Quad Cities 2

1Q/2000 Performance Indicators

Licensee's General Comments: An initiative to ensure that the NEI 99-02 guidelines are consistently applied to the Safety System Unavailability (SSU) Performance Indicators amongst the 10 ComEd plants was completed. No change to the historical SSU data was required. * The first quarter performance indicator (PI) data elements were prepared in accordance with NEI 99-02 {Draft Revision D} and NRC Regulatory Issues Summary 2000-08.

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	1961.8	2183.0	2208.0	2209.0	1688.2
Indicator value	**1.0**	**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	0	0	0	0	1.0
Critical hours	1961.8	2183.0	2208.0	2209.0	1688.2
Indicator value	**2.9**	**0.8**	**0.8**	**0**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	89.30	1.35	6.00	9.52	36.53
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	2063.50	2183.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	27.20	22.60	103.65	18.26	11.23
Unplanned unavailable hours	0	31.50	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2063.50	2183.00	2208.00	2209.00	2184.00
Indicator value	**1.7%**	**1.7%**	**1.9%**	**1.6%**	**1.3%**

Licensee Comments:

1Q/00: The methodology utilized by Quad Cities Station for reporting required hours for EAC Unavailability has been changed to the default NEI 99-02 methodology of reporting all hours in the quarter. Prior to January 2000 the EAC Unavailability required hours reported were the actual hours that the Emergency Diesel Generators were required by Technical Specifications. No changes are being made to historical data. Starting with first quarter 2000 data, the EAC Unavailability required hours will be the total hours in the reporting quarter, in accordance with the default value outlined on page 30 of NEI 99-02, Revision 0.

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	13.65	93.85	13.58	6.47	6.52
Unplanned unavailable hours	0	0	0	17.10	0.72
Fault exposure hours	0	0	0	0	1.67
Effective Reset hours	0	0	0	0	0
Required hours	1961.80	2183.00	2208.00	2209.00	1688.20
Indicator value	**2.2%**	**1.8%**	**1.7%**	**1.8%**	**1.8%**

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/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	60.15	18.25	33.52	13.66	10.34
Unplanned unavailable hours	0	0	29.50	0	0.80
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1961.80	2183.00	2208.00	2209.00	1688.20
Indicator value	**1.0%**	**1.0%**	**1.3%**	**1.3%**	**1.4%**

Licensee Comments:

1Q/00: This indicator is GREEN due to the withdrawal of fault exposure hours associated with an event in August of 1999. These hours are being withdrawn in accordance with Frequently Asked Question 88 (page 39 of NEI 99-02 Revision 0). An analysis and review was performed, which included component failure analysis and engineering judgement, which determined that the time of failure was during the time the system was out for maintenance. This analysis was reviewed by station management. Therefore, there was no fault exposure time, and the time that was previously reported for the August 1999 event has been withdrawn.

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	24.70	10.75	32.00	7.02	0
Unplanned unavailable hours	0	0	0	4.52	3.83
Fault exposure hours	0	0	0	0	161.87
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	42.90	0	4.40	0	0
Unplanned unavailable hours	0	0	0	5.30	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	**0.2%**	**0.2%**	**0.3%**	**0.3%**	**0.6%**

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	3	4
Indicator value	**1**	**1**	**0**	**3**	**7**

Licensee Comments:

1Q/00: Two Safety System Functional Failures have been added to the first quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing. {With the fourth quarter 2001 submittal, one of the two abovementioned Safety System Functional Failures was withdrawn in accordance with a 12/4/01 NRC letter concerning IR 50-254(265)/01-08.}

1Q/00: Two Safety System Functional Failures have been added to the first quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing.

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	0.000250	0.000287	0.000298	0.000292	0.000302	0.000240	0.000280	0.000269	0.000242	0.000805	0.000104	0.000196
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**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.4**	**0.1**	**0.1**

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	1.500	1.400	1.400	2.030	1.850	1.900	1.850	1.940	1.850	1.850	1.740	1.540
Technical specification limit	20.0	20.0	20.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.5**	**7.0**	**7.0**	**8.1**	**7.4**	**7.6**	**7.4**	**7.8**	**7.4**	**7.4**	**7.0**	**6.2**

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	33.0	26.0	55.0	56.0	15.0
Total opportunities	34.0	27.0	55.0	57.0	17.0
Indicator value	**91.9%**	**93.3%**	**95.8%**	**96.9%**	**96.2%**

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	53.0	54.0	53.0	64.0	61.0
Total Key personnel	60.0	56.0	61.0	65.0	67.0
Indicator value	**88.3%**	**96.4%**	**86.9%**	**98.5%**	**91.0%**

Licensee Comments:

1Q/00: FAQ #22 in FAQ log #3 was reviewed by Commonwealth Edison (ComEd) Company Emergency Planning management and it was determined that no historical data changes were required. Common guidance was developed and implemented at the 10 ComEd plants for the collection of first quarter 2000 Emergency Response Organization Drill Participation performance indicator data.

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	3225	3217	3303	3219	3321
Total sirens-tests	3276	3328	3380	3276	3380
Indicator value	**98.5%**	**98.1%**	**98.0%**	**97.8%**	**97.7%**

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

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
IDS compensatory hours	152.65	267.69	47.69	22.10	28.50
CCTV compensatory hours	0.2	7.3	0.6	2.2	0
IDS normalization factor	1.00	1.00	1.00	1.00	1.00
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	**0.073**	**0.069**	**0.059**	**0.029**	**0.021**

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	**1**	**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

Quad Cities 2

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	2.0
Critical hours	2183.0	2208.0	2209.0	1688.2	2132.0
Indicator value	**0**	**0**	**0**	**0**	**1.7**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Scrams	0	0	0	0	1.0
Indicator value	**0**	**0**	**0**	**0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned power changes	0	0	0	1.0	1.0
Critical hours	2183.0	2208.0	2209.0	1688.2	2132.0
Indicator value	**0.8**	**0.8**	**0**	**0.8**	**1.7**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	1.35	6.00	9.52	36.53	72.54
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	22.60	103.65	18.26	11.23	11.32
Unplanned unavailable hours	31.50	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**1.7%**	**1.9%**	**1.6%**	**1.3%**	**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)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	93.85	13.58	6.47	6.52	76.61
Unplanned unavailable hours	0	0	17.10	0.72	0
Fault exposure hours	0	0	0	1.67	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1688.20	2132.00
Indicator value	**1.8%**	**1.7%**	**1.8%**	**1.8%**	**1.9%**

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/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	18.25	33.52	13.66	10.34	23.44
Unplanned unavailable hours	0	29.50	0	0.80	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	1688.20	2132.00
Indicator value	**1.0%**	**1.3%**	**1.3%**	**1.4%**	**1.3%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	10.75	32.00	7.02	0	0.05
Unplanned unavailable hours	0	0	4.52	3.83	0
Fault exposure hours	0	0	0	161.87	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	0	4.40	0	0	0
Unplanned unavailable hours	0	0	5.30	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**0.2%**	**0.3%**	**0.3%**	**0.6%**	**0.6%**

Licensee Comments: none

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	3	4	1
Indicator value	**1**	**0**	**3**	**7**	**8**

Licensee Comments:

2Q/00: This indicator is WHITE. A self-assessment of the Mitigating Systems Cornerstone that is being performed includes assessment of the systems that contributed to this WHITE indicator.

1Q/00: Two Safety System Functional Failures have been added to the first quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing. {With the fourth quarter 2001 submittal, one of the two abovementioned Safety System Functional Failures was withdrawn in accordance with a 12/4/01 NRC letter concerning IR 50-254(265)/01-08.}

1Q/00: Two Safety System Functional Failures have been added to the first quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing.

