-07	3.30E-07	8.50E-08	1.10E-07	1.60E-07	1.90E-07
URI (ΔCDF)	-8.60E-07	-8.90E-07	-9.00E-07	2.60E-06	3.80E-07	3.90E-07	6.00E-07	6.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.10E-07**	**-7.30E-07**	**-7.00E-07**	**2.93E-06**	**4.65E-07**	**5.00E-07**	**7.60E-07**	**8.10E-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)	-1.00E-08	-1.00E-08	-1.00E-08	-1.10E-08	2.10E-10	6.60E-09	3.60E-09	6.70E-08
URI (ΔCDF)	-1.30E-08	-1.20E-08	-1.20E-08	-2.40E-08	-1.40E-07	-1.40E-07	-1.40E-07	3.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-08**	**-2.20E-08**	**-2.20E-08**	**-3.50E-08**	**-1.40E-07**	**-1.33E-07**	**-1.36E-07**	**3.77E-07**

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/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	-4.60E-08	-4.60E-08	-4.60E-08	-4.60E-08	-5.20E-08	-5.20E-08	-5.20E-08	-4.20E-08
URI (ΔCDF)	-9.20E-08	-8.80E-08	-8.80E-08	-8.80E-08	-8.50E-08	-8.50E-08	-8.50E-08	-8.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.38E-07**	**-1.34E-07**	**-1.34E-07**	**-1.34E-07**	**-1.37E-07**	**-1.37E-07**	**-1.37E-07**	**-1.27E-07**

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/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	-1.10E-07	-1.00E-07	-1.10E-07	-1.10E-07	-1.80E-08	-9.50E-09	-8.90E-09	-8.10E-09
URI (ΔCDF)	-5.10E-07	-5.40E-07	-5.40E-07	-5.30E-07	-2.10E-07	-2.00E-07	-2.00E-07	-2.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.20E-07**	**-6.40E-07**	**-6.50E-07**	**-6.40E-07**	**-2.28E-07**	**-2.10E-07**	**-2.09E-07**	**-2.08E-07**

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/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (ΔCDF)	1.10E-07	2.00E-07	2.00E-07	2.00E-07	7.20E-08	6.90E-08	6.90E-08	7.00E-08
URI (ΔCDF)	1.20E-07	1.20E-07	1.20E-07	2.90E-07	1.90E-07	1.90E-07	1.90E-07	7.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.30E-07**	**3.20E-07**	**3.20E-07**	**4.90E-07**	**2.62E-07**	**2.59E-07**	**2.59E-07**	**1.49E-07**

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	0.000017	0.000018	0.000021	0.000017	0.000028	0.000017	0.000019	0.000017	0.000017	0.000015	0.000016	0.000017
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0.000017	0.000022	0.000027	0.000028	0.000026	0.000021	0.000020	0.000022	0.000020	N/A	0.000018	0.000021
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	2.300	2.312	2.358	2.360	1.846	2.090	2.201	2.263	1.940	1.947	1.919	1.935
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.7**	**7.7**	**7.9**	**7.9**	**6.2**	**7.0**	**7.3**	**7.5**	**6.5**	**6.5**	**6.4**	**6.5**
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	1.979	1.965	1.973	2.030	1.919	1.906	1.866	1.867	1.911	N/A	2.221	1.968
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.6**	**6.6**	**6.6**	**6.8**	**6.4**	**6.4**	**6.2**	**6.2**	**6.4**	**N/A**	**7.4**	**6.6**

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	50.0	52.0	27.0	28.0	35.0	47.0	31.0	18.0
Total opportunities	51.0	52.0	28.0	29.0	36.0	48.0	32.0	18.0
Indicator value	**95.7%**	**96.1%**	**96.3%**	**96.1%**	**96.6%**	**96.8%**	**97.7%**	**98.0%**

Licensee Comments: none

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	107.0	113.0	108.0	125.0	127.0	122.0	119.0	126.0
Total Key personnel	110.0	116.0	113.0	126.0	128.0	123.0	120.0	127.0
Indicator value	**97.3%**	**97.4%**	**95.6%**	**99.2%**	**99.2%**	**99.2%**	**99.2%**	**99.2%**

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	286	285	286	311	281	285	288	300
Total sirens-tests	288	288	288	312	284	288	288	300
Indicator value	**98.3%**	**98.1%**	**98.2%**	**99.3%**	**99.2%**	**99.2%**	**99.4%**	**99.5%**

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

Cooper

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	1.0	0	0	0	0	1.0	0
Critical hours	1354.8	2153.9	2209.0	2038.7	2184.0	2088.4	1276.0	2159.0
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**0**	**0.9**	**0.9**

Licensee Comments: none

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	2.0	2.0
Critical hours	1354.8	2153.9	2209.0	2038.7	2184.0	2088.4	1276.0	2159.0
Indicator value	**1.8**	**1.8**	**0.9**	**0**	**0**	**0**	**1.8**	**3.6**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Safety System Functional Failures	0	0	0	1	0	0	0	2
Indicator value	**3**	**2**	**1**	**1**	**1**	**1**	**1**	**2**

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)	1.60E-07	2.00E-07	3.30E-07	8.50E-08	1.10E-07	1.60E-07	1.90E-07	1.17E-07
URI (ΔCDF)	-8.90E-07	-9.00E-07	2.60E-06	3.80E-07	3.90E-07	6.00E-07	6.20E-07	4.06E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.30E-07**	**-7.00E-07**	**2.93E-06**	**4.65E-07**	**5.00E-07**	**7.60E-07**	**8.10E-07**	**5.20E-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)	-1.00E-08	-1.00E-08	-1.10E-08	2.10E-10	6.60E-09	3.60E-09	6.70E-08	7.87E-08
URI (ΔCDF)	-1.20E-08	-1.20E-08	-2.40E-08	-1.40E-07	-1.40E-07	-1.40E-07	3.10E-07	3.06E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-08**	**-2.20E-08**	**-3.50E-08**	**-1.40E-07**	**-1.33E-07**	**-1.36E-07**	**3.77E-07**	**3.90E-07**

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)	-4.60E-08	-4.60E-08	-4.60E-08	-5.20E-08	-5.20E-08	-5.20E-08	-4.20E-08	-3.18E-08
URI (ΔCDF)	-8.80E-08	-8.80E-08	-8.80E-08	-8.50E-08	-8.50E-08	-8.50E-08	-8.50E-08	-8.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.34E-07**	**-1.34E-07**	**-1.34E-07**	**-1.37E-07**	**-1.37E-07**	**-1.37E-07**	**-1.27E-07**	**-1.20E-07**

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)	-1.00E-07	-1.10E-07	-1.10E-07	-1.80E-08	-9.50E-09	-8.90E-09	-8.10E-09	4.86E-08
URI (ΔCDF)	-5.40E-07	-5.40E-07	-5.30E-07	-2.10E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.02E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.40E-07**	**-6.50E-07**	**-6.40E-07**	**-2.28E-07**	**-2.10E-07**	**-2.09E-07**	**-2.08E-07**	**-1.50E-07**

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)	2.00E-07	2.00E-07	2.00E-07	7.20E-08	6.90E-08	6.90E-08	7.00E-08	7.48E-08
URI (ΔCDF)	1.20E-07	1.20E-07	2.90E-07	1.90E-07	1.90E-07	1.90E-07	7.90E-08	7.91E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.20E-07**	**3.20E-07**	**4.90E-07**	**2.62E-07**	**2.59E-07**	**2.59E-07**	**1.49E-07**	**1.50E-07**

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	0.000017	0.000028	0.000017	0.000019	0.000017	0.000017	0.000015	0.000016	0.000017	0.000017	0.000022	0.000027
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0.000028	0.000026	0.000021	0.000020	0.000022	0.000020	N/A	0.000018	0.000021	0.000022	0.000021	0.000024
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**
Maximum leakage	2.360	1.846	2.090	2.201	2.263	1.940	1.947	1.919	1.935	1.979	1.965	1.973
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.9**	**6.2**	**7.0**	**7.3**	**7.5**	**6.5**	**6.5**	**6.4**	**6.5**	**6.6**	**6.6**	**6.6**
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	2.030	1.919	1.906	1.866	1.867	1.911	N/A	2.221	1.968	1.760	1.758	1.667
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.8**	**6.4**	**6.4**	**6.2**	**6.2**	**6.4**	**N/A**	**7.4**	**6.6**	**5.9**	**5.9**	**5.6**

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	52.0	27.0	28.0	35.0	47.0	31.0	18.0	10.0
Total opportunities	52.0	28.0	29.0	36.0	48.0	32.0	18.0	10.0
Indicator value	**96.1%**	**96.3%**	**96.1%**	**96.6%**	**96.8%**	**97.7%**	**98.0%**	**98.0%**

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	113.0	108.0	125.0	127.0	122.0	119.0	126.0	135.0
Total Key personnel	116.0	113.0	126.0	128.0	123.0	120.0	127.0	139.0
Indicator value	**97.4%**	**95.6%**	**99.2%**	**99.2%**	**99.2%**	**99.2%**	**99.2%**	**97.1%**

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	285	286	311	281	285	288	300	288
Total sirens-tests	288	288	312	284	288	288	300	288
Indicator value	**98.1%**	**98.2%**	**99.3%**	**99.2%**	**99.2%**	**99.4%**	**99.5%**	**99.7%**

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

Cooper

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	1.0	0	0	0	0	1.0	0	0
Critical hours	2153.9	2209.0	2038.7	2184.0	2088.4	1276.0	2159.0	2184.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**0**	**0.9**	**0.9**	**0.9**

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	2.0	2.0	1.0
Critical hours	2153.9	2209.0	2038.7	2184.0	2088.4	1276.0	2159.0	2184.0
Indicator value	**1.8**	**0.9**	**0**	**0**	**0**	**1.8**	**3.6**	**4.5**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Safety System Functional Failures	0	0	1	0	0	0	2	0
Indicator value	**2**	**1**	**1**	**1**	**1**	**1**	**2**	**2**

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)	2.02E-07	3.31E-07	8.52E-08	1.14E-07	1.64E-07	1.89E-07	1.17E-07	1.31E-07
URI (ΔCDF)	-9.05E-07	2.55E-06	3.80E-07	3.85E-07	6.04E-07	6.28E-07	4.00E-07	3.98E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.00E-07**	**2.90E-06**	**4.70E-07**	**5.00E-07**	**7.70E-07**	**8.20E-07**	**5.20E-07**	**5.30E-07**

Licensee Comments:

4Q/08: Risk Cap Invoked.

3Q/08: Risk Cap Invoked.

1Q/08: Risk Cap Invoked.

4Q/07: Risk Cap Invoked.

3Q/07: Risk Cap Invoked.

2Q/07: Risk Cap Invoked.

1Q/07: Risk Cap Invoked.

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)	-1.00E-08	-1.10E-08	2.10E-10	6.60E-09	3.60E-09	6.70E-08	7.87E-08	7.79E-08
URI (ΔCDF)	-1.20E-08	-2.40E-08	-1.40E-07	-1.40E-07	-1.40E-07	3.10E-07	3.06E-07	3.06E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-08**	**-3.50E-08**	**-1.40E-07**	**-1.33E-07**	**-1.36E-07**	**3.77E-07**	**3.90E-07**	**3.80E-07**

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)	-4.60E-08	-4.60E-08	-5.20E-08	-5.20E-08	-5.20E-08	-4.20E-08	-3.18E-08	-3.49E-08
URI (ΔCDF)	-8.80E-08	-8.80E-08	-8.50E-08	-8.50E-08	-8.50E-08	-8.50E-08	-8.45E-08	-8.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.34E-07**	**-1.34E-07**	**-1.37E-07**	**-1.37E-07**	**-1.37E-07**	**-1.27E-07**	**-1.20E-07**	**-1.20E-07**

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)	-1.10E-07	-1.10E-07	-1.80E-08	-9.50E-09	-8.90E-09	-8.10E-09	4.86E-08	6.73E-09
URI (ΔCDF)	-5.40E-07	-5.30E-07	-2.10E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.02E-07	-2.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.50E-07**	**-6.40E-07**	**-2.28E-07**	**-2.10E-07**	**-2.09E-07**	**-2.08E-07**	**-1.50E-07**	**-1.90E-07**

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)	2.00E-07	2.00E-07	7.20E-08	6.90E-08	6.90E-08	7.00E-08	7.48E-08	7.46E-08
URI (ΔCDF)	1.20E-07	2.90E-07	1.90E-07	1.90E-07	1.90E-07	7.90E-08	7.91E-08	7.91E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.20E-07**	**4.90E-07**	**2.62E-07**	**2.59E-07**	**2.59E-07**	**1.49E-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	**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	0.000019	0.000017	0.000017	0.000015	0.000016	0.000017	0.000017	0.000022	0.000027	0.000028	0.000026	0.000021
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0.000020	0.000022	0.000020	N/A	0.000018	0.000021	0.000022	0.000021	0.000024	0.000022	0.000023	0.000021
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**N/A**	**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	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**
Maximum leakage	2.201	2.263	1.940	1.947	1.919	1.935	1.979	1.965	1.973	2.030	1.919	1.906
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.3**	**7.5**	**6.5**	**6.5**	**6.4**	**6.5**	**6.6**	**6.6**	**6.6**	**6.8**	**6.4**	**6.4**
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	1.866	1.867	1.911	N/A	2.221	1.968	1.760	1.758	1.667	1.690	1.673	1.686
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.2**	**6.2**	**6.4**	**N/A**	**7.4**	**6.6**	**5.9**	**5.9**	**5.6**	**5.6**	**5.6**	**5.6**

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	27.0	28.0	35.0	47.0	31.0	18.0	10.0	23.0
Total opportunities	28.0	29.0	36.0	48.0	32.0	18.0	10.0	24.0
Indicator value	**96.3%**	**96.1%**	**96.6%**	**96.8%**	**97.7%**	**98.0%**	**98.0%**	**97.3%**

Licensee Comments: none

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	108.0	125.0	127.0	122.0	119.0	126.0	135.0	127.0
Total Key personnel	113.0	126.0	128.0	123.0	120.0	127.0	139.0	131.0
Indicator value	**95.6%**	**99.2%**	**99.2%**	**99.2%**	**99.2%**	**99.2%**	**97.1%**	**96.9%**

Licensee Comments: none

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	286	311	281	285	288	300	288	287
Total sirens-tests	288	312	284	288	288	300	288	288
Indicator value	**98.2%**	**99.3%**	**99.2%**	**99.2%**	**99.4%**	**99.5%**	**99.7%**	**99.9%**

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

Cooper

3Q/2010 Performance Indicators

Licensee's General Comments: 3Q 2010 includes CNS MSPI basis document revision 6 changes to PRA inputs. Specifically, FV and probability for each train and component included in the 5 MSPI functions were revised. Baseline CDF was also revised. The changes to CDF, FV and probability values resulted from an update to the PRA model. The PRA model update was completed during the 2Q of 2010 and prior to the start of 3Q 2010. Thus, MSPI derivations are required to include these changes starting 3Q 2010. No color changes result from these changes.

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	1.0	0	0	0
Critical hours	2209.0	2038.7	2184.0	2088.4	1276.0	2159.0	2184.0	2208.0
Indicator value	**0.9**	**0.9**	**0.8**	**0**	**0.9**	**0.9**	**0.9**	**0.9**

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	2.0	2.0	1.0	0
Critical hours	2209.0	2038.7	2184.0	2088.4	1276.0	2159.0	2184.0	2208.0
Indicator value	**0.9**	**0**	**0**	**0**	**1.8**	**3.6**	**4.5**	**4.5**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Safety System Functional Failures	0	1	0	0	0	2	0	0
Indicator value	**1**	**1**	**1**	**1**	**1**	**2**	**2**	**2**

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)	3.31E-07	8.52E-08	1.14E-07	1.64E-07	1.89E-07	1.17E-07	1.31E-07	1.15E-07
URI (ΔCDF)	2.55E-06	3.80E-07	3.85E-07	6.04E-07	6.28E-07	4.00E-07	3.98E-07	3.92E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.90E-06**	**4.70E-07**	**5.00E-07**	**7.70E-07**	**8.20E-07**	**5.20E-07**	**5.30E-07**	**5.10E-07**

Licensee Comments:

3Q/10: 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/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	-1.10E-08	2.10E-10	6.60E-09	3.60E-09	6.70E-08	7.87E-08	7.79E-08	6.47E-08
URI (ΔCDF)	-2.40E-08	-1.40E-07	-1.40E-07	-1.40E-07	3.10E-07	3.06E-07	3.06E-07	2.35E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.50E-08**	**-1.40E-07**	**-1.33E-07**	**-1.36E-07**	**3.77E-07**	**3.90E-07**	**3.80E-07**	**3.00E-07**

Licensee Comments:

3Q/10: 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/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	-4.60E-08	-5.20E-08	-5.20E-08	-5.20E-08	-4.20E-08	-3.18E-08	-3.49E-08	-1.50E-08
URI (ΔCDF)	-8.80E-08	-8.50E-08	-8.50E-08	-8.50E-08	-8.50E-08	-8.45E-08	-8.45E-08	-8.21E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.34E-07**	**-1.37E-07**	**-1.37E-07**	**-1.37E-07**	**-1.27E-07**	**-1.20E-07**	**-1.20E-07**	**-9.70E-08**

Licensee Comments:

3Q/10: 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/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	-1.10E-07	-1.80E-08	-9.50E-09	-8.90E-09	-8.10E-09	4.86E-08	6.73E-09	5.54E-09
URI (ΔCDF)	-5.30E-07	-2.10E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.02E-07	-2.00E-07	-1.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.40E-07**	**-2.28E-07**	**-2.10E-07**	**-2.09E-07**	**-2.08E-07**	**-1.50E-07**	**-1.90E-07**	**-1.50E-07**

Licensee Comments:

3Q/10: 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/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	2.00E-07	7.20E-08	6.90E-08	6.90E-08	7.00E-08	7.48E-08	7.46E-08	3.10E-08
URI (ΔCDF)	2.90E-07	1.90E-07	1.90E-07	1.90E-07	7.90E-08	7.91E-08	7.91E-08	4.12E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.90E-07**	**2.62E-07**	**2.59E-07**	**2.59E-07**	**1.49E-07**	**1.50E-07**	**1.50E-07**	**7.20E-08**

Licensee Comments:

3Q/10: Changed PRA Parameter(s).