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	0.000292	0.000302	0.000240	0.000280	0.000269	0.000242	0.000805	0.000104	0.000196	0.000264	0.000273	0.000168
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**	**0.1**	**0.1**	**0.4**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00
Maximum leakage	2.030	1.850	1.900	1.850	1.940	1.850	1.850	1.740	1.540	1.530	2.040	2.120
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.1**	**7.4**	**7.6**	**7.4**	**7.8**	**7.4**	**7.4**	**7.0**	**6.2**	**6.1**	**8.2**	**8.5**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful opportunities	26.0	55.0	56.0	15.0	59.0
Total opportunities	27.0	55.0	57.0	17.0	62.0
Indicator value	**93.3%**	**95.8%**	**96.9%**	**96.2%**	**96.0%**

Licensee Comments:

2Q/00: ComEd has reviewed the guidance for determining the number of opportunities for the NRC Drill, Exercise and Event (DEP) Performance Indicator 08. The process ComEd uses to make a notification for a concurrent classification of General Emergency and an initial PAR for that classification cannot be logically separated into two notifications. The notification is made via the same call to the same audience. Success criteria requires both the classification and the PAR to be timely and accurate to count as a success. Therefore the notification is counted as one opportunity instead of two as suggested by the NEI guidance.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Participating Key personnel	54.0	53.0	64.0	61.0	69.0
Total Key personnel	56.0	61.0	65.0	67.0	72.0
Indicator value	**96.4%**	**86.9%**	**98.5%**	**91.0%**	**95.8%**

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	3217	3303	3219	3321	3190
Total sirens-tests	3328	3380	3276	3380	3328
Indicator value	**98.1%**	**98.0%**	**97.8%**	**97.7%**	**97.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
IDS compensatory hours	267.69	47.69	22.10	28.50	82.20
CCTV compensatory hours	7.3	0.6	2.2	0	4.3
IDS normalization factor	1.00	1.00	1.00	1.00	1.00
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	**0.069**	**0.059**	**0.029**	**0.021**	**0.011**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: April 1, 2002

Quad Cities 2

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	2.0	1.0
Critical hours	2208.0	2209.0	1688.2	2132.0	2181.0
Indicator value	**0**	**0**	**0**	**1.7**	**2.6**

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/99	4Q/99	1Q/00	2Q/00	3Q/00
Scrams	0	0	0	1.0	0
Indicator value	**0**	**0**	**0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned power changes	0	0	1.0	1.0	1.0
Critical hours	2208.0	2209.0	1688.2	2132.0	2181.0
Indicator value	**0.8**	**0**	**0.8**	**1.7**	**2.6**

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	6.00	9.52	36.53	72.54	52.84
Unplanned unavailable hours	0	0	0	0	58.18
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2					
Planned unavailable hours	103.65	18.26	11.23	11.32	69.70
Unplanned unavailable hours	0	0	0	0	3.30
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**1.9%**	**1.6%**	**1.3%**	**1.3%**	**1.6%**

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/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	13.58	6.47	6.52	76.61	6.15
Unplanned unavailable hours	0	17.10	0.72	0	0
Fault exposure hours	0	0	1.67	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	1688.20	2132.00	2181.00
Indicator value	**1.7%**	**1.8%**	**1.8%**	**1.9%**	**1.9%**

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)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	33.52	13.66	10.34	23.44	47.53
Unplanned unavailable hours	29.50	0	0.80	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	1688.20	2132.00	2181.00
Indicator value	**1.3%**	**1.3%**	**1.4%**	**1.3%**	**1.5%**

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	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	32.00	7.02	0	0.05	0
Unplanned unavailable hours	0	4.52	3.83	0	0.47
Fault exposure hours	0	0	161.87	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2					
Planned unavailable hours	4.40	0	0	0	2.13
Unplanned unavailable hours	0	5.30	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**0.3%**	**0.3%**	**0.6%**	**0.6%**	**0.6%**

Licensee Comments: none

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	3	4	1	0
Indicator value	**0**	**3**	**7**	**8**	**8**

Licensee Comments:

3Q/00: This indicator remains WHITE. A self-assessment of the Mitigating Systems Cornerstone has been performed including assessment of the systems that contributed to this WHITE indicator. Also, a common cause investigation and a supplemental NRC Inspection were performed for this indicator. The conclusions and corrective actions that resulted are in the corrective action program.

1Q/00: Two Safety System Functional Failures have been added to the first quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing. {With the fourth quarter 2001 submittal, one of the two abovementioned Safety System Functional Failures was withdrawn in accordance with a 12/4/01 NRC letter concerning IR 50-254(265)/01-08.}

1Q/00: Two Safety System Functional Failures have been added to the first quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing.

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	0.000280	0.000269	0.000242	0.000805	0.000104	0.000196	0.000264	0.000273	0.000168	0.000225	0.000207	0.000186
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**	**0.1**	**0.1**	**0.4**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	1.850	1.940	1.850	1.850	1.740	1.540	1.530	2.040	2.120	2.260	2.380	2.530
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.4**	**7.8**	**7.4**	**7.4**	**7.0**	**6.2**	**6.1**	**8.2**	**8.5**	**9.0**	**9.5**	**10.1**

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	55.0	56.0	15.0	59.0	50.0
Total opportunities	55.0	57.0	17.0	62.0	53.0
Indicator value	**95.8%**	**96.9%**	**96.2%**	**96.0%**	**96.4%**

Licensee Comments:

3Q/00: Third Quarter 2000 data collection process included a change based on FAQ 195 to count a notification opportunity that included both a classification and a Protective Action Recommendation as two notification opportunities.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Participating Key personnel	53.0	64.0	61.0	69.0	69.0
Total Key personnel	61.0	65.0	67.0	72.0	71.0
Indicator value	**86.9%**	**98.5%**	**91.0%**	**95.8%**	**97.2%**

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	3303	3219	3321	3190	3150
Total sirens-tests	3380	3276	3380	3328	3276
Indicator value	**98.0%**	**97.8%**	**97.7%**	**97.5%**	**97.1%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
IDS compensatory hours	47.69	22.10	28.50	82.20	24.32
CCTV compensatory hours	0.6	2.2	0	4.3	1.6
IDS normalization factor	1.00	1.00	1.00	1.00	1.00
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	**0.059**	**0.029**	**0.021**	**0.011**	**0.009**

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

Quad Cities 2

4Q/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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned scrams	0	0	2.0	1.0	0
Critical hours	2209.0	1688.2	2132.0	2181.0	2209.0
Indicator value	**0**	**0**	**1.7**	**2.6**	**2.6**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Scrams	0	0	1.0	0	0
Indicator value	**0**	**0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned power changes	0	1.0	1.0	1.0	1.0
Critical hours	2209.0	1688.2	2132.0	2181.0	2209.0
Indicator value	**0**	**0.8**	**1.7**	**2.6**	**3.4**

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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	9.52	36.53	72.54	52.84	14.39
Unplanned unavailable hours	0	0	0	58.18	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2					
Planned unavailable hours	18.26	11.23	11.32	69.70	64.85
Unplanned unavailable hours	0	0	0	3.30	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	**1.6%**	**1.3%**	**1.3%**	**1.6%**	**1.6%**

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	6.47	6.52	76.61	6.15	86.86
Unplanned unavailable hours	17.10	0.72	0	0	0
Fault exposure hours	0	1.67	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	1688.20	2132.00	2181.00	2209.00
Indicator value	**1.8%**	**1.8%**	**1.9%**	**1.9%**	**2.1%**

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/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	13.66	10.34	23.44	47.53	23.26
Unplanned unavailable hours	0	0.80	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	1688.20	2132.00	2181.00	2209.00
Indicator value	**1.3%**	**1.4%**	**1.3%**	**1.5%**	**1.5%**

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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	7.02	0	0.05	0	19.37
Unplanned unavailable hours	4.52	3.83	0	0.47	0
Fault exposure hours	0	161.87	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2					
Planned unavailable hours	0	0	0	2.13	9.62
Unplanned unavailable hours	5.30	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	**0.3%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**

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	3	4	1	0	0
Indicator value	**3**	**7**	**8**	**8**	**5**

Licensee Comments:

4Q/00: One Safety System Functional Failure has been added to the fourth quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing.

4Q/00: One Safety System Functional Failure has been added to the fourth quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing. {With the fourth quarter 2001 submittal, the abovementioned Safety System Functional Failure was withdrawn in accordance with a 12/4/01 NRC letter concerning IR 50-254(265)/01-08.}

1Q/00: Two Safety System Functional Failures have been added to the first quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing. {With the fourth quarter 2001 submittal, one of the two abovementioned Safety System Functional Failures was withdrawn in accordance with a 12/4/01 NRC letter concerning IR 50-254(265)/01-08.}

1Q/00: Two Safety System Functional Failures have been added to the first quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing.