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	0.000015	0.000016	0.000017	0.000017	0.000022	0.000027	0.000028	0.000026	0.000021	0.000020	0.000022	0.000020
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	N/A	0.000018	0.000021	0.000022	0.000021	0.000024	0.000022	0.000023	0.000021	0.000022	0.000019	0.000021
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**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	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum leakage	1.947	1.919	1.935	1.979	1.965	1.973	2.030	1.919	1.906	1.866	1.867	1.911
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.5**	**6.4**	**6.5**	**6.6**	**6.6**	**6.6**	**6.8**	**6.4**	**6.4**	**6.2**	**6.2**	**6.4**
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	N/A	2.221	1.968	1.760	1.758	1.667	1.690	1.673	1.686	1.710	1.718	1.989
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**N/A**	**7.4**	**6.6**	**5.9**	**5.9**	**5.6**	**5.6**	**5.6**	**5.6**	**5.7**	**5.7**	**6.6**

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	28.0	35.0	47.0	31.0	18.0	10.0	23.0	61.0
Total opportunities	29.0	36.0	48.0	32.0	18.0	10.0	24.0	62.0
Indicator value	**96.1%**	**96.6%**	**96.8%**	**97.7%**	**98.0%**	**98.0%**	**97.3%**	**97.7%**

Licensee Comments: none

ERO Drill Participation

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	127.0	122.0	119.0	126.0	135.0	126.0	125.0
Total Key personnel	126.0	128.0	123.0	120.0	127.0	139.0	131.0	125.0
Indicator value	**99.2%**	**99.2%**	**99.2%**	**99.2%**	**99.2%**	**97.1%**	**96.2%**	**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	311	281	285	288	300	288	287	285
Total sirens-tests	312	284	288	288	300	288	288	288
Indicator value	**99.3%**	**99.2%**	**99.2%**	**99.4%**	**99.5%**	**99.7%**	**99.9%**	**99.7%**

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

Cooper

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	1.0	0	0	0	0
Critical hours	2038.7	2184.0	2088.4	1276.0	2159.0	2184.0	2208.0	2209.0
Indicator value	**0.9**	**0.8**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**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	2.0	2.0	1.0	0	0
Critical hours	2038.7	2184.0	2088.4	1276.0	2159.0	2184.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**1.8**	**3.6**	**4.5**	**4.5**	**2.4**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Safety System Functional Failures	1	0	0	0	2	0	0	2
Indicator value	**1**	**1**	**1**	**1**	**2**	**2**	**2**	**4**

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/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (ΔCDF)	8.52E-08	1.14E-07	1.64E-07	1.89E-07	1.17E-07	1.31E-07	1.15E-07	1.47E-07
URI (ΔCDF)	3.80E-07	3.85E-07	6.04E-07	6.28E-07	4.00E-07	3.98E-07	3.92E-07	3.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.70E-07**	**5.00E-07**	**7.70E-07**	**8.20E-07**	**5.20E-07**	**5.30E-07**	**5.10E-07**	**5.40E-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	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (ΔCDF)	2.10E-10	6.60E-09	3.60E-09	6.70E-08	7.87E-08	7.79E-08	6.47E-08	5.11E-08
URI (ΔCDF)	-1.40E-07	-1.40E-07	-1.40E-07	3.10E-07	3.06E-07	3.06E-07	2.35E-07	2.35E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.33E-07**	**-1.36E-07**	**3.77E-07**	**3.90E-07**	**3.80E-07**	**3.00E-07**	**2.90E-07**

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)	-5.20E-08	-5.20E-08	-5.20E-08	-4.20E-08	-3.18E-08	-3.49E-08	-1.50E-08	-1.49E-08
URI (ΔCDF)	-8.50E-08	-8.50E-08	-8.50E-08	-8.50E-08	-8.45E-08	-8.45E-08	-8.21E-08	-8.21E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.37E-07**	**-1.37E-07**	**-1.37E-07**	**-1.27E-07**	**-1.20E-07**	**-1.20E-07**	**-9.70E-08**	**-9.70E-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	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	-1.80E-08	-9.50E-09	-8.90E-09	-8.10E-09	4.86E-08	6.73E-09	5.54E-09	8.74E-09
URI (ΔCDF)	-2.10E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.02E-07	-2.00E-07	-1.53E-07	-1.51E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.28E-07**	**-2.10E-07**	**-2.09E-07**	**-2.08E-07**	**-1.50E-07**	**-1.90E-07**	**-1.50E-07**	**-1.40E-07**

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)	7.20E-08	6.90E-08	6.90E-08	7.00E-08	7.48E-08	7.46E-08	3.10E-08	4.24E-08
URI (ΔCDF)	1.90E-07	1.90E-07	1.90E-07	7.90E-08	7.91E-08	7.91E-08	4.12E-08	4.12E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.62E-07**	**2.59E-07**	**2.59E-07**	**1.49E-07**	**1.50E-07**	**1.50E-07**	**7.20E-08**	**8.40E-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	0.000017	0.000022	0.000027	0.000028	0.000026	0.000021	0.000020	0.000022	0.000020	N/A	0.000018	0.000021
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000022	0.000021	0.000024	0.000022	0.000023	0.000021	0.000022	0.000019	0.000021	0.000023	0.000025	0.000024
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum leakage	1.979	1.965	1.973	2.030	1.919	1.906	1.866	1.867	1.911	N/A	2.221	1.968
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.6**	**6.6**	**6.6**	**6.8**	**6.4**	**6.4**	**6.2**	**6.2**	**6.4**	**N/A**	**7.4**	**6.6**
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	1.760	1.758	1.667	1.690	1.673	1.686	1.710	1.718	1.989	1.699	1.699	1.684
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.9**	**5.9**	**5.6**	**5.6**	**5.6**	**5.6**	**5.7**	**5.7**	**6.6**	**5.7**	**5.7**	**5.6**

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	35.0	47.0	31.0	18.0	10.0	23.0	61.0	20.0
Total opportunities	36.0	48.0	32.0	18.0	10.0	24.0	62.0	20.0
Indicator value	**96.6%**	**96.8%**	**97.7%**	**98.0%**	**98.0%**	**97.3%**	**97.7%**	**98.0%**

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	127.0	122.0	119.0	126.0	135.0	126.0	125.0	125.0
Total Key personnel	128.0	123.0	120.0	127.0	139.0	131.0	125.0	127.0
Indicator value	**99.2%**	**99.2%**	**99.2%**	**99.2%**	**97.1%**	**96.2%**	**100.0%**	**98.4%**

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	281	285	288	300	288	287	285	309
Total sirens-tests	284	288	288	300	288	288	288	312
Indicator value	**99.2%**	**99.2%**	**99.4%**	**99.5%**	**99.7%**	**99.9%**	**99.7%**	**99.4%**

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

Cooper

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	1.0	0	0	0	0	0
Critical hours	2184.0	2088.4	1276.0	2159.0	2184.0	2208.0	2209.0	1705.2
Indicator value	**0.8**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**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	2.0	2.0	1.0	0	0	0
Critical hours	2184.0	2088.4	1276.0	2159.0	2184.0	2208.0	2209.0	1705.2
Indicator value	**0**	**0**	**1.8**	**3.6**	**4.5**	**4.5**	**2.4**	**0.8**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Safety System Functional Failures	0	0	0	2	0	0	2	2
Indicator value	**1**	**1**	**1**	**2**	**2**	**2**	**4**	**4**

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/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	1.14E-07	1.64E-07	1.89E-07	1.17E-07	1.31E-07	1.15E-07	1.47E-07	1.22E-07
URI (ΔCDF)	3.85E-07	6.04E-07	6.28E-07	4.00E-07	3.98E-07	3.92E-07	3.90E-07	2.17E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.00E-07**	**7.70E-07**	**8.20E-07**	**5.20E-07**	**5.30E-07**	**5.10E-07**	**5.40E-07**	**3.40E-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/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	6.60E-09	3.60E-09	6.70E-08	7.87E-08	7.79E-08	6.47E-08	5.11E-08	6.63E-08
URI (ΔCDF)	-1.40E-07	-1.40E-07	3.10E-07	3.06E-07	3.06E-07	2.35E-07	2.35E-07	2.35E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.33E-07**	**-1.36E-07**	**3.77E-07**	**3.90E-07**	**3.80E-07**	**3.00E-07**	**2.90E-07**	**3.00E-07**

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/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	-5.20E-08	-5.20E-08	-4.20E-08	-3.18E-08	-3.49E-08	-1.50E-08	-1.49E-08	-1.47E-08
URI (ΔCDF)	-8.50E-08	-8.50E-08	-8.50E-08	-8.45E-08	-8.45E-08	-8.21E-08	-8.21E-08	-8.21E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.37E-07**	**-1.37E-07**	**-1.27E-07**	**-1.20E-07**	**-1.20E-07**	**-9.70E-08**	**-9.70E-08**	**-9.70E-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/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	-9.50E-09	-8.90E-09	-8.10E-09	4.86E-08	6.73E-09	5.54E-09	8.74E-09	1.11E-08
URI (ΔCDF)	-2.00E-07	-2.00E-07	-2.00E-07	-2.02E-07	-2.00E-07	-1.53E-07	-1.51E-07	-1.53E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-07**	**-2.09E-07**	**-2.08E-07**	**-1.50E-07**	**-1.90E-07**	**-1.50E-07**	**-1.40E-07**	**-1.40E-07**

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/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	6.90E-08	6.90E-08	7.00E-08	7.48E-08	7.46E-08	3.10E-08	4.24E-08	4.72E-08
URI (ΔCDF)	1.90E-07	1.90E-07	7.90E-08	7.91E-08	7.91E-08	4.12E-08	4.12E-08	-1.55E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.59E-07**	**2.59E-07**	**1.49E-07**	**1.50E-07**	**1.50E-07**	**7.20E-08**	**8.40E-08**	**3.20E-08**

Licensee Comments: none

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	0.000028	0.000026	0.000021	0.000020	0.000022	0.000020	N/A	0.000018	0.000021	0.000022	0.000021	0.000024
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**

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	0.000022	0.000023	0.000021	0.000022	0.000019	0.000021	0.000023	0.000025	0.000024	0.000023	0.000017	0.000018
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**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	2.030	1.919	1.906	1.866	1.867	1.911	N/A	2.221	1.968	1.760	1.758	1.667
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.8**	**6.4**	**6.4**	**6.2**	**6.2**	**6.4**	**N/A**	**7.4**	**6.6**	**5.9**	**5.9**	**5.6**
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	1.690	1.673	1.686	1.710	1.718	1.989	1.699	1.699	1.684	1.680	1.747	1.798
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.6**	**5.6**	**5.6**	**5.7**	**5.7**	**6.6**	**5.7**	**5.7**	**5.6**	**5.6**	**5.8**	**6.0**

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	47.0	31.0	18.0	10.0	23.0	61.0	20.0	26.0
Total opportunities	48.0	32.0	18.0	10.0	24.0	62.0	20.0	28.0
Indicator value	**96.8%**	**97.7%**	**98.0%**	**98.0%**	**97.3%**	**97.7%**	**98.0%**	**97.5%**

Licensee Comments: none

ERO Drill Participation

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	122.0	119.0	126.0	135.0	126.0	125.0	125.0	125.0
Total Key personnel	123.0	120.0	127.0	139.0	131.0	125.0	127.0	125.0
Indicator value	**99.2%**	**99.2%**	**99.2%**	**97.1%**	**96.2%**	**100.0%**	**98.4%**	**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	285	288	300	288	287	285	309	287
Total sirens-tests	288	288	300	288	288	288	312	288
Indicator value	**99.2%**	**99.4%**	**99.5%**	**99.7%**	**99.9%**	**99.7%**	**99.4%**	**99.3%**

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

Cooper

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	1.0	0	0	0	0	0	0
Critical hours	2088.4	1276.0	2159.0	2184.0	2208.0	2209.0	1705.2	1307.6
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**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	2.0	2.0	1.0	0	0	0	0
Critical hours	2088.4	1276.0	2159.0	2184.0	2208.0	2209.0	1705.2	1307.6
Indicator value	**0**	**1.8**	**3.6**	**4.5**	**4.5**	**2.4**	**0.8**	**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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Safety System Functional Failures	0	0	2	0	0	2	2	1
Indicator value	**1**	**1**	**2**	**2**	**2**	**4**	**4**	**5**

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)	1.64E-07	1.89E-07	1.17E-07	1.31E-07	1.15E-07	1.47E-07	1.22E-07	1.19E-07
URI (ΔCDF)	6.04E-07	6.28E-07	4.00E-07	3.98E-07	3.92E-07	3.90E-07	2.17E-07	4.49E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.70E-07**	**8.20E-07**	**5.20E-07**	**5.30E-07**	**5.10E-07**	**5.40E-07**	**3.40E-07**	**5.70E-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/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	3.60E-09	6.70E-08	7.87E-08	7.79E-08	6.47E-08	5.11E-08	6.63E-08	5.73E-08
URI (ΔCDF)	-1.40E-07	3.10E-07	3.06E-07	3.06E-07	2.35E-07	2.35E-07	2.35E-07	2.35E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.36E-07**	**3.77E-07**	**3.90E-07**	**3.80E-07**	**3.00E-07**	**2.90E-07**	**3.00E-07**	**2.90E-07**

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)	-5.20E-08	-4.20E-08	-3.18E-08	-3.49E-08	-1.50E-08	-1.49E-08	-1.47E-08	-2.01E-08
URI (ΔCDF)	-8.50E-08	-8.50E-08	-8.45E-08	-8.45E-08	-8.21E-08	-8.21E-08	-8.21E-08	-8.21E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.37E-07**	**-1.27E-07**	**-1.20E-07**	**-1.20E-07**	**-9.70E-08**	**-9.70E-08**	**-9.70E-08**	**-1.00E-07**

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)	-8.90E-09	-8.10E-09	4.86E-08	6.73E-09	5.54E-09	8.74E-09	1.11E-08	1.92E-09
URI (ΔCDF)	-2.00E-07	-2.00E-07	-2.02E-07	-2.00E-07	-1.53E-07	-1.51E-07	-1.53E-07	-1.49E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.09E-07**	**-2.08E-07**	**-1.50E-07**	**-1.90E-07**	**-1.50E-07**	**-1.40E-07**	**-1.40E-07**	**-1.50E-07**

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)	6.90E-08	7.00E-08	7.48E-08	7.46E-08	3.10E-08	4.24E-08	4.72E-08	3.29E-08
URI (ΔCDF)	1.90E-07	7.90E-08	7.91E-08	7.91E-08	4.12E-08	4.12E-08	-1.55E-08	-1.55E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.59E-07**	**1.49E-07**	**1.50E-07**	**1.50E-07**	**7.20E-08**	**8.40E-08**	**3.20E-08**	**1.70E-08**

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	0.000020	0.000022	0.000020	N/A	0.000018	0.000021	0.000022	0.000021	0.000024	0.000022	0.000023	0.000021
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0.000022	0.000019	0.000021	0.000023	0.000025	0.000024	0.000023	0.000017	0.000018	N/A	0.000011	0.000011
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	1.866	1.867	1.911	N/A	2.221	1.968	1.760	1.758	1.667	1.690	1.673	1.686
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.2**	**6.2**	**6.4**	**N/A**	**7.4**	**6.6**	**5.9**	**5.9**	**5.6**	**5.6**	**5.6**	**5.6**
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	1.710	1.718	1.989	1.699	1.699	1.684	1.680	1.747	1.798	0	1.825	1.820
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.7**	**5.7**	**6.6**	**5.7**	**5.7**	**5.6**	**5.6**	**5.8**	**6.0**	**0**	**6.1**	**6.1**

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	31.0	18.0	10.0	23.0	61.0	20.0	26.0	59.0
Total opportunities	32.0	18.0	10.0	24.0	62.0	20.0	28.0	60.0
Indicator value	**97.7%**	**98.0%**	**98.0%**	**97.3%**	**97.7%**	**98.0%**	**97.5%**	**97.6%**

Licensee Comments: none

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	119.0	126.0	135.0	126.0	125.0	125.0	125.0	129.0
Total Key personnel	120.0	127.0	139.0	131.0	125.0	127.0	125.0	129.0
Indicator value	**99.2%**	**99.2%**	**97.1%**	**96.2%**	**100.0%**	**98.4%**	**100.0%**	**100.0%**

Licensee Comments: none

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	288	300	288	287	285	309	287	281
Total sirens-tests	288	300	288	288	288	312	288	288
Indicator value	**99.4%**	**99.5%**	**99.7%**	**99.9%**	**99.7%**	**99.4%**	**99.3%**	**98.8%**

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	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/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

Cooper

3Q/2011 Performance Indicators

Licensee's General Comments: Revised Occupational Exposure Control Effectiveness from 1 to 2. A High Radiation Area required to be controlled by issuance of a Special Work Permit (SWP) was not controlled per requirements. No color change. CR-CNS-2011-09785

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	1.0	0	0	0	0	0	0	0
Critical hours	1276.0	2159.0	2184.0	2208.0	2209.0	1705.2	1307.6	2208.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**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	2.0	2.0	1.0	0	0	0	0	1.0
Critical hours	1276.0	2159.0	2184.0	2208.0	2209.0	1705.2	1307.6	2208.0
Indicator value	**1.8**	**3.6**	**4.5**	**4.5**	**2.4**	**0.8**	**0**	**0.9**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Safety System Functional Failures	0	2	0	0	2	2	1	1
Indicator value	**1**	**2**	**2**	**2**	**4**	**4**	**5**	**6**

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)	1.89E-07	1.17E-07	1.31E-07	1.15E-07	1.47E-07	1.22E-07	1.19E-07	4.93E-09
URI (ΔCDF)	6.28E-07	4.00E-07	3.98E-07	3.92E-07	3.90E-07	2.17E-07	4.49E-07	1.79E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.20E-07**	**5.20E-07**	**5.30E-07**	**5.10E-07**	**5.40E-07**	**3.40E-07**	**5.70E-07**	**2.30E-08**

Licensee Comments:

3Q/11: 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/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	6.70E-08	7.87E-08	7.79E-08	6.47E-08	5.11E-08	6.63E-08	5.73E-08	3.49E-08
URI (ΔCDF)	3.10E-07	3.06E-07	3.06E-07	2.35E-07	2.35E-07	2.35E-07	2.35E-07	2.13E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.77E-07**	**3.90E-07**	**3.80E-07**	**3.00E-07**	**2.90E-07**	**3.00E-07**	**2.90E-07**	**2.50E-07**

Licensee Comments:

3Q/11: 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/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	-4.20E-08	-3.18E-08	-3.49E-08	-1.50E-08	-1.49E-08	-1.47E-08	-2.01E-08	1.87E-08
URI (ΔCDF)	-8.50E-08	-8.45E-08	-8.45E-08	-8.21E-08	-8.21E-08	-8.21E-08	-8.21E-08	-7.54E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.27E-07**	**-1.20E-07**	**-1.20E-07**	**-9.70E-08**	**-9.70E-08**	**-9.70E-08**	**-1.00E-07**	**-5.70E-08**

Licensee Comments:

3Q/11: 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/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	-8.10E-09	4.86E-08	6.73E-09	5.54E-09	8.74E-09	1.11E-08	1.92E-09	1.36E-08
URI (ΔCDF)	-2.00E-07	-2.02E-07	-2.00E-07	-1.53E-07	-1.51E-07	-1.53E-07	-1.49E-07	-1.35E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.08E-07**	**-1.50E-07**	**-1.90E-07**	**-1.50E-07**	**-1.40E-07**	**-1.40E-07**	**-1.50E-07**	**-1.20E-07**

Licensee Comments:

3Q/11: 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/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	7.00E-08	7.48E-08	7.46E-08	3.10E-08	4.24E-08	4.72E-08	3.29E-08	2.93E-08
URI (ΔCDF)	7.90E-08	7.91E-08	7.91E-08	4.12E-08	4.12E-08	-1.55E-08	-1.55E-08	-1.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.49E-07**	**1.50E-07**	**1.50E-07**	**7.20E-08**	**8.40E-08**	**3.20E-08**	**1.70E-08**	**1.50E-08**

Licensee Comments:

3Q/11: Changed PRA Parameter(s).