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	0.000805	0.000104	0.000196	0.000264	0.000273	0.000168	0.000225	0.000207	0.000186	0.000247	0.000129	0.000355
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	**0.4**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**

Licensee Comments: none

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	1.850	1.740	1.540	1.530	2.040	2.120	2.260	2.380	2.530	2.720	2.970	3.080
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.4**	**7.0**	**6.2**	**6.1**	**8.2**	**8.5**	**9.0**	**9.5**	**10.1**	**10.9**	**11.9**	**12.3**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful opportunities	56.0	15.0	59.0	50.0	39.0
Total opportunities	57.0	17.0	62.0	53.0	39.0
Indicator value	**96.9%**	**96.2%**	**96.0%**	**96.4%**	**96.8%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Participating Key personnel	64.0	61.0	69.0	69.0	70.0
Total Key personnel	65.0	67.0	72.0	71.0	70.0
Indicator value	**98.5%**	**91.0%**	**95.8%**	**97.2%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful siren-tests	3219	3321	3190	3150	3202
Total sirens-tests	3276	3380	3328	3276	3276
Indicator value	**97.8%**	**97.7%**	**97.5%**	**97.1%**	**97.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
IDS compensatory hours	22.10	28.50	82.20	24.32	52.19
CCTV compensatory hours	2.2	0	4.3	1.6	0
IDS normalization factor	1.00	1.00	1.00	1.00	1.00
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	**0.029**	**0.021**	**0.011**	**0.009**	**0.011**

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

Quad Cities 2

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	2.0	1.0	0	0
Critical hours	2209.0	1688.2	2132.0	2181.0	2209.0	2097.5
Indicator value	**0**	**0**	**1.7**	**2.6**	**2.6**	**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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Scrams	0	0	1.0	0	0	0
Indicator value	**0**	**0**	**1.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned power changes	0	1.0	1.0	1.0	1.0	0
Critical hours	2209.0	1688.2	2132.0	2181.0	2209.0	2097.5
Indicator value	**0**	**0.8**	**1.7**	**2.6**	**3.4**	**2.4**

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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	9.52	36.53	72.54	52.84	14.39	77.72
Unplanned unavailable hours	0	0	0	58.18	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	18.26	11.23	11.32	69.70	64.85	33.45
Unplanned unavailable hours	0	0	0	3.30	0	2.62
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**1.6%**	**1.3%**	**1.3%**	**1.6%**	**1.6%**	**1.7%**

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/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	6.47	6.52	76.61	6.15	86.86	71.66
Unplanned unavailable hours	17.10	0.72	0	0	0	195.83
Fault exposure hours	0	1.67	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	1688.20	2132.00	2181.00	2209.00	2097.50
Indicator value	**1.8%**	**1.8%**	**1.9%**	**1.9%**	**2.1%**	**3.0%**

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/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	13.66	10.34	23.44	47.53	23.26	34.53
Unplanned unavailable hours	0	0.80	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	1688.20	2132.00	2181.00	2209.00	2097.50
Indicator value	**1.3%**	**1.4%**	**1.3%**	**1.5%**	**1.5%**	**1.5%**

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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	7.02	0	0.05	0	19.37	19.15
Unplanned unavailable hours	4.52	3.83	0	0.47	0	0
Fault exposure hours	0	161.87	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	0	0	0	2.13	9.62	16.73
Unplanned unavailable hours	5.30	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.3%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.7%**

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
Safety System Functional Failures	3	4	1	0	0	0
Indicator value	**3**	**7**	**8**	**8**	**5**	**1**

Licensee Comments:

4Q/00: One Safety System Functional Failure has been added to the fourth quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing.

4Q/00: One Safety System Functional Failure has been added to the fourth quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing. {With the fourth quarter 2001 submittal, the abovementioned Safety System Functional Failure was withdrawn in accordance with a 12/4/01 NRC letter concerning IR 50-254(265)/01-08.}

1Q/00: Two Safety System Functional Failures have been added to the first quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing. {With the fourth quarter 2001 submittal, one of the two abovementioned Safety System Functional Failures was withdrawn in accordance with a 12/4/01 NRC letter concerning IR 50-254(265)/01-08.}

1Q/00: Two Safety System Functional Failures have been added to the first quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing.

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	0.000280	0.000269	0.000242	0.000805	0.000104	0.000196	0.000264	0.000273	0.000168	0.000225	0.000207	0.000186
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**	**0.1**	**0.1**	**0.4**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000247	0.000129	0.000355	0.000109	0.000143	0.000088
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0**

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	1.850	1.940	1.850	1.850	1.740	1.540	1.530	2.040	2.120	2.260	2.380	2.530
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.4**	**7.8**	**7.4**	**7.4**	**7.0**	**6.2**	**6.1**	**8.2**	**8.5**	**9.0**	**9.5**	**10.1**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	2.720	2.970	3.080	3.400	3.910	4.250
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**10.9**	**11.9**	**12.3**	**13.6**	**15.6**	**17.0**

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
Successful opportunities	56.0	15.0	59.0	50.0	39.0	0
Total opportunities	57.0	17.0	62.0	53.0	39.0	0
Indicator value	**96.9%**	**96.2%**	**96.0%**	**96.4%**	**96.8%**	**96.8%**

Licensee Comments: none

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	64.0	61.0	69.0	69.0	70.0	65.0
Total Key personnel	65.0	67.0	72.0	71.0	70.0	65.0
Indicator value	**98.5%**	**91.0%**	**95.8%**	**97.2%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful siren-tests	3219	3321	3190	3150	3202	3285
Total sirens-tests	3276	3380	3328	3276	3276	3328
Indicator value	**97.8%**	**97.7%**	**97.5%**	**97.1%**	**97.0%**	**97.1%**

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
High radiation area occurrences	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
IDS compensatory hours	22.10	28.50	82.20	24.32	52.19	30.70
CCTV compensatory hours	2.2	0	4.3	1.6	0	0.1
IDS normalization factor	1.00	1.00	1.00	1.00	1.00	1.00
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.029**	**0.021**	**0.011**	**0.009**	**0.011**	**0.011**

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

Quad Cities 2

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	2.0	1.0	0	0	0
Critical hours	2209.0	1688.2	2132.0	2181.0	2209.0	2097.5	2183.0
Indicator value	**0**	**0**	**1.7**	**2.6**	**2.6**	**2.4**	**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	1.0	0	0	0	0
Indicator value	**0**	**0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned power changes	0	1.0	1.0	1.0	1.0	0	0
Critical hours	2209.0	1688.2	2132.0	2181.0	2209.0	2097.5	2183.0
Indicator value	**0**	**0.8**	**1.7**	**2.6**	**3.4**	**2.4**	**1.6**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	9.52	36.53	72.54	52.84	14.39	77.72	47.60
Unplanned unavailable hours	0	0	0	58.18	0	0	78.30
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2							
Planned unavailable hours	18.26	11.23	11.32	69.70	64.85	33.45	57.50
Unplanned unavailable hours	0	0	0	3.30	0	2.62	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**1.6%**	**1.3%**	**1.3%**	**1.6%**	**1.6%**	**1.7%**	**1.9%**

Licensee Comments:

2Q/01: A solenoid valve in the Unit 2 Emergency Diesel Generator fuel oil transfer system failed on May 1, 2001, due to an historical design deficiency. In accordance with NEI 99-02, Revision 0, fault exposure unavailability hours are not being reported for this event. A root cause analysis is in progress.

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	6.47	6.52	76.61	6.15	86.86	71.66	10.50
Unplanned unavailable hours	17.10	0.72	0	0	0	195.83	42.81
Fault exposure hours	0	1.67	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	1688.20	2132.00	2181.00	2209.00	2097.50	2183.00
Indicator value	**1.8%**	**1.8%**	**1.9%**	**1.9%**	**2.1%**	**3.0%**	**3.1%**

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/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	13.66	10.34	23.44	47.53	23.26	34.53	11.78
Unplanned unavailable hours	0	0.80	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	1688.20	2132.00	2181.00	2209.00	2097.50	2183.00
Indicator value	**1.3%**	**1.4%**	**1.3%**	**1.5%**	**1.5%**	**1.5%**	**1.4%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	7.02	0	0.05	0	19.37	19.15	0
Unplanned unavailable hours	4.52	3.83	0	0.47	0	0	0
Fault exposure hours	0	161.87	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2							
Planned unavailable hours	0	0	0	2.13	9.62	16.73	5.20
Unplanned unavailable hours	5.30	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.3%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.7%**	**0.7%**

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	3	4	1	0	0	0	0
Indicator value	**3**	**7**	**8**	**8**	**5**	**1**	**0**

Licensee Comments:

4Q/00: One Safety System Functional Failure has been added to the fourth quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing.

4Q/00: One Safety System Functional Failure has been added to the fourth quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing. {With the fourth quarter 2001 submittal, the abovementioned Safety System Functional Failure was withdrawn in accordance with a 12/4/01 NRC letter concerning IR 50-254(265)/01-08.}

1Q/00: Two Safety System Functional Failures have been added to the first quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing. {With the fourth quarter 2001 submittal, one of the two abovementioned Safety System Functional Failures was withdrawn in accordance with a 12/4/01 NRC letter concerning IR 50-254(265)/01-08.}

1Q/00: Two Safety System Functional Failures have been added to the first quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing.