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	N/A	0.000018	0.000021	0.000022	0.000021	0.000024	0.000022	0.000023	0.000021	0.000022	0.000019	0.000021
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	0.000023	0.000025	0.000024	0.000023	0.000017	0.000018	N/A	0.000011	0.000011	0.000020	0.000011	0.000009
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	N/A	2.221	1.968	1.760	1.758	1.667	1.690	1.673	1.686	1.710	1.718	1.989
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**N/A**	**7.4**	**6.6**	**5.9**	**5.9**	**5.6**	**5.6**	**5.6**	**5.6**	**5.7**	**5.7**	**6.6**
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	1.699	1.699	1.684	1.680	1.747	1.798	0	1.825	1.820	1.788	1.763	1.863
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.7**	**5.7**	**5.6**	**5.6**	**5.8**	**6.0**	**0**	**6.1**	**6.1**	**6.0**	**5.9**	**6.2**

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	18.0	10.0	23.0	61.0	20.0	26.0	59.0	46.0
Total opportunities	18.0	10.0	24.0	62.0	20.0	28.0	60.0	49.0
Indicator value	**98.0%**	**98.0%**	**97.3%**	**97.7%**	**98.0%**	**97.5%**	**97.6%**	**97.0%**

Licensee Comments: none

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	126.0	135.0	126.0	125.0	125.0	125.0	129.0	133.0
Total Key personnel	127.0	139.0	131.0	125.0	127.0	125.0	129.0	136.0
Indicator value	**99.2%**	**97.1%**	**96.2%**	**100.0%**	**98.4%**	**100.0%**	**100.0%**	**97.8%**

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	300	288	287	285	309	287	281	286
Total sirens-tests	300	288	288	288	312	288	288	288
Indicator value	**99.5%**	**99.7%**	**99.9%**	**99.7%**	**99.4%**	**99.3%**	**98.8%**	**98.9%**

Licensee Comments: none

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	2	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**	**2**	**2**

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

Cooper

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	2209.0	1705.2	1307.6	2208.0	2209.0
Indicator value	**0.9**	**0.9**	**0.9**	**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	2.0	1.0	0	0	0	0	1.0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	1705.2	1307.6	2208.0	2209.0
Indicator value	**3.6**	**4.5**	**4.5**	**2.4**	**0.8**	**0**	**0.9**	**0.9**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Safety System Functional Failures	2	0	0	2	2	1	1	1
Indicator value	**2**	**2**	**2**	**4**	**4**	**5**	**6**	**5**

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)	1.17E-07	1.31E-07	1.15E-07	1.47E-07	1.22E-07	1.19E-07	4.93E-09	4.62E-09
URI (ΔCDF)	4.00E-07	3.98E-07	3.92E-07	3.90E-07	2.17E-07	4.49E-07	1.79E-08	1.77E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.20E-07**	**5.30E-07**	**5.10E-07**	**5.40E-07**	**3.40E-07**	**5.70E-07**	**2.30E-08**	**2.20E-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	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	7.87E-08	7.79E-08	6.47E-08	5.11E-08	6.63E-08	5.73E-08	3.49E-08	2.97E-08
URI (ΔCDF)	3.06E-07	3.06E-07	2.35E-07	2.35E-07	2.35E-07	2.35E-07	2.13E-07	2.13E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.90E-07**	**3.80E-07**	**3.00E-07**	**2.90E-07**	**3.00E-07**	**2.90E-07**	**2.50E-07**	**2.40E-07**

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)	-3.18E-08	-3.49E-08	-1.50E-08	-1.49E-08	-1.47E-08	-2.01E-08	1.87E-08	-1.85E-08
URI (ΔCDF)	-8.45E-08	-8.45E-08	-8.21E-08	-8.21E-08	-8.21E-08	-8.21E-08	-7.54E-08	-7.54E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-1.20E-07**	**-9.70E-08**	**-9.70E-08**	**-9.70E-08**	**-1.00E-07**	**-5.70E-08**	**-9.40E-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	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	4.86E-08	6.73E-09	5.54E-09	8.74E-09	1.11E-08	1.92E-09	1.36E-08	2.42E-08
URI (ΔCDF)	-2.02E-07	-2.00E-07	-1.53E-07	-1.51E-07	-1.53E-07	-1.49E-07	-1.35E-07	-1.36E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.90E-07**	**-1.50E-07**	**-1.40E-07**	**-1.40E-07**	**-1.50E-07**	**-1.20E-07**	**-1.10E-07**

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)	7.48E-08	7.46E-08	3.10E-08	4.24E-08	4.72E-08	3.29E-08	2.93E-08	2.93E-08
URI (ΔCDF)	7.91E-08	7.91E-08	4.12E-08	4.12E-08	-1.55E-08	-1.55E-08	-1.47E-08	-6.85E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.50E-07**	**1.50E-07**	**7.20E-08**	**8.40E-08**	**3.20E-08**	**1.70E-08**	**1.50E-08**	**-3.90E-08**

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	0.000022	0.000021	0.000024	0.000022	0.000023	0.000021	0.000022	0.000019	0.000021	0.000023	0.000025	0.000024
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0.000023	0.000017	0.000018	N/A	0.000011	0.000011	0.000020	0.000011	0.000009	0.000011	0.000011	0.000011
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**N/A**	**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	1.760	1.758	1.667	1.690	1.673	1.686	1.710	1.718	1.989	1.699	1.699	1.684
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.9**	**5.9**	**5.6**	**5.6**	**5.6**	**5.6**	**5.7**	**5.7**	**6.6**	**5.7**	**5.7**	**5.6**
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	1.680	1.747	1.798	0	1.825	1.820	1.788	1.763	1.863	1.897	1.796	1.733
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.6**	**5.8**	**6.0**	**0**	**6.1**	**6.1**	**6.0**	**5.9**	**6.2**	**6.3**	**6.0**	**5.8**

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	10.0	23.0	61.0	20.0	26.0	59.0	46.0	28.0
Total opportunities	10.0	24.0	62.0	20.0	28.0	60.0	49.0	28.0
Indicator value	**98.0%**	**97.3%**	**97.7%**	**98.0%**	**97.5%**	**97.6%**	**97.0%**	**97.2%**

Licensee Comments: none

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	135.0	126.0	125.0	125.0	125.0	129.0	133.0	131.0
Total Key personnel	139.0	131.0	125.0	127.0	125.0	129.0	136.0	131.0
Indicator value	**97.1%**	**96.2%**	**100.0%**	**98.4%**	**100.0%**	**100.0%**	**97.8%**	**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	288	287	285	309	287	281	286	297
Total sirens-tests	288	288	288	312	288	288	288	300
Indicator value	**99.7%**	**99.9%**	**99.7%**	**99.4%**	**99.3%**	**98.8%**	**98.9%**	**98.9%**

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	2	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**	**2**	**2**	**2**

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

Cooper

1Q/2012 Performance Indicators

Licensee's General Comments: Change due to revalidation of the May 2011 DEP opportunities. The May 18 2011 PAR failed to meet requirements for both determination and notification and should have been counted as two failures instead of being combined. No color change.

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	2209.0	1705.2	1307.6	2208.0	2209.0	2183.0
Indicator value	**0.9**	**0.9**	**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	1.0	0	0	0	0	1.0	0	1.0
Critical hours	2184.0	2208.0	2209.0	1705.2	1307.6	2208.0	2209.0	2183.0
Indicator value	**4.5**	**4.5**	**2.4**	**0.8**	**0**	**0.9**	**0.9**	**1.8**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Safety System Functional Failures	0	0	2	2	1	1	1	1
Indicator value	**2**	**2**	**4**	**4**	**5**	**6**	**5**	**4**

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/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (ΔCDF)	1.31E-07	1.15E-07	1.47E-07	1.22E-07	1.19E-07	4.93E-09	4.62E-09	3.52E-09
URI (ΔCDF)	3.98E-07	3.92E-07	3.90E-07	2.17E-07	4.49E-07	1.79E-08	1.77E-08	1.88E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.30E-07**	**5.10E-07**	**5.40E-07**	**3.40E-07**	**5.70E-07**	**2.30E-08**	**2.20E-08**	**2.20E-08**

Licensee Comments:

3Q/11: Changed PRA Parameter(s).

3Q/10: 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/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (ΔCDF)	7.79E-08	6.47E-08	5.11E-08	6.63E-08	5.73E-08	3.49E-08	2.97E-08	-1.51E-08
URI (ΔCDF)	3.06E-07	2.35E-07	2.35E-07	2.35E-07	2.35E-07	2.13E-07	2.13E-07	2.13E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.80E-07**	**3.00E-07**	**2.90E-07**	**3.00E-07**	**2.90E-07**	**2.50E-07**	**2.40E-07**	**2.00E-07**

Licensee Comments:

3Q/11: Changed PRA Parameter(s).

3Q/10: 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/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (ΔCDF)	-3.49E-08	-1.50E-08	-1.49E-08	-1.47E-08	-2.01E-08	1.87E-08	-1.85E-08	1.20E-09
URI (ΔCDF)	-8.45E-08	-8.21E-08	-8.21E-08	-8.21E-08	-8.21E-08	-7.54E-08	-7.54E-08	-7.54E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-9.70E-08**	**-9.70E-08**	**-9.70E-08**	**-1.00E-07**	**-5.70E-08**	**-9.40E-08**	**-7.40E-08**

Licensee Comments:

3Q/11: Changed PRA Parameter(s).

3Q/10: 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/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	6.73E-09	5.54E-09	8.74E-09	1.11E-08	1.92E-09	1.36E-08	2.42E-08	2.86E-08
URI (ΔCDF)	-2.00E-07	-1.53E-07	-1.51E-07	-1.53E-07	-1.49E-07	-1.35E-07	9.58E-08	8.92E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-07**	**-1.50E-07**	**-1.40E-07**	**-1.40E-07**	**-1.50E-07**	**-1.20E-07**	**1.20E-07**	**1.20E-07**

Licensee Comments:

3Q/11: Changed PRA Parameter(s).

3Q/10: 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/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	7.46E-08	3.10E-08	4.24E-08	4.72E-08	3.29E-08	2.93E-08	2.93E-08	1.66E-08
URI (ΔCDF)	7.91E-08	4.12E-08	4.12E-08	-1.55E-08	-1.55E-08	-1.47E-08	-6.85E-08	-6.85E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.50E-07**	**7.20E-08**	**8.40E-08**	**3.20E-08**	**1.70E-08**	**1.50E-08**	**-3.90E-08**	**-5.20E-08**

Licensee Comments:

3Q/11: Changed PRA Parameter(s).

3Q/10: Changed PRA Parameter(s).

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	0.000022	0.000023	0.000021	0.000022	0.000019	0.000021	0.000023	0.000025	0.000024	0.000023	0.000017	0.000018
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**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	N/A	0.000011	0.000011	0.000020	0.000011	0.000009	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**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	**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	1.690	1.673	1.686	1.710	1.718	1.989	1.699	1.699	1.684	1.680	1.747	1.798
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.6**	**5.6**	**5.6**	**5.7**	**5.7**	**6.6**	**5.7**	**5.7**	**5.6**	**5.6**	**5.8**	**6.0**
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	1.825	1.820	1.788	1.763	1.863	1.897	1.796	1.733	1.735	1.759	1.696
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**0**	**6.1**	**6.1**	**6.0**	**5.9**	**6.2**	**6.3**	**6.0**	**5.8**	**5.8**	**5.9**	**5.7**

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	23.0	61.0	20.0	26.0	53.0	46.0	28.0	62.0
Total opportunities	24.0	62.0	20.0	28.0	60.0	49.0	28.0	66.0
Indicator value	**97.3%**	**97.7%**	**98.0%**	**97.5%**	**95.3%**	**94.8%**	**95.0%**	**94.7%**

Licensee Comments: none

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	126.0	125.0	125.0	125.0	129.0	133.0	131.0	130.0
Total Key personnel	131.0	125.0	127.0	125.0	129.0	136.0	131.0	130.0
Indicator value	**96.2%**	**100.0%**	**98.4%**	**100.0%**	**100.0%**	**97.8%**	**100.0%**	**100.0%**

Licensee Comments: none

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	287	285	309	287	281	286	297	288
Total sirens-tests	288	288	312	288	288	288	300	288
Indicator value	**99.9%**	**99.7%**	**99.4%**	**99.3%**	**98.8%**	**98.9%**	**98.9%**	**99.0%**

Licensee Comments: none

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	2	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**	**2**	**2**	**2**	**2**

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

Cooper

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	2209.0	1705.2	1307.6	2208.0	2209.0	2183.0	2184.0
Indicator value	**0.9**	**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	1.0	0	1.0	1.0
Critical hours	2208.0	2209.0	1705.2	1307.6	2208.0	2209.0	2183.0	2184.0
Indicator value	**4.5**	**2.4**	**0.8**	**0**	**0.9**	**0.9**	**1.8**	**2.4**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Safety System Functional Failures	0	2	2	1	1	1	1	1
Indicator value	**2**	**4**	**4**	**5**	**6**	**5**	**4**	**4**

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/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	1.15E-07	1.47E-07	1.22E-07	1.19E-07	4.93E-09	4.62E-09	3.52E-09	4.20E-09
URI (ΔCDF)	3.92E-07	3.90E-07	2.17E-07	4.49E-07	1.79E-08	1.77E-08	1.88E-08	2.84E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.10E-07**	**5.40E-07**	**3.40E-07**	**5.70E-07**	**2.30E-08**	**2.20E-08**	**2.20E-08**	**3.30E-08**

Licensee Comments:

3Q/11: Changed PRA Parameter(s).

3Q/10: 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/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	6.47E-08	5.11E-08	6.63E-08	5.73E-08	3.49E-08	2.97E-08	-1.51E-08	2.66E-08
URI (ΔCDF)	2.35E-07	2.35E-07	2.35E-07	2.35E-07	2.13E-07	2.13E-07	2.13E-07	2.13E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.00E-07**	**2.90E-07**	**3.00E-07**	**2.90E-07**	**2.50E-07**	**2.40E-07**	**2.00E-07**	**2.40E-07**

Licensee Comments:

3Q/11: Changed PRA Parameter(s).

3Q/10: 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/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	-1.50E-08	-1.49E-08	-1.47E-08	-2.01E-08	1.87E-08	-1.85E-08	1.20E-09	-9.69E-09
URI (ΔCDF)	-8.21E-08	-8.21E-08	-8.21E-08	-8.21E-08	-7.54E-08	-7.54E-08	-7.54E-08	-7.54E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.70E-08**	**-9.70E-08**	**-9.70E-08**	**-1.00E-07**	**-5.70E-08**	**-9.40E-08**	**-7.40E-08**	**-8.50E-08**

Licensee Comments:

3Q/11: Changed PRA Parameter(s).

3Q/10: 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/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	5.54E-09	8.74E-09	1.11E-08	1.92E-09	1.36E-08	2.42E-08	2.86E-08	1.30E-08
URI (ΔCDF)	-1.53E-07	-1.51E-07	-1.53E-07	-1.49E-07	-1.35E-07	9.58E-08	8.92E-08	8.57E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.40E-07**	**-1.40E-07**	**-1.50E-07**	**-1.20E-07**	**1.20E-07**	**1.20E-07**	**9.90E-08**

Licensee Comments:

3Q/11: Changed PRA Parameter(s).

3Q/10: 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/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	3.10E-08	4.24E-08	4.72E-08	3.29E-08	2.93E-08	2.93E-08	1.66E-08	1.66E-08
URI (ΔCDF)	4.12E-08	4.12E-08	-1.55E-08	-1.55E-08	-1.47E-08	-6.85E-08	-6.85E-08	-6.85E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.20E-08**	**8.40E-08**	**3.20E-08**	**1.70E-08**	**1.50E-08**	**-3.90E-08**	**-5.20E-08**	**-5.20E-08**

Licensee Comments:

3Q/11: Changed PRA Parameter(s).

3Q/10: Changed PRA Parameter(s).

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	0.000022	0.000019	0.000021	0.000023	0.000025	0.000024	0.000023	0.000017	0.000018	N/A	0.000011	0.000011
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000020	0.000011	0.000009	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000012
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	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	1.710	1.718	1.989	1.699	1.699	1.684	1.680	1.747	1.798	0	1.825	1.820
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.7**	**5.7**	**6.6**	**5.7**	**5.7**	**5.6**	**5.6**	**5.8**	**6.0**	**0**	**6.1**	**6.1**
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	1.788	1.763	1.863	1.897	1.796	1.733	1.735	1.759	1.696	1.712	1.700	1.783
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.0**	**5.9**	**6.2**	**6.3**	**6.0**	**5.8**	**5.8**	**5.9**	**5.7**	**5.7**	**5.7**	**5.9**

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	61.0	20.0	26.0	53.0	46.0	28.0	62.0	28.0
Total opportunities	62.0	20.0	28.0	60.0	49.0	28.0	66.0	28.0
Indicator value	**97.7%**	**98.0%**	**97.5%**	**95.3%**	**94.8%**	**95.0%**	**94.7%**	**95.0%**

Licensee Comments: none

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	125.0	125.0	125.0	129.0	133.0	131.0	130.0	124.0
Total Key personnel	125.0	127.0	125.0	129.0	136.0	131.0	130.0	124.0
Indicator value	**100.0%**	**98.4%**	**100.0%**	**100.0%**	**97.8%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

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	285	309	287	281	286	297	288	287
Total sirens-tests	288	312	288	288	288	300	288	288
Indicator value	**99.7%**	**99.4%**	**99.3%**	**98.8%**	**98.9%**	**98.9%**	**99.0%**	**99.5%**

Licensee Comments: none

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	2	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**	**2**	**2**	**2**	**2**	**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.

Cooper

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	2209.0	1705.2	1307.6	2208.0	2209.0	2183.0	2184.0	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	1.0	0	1.0	1.0	0
Critical hours	2209.0	1705.2	1307.6	2208.0	2209.0	2183.0	2184.0	2208.0
Indicator value	**2.4**	**0.8**	**0**	**0.9**	**0.9**	**1.8**	**2.4**	**1.6**

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 > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Safety System Functional Failures	2	2	1	1	1	1	1	0
Indicator value	**4**	**4**	**5**	**6**	**5**	**4**	**4**	**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/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (ΔCDF)	1.47E-07	1.22E-07	1.19E-07	4.93E-09	4.62E-09	3.52E-09	4.20E-09	2.03E-09
URI (ΔCDF)	3.90E-07	2.17E-07	4.49E-07	1.79E-08	1.77E-08	1.88E-08	2.84E-08	1.88E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.40E-07**	**3.40E-07**	**5.70E-07**	**2.30E-08**	**2.20E-08**	**2.20E-08**	**3.30E-08**	**2.10E-08**

Licensee Comments:

3Q/11: 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/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	5.11E-08	6.63E-08	5.73E-08	3.49E-08	2.97E-08	-1.51E-08	2.66E-08	3.29E-08
URI (ΔCDF)	2.35E-07	2.35E-07	2.35E-07	2.13E-07	2.13E-07	2.13E-07	2.13E-07	2.13E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.90E-07**	**3.00E-07**	**2.90E-07**	**2.50E-07**	**2.40E-07**	**2.00E-07**	**2.40E-07**	**2.50E-07**

Licensee Comments:

3Q/11: 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/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	-1.49E-08	-1.47E-08	-2.01E-08	1.87E-08	-1.85E-08	1.20E-09	-9.69E-09	1.96E-08
URI (ΔCDF)	-8.21E-08	-8.21E-08	-8.21E-08	-7.54E-08	-7.54E-08	-7.54E-08	-7.54E-08	-5.17E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.70E-08**	**-9.70E-08**	**-1.00E-07**	**-5.70E-08**	**-9.40E-08**	**-7.40E-08**	**-8.50E-08**	**1.40E-08**

Licensee Comments:

3Q/11: 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/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	8.74E-09	1.11E-08	1.92E-09	1.36E-08	2.42E-08	2.86E-08	1.30E-08	1.91E-08
URI (ΔCDF)	-1.51E-07	-1.53E-07	-1.49E-07	-1.35E-07	9.58E-08	8.92E-08	8.57E-08	8.15E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.40E-07**	**-1.50E-07**	**-1.20E-07**	**1.20E-07**	**1.20E-07**	**9.90E-08**	**1.00E-07**

Licensee Comments:

3Q/11: 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/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	4.24E-08	4.72E-08	3.29E-08	2.93E-08	2.93E-08	1.66E-08	1.66E-08	1.65E-08
URI (ΔCDF)	4.12E-08	-1.55E-08	-1.55E-08	-1.47E-08	-6.85E-08	-6.85E-08	-6.85E-08	-6.85E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.40E-08**	**3.20E-08**	**1.70E-08**	**1.50E-08**	**-3.90E-08**	**-5.20E-08**	**-5.20E-08**	**-5.20E-08**

Licensee Comments:

3Q/11: Changed PRA Parameter(s).

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	0.000023	0.000025	0.000024	0.000023	0.000017	0.000018	N/A	0.000011	0.000011	0.000020	0.000011	0.000009
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000012	0.000011	0.000012	0.000012
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum leakage	1.699	1.699	1.684	1.680	1.747	1.798	0	1.825	1.820	1.788	1.763	1.863
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.7**	**5.7**	**5.6**	**5.6**	**5.8**	**6.0**	**0**	**6.1**	**6.1**	**6.0**	**5.9**	**6.2**
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	1.897	1.796	1.733	1.735	1.759	1.696	1.712	1.700	1.783	1.788	1.902	1.721
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.3**	**6.0**	**5.8**	**5.8**	**5.9**	**5.7**	**5.7**	**5.7**	**5.9**	**6.0**	**6.3**	**5.7**

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	20.0	26.0	53.0	46.0	28.0	62.0	28.0	30.0
Total opportunities	20.0	28.0	60.0	49.0	28.0	66.0	28.0	30.0
Indicator value	**98.0%**	**97.5%**	**95.3%**	**94.8%**	**95.0%**	**94.7%**	**95.0%**	**94.8%**

Licensee Comments: none

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	125.0	125.0	129.0	133.0	131.0	130.0	124.0	122.0
Total Key personnel	127.0	125.0	129.0	136.0	131.0	130.0	124.0	124.0
Indicator value	**98.4%**	**100.0%**	**100.0%**	**97.8%**	**100.0%**	**100.0%**	**100.0%**	**98.4%**

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	309	287	281	286	297	288	287	288
Total sirens-tests	312	288	288	288	300	288	288	288
Indicator value	**99.4%**	**99.3%**	**98.8%**	**98.9%**	**98.9%**	**99.0%**	**99.5%**	**99.7%**

Licensee Comments: none

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	2	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**	**2**	**2**	**2**	**2**	**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

Cooper

4Q/2012 Performance Indicators

Licensee's General Comments: One of the four opportunities in the 12-18-12 Team 3a Drill was re-evaluated and determined to be a failure and not a success.

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	1705.2	1307.6	2208.0	2209.0	2183.0	2184.0	2208.0	1121.9
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	1.0	0	1.0	1.0	0	1.0
Critical hours	1705.2	1307.6	2208.0	2209.0	2183.0	2184.0	2208.0	1121.9
Indicator value	**0.8**	**0**	**0.9**	**0.9**	**1.8**	**2.4**	**1.6**	**2.7**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Safety System Functional Failures	2	1	1	1	1	1	0	2
Indicator value	**4**	**5**	**6**	**5**	**4**	**4**	**3**	**4**

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/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	1.22E-07	1.19E-07	4.93E-09	4.62E-09	3.52E-09	4.20E-09	2.03E-09	2.06E-09
URI (ΔCDF)	2.17E-07	4.49E-07	1.79E-08	1.77E-08	1.88E-08	2.84E-08	1.88E-08	1.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.40E-07**	**5.70E-07**	**2.30E-08**	**2.20E-08**	**2.20E-08**	**3.30E-08**	**2.10E-08**	**2.00E-08**

Licensee Comments:

3Q/11: 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/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	6.63E-08	5.73E-08	3.49E-08	2.97E-08	-1.51E-08	2.66E-08	3.29E-08	1.64E-09
URI (ΔCDF)	2.35E-07	2.35E-07	2.13E-07	2.13E-07	2.13E-07	2.13E-07	2.13E-07	-9.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.00E-07**	**2.90E-07**	**2.50E-07**	**2.40E-07**	**2.00E-07**	**2.40E-07**	**2.50E-07**	**-9.70E-08**

Licensee Comments:

3Q/11: 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/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	-1.47E-08	-2.01E-08	1.87E-08	-1.85E-08	1.20E-09	-9.69E-09	1.96E-08	7.41E-09
URI (ΔCDF)	-8.21E-08	-8.21E-08	-7.54E-08	-7.54E-08	-7.54E-08	-7.54E-08	-5.17E-09	-5.17E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.70E-08**	**-1.00E-07**	**-5.70E-08**	**-9.40E-08**	**-7.40E-08**	**-8.50E-08**	**1.40E-08**	**2.20E-09**

Licensee Comments:

3Q/11: 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/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	1.11E-08	1.92E-09	1.36E-08	2.42E-08	2.86E-08	1.30E-08	1.91E-08	1.45E-08
URI (ΔCDF)	-1.53E-07	-1.49E-07	-1.35E-07	9.58E-08	8.92E-08	8.57E-08	8.15E-08	7.87E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.50E-07**	**-1.20E-07**	**1.20E-07**	**1.20E-07**	**9.90E-08**	**1.00E-07**	**9.30E-08**

Licensee Comments:

3Q/11: 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/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**
UAI (ΔCDF)	4.72E-08	3.29E-08	2.93E-08	2.93E-08	1.66E-08	1.66E-08	1.65E-08	1.66E-08
URI (ΔCDF)	-1.55E-08	-1.55E-08	-1.47E-08	-6.85E-08	-6.85E-08	-6.85E-08	-6.85E-08	-6.78E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.20E-08**	**1.70E-08**	**1.50E-08**	**-3.90E-08**	**-5.20E-08**	**-5.20E-08**	**-5.20E-08**	**-5.10E-08**

Licensee Comments:

3Q/11: Changed PRA Parameter(s).

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	0.000023	0.000017	0.000018	N/A	0.000011	0.000011	0.000020	0.000011	0.000009	0.000011	0.000011	0.000011
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**N/A**	**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	0.000011	0.000011	0.000011	0.000011	0.000011	0.000012	0.000011	0.000012	0.000012	0.000009	N/A	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	1.680	1.747	1.798	0	1.825	1.820	1.788	1.763	1.863	1.897	1.796	1.733
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.6**	**5.8**	**6.0**	**0**	**6.1**	**6.1**	**6.0**	**5.9**	**6.2**	**6.3**	**6.0**	**5.8**
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	1.735	1.759	1.696	1.712	1.700	1.783	1.788	1.902	1.721	1.682	1.615	1.671
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.8**	**5.9**	**5.7**	**5.7**	**5.7**	**5.9**	**6.0**	**6.3**	**5.7**	**5.6**	**5.4**	**5.6**

Licensee Comments: none

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	26.0	53.0	46.0	28.0	62.0	28.0	30.0	19.0
Total opportunities	28.0	60.0	49.0	28.0	66.0	28.0	30.0	20.0
Indicator value	**97.5%**	**95.3%**	**94.8%**	**95.0%**	**94.7%**	**95.0%**	**94.8%**	**94.5%**

Licensee Comments: none

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	125.0	129.0	133.0	131.0	130.0	124.0	122.0	130.0
Total Key personnel	125.0	129.0	136.0	131.0	130.0	124.0	124.0	131.0
Indicator value	**100.0%**	**100.0%**	**97.8%**	**100.0%**	**100.0%**	**100.0%**	**98.4%**	**99.2%**

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	287	281	286	297	288	287	288	312
Total sirens-tests	288	288	288	300	288	288	288	312
Indicator value	**99.3%**	**98.8%**	**98.9%**	**98.9%**	**99.0%**	**99.5%**	**99.7%**	**99.9%**

Licensee Comments: none

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	2	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**	**2**	**2**	**2**	**2**	**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.

Cooper

1Q/2013 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/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	1307.6	2208.0	2209.0	2183.0	2184.0	2208.0	1121.9	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	1.0	0	1.0	1.0	0	1.0	0
Critical hours	1307.6	2208.0	2209.0	2183.0	2184.0	2208.0	1121.9	2159.0
Indicator value	**0**	**0.9**	**0.9**	**1.8**	**2.4**	**1.6**	**2.7**	**1.8**

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 > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Safety System Functional Failures	1	1	1	1	1	0	2	0
Indicator value	**5**	**6**	**5**	**4**	**4**	**3**	**4**	**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	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	1.19E-07	4.93E-09	4.62E-09	3.52E-09	4.20E-09	2.03E-09	2.06E-09	2.07E-09
URI (ΔCDF)	4.49E-07	1.79E-08	1.77E-08	1.88E-08	2.84E-08	1.88E-08	1.80E-08	1.79E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.70E-07**	**2.30E-08**	**2.20E-08**	**2.20E-08**	**3.30E-08**	**2.10E-08**	**2.00E-08**	**2.00E-08**

Licensee Comments:

3Q/11: 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/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	5.73E-08	3.49E-08	2.97E-08	-1.51E-08	2.66E-08	3.29E-08	1.64E-09	-2.14E-08
URI (ΔCDF)	2.35E-07	2.13E-07	2.13E-07	2.13E-07	2.13E-07	2.13E-07	-9.90E-08	-9.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.90E-07**	**2.50E-07**	**2.40E-07**	**2.00E-07**	**2.40E-07**	**2.50E-07**	**-9.70E-08**	**-1.20E-07**

Licensee Comments:

3Q/11: 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/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	-2.01E-08	1.87E-08	-1.85E-08	1.20E-09	-9.69E-09	1.96E-08	7.41E-09	-3.83E-10
URI (ΔCDF)	-8.21E-08	-7.54E-08	-7.54E-08	-7.54E-08	-7.54E-08	-5.17E-09	-5.17E-09	-5.17E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-07**	**-5.70E-08**	**-9.40E-08**	**-7.40E-08**	**-8.50E-08**	**1.40E-08**	**2.20E-09**	**-5.60E-09**

Licensee Comments:

3Q/11: 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/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	1.92E-09	1.36E-08	2.42E-08	2.86E-08	1.30E-08	1.91E-08	1.45E-08	5.84E-09
URI (ΔCDF)	-1.49E-07	-1.35E-07	9.58E-08	8.92E-08	8.57E-08	8.15E-08	7.87E-08	7.03E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.20E-07**	**1.20E-07**	**1.20E-07**	**9.90E-08**	**1.00E-07**	**9.30E-08**	**7.60E-08**

Licensee Comments:

3Q/11: 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/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	3.29E-08	2.93E-08	2.93E-08	1.66E-08	1.66E-08	1.65E-08	1.66E-08	2.73E-08
URI (ΔCDF)	-1.55E-08	-1.47E-08	-6.85E-08	-6.85E-08	-6.85E-08	-6.85E-08	-6.78E-08	-6.78E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.70E-08**	**1.50E-08**	**-3.90E-08**	**-5.20E-08**	**-5.20E-08**	**-5.20E-08**	**-5.10E-08**	**-4.00E-08**

Licensee Comments:

3Q/11: Changed PRA Parameter(s).

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	N/A	0.000011	0.000011	0.000020	0.000011	0.000009	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0.000011	0.000011	0.000012	0.000011	0.000012	0.000012	0.000009	N/A	0.000010	0.000011	0.000008	0.000011
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	1.825	1.820	1.788	1.763	1.863	1.897	1.796	1.733	1.735	1.759	1.696
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**0**	**6.1**	**6.1**	**6.0**	**5.9**	**6.2**	**6.3**	**6.0**	**5.8**	**5.8**	**5.9**	**5.7**

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	1.712	1.700	1.783	1.788	1.902	1.721	1.682	1.615	1.671	1.699	1.702	1.720
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.7**	**5.7**	**5.9**	**6.0**	**6.3**	**5.7**	**5.6**	**5.4**	**5.6**	**5.7**	**5.7**	**5.7**

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	53.0	46.0	28.0	62.0	28.0	30.0	19.0	17.0
Total opportunities	60.0	49.0	28.0	66.0	28.0	30.0	20.0	18.0
Indicator value	**95.3%**	**94.8%**	**95.0%**	**94.7%**	**95.0%**	**94.8%**	**94.5%**	**94.6%**

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	129.0	133.0	131.0	130.0	124.0	122.0	130.0	128.0
Total Key personnel	129.0	136.0	131.0	130.0	124.0	124.0	131.0	129.0
Indicator value	**100.0%**	**97.8%**	**100.0%**	**100.0%**	**100.0%**	**98.4%**	**99.2%**	**99.2%**

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	281	286	297	288	287	288	312	288
Total sirens-tests	288	288	300	288	288	288	312	288
Indicator value	**98.8%**	**98.9%**	**98.9%**	**99.0%**	**99.5%**	**99.7%**	**99.9%**	**99.9%**

Licensee Comments: none

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	2	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**	**2**	**2**	**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

Cooper

2Q/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	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	2184.0	2208.0	1121.9	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	1.0	0	1.0	1.0	0	1.0	0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	2208.0	1121.9	2159.0	2184.0
Indicator value	**0.9**	**0.9**	**1.8**	**2.4**	**1.6**	**2.7**	**1.8**	**0.9**

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 > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Safety System Functional Failures	1	1	1	1	0	2	0	0
Indicator value	**6**	**5**	**4**	**4**	**3**	**4**	**3**	**2**

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)	4.93E-09	4.62E-09	3.52E-09	4.20E-09	2.03E-09	2.06E-09	2.07E-09	2.76E-09
URI (ΔCDF)	1.79E-08	1.77E-08	1.88E-08	2.84E-08	1.88E-08	1.80E-08	1.79E-08	2.86E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.30E-08**	**2.20E-08**	**2.20E-08**	**3.30E-08**	**2.10E-08**	**2.00E-08**	**2.00E-08**	**3.10E-08**

Licensee Comments:

3Q/11: 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/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**
UAI (ΔCDF)	3.49E-08	2.97E-08	-1.51E-08	2.66E-08	3.29E-08	1.64E-09	-2.14E-08	-8.41E-09
URI (ΔCDF)	2.13E-07	2.13E-07	2.13E-07	2.13E-07	2.13E-07	-9.90E-08	-9.90E-08	-9.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.50E-07**	**2.40E-07**	**2.00E-07**	**2.40E-07**	**2.50E-07**	**-9.70E-08**	**-1.20E-07**	**-1.10E-07**

Licensee Comments:

3Q/11: 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/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**
UAI (ΔCDF)	1.87E-08	-1.85E-08	1.20E-09	-9.69E-09	1.96E-08	7.41E-09	-3.83E-10	-3.83E-10
URI (ΔCDF)	-7.54E-08	-7.54E-08	-7.54E-08	-7.54E-08	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.70E-08**	**-9.40E-08**	**-7.40E-08**	**-8.50E-08**	**1.40E-08**	**2.20E-09**	**-5.60E-09**	**-5.60E-09**

Licensee Comments:

3Q/11: 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)	1.36E-08	2.42E-08	2.86E-08	1.30E-08	1.91E-08	1.45E-08	5.84E-09	9.68E-09
URI (ΔCDF)	-1.35E-07	9.58E-08	8.92E-08	8.57E-08	8.15E-08	7.87E-08	7.03E-08	6.88E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**1.20E-07**	**1.20E-07**	**9.90E-08**	**1.00E-07**	**9.30E-08**	**7.60E-08**	**7.80E-08**

Licensee Comments:

3Q/11: 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)	2.93E-08	2.93E-08	1.66E-08	1.66E-08	1.65E-08	1.66E-08	2.73E-08	3.24E-08
URI (ΔCDF)	-1.47E-08	-6.85E-08	-6.85E-08	-6.85E-08	-6.85E-08	-6.78E-08	-6.78E-08	-6.78E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.50E-08**	**-3.90E-08**	**-5.20E-08**	**-5.20E-08**	**-5.20E-08**	**-5.10E-08**	**-4.00E-08**	**-3.50E-08**

Licensee Comments:

3Q/11: 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	0.000020	0.000011	0.000009	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000012
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0.000011	0.000012	0.000012	0.000009	N/A	0.000010	0.000011	0.000008	0.000011	0.000012	0.000007	0.000011
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**N/A**	**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	1.894	1.867	1.956	1.992	1.891	1.825	1.823	1.846	1.790	1.773	1.754	1.844
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.3**	**6.2**	**6.5**	**6.6**	**6.3**	**6.1**	**6.1**	**6.2**	**6.0**	**5.9**	**5.8**	**6.1**
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	1.848	1.986	1.770	1.724	1.615	1.714	1.753	1.774	1.805	1.818	1.865	1.853
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.2**	**6.6**	**5.9**	**5.7**	**5.4**	**5.7**	**5.8**	**5.9**	**6.0**	**6.1**	**6.2**	**6.2**

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	46.0	28.0	62.0	28.0	30.0	20.0	18.0	35.0
Total opportunities	49.0	28.0	66.0	28.0	30.0	21.0	19.0	37.0
Indicator value	**94.8%**	**95.0%**	**94.7%**	**95.0%**	**94.8%**	**94.5%**	**94.7%**	**96.0%**

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	133.0	131.0	130.0	124.0	122.0	130.0	128.0	128.0
Total Key personnel	136.0	131.0	130.0	124.0	124.0	131.0	129.0	130.0
Indicator value	**97.8%**	**100.0%**	**100.0%**	**100.0%**	**98.4%**	**99.2%**	**99.2%**	**98.5%**

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	286	297	288	287	288	312	288	286
Total sirens-tests	288	300	288	288	288	312	288	288
Indicator value	**98.9%**	**98.9%**	**99.0%**	**99.5%**	**99.7%**	**99.9%**	**99.9%**	**99.8%**

Licensee Comments: none

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	**2**	**2**	**2**	**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

Cooper

3Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: The failure reported for the DG2 Jacket Water leak has been determined NOT to be a MSPI failure.

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	2184.0	2208.0	1121.9	2159.0	2184.0	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/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned power changes	0	1.0	1.0	0	1.0	0	0	0
Critical hours	2209.0	2183.0	2184.0	2208.0	1121.9	2159.0	2184.0	2208.0
Indicator value	**0.9**	**1.8**	**2.4**	**1.6**	**2.7**	**1.8**	**0.9**	**0.9**

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 > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Safety System Functional Failures	1	1	1	0	2	0	0	0
Indicator value	**5**	**4**	**4**	**3**	**4**	**3**	**2**	**2**

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)	4.62E-09	3.52E-09	4.20E-09	2.03E-09	2.06E-09	2.07E-09	2.76E-09	1.76E-09
URI (ΔCDF)	1.77E-08	1.88E-08	2.84E-08	1.88E-08	1.80E-08	1.79E-08	2.73E-08	2.81E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.20E-08**	**2.20E-08**	**3.30E-08**	**2.10E-08**	**2.00E-08**	**2.00E-08**	**3.00E-08**	**3.00E-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	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	2.97E-08	-1.51E-08	2.66E-08	3.29E-08	1.64E-09	-2.14E-08	-8.41E-09	-4.52E-08
URI (ΔCDF)	2.13E-07	2.13E-07	2.13E-07	2.13E-07	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.40E-07**	**2.00E-07**	**2.40E-07**	**2.50E-07**	**-9.70E-08**	**-1.20E-07**	**-1.10E-07**	**-1.40E-07**

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/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	-1.85E-08	1.20E-09	-9.69E-09	1.96E-08	7.41E-09	-3.83E-10	-3.83E-10	-1.41E-08
URI (ΔCDF)	-7.54E-08	-7.54E-08	-7.54E-08	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.40E-08**	**-7.40E-08**	**-8.50E-08**	**1.40E-08**	**2.20E-09**	**-5.60E-09**	**-5.60E-09**	**-1.90E-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/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	2.42E-08	2.86E-08	1.30E-08	1.91E-08	1.45E-08	5.84E-09	9.68E-09	8.69E-09
URI (ΔCDF)	9.58E-08	8.92E-08	8.57E-08	8.15E-08	7.87E-08	7.03E-08	6.88E-08	7.09E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-07**	**1.20E-07**	**9.90E-08**	**1.00E-07**	**9.30E-08**	**7.60E-08**	**7.80E-08**	**8.00E-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/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	2.93E-08	1.66E-08	1.66E-08	1.65E-08	1.66E-08	2.73E-08	3.24E-08	3.58E-08
URI (ΔCDF)	-6.85E-08	-6.85E-08	-6.85E-08	-6.85E-08	-6.78E-08	-6.78E-08	-6.78E-08	-6.78E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.90E-08**	**-5.20E-08**	**-5.20E-08**	**-5.20E-08**	**-5.10E-08**	**-4.00E-08**	**-3.50E-08**	**-3.20E-08**

Licensee Comments: none

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	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000011	0.000012	0.000011	0.000012	0.000012
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**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	0.000009	N/A	0.000010	0.000011	0.000008	0.000011	0.000012	0.000007	0.000011	0.000011	0.000011	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**N/A**	**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	1.992	1.891	1.825	1.823	1.846	1.790	1.773	1.754	1.844	1.848	1.986	1.770
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.6**	**6.3**	**6.1**	**6.1**	**6.2**	**6.0**	**5.9**	**5.8**	**6.1**	**6.2**	**6.6**	**5.9**
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	1.724	1.615	1.714	1.753	1.774	1.805	1.818	1.865	1.853	1.858	1.875	1.854
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.7**	**5.4**	**5.7**	**5.8**	**5.9**	**6.0**	**6.1**	**6.2**	**6.2**	**6.2**	**6.3**	**6.2**

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	28.0	62.0	28.0	30.0	20.0	18.0	35.0	34.0
Total opportunities	28.0	66.0	28.0	30.0	21.0	19.0	37.0	35.0
Indicator value	**95.0%**	**94.7%**	**95.0%**	**94.8%**	**94.5%**	**94.7%**	**96.0%**	**96.6%**

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	131.0	130.0	124.0	122.0	130.0	128.0	128.0	124.0
Total Key personnel	131.0	130.0	124.0	124.0	131.0	129.0	130.0	125.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**98.4%**	**99.2%**	**99.2%**	**98.5%**	**99.2%**

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	297	288	287	288	312	288	286	288
Total sirens-tests	300	288	288	288	312	288	288	288
Indicator value	**98.9%**	**99.0%**	**99.5%**	**99.7%**	**99.9%**	**99.9%**	**99.8%**	**99.8%**

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	**2**	**2**	**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

Cooper

4Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: No comments this month.