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	0.000280	0.000269	0.000242	0.000805	0.000104	0.000196	0.000264	0.000273	0.000168	0.000225	0.000207	0.000186
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**	**0.1**	**0.1**	**0.4**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	0.000247	0.000129	0.000355	0.000109	0.000143	0.000088	0.000107	0.000136	0.000235
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**	**0.1**	**0.2**	**0.1**	**0.1**	**0**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	1.850	1.940	1.850	1.850	1.740	1.540	1.530	2.040	2.120	2.260	2.380	2.530
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.4**	**7.8**	**7.4**	**7.4**	**7.0**	**6.2**	**6.1**	**8.2**	**8.5**	**9.0**	**9.5**	**10.1**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	2.720	2.970	3.080	3.400	3.910	4.250	1.740	1.880	2.020
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**10.9**	**11.9**	**12.3**	**13.6**	**15.6**	**17.0**	**7.0**	**7.5**	**8.1**

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	56.0	15.0	59.0	50.0	39.0	0	45.0
Total opportunities	57.0	17.0	62.0	53.0	39.0	0	46.0
Indicator value	**96.9%**	**96.2%**	**96.0%**	**96.4%**	**96.8%**	**96.8%**	**97.0%**

Licensee Comments:

2Q/01: This indicator is changed to reflect the results of a June 26, 2001, evaluation that were not provided in the second quarter submittal. This change does not affect the color.

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	64.0	61.0	69.0	69.0	70.0	65.0	66.0
Total Key personnel	65.0	67.0	72.0	71.0	70.0	65.0	66.0
Indicator value	**98.5%**	**91.0%**	**95.8%**	**97.2%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful siren-tests	3219	3321	3190	3150	3202	3285	3299
Total sirens-tests	3276	3380	3328	3276	3276	3328	3328
Indicator value	**97.8%**	**97.7%**	**97.5%**	**97.1%**	**97.0%**	**97.1%**	**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	0
Very high radiation area occurrences	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
IDS compensatory hours	22.10	28.50	82.20	24.32	52.19	30.70	37.60
CCTV compensatory hours	2.2	0	4.3	1.6	0	0.1	0
IDS normalization factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.029**	**0.021**	**0.011**	**0.009**	**0.011**	**0.011**	**0.008**

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

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

Last Modified: March 27, 2002

Quad Cities 2

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	2.0	1.0	0	0	0	1.0
Critical hours	2209.0	1688.2	2132.0	2181.0	2209.0	2097.5	2183.0	1616.2
Indicator value	**0**	**0**	**1.7**	**2.6**	**2.6**	**2.4**	**0.8**	**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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Scrams	0	0	1.0	0	0	0	0	1.0
Indicator value	**0**	**0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**2.0**

Licensee Comments: none

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	1.0	1.0	0	0	1.0
Critical hours	2209.0	1688.2	2132.0	2181.0	2209.0	2097.5	2183.0	1616.2
Indicator value	**0**	**0.8**	**1.7**	**2.6**	**3.4**	**2.4**	**1.6**	**1.7**

Licensee Comments:

3Q/01: An FAQ has been submitted for this indicator. During third quarter 2001, the station dropped power greater than 20% on one occasion due to river water temperature. The power change was anticipated in accordance with station procedures, but due to the complexity of predicting river temperature could not be specifically planned 72 hours in advance. The FAQ was submitted in accordance with the guidance of NEI 99-02, Revision 1. {Note - With the fourth quarter 2001 submittal, the July 2001 data was changed to include a power change that occurred as a result of environmental effects. An FAQ was submitted in November 2001, and is currently under review.}

3Q/01: An FAQ has been submitted for this indicator. During third quarter 2001, the station dropped power greater than 20% on one occasion due to river water temperature. The power change was anticipated in accordance with station procedures, but due to the complexity of predicting river temperature could not be specifically planned 72 hours in advance. The FAQ was submitted in accordance with the guidance of NEI 99-02, Revision 1.

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	9.52	36.53	72.54	52.84	14.39	77.72	47.60	23.15
Unplanned unavailable hours	0	0	0	58.18	0	0	78.30	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	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	18.26	11.23	11.32	69.70	64.85	33.45	57.50	23.77
Unplanned unavailable hours	0	0	0	3.30	0	2.62	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	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**1.6%**	**1.3%**	**1.3%**	**1.6%**	**1.6%**	**1.7%**	**1.9%**	**2.0%**

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)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	6.47	6.52	76.61	6.15	86.86	71.66	10.50	4.79
Unplanned unavailable hours	17.10	0.72	0	0	0	195.83	42.81	0
Fault exposure hours	0	1.67	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1688.20	2132.00	2181.00	2209.00	2097.50	2183.00	1616.20
Indicator value	**1.8%**	**1.8%**	**1.9%**	**1.9%**	**2.1%**	**3.0%**	**3.1%**	**2.8%**

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)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	13.66	10.34	23.44	47.53	23.26	34.53	11.78	3.33
Unplanned unavailable hours	0	0.80	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	1688.20	2132.00	2181.00	2209.00	2097.50	2183.00	1616.20
Indicator value	**1.3%**	**1.4%**	**1.3%**	**1.5%**	**1.5%**	**1.5%**	**1.4%**	**1.4%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	7.02	0	0.05	0	19.37	19.15	0	3.88
Unplanned unavailable hours	4.52	3.83	0	0.47	0	0	0	0
Fault exposure hours	0	161.87	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	0	0	0	2.13	9.62	16.73	5.20	0
Unplanned unavailable hours	5.30	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
Indicator value	**0.3%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.7%**	**0.7%**	**0.7%**

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	3Q/01
Safety System Functional Failures	3	4	1	0	0	0	0	0
Indicator value	**3**	**7**	**8**	**8**	**5**	**1**	**0**	**0**

Licensee Comments:

4Q/00: One Safety System Functional Failure has been added to the fourth quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing. {With the fourth quarter 2001 submittal, the abovementioned Safety System Functional Failure was withdrawn in accordance with a 12/4/01 NRC letter concerning IR 50-254(265)/01-08.}

1Q/00: Two Safety System Functional Failures have been added to the first quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing. {With the fourth quarter 2001 submittal, one of the two abovementioned Safety System Functional Failures was withdrawn in accordance with a 12/4/01 NRC letter concerning IR 50-254(265)/01-08.}

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	0.000280	0.000269	0.000242	0.000805	0.000104	0.000196	0.000264	0.000273	0.000168	0.000225	0.000207	0.000186
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**	**0.1**	**0.1**	**0.4**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

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	0.000247	0.000129	0.000355	0.000109	0.000143	0.000088	0.000107	0.000136	0.000235	0.000333	0.000093	0.000097
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**	**0.1**	**0.2**	**0.1**	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0.2**	**0**	**0**

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	1.850	1.940	1.850	1.850	1.740	1.540	1.530	2.040	2.120	2.260	2.380	2.530
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.4**	**7.8**	**7.4**	**7.4**	**7.0**	**6.2**	**6.1**	**8.2**	**8.5**	**9.0**	**9.5**	**10.1**

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	2.720	2.970	3.080	3.400	3.910	4.250	1.740	1.880	2.020	2.080	2.400	2.400
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**10.9**	**11.9**	**12.3**	**13.6**	**15.6**	**17.0**	**7.0**	**7.5**	**8.1**	**8.3**	**9.6**	**9.6**

Licensee Comments: none

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	56.0	15.0	59.0	50.0	39.0	0	45.0	7.0
Total opportunities	57.0	17.0	62.0	53.0	39.0	0	46.0	10.0
Indicator value	**96.9%**	**96.2%**	**96.0%**	**96.4%**	**96.8%**	**96.8%**	**97.0%**	**95.4%**

Licensee Comments:

3Q/01: With the fourth quarter 2001 submittal, the September 2001 data was revised to correct an error.

2Q/01: This indicator is changed to reflect the results of a June 26, 2001, evaluation that were not provided in the second quarter submittal. This change does not affect the color.

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	64.0	61.0	69.0	69.0	70.0	65.0	66.0	67.0
Total Key personnel	65.0	67.0	72.0	71.0	70.0	65.0	66.0	67.0
Indicator value	**98.5%**	**91.0%**	**95.8%**	**97.2%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful siren-tests	3219	3321	3190	3150	3202	3285	3299	3256
Total sirens-tests	3276	3380	3328	3276	3276	3328	3328	3276
Indicator value	**97.8%**	**97.7%**	**97.5%**	**97.1%**	**97.0%**	**97.1%**	**97.9%**	**98.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
IDS compensatory hours	22.10	28.50	82.20	24.32	52.19	30.70	37.60	80.50
CCTV compensatory hours	2.2	0	4.3	1.6	0	0.1	0	13.9
IDS normalization factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.029**	**0.021**	**0.011**	**0.009**	**0.011**	**0.011**	**0.008**	**0.012**

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

Quad Cities 2

4Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned scrams	0	2.0	1.0	0	0	0	1.0	0
Critical hours	1688.2	2132.0	2181.0	2209.0	2097.5	2183.0	1616.2	2209.0
Indicator value	**0**	**1.7**	**2.6**	**2.6**	**2.4**	**0.8**	**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	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Scrams	0	1.0	0	0	0	0	1.0	0
Indicator value	**0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**2.0**	**2.0**

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	1.0	1.0	0	0	1.0	0
Critical hours	1688.2	2132.0	2181.0	2209.0	2097.5	2183.0	1616.2	2209.0
Indicator value	**0.8**	**1.7**	**2.6**	**3.4**	**2.4**	**1.6**	**1.7**	**0.9**

Licensee Comments:

4Q/01: With this 4th quarter 2001 submittal, the July 2001 data was changed to include a power change that occurred as a result of environmental effects. An FAQ was submitted in November 2001, and is currently under review.

3Q/01: An FAQ has been submitted for this indicator. During third quarter 2001, the station dropped power greater than 20% on one occasion due to river water temperature. The power change was anticipated in accordance with station procedures, but due to the complexity of predicting river temperature could not be specifically planned 72 hours in advance. The FAQ was submitted in accordance with the guidance of NEI 99-02, Revision 1. {Note - With the fourth quarter 2001 submittal, the July 2001 data was changed to include a power change that occurred as a result of environmental effects. An FAQ was submitted in November 2001, and is currently under review.}

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	36.53	72.54	52.84	14.39	77.72	47.60	23.15	8.58
Unplanned unavailable hours	0	0	58.18	0	0	78.30	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	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	11.23	11.32	69.70	64.85	33.45	57.50	23.77	20.97
Unplanned unavailable hours	0	0	3.30	0	2.62	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	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**1.3%**	**1.3%**	**1.6%**	**1.6%**	**1.7%**	**1.9%**	**2.0%**	**2.1%**

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/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	6.52	76.61	6.15	86.86	71.66	10.50	4.79	5.97
Unplanned unavailable hours	0.72	0	0	0	195.83	42.81	0	0
Fault exposure hours	1.67	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1688.20	2132.00	2181.00	2209.00	2097.50	2183.00	1616.20	2209.00
Indicator value	**1.8%**	**1.9%**	**1.9%**	**2.1%**	**3.0%**	**3.1%**	**2.8%**	**2.6%**

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)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	10.34	23.44	47.53	23.26	34.53	11.78	3.33	51.60
Unplanned unavailable hours	0.80	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	1688.20	2132.00	2181.00	2209.00	2097.50	2183.00	1616.20	2209.00
Indicator value	**1.4%**	**1.3%**	**1.5%**	**1.5%**	**1.5%**	**1.4%**	**1.4%**	**1.5%**

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/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	0	0.05	0	19.37	19.15	0	3.88	0
Unplanned unavailable hours	3.83	0	0.47	0	0	0	0	0
Fault exposure hours	161.87	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	0	0	2.13	9.62	16.73	5.20	0	4.03
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
Indicator value	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**

Licensee Comments: none

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	4	1	0	0	0	0	0	0
Indicator value	**7**	**8**	**8**	**5**	**1**	**0**	**0**	**0**

Licensee Comments:

4Q/01: One Safety System Functional Failure concerning Emergency Diesel Generator vent fan power select switch was withdrawn from the first quarter 2000 data and one Safety System Functional Failure concerning the Safe Shutdown Makeup Pump was withdrawn from the fourth quarter 2000 data. This was done in accordance with a 12/4/01 NRC letter concerning IR 50-254(265)/01-08.

4Q/00: One Safety System Functional Failure has been added to the fourth quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing. {With the fourth quarter 2001 submittal, the abovementioned Safety System Functional Failure was withdrawn in accordance with a 12/4/01 NRC letter concerning IR 50-254(265)/01-08.}

1Q/00: Two Safety System Functional Failures have been added to the first quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing. {With the fourth quarter 2001 submittal, one of the two abovementioned Safety System Functional Failures was withdrawn in accordance with a 12/4/01 NRC letter concerning IR 50-254(265)/01-08.}

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	0.000805	0.000104	0.000196	0.000264	0.000273	0.000168	0.000225	0.000207	0.000186	0.000247	0.000129	0.000355
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	**0.4**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**

Reactor Coolant System 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	0.000109	0.000143	0.000088	0.000107	0.000136	0.000235	0.000333	0.000093	0.000097	0.000313	0.000080	0.000076
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**	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0.2**	**0**	**0**	**0.2**	**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	1.850	1.740	1.540	1.530	2.040	2.120	2.260	2.380	2.530	2.720	2.970	3.080
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.4**	**7.0**	**6.2**	**6.1**	**8.2**	**8.5**	**9.0**	**9.5**	**10.1**	**10.9**	**11.9**	**12.3**

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	3.400	3.910	4.250	1.740	1.880	2.020	2.080	2.400	2.400	2.500	2.570	2.560
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**13.6**	**15.6**	**17.0**	**7.0**	**7.5**	**8.1**	**8.3**	**9.6**	**9.6**	**10.0**	**10.3**	**10.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful opportunities	15.0	59.0	50.0	39.0	0	45.0	7.0	47.0
Total opportunities	17.0	62.0	53.0	39.0	0	46.0	10.0	50.0
Indicator value	**96.2%**	**96.0%**	**96.4%**	**96.8%**	**96.8%**	**97.0%**	**95.4%**	**94.6%**

Licensee Comments:

4Q/01: During the 4th quarter 2001, an error was made in developing a PAR. The subsequent notification reflected this error. This is being reported as two failed opportunities. An FAQ is being submitted for clarification concerning whether this should be reported as two failed opportunities or one failed opportunity. Additionally, along with this quarterly submittal, the June 2001 and September 2001 data was revised to correct utility-identified errors.

3Q/01: With the fourth quarter 2001 submittal, the September 2001 data was revised to correct an error.

2Q/01: This indicator is changed to reflect the results of a June 26, 2001, evaluation that were not provided in the second quarter submittal. This change does not affect the color.

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	61.0	69.0	69.0	70.0	65.0	66.0	67.0	56.0
Total Key personnel	67.0	72.0	71.0	70.0	65.0	66.0	67.0	56.0
Indicator value	**91.0%**	**95.8%**	**97.2%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful siren-tests	3321	3190	3150	3202	3285	3299	3256	3259
Total sirens-tests	3380	3328	3276	3276	3328	3328	3276	3276
Indicator value	**97.7%**	**97.5%**	**97.1%**	**97.0%**	**97.1%**	**97.9%**	**98.7%**	**99.2%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
IDS compensatory hours	28.50	82.20	24.32	52.19	30.70	37.60	80.50	46.40
CCTV compensatory hours	0	4.3	1.6	0	0.1	0	13.9	1.4
IDS normalization factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.021**	**0.011**	**0.009**	**0.011**	**0.011**	**0.008**	**0.012**	**0.012**

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

Quad Cities 2

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	2.0	1.0	0	0	0	1.0	0	0
Critical hours	2132.0	2181.0	2209.0	2097.5	2183.0	1616.2	2209.0	1624.5
Indicator value	**1.7**	**2.6**	**2.6**	**2.4**	**0.8**	**0.9**	**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	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Scrams	1.0	0	0	0	0	1.0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**2.0**	**2.0**	**2.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned power changes	1.0	1.0	1.0	0	0	1.0	0	1.0
Critical hours	2132.0	2181.0	2209.0	2097.5	2183.0	1616.2	2209.0	1624.5
Indicator value	**1.7**	**2.6**	**3.4**	**2.4**	**1.6**	**1.7**	**0.9**	**1.8**

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	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	72.54	52.84	14.39	77.72	47.60	23.15	8.58	24.73
Unplanned unavailable hours	0	58.18	0	0	78.30	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	11.32	69.70	64.85	33.45	57.50	23.77	20.97	11.85
Unplanned unavailable hours	0	3.30	0	2.62	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**1.3%**	**1.6%**	**1.6%**	**1.7%**	**1.9%**	**2.0%**	**2.1%**	**1.9%**

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)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	76.61	6.15	86.86	71.66	10.50	4.79	5.97	8.01
Unplanned unavailable hours	0	0	0	195.83	42.81	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	2132.00	2181.00	2209.00	2097.50	2183.00	1616.20	2209.00	1624.50
Indicator value	**1.9%**	**1.9%**	**2.1%**	**3.0%**	**3.1%**	**2.8%**	**2.6%**	**2.6%**

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)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	23.44	47.53	23.26	34.53	11.78	3.33	51.60	5.12
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2132.00	2181.00	2209.00	2097.50	2183.00	1616.20	2209.00	1624.50
Indicator value	**1.3%**	**1.5%**	**1.5%**	**1.5%**	**1.4%**	**1.4%**	**1.5%**	**1.2%**