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	0
Critical hours	2183.0	2184.0	2208.0	1121.9	2159.0	2184.0	2208.0	2209.0
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/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned power changes	1.0	1.0	0	1.0	0	0	0	0
Critical hours	2183.0	2184.0	2208.0	1121.9	2159.0	2184.0	2208.0	2209.0
Indicator value	**1.8**	**2.4**	**1.6**	**2.7**	**1.8**	**0.9**	**0.9**	**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 > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Safety System Functional Failures	1	1	0	2	0	0	0	0
Indicator value	**4**	**4**	**3**	**4**	**3**	**2**	**2**	**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)	3.52E-09	4.20E-09	2.03E-09	2.06E-09	2.07E-09	2.76E-09	1.76E-09	3.38E-09
URI (ΔCDF)	1.88E-08	2.84E-08	1.88E-08	1.80E-08	1.79E-08	2.73E-08	2.81E-08	3.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.20E-08**	**3.30E-08**	**2.10E-08**	**2.00E-08**	**2.00E-08**	**3.00E-08**	**3.00E-08**	**4.10E-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	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	-1.51E-08	2.66E-08	3.29E-08	1.64E-09	-2.14E-08	-8.41E-09	-4.52E-08	-4.52E-08
URI (ΔCDF)	2.13E-07	2.13E-07	2.13E-07	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.00E-07**	**2.40E-07**	**2.50E-07**	**-9.70E-08**	**-1.20E-07**	**-1.10E-07**	**-1.40E-07**	**-1.40E-07**

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/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	1.20E-09	-9.69E-09	1.96E-08	7.41E-09	-3.83E-10	-3.83E-10	-1.41E-08	-1.41E-08
URI (ΔCDF)	-7.54E-08	-7.54E-08	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.40E-08**	**-8.50E-08**	**1.40E-08**	**2.20E-09**	**-5.60E-09**	**-5.60E-09**	**-1.90E-08**	**-1.90E-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/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	2.86E-08	1.30E-08	1.91E-08	1.45E-08	5.84E-09	9.68E-09	8.69E-09	7.30E-09
URI (ΔCDF)	8.92E-08	8.57E-08	8.15E-08	7.87E-08	7.03E-08	6.88E-08	7.09E-08	6.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-07**	**9.90E-08**	**1.00E-07**	**9.30E-08**	**7.60E-08**	**7.80E-08**	**8.00E-08**	**7.40E-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/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	1.66E-08	1.66E-08	1.65E-08	1.66E-08	2.73E-08	3.24E-08	3.58E-08	2.90E-08
URI (ΔCDF)	-6.85E-08	-6.85E-08	-6.85E-08	-6.78E-08	-6.78E-08	-6.78E-08	-6.78E-08	-6.78E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.20E-08**	**-5.20E-08**	**-5.20E-08**	**-5.10E-08**	**-4.00E-08**	**-3.50E-08**	**-3.20E-08**	**-3.90E-08**

Licensee Comments: none

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	0.000011	0.000011	0.000011	0.000011	0.000011	0.000012	0.000011	0.000012	0.000012	0.000009	N/A	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000011	0.000008	0.000011	0.000012	0.000007	0.000011	0.000011	0.000011	0.000007	0.000011	0.000006	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**
Maximum leakage	1.823	1.846	1.790	1.773	1.754	1.844	1.848	1.986	1.770	1.724	1.615	1.714
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.1**	**6.2**	**6.0**	**5.9**	**5.8**	**6.1**	**6.2**	**6.6**	**5.9**	**5.7**	**5.4**	**5.7**
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	1.753	1.774	1.805	1.818	1.865	1.853	1.858	1.875	1.854	1.808	1.739	1.773
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.8**	**5.9**	**6.0**	**6.1**	**6.2**	**6.2**	**6.2**	**6.3**	**6.2**	**6.0**	**5.8**	**5.9**

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	62.0	28.0	30.0	20.0	18.0	35.0	34.0	51.0
Total opportunities	66.0	28.0	30.0	21.0	19.0	37.0	35.0	52.0
Indicator value	**94.7%**	**95.0%**	**94.8%**	**94.5%**	**94.7%**	**96.0%**	**96.6%**	**96.5%**

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	130.0	124.0	122.0	130.0	128.0	128.0	124.0	126.0
Total Key personnel	130.0	124.0	124.0	131.0	129.0	130.0	125.0	127.0
Indicator value	**100.0%**	**100.0%**	**98.4%**	**99.2%**	**99.2%**	**98.5%**	**99.2%**	**99.2%**

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	288	287	288	312	288	286	288	310
Total sirens-tests	288	288	288	312	288	288	288	312
Indicator value	**99.0%**	**99.5%**	**99.7%**	**99.9%**	**99.9%**	**99.8%**	**99.8%**	**99.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

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	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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

Cooper

1Q/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	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	1121.9	2159.0	2184.0	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/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned power changes	1.0	0	1.0	0	0	0	0	1.0
Critical hours	2184.0	2208.0	1121.9	2159.0	2184.0	2208.0	2209.0	2159.0
Indicator value	**2.4**	**1.6**	**2.7**	**1.8**	**0.9**	**0.9**	**0**	**0.8**

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 > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Safety System Functional Failures	1	0	2	0	0	0	0	0
Indicator value	**4**	**3**	**4**	**3**	**2**	**2**	**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)	4.20E-09	2.03E-09	2.06E-09	2.07E-09	2.76E-09	1.76E-09	3.38E-09	3.35E-09
URI (ΔCDF)	2.84E-08	1.88E-08	1.80E-08	1.79E-08	2.73E-08	2.81E-08	2.86E-08	2.87E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.30E-08**	**2.10E-08**	**2.00E-08**	**2.00E-08**	**3.00E-08**	**3.00E-08**	**3.20E-08**	**3.20E-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	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	2.66E-08	3.29E-08	1.64E-09	-2.14E-08	-8.41E-09	-4.52E-08	-4.52E-08	-4.53E-08
URI (ΔCDF)	2.13E-07	2.13E-07	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.40E-07**	**2.50E-07**	**-9.70E-08**	**-1.20E-07**	**-1.10E-07**	**-1.40E-07**	**-1.40E-07**	**-1.40E-07**

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/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	-9.69E-09	1.96E-08	7.41E-09	-3.83E-10	-3.83E-10	-1.41E-08	-1.41E-08	-1.47E-08
URI (ΔCDF)	-7.54E-08	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.50E-08**	**1.40E-08**	**2.20E-09**	**-5.60E-09**	**-5.60E-09**	**-1.90E-08**	**-1.90E-08**	**-2.00E-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/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	1.30E-08	1.91E-08	1.45E-08	5.84E-09	9.68E-09	8.69E-09	7.30E-09	1.32E-08
URI (ΔCDF)	8.57E-08	8.15E-08	7.87E-08	7.03E-08	6.88E-08	7.09E-08	6.71E-08	6.85E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.90E-08**	**1.00E-07**	**9.30E-08**	**7.60E-08**	**7.80E-08**	**8.00E-08**	**7.40E-08**	**8.20E-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	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	1.66E-08	1.65E-08	1.66E-08	2.73E-08	3.24E-08	3.58E-08	2.90E-08	3.93E-08
URI (ΔCDF)	-6.85E-08	-6.85E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.20E-08**	**-5.20E-08**	**-5.00E-08**	**-4.00E-08**	**-3.50E-08**	**-3.10E-08**	**-3.80E-08**	**-2.80E-08**

Licensee Comments: none

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	0.000011	0.000011	0.000012	0.000011	0.000012	0.000012	0.000009	N/A	0.000010	0.000011	0.000008	0.000011
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000012	0.000007	0.000011	0.000011	0.000011	0.000007	0.000011	0.000006	0.000007	0.000007	0.000009	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**
Maximum leakage	1.773	1.754	1.844	1.848	1.986	1.770	1.724	1.615	1.714	1.753	1.774	1.805
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.9**	**5.8**	**6.1**	**6.2**	**6.6**	**5.9**	**5.7**	**5.4**	**5.7**	**5.8**	**5.9**	**6.0**
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	1.818	1.865	1.853	1.858	1.875	1.854	1.808	1.739	1.773	1.784	1.801	1.876
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.1**	**6.2**	**6.2**	**6.2**	**6.3**	**6.2**	**6.0**	**5.8**	**5.9**	**5.9**	**6.0**	**6.3**

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	28.0	30.0	20.0	18.0	35.0	34.0	51.0	47.0
Total opportunities	28.0	30.0	21.0	19.0	37.0	35.0	52.0	53.0
Indicator value	**95.0%**	**94.8%**	**94.5%**	**94.7%**	**96.0%**	**96.6%**	**96.5%**	**95.6%**

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	124.0	122.0	130.0	128.0	128.0	124.0	126.0	124.0
Total Key personnel	124.0	124.0	131.0	129.0	130.0	125.0	127.0	124.0
Indicator value	**100.0%**	**98.4%**	**99.2%**	**99.2%**	**98.5%**	**99.2%**	**99.2%**	**100.0%**

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	287	288	312	288	286	288	310	287
Total sirens-tests	288	288	312	288	288	288	312	288
Indicator value	**99.5%**	**99.7%**	**99.9%**	**99.9%**	**99.8%**	**99.8%**	**99.7%**	**99.6%**

Licensee Comments: none

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	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/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

Cooper

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	0	0	0
Critical hours	2208.0	1121.9	2159.0	2184.0	2208.0	2209.0	2159.0	2042.0
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/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned power changes	0	1.0	0	0	0	0	1.0	0
Critical hours	2208.0	1121.9	2159.0	2184.0	2208.0	2209.0	2159.0	2042.0
Indicator value	**1.6**	**2.7**	**1.8**	**0.9**	**0.9**	**0**	**0.8**	**0.8**

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 > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Safety System Functional Failures	0	2	0	0	0	0	0	1
Indicator value	**3**	**4**	**3**	**2**	**2**	**0**	**0**	**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/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	2.03E-09	2.06E-09	2.07E-09	2.76E-09	1.76E-09	3.38E-09	3.35E-09	4.16E-09
URI (ΔCDF)	1.88E-08	1.80E-08	1.79E-08	2.86E-08	2.94E-08	2.99E-08	3.02E-08	2.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.10E-08**	**2.00E-08**	**2.00E-08**	**3.10E-08**	**3.10E-08**	**3.30E-08**	**3.40E-08**	**2.60E-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/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	3.29E-08	1.64E-09	-2.14E-08	-8.41E-09	-4.52E-08	-4.52E-08	-4.53E-08	-3.56E-08
URI (ΔCDF)	2.13E-07	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.50E-07**	**-9.70E-08**	**-1.20E-07**	**-1.10E-07**	**-1.40E-07**	**-1.40E-07**	**-1.40E-07**	**-1.30E-07**

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/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	1.96E-08	7.41E-09	-3.83E-10	-3.83E-10	-1.41E-08	-1.41E-08	-1.47E-08	-1.57E-08
URI (ΔCDF)	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-08**	**2.20E-09**	**-5.60E-09**	**-5.60E-09**	**-1.90E-08**	**-1.90E-08**	**-2.00E-08**	**-2.10E-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/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	1.91E-08	1.45E-08	5.84E-09	9.68E-09	8.69E-09	7.30E-09	1.32E-08	1.07E-08
URI (ΔCDF)	8.15E-08	7.87E-08	7.03E-08	6.88E-08	7.09E-08	6.71E-08	6.85E-08	7.81E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-07**	**9.30E-08**	**7.60E-08**	**7.80E-08**	**8.00E-08**	**7.40E-08**	**8.20E-08**	**8.90E-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/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	1.65E-08	1.66E-08	2.73E-08	3.24E-08	3.58E-08	2.90E-08	3.93E-08	3.82E-08
URI (ΔCDF)	-6.85E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.20E-08**	**-5.00E-08**	**-4.00E-08**	**-3.50E-08**	**-3.10E-08**	**-3.80E-08**	**-2.80E-08**	**-2.90E-08**

Licensee Comments: none

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	0.000011	0.000012	0.000012	0.000009	N/A	0.000010	0.000011	0.000008	0.000011	0.000012	0.000007	0.000011
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**N/A**	**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	0.000011	0.000011	0.000007	0.000011	0.000006	0.000007	0.000007	0.000009	0.000010	0.000011	0.000010	0.000009
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**
Maximum leakage	1.848	1.986	1.770	1.724	1.615	1.714	1.753	1.774	1.805	1.818	1.865	1.853
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.2**	**6.6**	**5.9**	**5.7**	**5.4**	**5.7**	**5.8**	**5.9**	**6.0**	**6.1**	**6.2**	**6.2**
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	1.858	1.875	1.854	1.808	1.739	1.773	1.784	1.801	1.876	2.139	5.638	1.842
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.2**	**6.3**	**6.2**	**6.0**	**5.8**	**5.9**	**5.9**	**6.0**	**6.3**	**7.1**	**18.8**	**6.1**

Licensee Comments: none

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	30.0	20.0	18.0	35.0	34.0	51.0	47.0	20.0
Total opportunities	30.0	21.0	19.0	37.0	35.0	52.0	53.0	20.0
Indicator value	**94.8%**	**94.5%**	**94.7%**	**96.0%**	**96.6%**	**96.5%**	**95.6%**	**95.5%**

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	122.0	130.0	128.0	128.0	124.0	126.0	124.0	116.0
Total Key personnel	124.0	131.0	129.0	130.0	125.0	127.0	124.0	116.0
Indicator value	**98.4%**	**99.2%**	**99.2%**	**98.5%**	**99.2%**	**99.2%**	**100.0%**	**100.0%**

Licensee Comments: none

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	288	312	288	286	288	310	287	286
Total sirens-tests	288	312	288	288	288	312	288	288
Indicator value	**99.7%**	**99.9%**	**99.9%**	**99.8%**	**99.8%**	**99.7%**	**99.6%**	**99.6%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

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	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/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

Cooper

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	0	0	0	0
Critical hours	1121.9	2159.0	2184.0	2208.0	2209.0	2159.0	2042.0	2132.0
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/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned power changes	1.0	0	0	0	0	1.0	0	0
Critical hours	1121.9	2159.0	2184.0	2208.0	2209.0	2159.0	2042.0	2132.0
Indicator value	**2.7**	**1.8**	**0.9**	**0.9**	**0**	**0.8**	**0.8**	**0.8**

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 > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Safety System Functional Failures	2	0	0	0	0	0	1	0
Indicator value	**4**	**3**	**2**	**2**	**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	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	2.06E-09	2.07E-09	2.76E-09	1.76E-09	3.38E-09	3.35E-09	4.16E-09	4.53E-09
URI (ΔCDF)	1.80E-08	1.79E-08	2.86E-08	2.94E-08	2.99E-08	3.02E-08	2.18E-08	2.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.00E-08**	**2.00E-08**	**3.10E-08**	**3.10E-08**	**3.30E-08**	**3.40E-08**	**2.60E-08**	**2.60E-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	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	1.64E-09	-2.14E-08	-8.41E-09	-4.52E-08	-4.52E-08	-4.53E-08	-3.56E-08	-3.72E-08
URI (ΔCDF)	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.70E-08**	**-1.20E-07**	**-1.10E-07**	**-1.40E-07**	**-1.40E-07**	**-1.40E-07**	**-1.30E-07**	**-1.40E-07**

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/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	7.41E-09	-3.83E-10	-3.83E-10	-1.41E-08	-1.41E-08	-1.47E-08	-1.57E-08	-1.56E-08
URI (ΔCDF)	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.20E-09**	**-5.60E-09**	**-5.60E-09**	**-1.90E-08**	**-1.90E-08**	**-2.00E-08**	**-2.10E-08**	**-2.10E-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/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	1.45E-08	5.84E-09	9.68E-09	8.69E-09	7.30E-09	1.32E-08	1.07E-08	6.35E-09
URI (ΔCDF)	7.87E-08	7.03E-08	6.88E-08	7.09E-08	6.71E-08	6.85E-08	7.81E-08	7.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.30E-08**	**7.60E-08**	**7.80E-08**	**8.00E-08**	**7.40E-08**	**8.20E-08**	**8.90E-08**	**8.30E-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/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	1.66E-08	2.73E-08	3.24E-08	3.58E-08	2.90E-08	3.93E-08	3.82E-08	3.83E-08
URI (ΔCDF)	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.00E-08**	**-4.00E-08**	**-3.50E-08**	**-3.10E-08**	**-3.80E-08**	**-2.80E-08**	**-2.90E-08**	**-2.90E-08**

Licensee Comments: none

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	0.000009	N/A	0.000010	0.000011	0.000008	0.000011	0.000012	0.000007	0.000011	0.000011	0.000011	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**N/A**	**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	0.000011	0.000006	0.000007	0.000007	0.000009	0.000010	0.000011	0.000010	0.000009	0.000009	0.000010	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**
Maximum leakage	1.724	1.615	1.714	1.753	1.774	1.805	1.818	1.865	1.853	1.858	1.875	1.854
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.7**	**5.4**	**5.7**	**5.8**	**5.9**	**6.0**	**6.1**	**6.2**	**6.2**	**6.2**	**6.3**	**6.2**
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	1.808	1.739	1.773	1.784	1.801	1.876	2.139	5.638	1.842	1.845	1.835	1.822
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.0**	**5.8**	**5.9**	**5.9**	**6.0**	**6.3**	**7.1**	**18.8**	**6.1**	**6.2**	**6.1**	**6.1**

Licensee Comments: none

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	20.0	18.0	35.0	34.0	51.0	47.0	20.0	22.0
Total opportunities	21.0	19.0	37.0	35.0	52.0	53.0	20.0	23.0
Indicator value	**94.5%**	**94.7%**	**96.0%**	**96.6%**	**96.5%**	**95.6%**	**95.5%**	**95.0%**

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	130.0	128.0	128.0	124.0	126.0	124.0	116.0	118.0
Total Key personnel	131.0	129.0	130.0	125.0	127.0	124.0	116.0	119.0
Indicator value	**99.2%**	**99.2%**	**98.5%**	**99.2%**	**99.2%**	**100.0%**	**100.0%**	**99.2%**

Licensee Comments: none

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	312	288	286	288	310	287	286	286
Total sirens-tests	312	288	288	288	312	288	288	288
Indicator value	**99.9%**	**99.9%**	**99.8%**	**99.8%**	**99.7%**	**99.6%**	**99.6%**	**99.4%**

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	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/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

Cooper

4Q/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	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	2159.0	2042.0	2132.0	1444.0
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/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	2208.0	2209.0	2159.0	2042.0	2132.0	1444.0
Indicator value	**1.8**	**0.9**	**0.9**	**0**	**0.8**	**0.8**	**0.8**	**0.9**

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 > 6.0

Notes

Safety System Functional Failures (BWR)	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	1	0	1
Indicator value	**3**	**2**	**2**	**0**	**0**	**1**	**1**	**2**

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/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	2.07E-09	2.76E-09	1.76E-09	3.38E-09	3.35E-09	4.16E-09	4.53E-09	2.85E-09
URI (ΔCDF)	1.79E-08	2.86E-08	2.94E-08	2.99E-08	3.02E-08	2.18E-08	2.17E-08	2.35E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.00E-08**	**3.10E-08**	**3.10E-08**	**3.30E-08**	**3.40E-08**	**2.60E-08**	**2.60E-08**	**2.60E-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	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	-2.14E-08	-8.41E-09	-4.52E-08	-4.52E-08	-4.53E-08	-3.56E-08	-3.72E-08	-3.16E-08
URI (ΔCDF)	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-1.10E-07**	**-1.40E-07**	**-1.40E-07**	**-1.40E-07**	**-1.30E-07**	**-1.40E-07**	**-1.30E-07**