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	0.05	0	19.37	19.15	0	3.88	0	12.13
Unplanned unavailable hours	0	0.47	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	2.13	9.62	16.73	5.20	0	4.03	7.03
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
Indicator value	**0.6%**	**0.6%**	**0.6%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.6%**

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	1	0	0	0	0	0	0	0
Indicator value	**8**	**8**	**5**	**1**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000264	0.000273	0.000168	0.000225	0.000207	0.000186	0.000247	0.000129	0.000355	0.000109	0.000143	0.000088
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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0**

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	0.000107	0.000136	0.000235	0.000333	0.000093	0.000097	0.000313	0.000080	0.000076	0.000090	0.000055	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	**0.1**	**0.1**	**0.1**	**0.2**	**0**	**0**	**0.2**	**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	1.530	2.040	2.120	2.260	2.380	2.530	2.720	2.970	3.080	3.400	3.910	4.250
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.1**	**8.2**	**8.5**	**9.0**	**9.5**	**10.1**	**10.9**	**11.9**	**12.3**	**13.6**	**15.6**	**17.0**

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	1.740	1.880	2.020	2.080	2.400	2.400	2.500	2.570	2.560	2.990	2.940	3.190
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.0**	**7.5**	**8.1**	**8.3**	**9.6**	**9.6**	**10.0**	**10.3**	**10.2**	**12.0**	**11.8**	**12.8**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful opportunities	59.0	50.0	39.0	0	45.0	7.0	47.0	0
Total opportunities	62.0	53.0	39.0	0	46.0	10.0	50.0	0
Indicator value	**96.0%**	**96.4%**	**96.8%**	**96.8%**	**97.0%**	**95.4%**	**94.6%**	**95.0%**

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	69.0	69.0	70.0	65.0	66.0	67.0	56.0	42.0
Total Key personnel	72.0	71.0	70.0	65.0	66.0	67.0	56.0	45.0
Indicator value	**95.8%**	**97.2%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**93.3%**

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	3190	3150	3202	3436	3453	3405	3311	3256
Total sirens-tests	3328	3276	3276	3484	3484	3432	3328	3276
Indicator value	**97.5%**	**97.1%**	**97.0%**	**97.1%**	**97.9%**	**98.7%**	**99.1%**	**99.3%**

Licensee Comments:

1Q/02: A revision has been made to previously submitted data for the Alert and Notification System (ANS) Reliability indicator. It was determined there was one day each month where both a full test and a silent test of ANS sirens was performed; however, only one of these tests had been reported. The data for the first through fourth quarters in 2001 was affected and has been revised (1Q2001, 2Q2001, 3Q2001 and 4Q2001). The change to the data does not affect the color of the indicator.

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
IDS compensatory hours	82.20	24.32	52.19	30.70	37.60	80.50	46.40	192.60
CCTV compensatory hours	4.3	1.6	0	0.1	0	13.9	1.4	0
IDS normalization factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.011**	**0.009**	**0.011**	**0.011**	**0.008**	**0.012**	**0.012**	**0.021**

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

Quad Cities 2

2Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Unplanned scrams	1.0	0	0	0	1.0	0	0	1.0
Critical hours	2181.0	2209.0	2097.5	2183.0	1616.2	2209.0	1624.5	2150.0
Indicator value	**2.6**	**2.6**	**2.4**	**0.8**	**0.9**	**0.9**	**0.9**	**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	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Scrams	0	0	0	0	1.0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**2.0**	**2.0**	**2.0**	**2.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Unplanned power changes	1.0	1.0	0	0	0	0	1.0	0
Critical hours	2181.0	2209.0	2097.5	2183.0	1616.2	2209.0	1624.5	2150.0
Indicator value	**2.6**	**3.4**	**2.4**	**1.6**	**0.9**	**0**	**0.9**	**0.9**

Licensee Comments:

2Q/02: The historical data for July 2001 has been revised to remove a load drop taken in response to environmental effects. This is in accordance with the response to the submitted FAQ.

3Q/01: An FAQ has been submitted for this indicator. During third quarter 2001, the station dropped power greater than 20% on one occasion due to river water temperature. The power change was anticipated in accordance with station procedures, but due to the complexity of predicting river temperature could not be specifically planned 72 hours in advance. The FAQ was submitted in accordance with the guidance of NEI 99-02, Revision 1. {Note - With the fourth quarter 2001 submittal, the July 2001 data was changed to include a power change that occurred as a result of environmental effects. An FAQ was submitted in November 2001, and is currently under review.}{The load drop in July 2001 has been removed in accordance with the response to the submitted FAQ}

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	52.84	14.39	77.72	47.60	23.15	8.58	24.73	14.47
Unplanned unavailable hours	58.18	0	0	78.30	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	69.70	64.85	33.45	57.50	23.77	20.97	11.85	18.28
Unplanned unavailable hours	3.30	0	2.62	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**1.6%**	**1.6%**	**1.7%**	**1.9%**	**2.0%**	**2.1%**	**1.9%**	**1.9%**

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)	**3Q/00**	**4Q/00**	**1Q/01**	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**
Train 1								
Planned unavailable hours	6.15	86.86	71.66	10.50	4.79	5.97	8.01	57.08
Unplanned unavailable hours	0	0	195.83	42.81	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	2181.00	2209.00	2097.50	2183.00	1616.20	2209.00	1624.50	2150.00
Indicator value	**1.9%**	**2.1%**	**3.0%**	**3.1%**	**2.8%**	**2.6%**	**2.6%**	**2.5%**

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	47.53	23.26	34.53	11.78	3.33	51.60	5.12	8.37
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2181.00	2209.00	2097.50	2183.00	1616.20	2209.00	1624.50	2150.00
Indicator value	**1.5%**	**1.5%**	**1.5%**	**1.4%**	**1.4%**	**1.5%**	**1.2%**	**1.2%**

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/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	0	19.37	19.15	0	3.88	0	12.13	9.22
Unplanned unavailable hours	0.47	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	2.13	9.62	16.73	5.20	0	4.03	7.03	69.80
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
Indicator value	**0.6%**	**0.6%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.6%**	**0.8%**

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	0	0	1
Indicator value	**8**	**5**	**1**	**0**	**0**	**0**	**0**	**1**

Licensee Comments: none

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	0.000225	0.000207	0.000186	0.000247	0.000129	0.000355	0.000109	0.000143	0.000088	0.000107	0.000136	0.000235
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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.1**	**0**	**0.1**	**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	0.000333	0.000093	0.000097	0.000313	0.000080	0.000076	0.000090	0.000055	0.000043	0.000046	0.000050	0.000047
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**	**0**	**0.2**	**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	2.260	2.380	2.530	2.720	2.970	3.080	3.400	3.910	4.250	1.740	1.880	2.020
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**9.0**	**9.5**	**10.1**	**10.9**	**11.9**	**12.3**	**13.6**	**15.6**	**17.0**	**7.0**	**7.5**	**8.1**

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	2.080	2.400	2.400	2.500	2.570	2.560	2.990	2.940	3.190	1.920	2.450	2.660
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.3**	**9.6**	**9.6**	**10.0**	**10.3**	**10.2**	**12.0**	**11.8**	**12.8**	**7.7**	**9.8**	**10.6**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful opportunities	50.0	39.0	0	45.0	7.0	48.0	0	43.0
Total opportunities	53.0	39.0	0	46.0	10.0	50.0	0	44.0
Indicator value	**96.4%**	**96.8%**	**96.8%**	**97.0%**	**95.4%**	**94.9%**	**95.4%**	**95.9%**

Licensee Comments:

2Q/02: The historical data for December 2001 has been revised to reflect only one failed opportunity. This is in accordance with the response to the submitted FAQ.

4Q/01: During the 4th quarter 2001, an error was made in developing a PAR. The subsequent notification reflected this error. This is being reported as two failed opportunities. An FAQ is being submitted for clarification concerning whether this should be reported as two failed opportunities or one failed opportunity. Additionally, along with this quarterly submittal, the June 2001 and September 2001 data was revised to correct utility-identified errors. {The December 2001 data has been revised to reflect only one failed opportunity, in accordance with the response to the submitted FAQ.}

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	69.0	70.0	65.0	66.0	67.0	56.0	42.0	51.0
Total Key personnel	71.0	70.0	65.0	66.0	67.0	56.0	45.0	53.0
Indicator value	**97.2%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**93.3%**	**96.2%**

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	3150	3202	3436	3453	3405	3311	3256	3313
Total sirens-tests	3276	3276	3484	3484	3432	3328	3276	3328
Indicator value	**97.1%**	**97.0%**	**97.1%**	**97.9%**	**98.7%**	**99.1%**	**99.3%**	**99.4%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

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	24.32	52.19	30.70	37.60	80.50	46.40	192.60	221.90
CCTV compensatory hours	1.6	0	0.1	0	13.9	1.4	0	0.3
IDS normalization factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.009**	**0.011**	**0.011**	**0.008**	**0.012**	**0.012**	**0.021**	**0.032**

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

Quad Cities 2

3Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned scrams	0	0	0	1.0	0	0	1.0	0
Critical hours	2209.0	2097.5	2183.0	1616.2	2209.0	1624.5	2150.0	1967.3
Indicator value	**2.6**	**2.4**	**0.8**	**0.9**	**0.9**	**0.9**	**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	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Scrams	0	0	0	1.0	0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned power changes	1.0	0	0	0	0	1.0	0	1.0
Critical hours	2209.0	2097.5	2183.0	1616.2	2209.0	1624.5	2150.0	1967.3
Indicator value	**3.4**	**2.4**	**1.6**	**0.9**	**0**	**0.9**	**0.9**	**1.8**

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	14.39	77.72	47.60	23.15	8.58	24.73	14.47	20.60
Unplanned unavailable hours	0	0	78.30	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	64.85	33.45	57.50	23.77	20.97	11.85	18.28	18.68
Unplanned unavailable hours	0	2.62	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**1.6%**	**1.7%**	**1.9%**	**2.0%**	**2.1%**	**1.9%**	**1.9%**	**1.7%**

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	86.86	71.66	10.50	4.79	5.97	8.01	57.08	4.03
Unplanned unavailable hours	0	195.83	42.81	0	0	0	0	0.22
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	2097.50	2183.00	1616.20	2209.00	1624.50	2150.00	1967.30
Indicator value	**2.1%**	**3.0%**	**3.1%**	**2.8%**	**2.6%**	**2.6%**	**2.5%**	**2.5%**

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)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	23.26	34.53	11.78	3.33	51.60	5.12	8.37	9.49
Unplanned unavailable hours	0	0	0	0	0	0	0	5.00
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	2097.50	2183.00	1616.20	2209.00	1624.50	2150.00	1967.30
Indicator value	**1.5%**	**1.5%**	**1.4%**	**1.4%**	**1.5%**	**1.2%**	**1.2%**	**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/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	19.37	19.15	0	3.88	0	12.13	9.22	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	9.62	16.73	5.20	0	4.03	7.03	69.80	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
Indicator value	**0.6%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.6%**	**0.8%**	**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	0	0	1	0
Indicator value	**5**	**1**	**0**	**0**	**0**	**0**	**1**	**1**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**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	0.000247	0.000129	0.000355	0.000109	0.000143	0.000088	0.000107	0.000136	0.000235	0.000333	0.000093	0.000097
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**	**0.1**	**0.2**	**0.1**	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0.2**	**0**	**0**

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	0.000313	0.000080	0.000076	0.000090	0.000055	0.000043	0.000046	0.000050	0.000047	0.000041	0.000044	0.000057
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**	**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	2.720	2.970	3.080	3.400	3.910	4.250	1.740	1.880	2.020	2.080	2.400	2.400
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**10.9**	**11.9**	**12.3**	**13.6**	**15.6**	**17.0**	**7.0**	**7.5**	**8.1**	**8.3**	**9.6**	**9.6**

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	2.500	2.570	2.560	2.990	2.940	3.190	1.920	2.450	2.660	2.280	2.030	2.010
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**10.0**	**10.3**	**10.2**	**12.0**	**11.8**	**12.8**	**7.7**	**9.8**	**10.6**	**9.1**	**8.1**	**8.0**

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	39.0	0	45.0	7.0	48.0	0	43.0	55.0
Total opportunities	39.0	0	46.0	10.0	50.0	0	44.0	56.0
Indicator value	**96.8%**	**96.8%**	**97.0%**	**95.4%**	**94.9%**	**95.4%**	**95.9%**	**96.7%**

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	70.0	65.0	66.0	67.0	56.0	42.0	51.0	54.0
Total Key personnel	70.0	65.0	66.0	67.0	56.0	45.0	53.0	54.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**93.3%**	**96.2%**	**100.0%**

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	3202	3436	3453	3405	3311	3256	3313	3301
Total sirens-tests	3276	3484	3484	3432	3328	3276	3328	3328
Indicator value	**97.0%**	**97.1%**	**97.9%**	**98.7%**	**99.1%**	**99.3%**	**99.4%**	**99.4%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
IDS compensatory hours	52.19	30.70	37.60	80.50	46.40	192.60	221.90	61.20
CCTV compensatory hours	0	0.1	0	13.9	1.4	0	0.3	1.6
IDS normalization factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.011**	**0.011**	**0.008**	**0.012**	**0.012**	**0.021**	**0.032**	**0.030**

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

Quad Cities 2

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	1.0	0	0	1.0	0	0
Critical hours	2097.5	2183.0	1616.2	2209.0	1624.5	2150.0	1967.3	2209.0
Indicator value	**2.4**	**0.8**	**0.9**	**0.9**	**0.9**	**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	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Scrams	0	0	1.0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned power changes	0	0	0	0	1.0	0	1.0	0
Critical hours	2097.5	2183.0	1616.2	2209.0	1624.5	2150.0	1967.3	2209.0
Indicator value	**2.4**	**1.6**	**0.9**	**0**	**0.9**	**0.9**	**1.8**	**1.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	77.72	47.60	23.15	8.58	24.73	14.47	20.60	14.70
Unplanned unavailable hours	0	78.30	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	33.45	57.50	23.77	20.97	11.85	18.28	18.68	92.85
Unplanned unavailable hours	2.62	0	0	0	0	0	0	20.15
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**1.7%**	**1.9%**	**2.0%**	**2.1%**	**1.9%**	**1.9%**	**1.7%**	**1.9%**

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/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	71.66	10.50	4.79	5.97	8.01	57.08	4.03	33.02
Unplanned unavailable hours	195.83	42.81	0	0	0	0	0.22	0.08
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2097.50	2183.00	1616.20	2209.00	1624.50	2150.00	1967.30	2209.00
Indicator value	**3.0%**	**3.1%**	**2.8%**	**2.6%**	**2.6%**	**2.5%**	**2.5%**	**2.5%**

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)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	34.53	11.78	3.33	51.60	5.12	8.37	9.49	26.37
Unplanned unavailable hours	0	0	0	0	0	0	5.00	0.08
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2097.50	2183.00	1616.20	2209.00	1624.50	2150.00	1967.30	2209.00
Indicator value	**1.5%**	**1.4%**	**1.4%**	**1.5%**	**1.2%**	**1.2%**	**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/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	19.15	0	3.88	0	12.13	9.22	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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	16.73	5.20	0	4.03	7.03	69.80	0	30.72
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.6%**	**0.8%**	**0.7%**	**0.7%**

Licensee Comments:

4Q/02: An event involving a potential loss of fill on the Residual Heat Removal (RHR) system is currently under review. The event was discovered on January 4, 2003. The event may potentially involve Fault Exposure (possibly T/2) for both the 4th quarter 2002 and the 1st quarter 2003.

Safety System Functional Failures (BWR)

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	0	0	1	0	1
Indicator value	**1**	**0**	**0**	**0**	**0**	**1**	**1**	**2**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	0.000109	0.000143	0.000088	0.000107	0.000136	0.000235	0.000333	0.000093	0.000097	0.000313	0.000080	0.000076
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**	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0.2**	**0**	**0**	**0.2**	**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	0.000090	0.000055	0.000043	0.000046	0.000050	0.000047	0.000041	0.000044	0.000057	0.000042	0.000042	0.000038
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	3.400	3.910	4.250	1.740	1.880	2.020	2.080	2.400	2.400	2.500	2.570	2.560
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**13.6**	**15.6**	**17.0**	**7.0**	**7.5**	**8.1**	**8.3**	**9.6**	**9.6**	**10.0**	**10.3**	**10.2**

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	2.990	2.940	3.190	1.920	2.450	2.660	2.280	2.030	2.010	1.910	1.850	1.890
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**12.0**	**11.8**	**12.8**	**7.7**	**9.8**	**10.6**	**9.1**	**8.1**	**8.0**	**7.6**	**7.4**	**7.6**

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	0	45.0	7.0	48.0	0	43.0	55.0	30.0
Total opportunities	0	46.0	10.0	50.0	0	44.0	56.0	32.0
Indicator value	**96.8%**	**97.0%**	**95.4%**	**94.9%**	**95.4%**	**95.9%**	**96.7%**	**95.8%**