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/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	-3.83E-10	-3.83E-10	-1.41E-08	-1.41E-08	-1.47E-08	-1.57E-08	-1.56E-08	-1.46E-08
URI (ΔCDF)	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.60E-09**	**-5.60E-09**	**-1.90E-08**	**-1.90E-08**	**-2.00E-08**	**-2.10E-08**	**-2.10E-08**	**-2.00E-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/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	5.84E-09	9.68E-09	8.69E-09	7.30E-09	1.32E-08	1.07E-08	6.35E-09	-3.63E-10
URI (ΔCDF)	7.03E-08	6.88E-08	7.09E-08	6.71E-08	6.85E-08	7.81E-08	7.71E-08	-1.46E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.60E-08**	**7.80E-08**	**8.00E-08**	**7.40E-08**	**8.20E-08**	**8.90E-08**	**8.30E-08**	**-1.50E-07**

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/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	2.73E-08	3.24E-08	3.58E-08	2.90E-08	3.93E-08	3.82E-08	3.83E-08	3.95E-08
URI (ΔCDF)	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.00E-08**	**-3.50E-08**	**-3.10E-08**	**-3.80E-08**	**-2.80E-08**	**-2.90E-08**	**-2.90E-08**	**-2.70E-08**

Licensee Comments: none

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	0.000011	0.000008	0.000011	0.000012	0.000007	0.000011	0.000011	0.000011	0.000007	0.000011	0.000006	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0.000007	0.000009	0.000010	0.000011	0.000010	0.000009	0.000009	0.000010	0.000008	N/A	0.000007	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**
Maximum leakage	1.753	1.774	1.805	1.818	1.865	1.853	1.858	1.875	1.854	1.808	1.739	1.773
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.8**	**5.9**	**6.0**	**6.1**	**6.2**	**6.2**	**6.2**	**6.3**	**6.2**	**6.0**	**5.8**	**5.9**
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	1.784	1.801	1.876	2.139	5.638	1.842	1.845	1.835	1.822	N/A	2.020	1.707
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.9**	**6.0**	**6.3**	**7.1**	**18.8**	**6.1**	**6.2**	**6.1**	**6.1**	**N/A**	**6.7**	**5.7**

Licensee Comments: none

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	18.0	35.0	34.0	50.0	47.0	20.0	22.0	37.0
Total opportunities	19.0	37.0	35.0	52.0	53.0	20.0	23.0	39.0
Indicator value	**94.7%**	**96.0%**	**96.6%**	**96.2%**	**95.3%**	**95.1%**	**94.6%**	**94.6%**

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	128.0	128.0	124.0	126.0	124.0	116.0	118.0	110.0
Total Key personnel	129.0	130.0	125.0	127.0	124.0	116.0	119.0	112.0
Indicator value	**99.2%**	**98.5%**	**99.2%**	**99.2%**	**100.0%**	**100.0%**	**99.2%**	**98.2%**

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	288	286	288	310	287	286	286	310
Total sirens-tests	288	288	288	312	288	288	288	312
Indicator value	**99.9%**	**99.8%**	**99.8%**	**99.7%**	**99.6%**	**99.6%**	**99.4%**	**99.4%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

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	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	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

Cooper

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	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	2042.0	2132.0	1444.0	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/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	2208.0	2209.0	2159.0	2042.0	2132.0	1444.0	2159.0
Indicator value	**0.9**	**0.9**	**0**	**0.8**	**0.8**	**0.8**	**0.9**	**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 > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Safety System Functional Failures	0	0	0	0	1	0	1	0
Indicator value	**2**	**2**	**0**	**0**	**1**	**1**	**2**	**2**

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/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	2.76E-09	1.76E-09	3.38E-09	3.35E-09	4.16E-09	4.53E-09	2.85E-09	2.84E-09
URI (ΔCDF)	2.86E-08	2.94E-08	2.99E-08	3.02E-08	2.18E-08	2.17E-08	2.35E-08	2.36E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.10E-08**	**3.10E-08**	**3.30E-08**	**3.40E-08**	**2.60E-08**	**2.60E-08**	**2.60E-08**	**2.60E-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	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	-8.41E-09	-4.52E-08	-4.52E-08	-4.53E-08	-3.56E-08	-3.72E-08	-3.16E-08	-1.17E-08
URI (ΔCDF)	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**-1.40E-07**	**-1.40E-07**	**-1.40E-07**	**-1.30E-07**	**-1.40E-07**	**-1.30E-07**	**-1.10E-07**

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/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	-3.83E-10	-1.41E-08	-1.41E-08	-1.47E-08	-1.57E-08	-1.56E-08	-1.46E-08	-1.45E-08
URI (ΔCDF)	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.60E-09**	**-1.90E-08**	**-1.90E-08**	**-2.00E-08**	**-2.10E-08**	**-2.10E-08**	**-2.00E-08**	**-2.00E-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/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	9.68E-09	8.69E-09	7.30E-09	1.32E-08	1.07E-08	6.35E-09	-3.63E-10	1.11E-10
URI (ΔCDF)	6.88E-08	7.09E-08	6.71E-08	6.85E-08	7.81E-08	7.71E-08	-1.46E-07	-1.44E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.80E-08**	**8.00E-08**	**7.40E-08**	**8.20E-08**	**8.90E-08**	**8.30E-08**	**-1.50E-07**	**-1.40E-07**

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/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	3.24E-08	3.58E-08	2.90E-08	3.93E-08	3.82E-08	3.83E-08	3.95E-08	3.96E-08
URI (ΔCDF)	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.50E-08**	**-3.10E-08**	**-3.80E-08**	**-2.80E-08**	**-2.90E-08**	**-2.90E-08**	**-2.70E-08**	**-2.70E-08**

Licensee Comments: none

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	0.000012	0.000007	0.000011	0.000011	0.000011	0.000007	0.000011	0.000006	0.000007	0.000007	0.000009	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0.000011	0.000010	0.000009	0.000009	0.000010	0.000008	N/A	0.000007	0.000007	0.000008	0.000005	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**
Maximum leakage	1.818	1.865	1.853	1.858	1.875	1.854	1.808	1.739	1.773	1.784	1.801	1.876
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.1**	**6.2**	**6.2**	**6.2**	**6.3**	**6.2**	**6.0**	**5.8**	**5.9**	**5.9**	**6.0**	**6.3**
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	2.139	5.638	1.842	1.845	1.835	1.822	N/A	2.020	1.707	1.735	1.723	1.722
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.1**	**18.8**	**6.1**	**6.2**	**6.1**	**6.1**	**N/A**	**6.7**	**5.7**	**5.8**	**5.7**	**5.7**

Licensee Comments: none

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	35.0	34.0	50.0	47.0	20.0	22.0	37.0	14.0
Total opportunities	37.0	35.0	52.0	53.0	20.0	23.0	39.0	15.0
Indicator value	**96.0%**	**96.6%**	**96.2%**	**95.3%**	**95.1%**	**94.6%**	**94.6%**	**94.5%**

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	128.0	124.0	126.0	124.0	116.0	118.0	110.0	107.0
Total Key personnel	130.0	125.0	127.0	124.0	116.0	119.0	112.0	107.0
Indicator value	**98.5%**	**99.2%**	**99.2%**	**100.0%**	**100.0%**	**99.2%**	**98.2%**	**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	286	288	310	287	286	286	310	288
Total sirens-tests	288	288	312	288	288	288	312	288
Indicator value	**99.8%**	**99.8%**	**99.7%**	**99.6%**	**99.6%**	**99.4%**	**99.4%**	**99.5%**

Licensee Comments: none

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	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/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

Cooper

2Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: LER 2014-005-00, Lube Oil Leak Results in a 1 Potential Condition Prohibited by Technical Specifications and a Potential Loss of Safety Function. * Retracted on 06-09-15 via NLS 2015063.

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	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	2042.0	2132.0	1444.0	2159.0	2129.3
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/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	1.0
Critical hours	2208.0	2209.0	2159.0	2042.0	2132.0	1444.0	2159.0	2129.3
Indicator value	**0.9**	**0**	**0.8**	**0.8**	**0.8**	**0.9**	**0**	**0.9**

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 > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Safety System Functional Failures	0	0	0	1	0	0	0	0
Indicator value	**2**	**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	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	1.76E-09	3.38E-09	3.35E-09	4.16E-09	4.53E-09	2.85E-09	2.84E-09	1.65E-09
URI (ΔCDF)	2.94E-08	2.99E-08	3.02E-08	2.18E-08	2.17E-08	2.35E-08	2.36E-08	1.44E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.10E-08**	**3.30E-08**	**3.40E-08**	**2.60E-08**	**2.60E-08**	**2.60E-08**	**2.60E-08**	**1.60E-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/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	-4.52E-08	-4.52E-08	-4.53E-08	-3.56E-08	-3.72E-08	-3.16E-08	-1.17E-08	-4.53E-08
URI (ΔCDF)	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.40E-07**	**-1.40E-07**	**-1.30E-07**	**-1.40E-07**	**-1.30E-07**	**-1.10E-07**	**-1.40E-07**

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/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	-1.41E-08	-1.41E-08	-1.47E-08	-1.57E-08	-1.56E-08	-1.46E-08	-1.45E-08	-1.45E-08
URI (ΔCDF)	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-08**	**-1.90E-08**	**-2.00E-08**	**-2.10E-08**	**-2.10E-08**	**-2.00E-08**	**-2.00E-08**	**-2.00E-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/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	8.69E-09	7.30E-09	1.32E-08	1.07E-08	6.35E-09	-3.63E-10	1.11E-10	1.32E-10
URI (ΔCDF)	7.09E-08	6.71E-08	6.85E-08	7.81E-08	7.71E-08	-1.46E-07	-1.44E-07	-1.45E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.00E-08**	**7.40E-08**	**8.20E-08**	**8.90E-08**	**8.30E-08**	**-1.50E-07**	**-1.40E-07**	**-1.50E-07**

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/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	3.58E-08	2.90E-08	3.93E-08	3.82E-08	3.83E-08	3.95E-08	3.96E-08	4.54E-08
URI (ΔCDF)	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.10E-08**	**-3.80E-08**	**-2.80E-08**	**-2.90E-08**	**-2.90E-08**	**-2.70E-08**	**-2.70E-08**	**-2.20E-08**

Licensee Comments: none

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	0.000011	0.000011	0.000007	0.000011	0.000006	0.000007	0.000007	0.000009	0.000010	0.000011	0.000010	0.000009
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**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	0.000009	0.000010	0.000008	N/A	0.000007	0.000007	0.000008	0.000005	0.000008	0.000011	0.000006	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**
Maximum leakage	1.858	1.875	1.854	1.808	1.739	1.773	1.784	1.801	1.876	2.139	5.638	1.842
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.2**	**6.3**	**6.2**	**6.0**	**5.8**	**5.9**	**5.9**	**6.0**	**6.3**	**7.1**	**18.8**	**6.1**
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	1.845	1.835	1.822	N/A	2.020	1.707	1.735	1.723	1.722	1.728	1.717	1.740
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.2**	**6.1**	**6.1**	**N/A**	**6.7**	**5.7**	**5.8**	**5.7**	**5.7**	**5.8**	**5.7**	**5.8**

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	34.0	50.0	47.0	20.0	22.0	37.0	14.0	12.0
Total opportunities	35.0	52.0	53.0	20.0	23.0	39.0	15.0	12.0
Indicator value	**96.6%**	**96.2%**	**95.3%**	**95.1%**	**94.6%**	**94.6%**	**94.5%**	**94.8%**

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	124.0	126.0	124.0	116.0	118.0	110.0	107.0	96.0
Total Key personnel	125.0	127.0	124.0	116.0	119.0	112.0	107.0	102.0
Indicator value	**99.2%**	**99.2%**	**100.0%**	**100.0%**	**99.2%**	**98.2%**	**100.0%**	**94.1%**

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	288	310	287	286	286	310	288	288
Total sirens-tests	288	312	288	288	288	312	288	288
Indicator value	**99.8%**	**99.7%**	**99.6%**	**99.6%**	**99.4%**	**99.4%**	**99.5%**	**99.7%**

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	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/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

Cooper

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	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2042.0	2132.0	1444.0	2159.0	2129.3	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/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	1.0	0
Critical hours	2209.0	2159.0	2042.0	2132.0	1444.0	2159.0	2129.3	2208.0
Indicator value	**0**	**0.8**	**0.8**	**0.8**	**0.9**	**0**	**0.9**	**0.9**

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 > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Safety System Functional Failures	0	0	1	0	0	0	0	1
Indicator value	**0**	**0**	**1**	**1**	**1**	**1**	**0**	**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/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	3.38E-09	3.35E-09	4.16E-09	4.53E-09	2.85E-09	2.84E-09	1.65E-09	1.54E-09
URI (ΔCDF)	2.99E-08	3.02E-08	2.18E-08	2.17E-08	2.35E-08	2.36E-08	1.44E-08	1.46E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.30E-08**	**3.40E-08**	**2.60E-08**	**2.60E-08**	**2.60E-08**	**2.60E-08**	**1.60E-08**	**1.60E-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	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	-4.52E-08	-4.53E-08	-3.56E-08	-3.72E-08	-3.16E-08	-1.17E-08	-4.53E-08	-4.53E-08
URI (ΔCDF)	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.40E-07**	**-1.30E-07**	**-1.40E-07**	**-1.30E-07**	**-1.10E-07**	**-1.40E-07**	**-1.40E-07**

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/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	-1.41E-08	-1.47E-08	-1.57E-08	-1.56E-08	-1.46E-08	-1.45E-08	-1.45E-08	-4.68E-08
URI (ΔCDF)	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-7.54E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-08**	**-2.00E-08**	**-2.10E-08**	**-2.10E-08**	**-2.00E-08**	**-2.00E-08**	**-2.00E-08**	**-1.20E-07**

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)	7.30E-09	1.32E-08	1.07E-08	6.35E-09	-3.63E-10	1.11E-10	1.32E-10	-6.42E-09
URI (ΔCDF)	6.71E-08	6.85E-08	7.81E-08	7.71E-08	-1.46E-07	-1.44E-07	-1.45E-07	-1.43E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.40E-08**	**8.20E-08**	**8.90E-08**	**8.30E-08**	**-1.50E-07**	**-1.40E-07**	**-1.50E-07**	**-1.50E-07**

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)	2.90E-08	3.93E-08	3.82E-08	3.83E-08	3.95E-08	3.96E-08	4.54E-08	4.54E-08
URI (ΔCDF)	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.80E-08**	**-2.80E-08**	**-2.90E-08**	**-2.90E-08**	**-2.70E-08**	**-2.70E-08**	**-2.20E-08**	**-2.20E-08**

Licensee Comments: none

Reactor Coolant System Activity

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	0.000011	0.000006	0.000007	0.000007	0.000009	0.000010	0.000011	0.000010	0.000009	0.000009	0.000010	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**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	N/A	0.000007	0.000007	0.000008	0.000005	0.000008	0.000011	0.000006	0.000010	0.000010	0.000008	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**
Maximum leakage	1.808	1.739	1.773	1.784	1.801	1.876	2.139	5.638	1.842	1.845	1.835	1.822
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.0**	**5.8**	**5.9**	**5.9**	**6.0**	**6.3**	**7.1**	**18.8**	**6.1**	**6.2**	**6.1**	**6.1**
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	N/A	2.020	1.707	1.735	1.723	1.722	1.728	1.717	1.740	1.748	1.774	1.727
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**N/A**	**6.7**	**5.7**	**5.8**	**5.7**	**5.7**	**5.8**	**5.7**	**5.8**	**5.8**	**5.9**	**5.8**

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	50.0	47.0	20.0	22.0	37.0	14.0	12.0	35.0
Total opportunities	52.0	53.0	20.0	23.0	39.0	15.0	12.0	35.0
Indicator value	**96.2%**	**95.3%**	**95.1%**	**94.6%**	**94.6%**	**94.5%**	**94.8%**	**95.2%**

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	126.0	124.0	116.0	118.0	110.0	107.0	96.0	100.0
Total Key personnel	127.0	124.0	116.0	119.0	112.0	107.0	102.0	100.0
Indicator value	**99.2%**	**100.0%**	**100.0%**	**99.2%**	**98.2%**	**100.0%**	**94.1%**	**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	310	287	286	286	310	288	288	287
Total sirens-tests	312	288	288	288	312	288	288	288
Indicator value	**99.7%**	**99.6%**	**99.6%**	**99.4%**	**99.4%**	**99.5%**	**99.7%**	**99.7%**

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	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/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

Cooper

4Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: EAC unavailability hours for December 2015 changed from 6.72 hrs. to 6.99 hrs.

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	0	0	0	0	0	0	0	0
Critical hours	2159.0	2042.0	2132.0	1444.0	2159.0	2129.3	2208.0	2209.0
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/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned power changes	1.0	0	0	0	0	1.0	0	0
Critical hours	2159.0	2042.0	2132.0	1444.0	2159.0	2129.3	2208.0	2209.0
Indicator value	**0.8**	**0.8**	**0.8**	**0.9**	**0**	**0.9**	**0.9**	**0.8**

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 > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Safety System Functional Failures	0	1	0	0	0	0	1	0
Indicator value	**0**	**1**	**1**	**1**	**1**	**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/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	3.35E-09	4.16E-09	4.53E-09	2.85E-09	2.84E-09	1.65E-09	1.54E-09	1.39E-09
URI (ΔCDF)	3.02E-08	2.18E-08	2.17E-08	2.35E-08	2.36E-08	1.44E-08	1.46E-08	1.52E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.40E-08**	**2.60E-08**	**2.60E-08**	**2.60E-08**	**2.60E-08**	**1.60E-08**	**1.60E-08**	**1.70E-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	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	-4.53E-08	-3.56E-08	-3.72E-08	-3.16E-08	-1.17E-08	-4.53E-08	-4.53E-08	-5.40E-08
URI (ΔCDF)	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.30E-07**	**-1.40E-07**	**-1.30E-07**	**-1.10E-07**	**-1.40E-07**	**-1.40E-07**	**-1.50E-07**

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/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	-1.47E-08	-1.57E-08	-1.56E-08	-1.46E-08	-1.45E-08	-1.45E-08	-4.68E-08	-4.68E-08
URI (ΔCDF)	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-7.54E-08	-7.54E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.00E-08**	**-2.10E-08**	**-2.10E-08**	**-2.00E-08**	**-2.00E-08**	**-2.00E-08**	**-1.20E-07**	**-1.20E-07**

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)	1.32E-08	1.07E-08	6.35E-09	-3.63E-10	1.11E-10	1.32E-10	-6.42E-09	-9.29E-09
URI (ΔCDF)	6.85E-08	7.81E-08	7.71E-08	-1.46E-07	-1.44E-07	-1.45E-07	-1.43E-07	-1.31E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.20E-08**	**8.90E-08**	**8.30E-08**	**-1.50E-07**	**-1.40E-07**	**-1.50E-07**	**-1.50E-07**	**-1.40E-07**

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)	3.93E-08	3.82E-08	3.83E-08	3.95E-08	3.96E-08	4.54E-08	4.54E-08	4.80E-08
URI (ΔCDF)	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.85E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.80E-08**	**-2.90E-08**	**-2.90E-08**	**-2.70E-08**	**-2.70E-08**	**-2.20E-08**	**-2.20E-08**	**-2.10E-08**

Licensee Comments: none

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	0.000007	0.000009	0.000010	0.000011	0.000010	0.000009	0.000009	0.000010	0.000008	N/A	0.000007	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000008	0.000005	0.000008	0.000011	0.000006	0.000010	0.000010	0.000008	0.000010	0.000011	0.000012	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**
Maximum leakage	1.784	1.801	1.876	2.139	5.638	1.842	1.845	1.835	1.822	N/A	2.020	1.707
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.9**	**6.0**	**6.3**	**7.1**	**18.8**	**6.1**	**6.2**	**6.1**	**6.1**	**N/A**	**6.7**	**5.7**
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	1.735	1.723	1.722	1.728	1.717	1.740	1.748	1.774	1.727	1.685	1.693	1.691
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.8**	**5.7**	**5.7**	**5.8**	**5.7**	**5.8**	**5.8**	**5.9**	**5.8**	**5.6**	**5.6**	**5.6**

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	47.0	20.0	22.0	37.0	14.0	12.0	35.0	39.0
Total opportunities	53.0	20.0	23.0	39.0	15.0	12.0	35.0	39.0
Indicator value	**95.3%**	**95.1%**	**94.6%**	**94.6%**	**94.5%**	**94.8%**	**95.2%**	**95.8%**

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	124.0	116.0	118.0	110.0	107.0	96.0	100.0	107.0
Total Key personnel	124.0	116.0	119.0	112.0	107.0	102.0	100.0	107.0
Indicator value	**100.0%**	**100.0%**	**99.2%**	**98.2%**	**100.0%**	**94.1%**	**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	287	286	286	310	288	288	287	303
Total sirens-tests	288	288	288	312	288	288	288	312
Indicator value	**99.6%**	**99.6%**	**99.4%**	**99.4%**	**99.5%**	**99.7%**	**99.7%**	**99.1%**

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	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	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

Cooper

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	0	0	0	0
Critical hours	2042.0	2132.0	1444.0	2159.0	2129.3	2208.0	2209.0	2183.0
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/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2042.0	2132.0	1444.0	2159.0	2129.3	2208.0	2209.0	2183.0
Indicator value	**0.8**	**0.8**	**0.9**	**0**	**0.9**	**0.9**	**0.8**	**0.8**

Licensee Comments: none

Unplanned Scrams with Complications

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

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Safety System Functional Failures	1	0	0	0	0	1	0	0
Indicator value	**1**	**1**	**1**	**1**	**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/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	4.16E-09	4.53E-09	2.85E-09	2.84E-09	1.65E-09	1.54E-09	1.39E-09	1.46E-09
URI (ΔCDF)	2.18E-08	2.17E-08	2.35E-08	2.36E-08	1.44E-08	1.46E-08	1.52E-08	1.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.60E-08**	**2.60E-08**	**2.60E-08**	**2.60E-08**	**1.60E-08**	**1.60E-08**	**1.70E-08**	**1.70E-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	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	-3.56E-08	-3.72E-08	-3.16E-08	-1.17E-08	-4.53E-08	-4.53E-08	-5.40E-08	-5.40E-08
URI (ΔCDF)	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-07**	**-1.40E-07**	**-1.30E-07**	**-1.10E-07**	**-1.40E-07**	**-1.40E-07**	**-1.50E-07**	**-1.50E-07**

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/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	-1.57E-08	-1.56E-08	-1.46E-08	-1.45E-08	-1.45E-08	-4.68E-08	-4.68E-08	-4.68E-08
URI (ΔCDF)	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-7.54E-08	-7.54E-08	-7.54E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-08**	**-2.10E-08**	**-2.00E-08**	**-2.00E-08**	**-2.00E-08**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**

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)	1.07E-08	6.35E-09	-3.63E-10	1.11E-10	1.32E-10	-6.42E-09	-9.29E-09	-7.07E-09
URI (ΔCDF)	7.81E-08	7.71E-08	-1.46E-07	-1.44E-07	-1.45E-07	-1.43E-07	-1.31E-07	-1.28E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.90E-08**	**8.30E-08**	**-1.50E-07**	**-1.40E-07**	**-1.50E-07**	**-1.50E-07**	**-1.40E-07**	**-1.40E-07**

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)	3.82E-08	3.83E-08	3.95E-08	3.96E-08	4.54E-08	4.54E-08	4.80E-08	4.88E-08
URI (ΔCDF)	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.85E-08	-6.85E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.90E-08**	**-2.90E-08**	**-2.70E-08**	**-2.70E-08**	**-2.20E-08**	**-2.20E-08**	**-2.10E-08**	**-2.00E-08**

Licensee Comments: none

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	0.000011	0.000010	0.000009	0.000009	0.000010	0.000008	N/A	0.000007	0.000007	0.000008	0.000005	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000011	0.000006	0.000010	0.000010	0.000008	0.000010	0.000011	0.000012	0.000008	0.000012	0.000010	0.000011
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**
Maximum leakage	2.139	5.638	1.842	1.845	1.835	1.822	N/A	2.020	1.707	1.735	1.723	1.722
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**7.1**	**18.8**	**6.1**	**6.2**	**6.1**	**6.1**	**N/A**	**6.7**	**5.7**	**5.8**	**5.7**	**5.7**
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	1.728	1.717	1.740	1.748	1.774	1.727	1.685	1.693	1.691	1.690	1.711	1.721
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.8**	**5.7**	**5.8**	**5.8**	**5.9**	**5.8**	**5.6**	**5.6**	**5.6**	**5.6**	**5.7**	**5.7**

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	20.0	22.0	37.0	14.0	12.0	35.0	39.0	58.0
Total opportunities	20.0	23.0	39.0	15.0	12.0	35.0	39.0	58.0
Indicator value	**95.1%**	**94.6%**	**94.6%**	**94.5%**	**94.8%**	**95.2%**	**95.8%**	**98.3%**

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	116.0	118.0	110.0	107.0	96.0	100.0	107.0	104.0
Total Key personnel	116.0	119.0	112.0	107.0	102.0	100.0	107.0	104.0
Indicator value	**100.0%**	**99.2%**	**98.2%**	**100.0%**	**94.1%**	**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	286	286	310	288	288	287	303	287
Total sirens-tests	288	288	312	288	288	288	312	288
Indicator value	**99.6%**	**99.4%**	**99.4%**	**99.5%**	**99.7%**	**99.7%**	**99.1%**	**99.1%**

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	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/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

Cooper

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	0	0	0	0	0
Critical hours	2132.0	1444.0	2159.0	2129.3	2208.0	2209.0	2183.0	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/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	2132.0	1444.0	2159.0	2129.3	2208.0	2209.0	2183.0	2184.0
Indicator value	**0.8**	**0.9**	**0**	**0.9**	**0.9**	**0.8**	**0.8**	**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 > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Safety System Functional Failures	0	0	0	0	1	0	0	2
Indicator value	**1**	**1**	**1**	**0**	**1**	**1**	**1**	**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/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	4.53E-09	2.85E-09	2.84E-09	1.65E-09	1.54E-09	1.39E-09	1.46E-09	3.12E-09
URI (ΔCDF)	2.17E-08	2.35E-08	2.36E-08	1.44E-08	1.46E-08	1.52E-08	1.50E-08	5.52E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.60E-08**	**2.60E-08**	**2.60E-08**	**1.60E-08**	**1.60E-08**	**1.70E-08**	**1.70E-08**	**8.60E-09**

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)	-3.72E-08	-3.16E-08	-1.17E-08	-4.53E-08	-4.53E-08	-5.40E-08	-5.40E-08	-4.34E-08
URI (ΔCDF)	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	6.69E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.30E-07**	**-1.10E-07**	**-1.40E-07**	**-1.40E-07**	**-1.50E-07**	**-1.50E-07**	**6.30E-07**

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/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	-1.56E-08	-1.46E-08	-1.45E-08	-1.45E-08	-4.68E-08	-4.68E-08	-4.68E-08	-2.98E-08
URI (ΔCDF)	-5.17E-09	-5.17E-09	-5.17E-09	-5.17E-09	-7.54E-08	-7.54E-08	-7.54E-08	-4.87E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-08**	**-2.00E-08**	**-2.00E-08**	**-2.00E-08**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-7.90E-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)	6.35E-09	-3.63E-10	1.11E-10	1.32E-10	-6.42E-09	-9.29E-09	-7.07E-09	-7.31E-09
URI (ΔCDF)	7.71E-08	-1.46E-07	-1.44E-07	-1.45E-07	-1.43E-07	-1.31E-07	-1.28E-07	-4.63E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.30E-08**	**-1.50E-07**	**-1.40E-07**	**-1.50E-07**	**-1.50E-07**	**-1.40E-07**	**-1.40E-07**	**-5.40E-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/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	3.83E-08	3.95E-08	3.96E-08	4.54E-08	4.54E-08	4.80E-08	4.88E-08	3.99E-08
URI (ΔCDF)	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.85E-08	-6.85E-08	-7.11E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.90E-08**	**-2.70E-08**	**-2.70E-08**	**-2.20E-08**	**-2.20E-08**	**-2.10E-08**	**-2.00E-08**	**3.30E-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	0.000009	0.000010	0.000008	N/A	0.000007	0.000007	0.000008	0.000005	0.000008	0.000011	0.000006	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**N/A**	**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	0.000010	0.000008	0.000010	0.000011	0.000012	0.000008	0.000012	0.000010	0.000011	0.000011	0.000011	0.000013
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**
Maximum leakage	1.845	1.835	1.822	N/A	2.020	1.707	1.735	1.723	1.722	1.728	1.717	1.740
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.2**	**6.1**	**6.1**	**N/A**	**6.7**	**5.7**	**5.8**	**5.7**	**5.7**	**5.8**	**5.7**	**5.8**
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	1.748	1.774	1.727	1.685	1.693	1.691	1.690	1.711	1.721	1.721	1.702	1.706
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.8**	**5.9**	**5.8**	**5.6**	**5.6**	**5.6**	**5.6**	**5.7**	**5.7**	**5.7**	**5.7**	**5.7**

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	22.0	37.0	14.0	12.0	35.0	39.0	58.0	84.0
Total opportunities	23.0	39.0	15.0	12.0	35.0	39.0	58.0	85.0
Indicator value	**94.6%**	**94.6%**	**94.5%**	**94.8%**	**95.2%**	**95.8%**	**98.3%**	**98.4%**

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	118.0	110.0	107.0	96.0	100.0	107.0	104.0	105.0
Total Key personnel	119.0	112.0	107.0	102.0	100.0	107.0	104.0	105.0
Indicator value	**99.2%**	**98.2%**	**100.0%**	**94.1%**	**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	286	310	288	288	287	303	287	287
Total sirens-tests	288	312	288	288	288	312	288	288
Indicator value	**99.4%**	**99.4%**	**99.5%**	**99.7%**	**99.7%**	**99.1%**	**99.1%**	**99.0%**

Licensee Comments: none

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	**0**	**0**	**0**	**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

Cooper

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	0	0	0	0	0	0
Critical hours	1444.0	2159.0	2129.3	2208.0	2209.0	2183.0	2184.0	2060.0
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/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned power changes	0	0	1.0	0	0	0	0	1.0
Critical hours	1444.0	2159.0	2129.3	2208.0	2209.0	2183.0	2184.0	2060.0
Indicator value	**0.9**	**0**	**0.9**	**0.9**	**0.8**	**0.8**	**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 > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Safety System Functional Failures	0	0	0	1	0	0	2	0
Indicator value	**1**	**1**	**0**	**1**	**1**	**1**	**3**	**2**

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/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	2.85E-09	2.84E-09	1.65E-09	1.54E-09	1.39E-09	1.46E-09	3.12E-09	3.22E-09
URI (ΔCDF)	2.35E-08	2.36E-08	1.44E-08	1.46E-08	1.52E-08	1.50E-08	5.52E-09	5.51E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.60E-08**	**2.60E-08**	**1.60E-08**	**1.60E-08**	**1.70E-08**	**1.70E-08**	**8.60E-09**	**8.70E-09**

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)	-3.16E-08	-1.17E-08	-4.53E-08	-4.53E-08	-5.40E-08	-5.40E-08	-4.34E-08	-4.32E-08
URI (ΔCDF)	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	6.69E-07	6.69E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-07**	**-1.10E-07**	**-1.40E-07**	**-1.40E-07**	**-1.50E-07**	**-1.50E-07**	**6.30E-07**	**6.30E-07**

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/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	-1.46E-08	-1.45E-08	-1.45E-08	-4.68E-08	-4.68E-08	-4.68E-08	-2.98E-08	-2.98E-08
URI (ΔCDF)	-5.17E-09	-5.17E-09	-5.17E-09	-7.54E-08	-7.54E-08	-7.54E-08	-4.87E-08	-4.87E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.00E-08**	**-2.00E-08**	**-2.00E-08**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-7.90E-08**	**-7.90E-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)	-3.63E-10	1.11E-10	1.32E-10	-6.42E-09	-9.29E-09	-7.07E-09	-7.31E-09	-4.62E-09
URI (ΔCDF)	-1.46E-07	-1.44E-07	-1.45E-07	-1.43E-07	-1.31E-07	-1.28E-07	-4.63E-08	-4.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.40E-07**	**-1.50E-07**	**-1.50E-07**	**-1.40E-07**	**-1.40E-07**	**-5.40E-08**	**-5.10E-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	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	3.95E-08	3.96E-08	4.54E-08	4.54E-08	4.80E-08	4.88E-08	3.99E-08	3.79E-08
URI (ΔCDF)	-6.70E-08	-6.70E-08	-6.70E-08	-6.70E-08	-6.85E-08	-6.85E-08	-7.11E-09	-7.11E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.70E-08**	**-2.70E-08**	**-2.20E-08**	**-2.20E-08**	**-2.10E-08**	**-2.00E-08**	**3.30E-08**	**3.10E-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	N/A	0.000007	0.000007	0.000008	0.000005	0.000008	0.000011	0.000006	0.000010	0.000010	0.000008	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**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	0.000011	0.000012	0.000008	0.000012	0.000010	0.000011	0.000011	0.000011	0.000013	0.000013	0.000011	0.000009
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**
Maximum leakage	N/A	2.020	1.707	1.735	1.723	1.722	1.728	1.717	1.740	1.748	1.774	1.727
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**N/A**	**6.7**	**5.7**	**5.8**	**5.7**	**5.7**	**5.8**	**5.7**	**5.8**	**5.8**	**5.9**	**5.8**
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	1.685	1.693	1.691	1.690	1.711	1.721	1.721	1.702	1.706	1.723	1.734	1.741
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.6**	**5.6**	**5.6**	**5.6**	**5.7**	**5.7**	**5.7**	**5.7**	**5.7**	**5.7**	**5.8**	**5.8**

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	37.0	14.0	12.0	35.0	39.0	58.0	84.0	48.0
Total opportunities	39.0	15.0	12.0	35.0	39.0	58.0	85.0	49.0
Indicator value	**94.6%**	**94.5%**	**94.8%**	**95.2%**	**95.8%**	**98.3%**	**98.4%**	**98.5%**

Licensee Comments: none

Notes

ERO Drill Participation	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Participating Key personnel	110.0	107.0	96.0	100.0	107.0	104.0	105.0	107.0
Total Key personnel	112.0	107.0	102.0	100.0	107.0	104.0	105.0	107.0
Indicator value	**98.2%**	**100.0%**	**94.1%**	**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	310	288	288	287	303	287	287	282
Total sirens-tests	312	288	288	288	312	288	288	284
Indicator value	**99.4%**	**99.5%**	**99.7%**	**99.7%**	**99.1%**	**99.1%**	**99.0%**	**98.9%**

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	**0**	**0**	**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

Cooper

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	0	0	0	0	0	0	0
Critical hours	2159.0	2129.3	2208.0	2209.0	2183.0	2184.0	2060.0	1318.8
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/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned power changes	0	1.0	0	0	0	0	1.0	0
Critical hours	2159.0	2129.3	2208.0	2209.0	2183.0	2184.0	2060.0	1318.8
Indicator value	**0**	**0.9**	**0.9**	**0.8**	**0.8**	**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

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Safety System Functional Failures	0	0	1	0	0	2	0	2
Indicator value	**1**	**0**	**1**	**1**	**1**	**3**	**2**	**4**

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)	2.84E-09	1.65E-09	1.54E-09	1.39E-09	1.46E-09	3.12E-09	3.22E-09	-5.28E-10
URI (ΔCDF)	2.36E-08	1.44E-08	1.46E-08	1.52E-08	1.50E-08	5.52E-09	5.51E-09	5.19E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.60E-08**	**1.60E-08**	**1.60E-08**	**1.70E-08**	**1.70E-08**	**8.60E-09**	**8.70E-09**	**4.70E-09**

Licensee Comments:

4Q/16: 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/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	-1.17E-08	-4.53E-08	-4.53E-08	-5.40E-08	-5.40E-08	-4.34E-08	-4.32E-08	-2.79E-08
URI (ΔCDF)	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	6.69E-07	6.69E-07	4.55E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**-1.40E-07**	**-1.40E-07**	**-1.50E-07**	**-1.50E-07**	**6.30E-07**	**6.30E-07**	**4.30E-07**

Licensee Comments:

4Q/16: 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/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (ΔCDF)	-1.45E-08	-1.45E-08	-4.68E-08	-4.68E-08	-4.68E-08	-2.98E-08	-2.98E-08	-1.28E-08
URI (ΔCDF)	-5.17E-09	-5.17E-09	-7.54E-08	-7.54E-08	-7.54E-08	-4.87E-08	-4.87E-08	-4.54E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.00E-08**	**-2.00E-08**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-7.90E-08**	**-7.90E-08**	**-5.80E-08**

Licensee Comments:

4Q/16: 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/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	1.11E-10	1.32E-10	-6.42E-09	-9.29E-09	-7.07E-09	-7.31E-09	-4.62E-09	2.37E-09
URI (ΔCDF)	-1.44E-07	-1.45E-07	-1.43E-07	-1.31E-07	-1.28E-07	-4.63E-08	-4.65E-08	-5.07E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.50E-07**	**-1.50E-07**	**-1.40E-07**	**-1.40E-07**	**-5.40E-08**	**-5.10E-08**	**-4.80E-08**

Licensee Comments:

4Q/16: 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/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	3.96E-08	4.54E-08	4.54E-08	4.80E-08	4.88E-08	3.99E-08	3.79E-08	4.46E-08
URI (ΔCDF)	-6.70E-08	-6.70E-08	-6.70E-08	-6.85E-08	-6.85E-08	-7.11E-09	-7.11E-09	-6.92E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.70E-08**	**-2.20E-08**	**-2.20E-08**	**-2.10E-08**	**-2.00E-08**	**3.30E-08**	**3.10E-08**	**3.80E-08**

Licensee Comments:

4Q/16: Changed PRA Parameter(s).

Reactor Coolant System Activity

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	0.000008	0.000005	0.000008	0.000011	0.000006	0.000010	0.000010	0.000008	0.000010	0.000011	0.000012	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	0.000012	0.000010	0.000011	0.000011	0.000011	0.000013	0.000013	0.000011	0.000009	N/A	0.000010	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**
Maximum leakage	1.735	1.723	1.722	1.728	1.717	1.740	1.748	1.774	1.727	1.685	1.693	1.691
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.8**	**5.7**	**5.7**	**5.8**	**5.7**	**5.8**	**5.8**	**5.9**	**5.8**	**5.6**	**5.6**	**5.6**
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	1.690	1.711	1.721	1.721	1.702	1.706	1.723	1.734	1.741	N/A	1.781	1.834
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.6**	**5.7**	**5.7**	**5.7**	**5.7**	**5.7**	**5.7**	**5.8**	**5.8**	**N/A**	**5.9**	**6.1**

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	14.0	12.0	35.0	39.0	58.0	84.0	48.0	15.0
Total opportunities	15.0	12.0	35.0	39.0	58.0	85.0	49.0	16.0
Indicator value	**94.5%**	**94.8%**	**95.2%**	**95.8%**	**98.3%**	**98.4%**	**98.5%**	**98.7%**

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	107.0	96.0	100.0	107.0	104.0	105.0	107.0	105.0
Total Key personnel	107.0	102.0	100.0	107.0	104.0	105.0	107.0	105.0
Indicator value	**100.0%**	**94.1%**	**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	288	288	287	303	287	287	282	273
Total sirens-tests	288	288	288	312	288	288	284	273
Indicator value	**99.5%**	**99.7%**	**99.7%**	**99.1%**	**99.1%**	**99.0%**	**98.9%**	**99.6%**

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	**0**	**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

Cooper – 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	0	0	0	0	0	0	0	0
Critical hours	2129.3	2208.0	2209.0	2183.0	2184.0	2060.0	1318.8	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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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	1.0	0	0	0	0	1.0	0	0
Critical hours	2129.3	2208.0	2209.0	2183.0	2184.0	2060.0	1318.8	2159.0
Indicator value	**0.9**	**0.9**	**0.8**	**0.8**	**0**	**0.8**	**0.9**	**0.9**

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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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Safety System Functional Failures	0	1	0	0	2	0	2	1
Indicator value	**0**	**1**	**1**	**1**	**3**	**2**	**4**	**5**

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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)	1.65E-09	1.54E-09	1.39E-09	1.46E-09	3.12E-09	3.22E-09	-5.28E-10	1.76E-09
URI (ΔCDF)	1.44E-08	1.46E-08	1.52E-08	1.50E-08	5.52E-09	5.51E-09	5.19E-09	4.79E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.60E-08**	**1.60E-08**	**1.70E-08**	**1.70E-08**	**8.60E-09**	**8.70E-09**	**4.70E-09**	**6.60E-09**

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Licensee Comments:
4Q/16: Changed PRA Parameter(s).

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)	-4.53E-08	-4.53E-08	-5.40E-08	-5.40E-08	-4.34E-08	-4.32E-08	-2.79E-08	-2.79E-08
URI (ΔCDF)	-9.90E-08	-9.90E-08	-9.90E-08	-9.90E-08	6.69E-07	6.69E-07	4.55E-07	4.55E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.40E-07**	**-1.50E-07**	**-1.50E-07**	**6.30E-07**	**6.30E-07**	**4.30E-07**	**4.30E-07**

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Licensee Comments:
4Q/16: Changed PRA Parameter(s).

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)	-1.45E-08	-4.68E-08	-4.68E-08	-4.68E-08	-2.98E-08	-2.98E-08	-1.28E-08	4.20E-08
URI (ΔCDF)	-5.17E-09	-7.54E-08	-7.54E-08	-7.54E-08	-4.87E-08	-4.87E-08	-4.54E-08	-4.54E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.00E-08**	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-7.90E-08**	**-7.90E-08**	**-5.80E-08**	**-3.40E-09**

TOP

Licensee Comments:
4Q/16: 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/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	1.32E-10	-6.42E-09	-9.29E-09	-7.07E-09	-7.31E-09	-4.62E-09	2.37E-09	-3.05E-09
URI (ΔCDF)	-1.45E-07	-1.43E-07	-1.31E-07	-1.28E-07	-4.63E-08	-4.65E-08	-5.07E-08	-5.08E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.50E-07**	**-1.40E-07**	**-1.40E-07**	**-5.40E-08**	**-5.10E-08**	**-4.80E-08**	**-5.40E-08**

TOP

Licensee Comments:
4Q/16: 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/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	4.54E-08	4.54E-08	4.80E-08	4.88E-08	3.99E-08	3.79E-08	4.46E-08	4.03E-08
URI (ΔCDF)	-6.70E-08	-6.70E-08	-6.85E-08	-6.85E-08	-7.11E-09	-7.11E-09	-6.92E-09	-6.92E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-08**	**-2.20E-08**	**-2.10E-08**	**-2.00E-08**	**3.30E-08**	**3.10E-08**	**3.80E-08**	**3.30E-08**

TOP

Licensee Comments:
4Q/16: Changed PRA Parameter(s).

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	0.000011	0.000006	0.000010	0.000010	0.000008	0.000010	0.000011	0.000012	0.000008	0.000012	0.000010	0.000011
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0.000011	0.000011	0.000013	0.000013	0.000011	0.000009	N/A	0.000010	0.000010	0.000011	0.000011	0.000012
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	1.728	1.717	1.740	1.748	1.774	1.727	1.685	1.693	1.691	1.690	1.711	1.721
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.8**	**5.7**	**5.8**	**5.8**	**5.9**	**5.8**	**5.6**	**5.6**	**5.6**	**5.6**	**5.7**	**5.7**

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	1.721	1.702	1.706	1.723	1.734	1.741	N/A	1.781	1.834	1.864	1.823	1.804
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.7**	**5.7**	**5.7**	**5.7**	**5.8**	**5.8**	**N/A**	**5.9**	**6.1**	**6.2**	**6.1**	**6.0**

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	12.0	35.0	39.0	58.0	84.0	48.0	15.0	34.0
Total opportunities	12.0	35.0	39.0	58.0	85.0	49.0	16.0	36.0
Indicator value	**94.8%**	**95.2%**	**95.8%**	**98.3%**	**98.4%**	**98.5%**	**98.7%**	**98.5%**

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	96.0	100.0	107.0	104.0	105.0	107.0	105.0	107.0
Total Key personnel	102.0	100.0	107.0	104.0	105.0	107.0	105.0	107.0
Indicator value	**94.1%**	**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	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful siren-tests	288	287	303	287	287	282	273	251
Total sirens-tests	288	288	312	288	288	284	273	251
Indicator value	**99.7%**	**99.7%**	**99.1%**	**99.1%**	**99.0%**	**98.9%**	**99.6%**	**99.7%**

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**

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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: May 5, 2017

Page Last Reviewed/Updated Wednesday, June 07, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Cooper – 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)
- 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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- 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	2060.0	1318.8	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**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	2060.0	1318.8	2159.0	2184.0
Indicator value	**0.9**	**0.8**	**0.8**	**0**	**0.8**	**0.9**	**0.9**	**0.9**

TOP

Licensee Comments: none

Unplanned Scrams with Complications

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

Notes

Safety System Functional Failures (BWR)	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Safety System Functional Failures	1	0	0	2	0	2	1	1
Indicator value	**1**	**1**	**1**	**3**	**2**	**4**	**5**	**4**

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Licensee Comments: none

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)	1.54E-09	1.39E-09	1.46E-09	3.12E-09	3.22E-09	-5.28E-10	1.76E-09	-5.75E-10
URI (ΔCDF)	1.46E-08	1.52E-08	1.50E-08	5.52E-09	5.51E-09	5.19E-09	4.79E-09	4.85E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.60E-08**	**1.70E-08**	**1.70E-08**	**8.60E-09**	**8.70E-09**	**4.70E-09**	**6.60E-09**	**4.30E-09**

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Licensee Comments:
4Q/16: Changed PRA Parameter(s).

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)	-4.53E-08	-5.40E-08	-5.40E-08	-4.34E-08	-4.32E-08	-2.79E-08	-2.79E-08	-2.80E-08
URI (ΔCDF)	-9.90E-08	-9.90E-08	-9.90E-08	6.69E-07	6.69E-07	4.55E-07	4.55E-07	4.55E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.50E-07**	**-1.50E-07**	**6.30E-07**	**6.30E-07**	**4.30E-07**	**4.30E-07**	**4.30E-07**

TOP

Licensee Comments:
4Q/16: Changed PRA Parameter(s).

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)	-4.68E-08	-4.68E-08	-4.68E-08	-2.98E-08	-2.98E-08	-1.28E-08	4.20E-08	4.43E-08
URI (ΔCDF)	-7.54E-08	-7.54E-08	-7.54E-08	-4.87E-08	-4.87E-08	-4.54E-08	-4.54E-08	-4.54E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-1.20E-07**	**-1.20E-07**	**-7.90E-08**	**-7.90E-08**	**-5.80E-08**	**-3.40E-09**	**-1.10E-09**

TOP

Licensee Comments:
4Q/16: 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/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-6.42E-09	-9.29E-09	-7.07E-09	-7.31E-09	-4.62E-09	2.37E-09	-3.05E-09	-3.18E-09
URI (ΔCDF)	-1.43E-07	-1.31E-07	-1.28E-07	-4.63E-08	-4.65E-08	-5.07E-08	-5.08E-08	-5.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.40E-07**	**-1.40E-07**	**-5.40E-08**	**-5.10E-08**	**-4.80E-08**	**-5.40E-08**	**-5.40E-08**

TOP

Licensee Comments:
4Q/16: 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/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	4.54E-08	4.80E-08	4.88E-08	3.99E-08	3.79E-08	4.46E-08	4.03E-08	4.68E-08
URI (ΔCDF)	-6.70E-08	-6.85E-08	-6.85E-08	-7.11E-09	-7.11E-09	-6.92E-09	-6.92E-09	-6.92E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-08**	**-2.10E-08**	**-2.00E-08**	**3.30E-08**	**3.10E-08**	**3.80E-08**	**3.30E-08**	**4.00E-08**

TOP

Licensee Comments:
4Q/16: Changed PRA Parameter(s).

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	0.000010	0.000008	0.000010	0.000011	0.000012	0.000008	0.000012	0.000010	0.000011	0.000011	0.000011	0.000013
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0.000013	0.000011	0.000009	N/A	0.000010	0.000010	0.000011	0.000011	0.000012	0.000009	0.000013	0.000011
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

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	1.748	1.774	1.727	1.685	1.693	1.691	1.690	1.711	1.721	1.721	1.702	1.706
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.8**	**5.9**	**5.8**	**5.6**	**5.6**	**5.6**	**5.6**	**5.7**	**5.7**	**5.7**	**5.7**	**5.7**

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	1.723	1.734	1.741	N/A	1.781	1.834	1.864	1.823	1.804	1.805	1.877	1.863
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.7**	**5.8**	**5.8**	**N/A**	**5.9**	**6.1**	**6.2**	**6.1**	**6.0**	**6.0**	**6.3**	**6.2**

TOP

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful opportunities	35.0	39.0	58.0	84.0	48.0	15.0	34.0	59.0
Total opportunities	35.0	39.0	58.0	85.0	49.0	16.0	36.0	62.0
Indicator value	**95.2%**	**95.8%**	**98.3%**	**98.4%**	**98.5%**	**98.7%**	**98.5%**	**97.9%**

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Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Participating Key personnel	100.0	107.0	104.0	105.0	107.0	105.0	107.0	117.0
Total Key personnel	100.0	107.0	104.0	105.0	107.0	105.0	107.0	118.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.2%**

TOP

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	287	303	287	287	282	273	251	251
Total sirens-tests	288	312	288	288	284	273	251	251
Indicator value	**99.7%**	**99.1%**	**99.1%**	**99.0%**	**98.9%**	**99.6%**	**99.7%**	**99.8%**

TOP

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**

TOP

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**

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: July 26, 2017

Page Last Reviewed/Updated Wednesday, June 07, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Cooper – Quarterly Performance Indicators

3Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

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- 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	2060.0	1318.8	2159.0	2184.0	2208.0
Indicator value	**0**	**0**	**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	2060.0	1318.8	2159.0	2184.0	2208.0
Indicator value	**0.8**	**0.8**	**0**	**0.8**	**0.9**	**0.9**	**0.9**	**0**

TOP

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**

TOP

Licensee Comments: none

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Safety System Functional Failures	0	0	2	0	2	1	1	0
Indicator value	**1**	**1**	**3**	**2**	**4**	**5**	**4**	**4**

TOP

Licensee Comments: none

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)	1.39E-09	1.46E-09	3.12E-09	3.22E-09	-5.28E-10	1.76E-09	-5.75E-10	-1.52E-09
URI (ΔCDF)	1.52E-08	1.50E-08	5.52E-09	5.51E-09	5.19E-09	4.79E-09	4.85E-09	4.96E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.70E-08**	**1.70E-08**	**8.60E-09**	**8.70E-09**	**4.70E-09**	**6.60E-09**	**4.30E-09**	**3.40E-09**

TOP

Licensee Comments:
4Q/16: Changed PRA Parameter(s).

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)	-5.40E-08	-5.40E-08	-4.34E-08	-4.32E-08	-2.79E-08	-2.79E-08	-2.80E-08	-2.80E-08
URI (ΔCDF)	-9.90E-08	-9.90E-08	6.69E-07	6.69E-07	4.55E-07	4.55E-07	4.55E-07	4.55E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**-1.50E-07**	**6.30E-07**	**6.30E-07**	**4.30E-07**	**4.30E-07**	**4.30E-07**	**4.30E-07**

TOP

Licensee Comments:
4Q/16: Changed PRA Parameter(s).

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)	-4.68E-08	-4.68E-08	-2.98E-08	-2.98E-08	-1.28E-08	4.20E-08	4.43E-08	4.38E-08
URI (ΔCDF)	-7.54E-08	-7.54E-08	-4.87E-08	-4.87E-08	-4.54E-08	-4.54E-08	-4.54E-08	-4.54E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-1.20E-07**	**-7.90E-08**	**-7.90E-08**	**-5.80E-08**	**-3.40E-09**	**-1.10E-09**	**-1.70E-09**

TOP

Licensee Comments:
4Q/16: 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/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-9.29E-09	-7.07E-09	-7.31E-09	-4.62E-09	2.37E-09	-3.05E-09	-3.18E-09	-5.07E-09
URI (ΔCDF)	-1.31E-07	-1.28E-07	-4.63E-08	-4.65E-08	-5.07E-08	-5.08E-08	-5.06E-08	-5.04E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.40E-07**	**-5.40E-08**	**-5.10E-08**	**-4.80E-08**	**-5.40E-08**	**-5.40E-08**	**-5.50E-08**

TOP

Licensee Comments:
4Q/16: Changed PRA Parameter(s).

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)	4.80E-08	4.88E-08	3.99E-08	3.79E-08	4.46E-08	4.03E-08	4.68E-08	4.67E-08
URI (ΔCDF)	-6.85E-08	-6.85E-08	-7.11E-09	-7.11E-09	-6.92E-09	-6.92E-09	-2.46E-09	-2.46E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-08**	**-2.00E-08**	**3.30E-08**	**3.10E-08**	**3.80E-08**	**3.30E-08**	**4.40E-08**	**4.40E-08**

TOP

Licensee Comments:
4Q/16: Changed PRA Parameter(s).

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	0.000011	0.000012	0.000008	0.000012	0.000010	0.000011	0.000011	0.000011	0.000013	0.000013	0.000011	0.000009
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	N/A	0.000010	0.000010	0.000011	0.000011	0.000012	0.000009	0.000013	0.000011	0.000012	0.000011	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**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	1.685	1.693	1.691	1.690	1.711	1.721	1.721	1.702	1.706	1.723	1.734	1.741
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.6**	**5.6**	**5.6**	**5.6**	**5.7**	**5.7**	**5.7**	**5.7**	**5.7**	**5.7**	**5.8**	**5.8**

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	N/A	1.781	1.834	1.864	1.823	1.804	1.805	1.877	1.863	2.077	1.856	1.875
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**N/A**	**5.9**	**6.1**	**6.2**	**6.1**	**6.0**	**6.0**	**6.3**	**6.2**	**6.9**	**6.2**	**6.3**

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	39.0	58.0	84.0	48.0	15.0	34.0	59.0	37.0
Total opportunities	39.0	58.0	85.0	49.0	16.0	36.0	62.0	38.0
Indicator value	**95.8%**	**98.3%**	**98.4%**	**98.5%**	**98.7%**	**98.5%**	**97.9%**	**97.7%**

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	107.0	104.0	105.0	107.0	105.0	107.0	117.0	111.0
Total Key personnel	107.0	104.0	105.0	107.0	105.0	107.0	118.0	111.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.2%**	**100.0%**

TOP

Licensee Comments: none

Notes

Alert & Notification System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Successful siren-tests	303	287	287	282	273	251	251	273
Total sirens-tests	312	288	288	284	273	251	251	273
Indicator value	**99.1%**	**99.1%**	**99.0%**	**98.9%**	**99.6%**	**99.7%**	**99.8%**	**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

Cooper – Quarterly Performance Indicators

4Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: Updated with data from NRC license exams information that was not previously available due to exam security requirements.

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	0
Critical hours	2183.0	2184.0	2060.0	1318.8	2159.0	2184.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	2060.0	1318.8	2159.0	2184.0	2208.0	2209.0
Indicator value	**0.8**	**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

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Safety System Functional Failures	0	2	0	2	1	1	0	0
Indicator value	**1**	**3**	**2**	**4**	**5**	**4**	**4**	**2**

TOP

Licensee Comments: none

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)	1.46E-09	3.12E-09	3.22E-09	-5.28E-10	1.76E-09	-5.75E-10	-1.52E-09	-1.61E-09
URI (ΔCDF)	1.50E-08	5.52E-09	5.51E-09	5.19E-09	4.79E-09	4.85E-09	4.96E-09	-1.41E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.70E-08**	**8.60E-09**	**8.70E-09**	**4.70E-09**	**6.60E-09**	**4.30E-09**	**3.40E-09**	**-1.60E-08**

TOP

Licensee Comments:
4Q/16: Changed PRA Parameter(s).

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)	-5.40E-08	-4.34E-08	-4.32E-08	-2.79E-08	-2.79E-08	-2.80E-08	-2.80E-08	-2.87E-08
URI (ΔCDF)	-9.90E-08	6.69E-07	6.69E-07	4.55E-07	4.55E-07	4.55E-07	4.55E-07	4.55E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-07**	**6.30E-07**	**6.30E-07**	**4.30E-07**	**4.30E-07**	**4.30E-07**	**4.30E-07**	**4.30E-07**

TOP

Licensee Comments:
4Q/16: Changed PRA Parameter(s).

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

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)	-4.68E-08	-2.98E-08	-2.98E-08	-1.28E-08	4.20E-08	4.43E-08	4.38E-08	3.87E-08
URI (ΔCDF)	-7.54E-08	-4.87E-08	-4.87E-08	-4.54E-08	-4.54E-08	-4.54E-08	-4.54E-08	-4.54E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-07**	**-7.90E-08**	**-7.90E-08**	**-5.80E-08**	**-3.40E-09**	**-1.10E-09**	**-1.70E-09**	**-6.70E-09**

TOP

Licensee Comments:
4Q/16: 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/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-7.07E-09	-7.31E-09	-4.62E-09	2.37E-09	-3.05E-09	-3.18E-09	-5.07E-09	-7.52E-09
URI (ΔCDF)	-1.28E-07	-4.63E-08	-4.65E-08	-5.07E-08	-5.08E-08	-5.06E-08	-5.04E-08	-4.98E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-5.40E-08**	**-5.10E-08**	**-4.80E-08**	**-5.40E-08**	**-5.40E-08**	**-5.50E-08**	**-5.70E-08**

TOP

Licensee Comments:
4Q/16: 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/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	4.88E-08	3.99E-08	3.79E-08	4.46E-08	4.03E-08	4.68E-08	4.67E-08	4.53E-08
URI (ΔCDF)	-6.85E-08	-7.11E-09	-7.11E-09	-6.92E-09	-6.92E-09	-2.46E-09	-2.46E-09	-2.46E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.00E-08**	**3.30E-08**	**3.10E-08**	**3.80E-08**	**3.30E-08**	**4.40E-08**	**4.40E-08**	**4.30E-08**

TOP

Licensee Comments:
4Q/16: Changed PRA Parameter(s).

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	0.000012	0.000010	0.000011	0.000011	0.000011	0.000013	0.000013	0.000011	0.000009	N/A	0.000010	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000011	0.000011	0.000012	0.000009	0.000013	0.000011	0.000012	0.000011	0.000010	0.000011	0.000008	0.000011
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	1.690	1.711	1.721	1.721	1.702	1.706	1.723	1.734	1.741	N/A	1.781	1.834
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**5.6**	**5.7**	**5.7**	**5.7**	**5.7**	**5.7**	**5.7**	**5.8**	**5.8**	**N/A**	**5.9**	**6.1**

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	1.864	1.823	1.804	1.805	1.877	1.863	2.077	1.856	1.875	1.883	1.962	1.913
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	**6.2**	**6.1**	**6.0**	**6.0**	**6.3**	**6.2**	**6.9**	**6.2**	**6.3**	**6.3**	**6.5**	**6.4**

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	58.0	84.0	48.0	15.0	34.0	59.0	41.0	54.0
Total opportunities	58.0	85.0	49.0	16.0	36.0	62.0	42.0	54.0
Indicator value	**98.3%**	**98.4%**	**98.5%**	**98.7%**	**98.5%**	**97.9%**	**97.7%**	**97.8%**

TOP

Licensee Comments: none

Notes

ERO Drill Participation	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Participating Key personnel	104.0	105.0	107.0	105.0	107.0	117.0	111.0	109.0
Total Key personnel	104.0	105.0	107.0	105.0	107.0	118.0	111.0	109.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.2%**	**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	287	287	282	273	251	251	273	251
Total sirens-tests	288	288	284	273	251	251	273	252
Indicator value	**99.1%**	**99.0%**	**98.9%**	**99.6%**	**99.7%**	**99.8%**	**100.0%**	**99.9%**

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

Page Last Reviewed/Updated Monday, November 06, 2017