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	65.0	66.0	67.0	56.0	42.0	51.0	54.0	52.0
Total Key personnel	65.0	66.0	67.0	56.0	45.0	53.0	54.0	53.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**93.3%**	**96.2%**	**100.0%**	**98.1%**

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	3436	3453	3405	3311	3256	3313	3301	3306
Total sirens-tests	3484	3484	3432	3328	3276	3328	3328	3328
Indicator value	**97.1%**	**97.9%**	**98.7%**	**99.1%**	**99.3%**	**99.4%**	**99.4%**	**99.4%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
IDS compensatory hours	30.70	37.60	80.50	46.40	192.60	221.90	61.20	200.10
CCTV compensatory hours	0.1	0	13.9	1.4	0	0.3	1.6	39.5
IDS normalization factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.011**	**0.008**	**0.012**	**0.012**	**0.021**	**0.032**	**0.030**	**0.041**

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

Quad Cities 2

1Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned scrams	0	1.0	0	0	1.0	0	0	0
Critical hours	2183.0	1616.2	2209.0	1624.5	2150.0	1967.3	2209.0	2160.0
Indicator value	**0.8**	**0.9**	**0.9**	**0.9**	**1.8**	**0.9**	**0.9**	**0.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Scrams	0	1.0	0	0	0	0	0	0
Indicator value	**1.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned power changes	0	0	0	1.0	0	1.0	0	0
Critical hours	2183.0	1616.2	2209.0	1624.5	2150.0	1967.3	2209.0	2160.0
Indicator value	**1.6**	**0.9**	**0**	**0.9**	**0.9**	**1.8**	**1.8**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	47.60	23.15	8.58	24.73	14.47	20.60	14.70	14.73
Unplanned unavailable hours	78.30	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	57.50	23.77	20.97	11.85	18.28	18.68	92.85	38.77
Unplanned unavailable hours	0	0	0	0	0	0	20.15	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	**1.9%**	**2.0%**	**2.1%**	**1.9%**	**1.9%**	**1.7%**	**1.9%**	**1.9%**

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)	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**
Train 1								
Planned unavailable hours	10.50	4.79	5.97	8.01	57.08	4.03	33.02	13.00
Unplanned unavailable hours	42.81	0	0	0	0	0.22	0.08	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	1616.20	2209.00	1624.50	2150.00	1967.30	2209.00	2160.00
Indicator value	**3.1%**	**2.8%**	**2.6%**	**2.6%**	**2.5%**	**2.5%**	**2.5%**	**2.5%**

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)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	11.78	3.33	51.60	5.12	8.37	9.49	26.37	47.89
Unplanned unavailable hours	0	0	0	0	0	5.00	0.08	14.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	1616.20	2209.00	1624.50	2150.00	1967.30	2209.00	2160.00
Indicator value	**1.4%**	**1.4%**	**1.5%**	**1.2%**	**1.2%**	**1.0%**	**1.1%**	**1.3%**

Licensee Comments:

1Q/03: The Reactor Core Isolation Cooling system (RCIC) failed to start on March 12, 2003, during a surveillance following maintenance. RCIC tripped on an overspeed signal due to a frayed wire. The last successful test of the system was on December 11, 2002. Taking into account 46.32 hours of planned unavailability in that time frame, there were 1048.9 hours of T/2 fault exposure time.

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	3.88	0	12.13	9.22	0	0	126.80
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	5.20	0	4.03	7.03	69.80	0	30.72	32.50
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.6%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**

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	0	0	1	0	1	1
Indicator value	**0**	**0**	**0**	**0**	**1**	**1**	**2**	**3**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/01**	**5/01**	**6/01**	**7/01**	**8/01**	**9/01**	**10/01**	**11/01**	**12/01**	**1/02**	**2/02**	**3/02**
Maximum activity	0.000107	0.000136	0.000235	0.000333	0.000093	0.000097	0.000313	0.000080	0.000076	0.000090	0.000055	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	**0.1**	**0.1**	**0.1**	**0.2**	**0**	**0**	**0.2**	**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	0.000046	0.000050	0.000047	0.000041	0.000044	0.000057	0.000042	0.000042	0.000038	0.000033	0.000042	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

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	1.740	1.880	2.020	2.080	2.400	2.400	2.500	2.570	2.560	2.990	2.940	3.190
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.0**	**7.5**	**8.1**	**8.3**	**9.6**	**9.6**	**10.0**	**10.3**	**10.2**	**12.0**	**11.8**	**12.8**

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	1.920	2.450	2.660	2.280	2.030	2.010	1.910	1.850	1.890	1.990	1.950	1.990
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.7**	**9.8**	**10.6**	**9.1**	**8.1**	**8.0**	**7.6**	**7.4**	**7.6**	**8.0**	**7.8**	**8.0**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful opportunities	45.0	7.0	48.0	0	44.0	55.0	30.0	41.0
Total opportunities	46.0	10.0	50.0	0	44.0	56.0	32.0	42.0
Indicator value	**97.0%**	**95.4%**	**94.9%**	**95.4%**	**96.3%**	**97.1%**	**96.2%**	**96.4%**

Licensee Comments:

1Q/03: A revision to 2nd Quarter 2002 data has been submitted. A state notification had been considered missed because, although the notification form noted that there was no release in progress, the blank on the form for type of release had not been marked N/A. This has been determined to be an administrative error that does not constitute a missed notification. The quarterly value is changed from 43 successes out of 44 opportunities to 44 successes out of 44 opportunities.

2Q/02: The historical data for December 2001 has been revised to reflect only one failed opportunity. This is in accordance with the response to the submitted FAQ.

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	66.0	67.0	56.0	42.0	51.0	54.0	52.0	55.0
Total Key personnel	66.0	67.0	56.0	45.0	53.0	54.0	53.0	55.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**93.3%**	**96.2%**	**100.0%**	**98.1%**	**100.0%**

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	3453	3405	3311	3256	3313	3301	3306	3251
Total sirens-tests	3484	3432	3328	3276	3328	3328	3328	3276
Indicator value	**97.9%**	**98.7%**	**99.1%**	**99.3%**	**99.4%**	**99.4%**	**99.4%**	**99.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

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	37.60	80.50	46.40	192.60	221.90	61.20	200.10	110.80
CCTV compensatory hours	0	13.9	1.4	0	0.3	1.6	39.5	11.3
IDS normalization factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.008**	**0.012**	**0.012**	**0.021**	**0.032**	**0.030**	**0.041**	**0.037**

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	1
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**

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 22, 2003

Quad Cities 2

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	1.0	0	0	1.0	0	0	0	1.0
Critical hours	1616.2	2209.0	1624.5	2150.0	1967.3	2209.0	2160.0	1643.5
Indicator value	**0.9**	**0.9**	**0.9**	**1.8**	**0.9**	**0.9**	**0.8**	**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	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Scrams	1.0	0	0	0	0	0	0	1.0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**

Licensee Comments:

2Q/03: An FAQ is being submitted to address issues associated with the April 2003 scram. The event is being conservatively reported as a scram with a loss of normal heat removal pending resolution of the FAQ.

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned power changes	0	0	1.0	0	1.0	0	0	0
Critical hours	1616.2	2209.0	1624.5	2150.0	1967.3	2209.0	2160.0	1643.5
Indicator value	**0.9**	**0**	**0.9**	**0.9**	**1.8**	**1.8**	**0.8**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	23.15	8.58	24.73	14.47	20.60	14.70	14.73	76.93
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	23.77	20.97	11.85	18.28	18.68	92.85	38.77	44.77
Unplanned unavailable hours	0	0	0	0	0	20.15	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	**2.0%**	**2.1%**	**1.9%**	**1.9%**	**1.7%**	**1.9%**	**1.9%**	**2.0%**

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)	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**
Train 1								
Planned unavailable hours	4.79	5.97	8.01	57.08	4.03	33.02	13.00	101.22
Unplanned unavailable hours	0	0	0	0	0.22	0.08	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	1616.20	2209.00	1624.50	2150.00	1967.30	2209.00	2160.00	1643.50
Indicator value	**2.8%**	**2.6%**	**2.6%**	**2.5%**	**2.5%**	**2.5%**	**2.5%**	**2.6%**

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)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	3.33	51.60	5.12	8.37	9.49	26.37	47.89	8.70
Unplanned unavailable hours	0	0	0	0	5.00	0.08	14.40	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1616.20	2209.00	1624.50	2150.00	1967.30	2209.00	2160.00	1643.50
Indicator value	**1.4%**	**1.5%**	**1.2%**	**1.2%**	**1.0%**	**1.1%**	**1.3%**	**1.2%**

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	3.88	0	12.13	9.22	0	0	126.80	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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	0	4.03	7.03	69.80	0	30.72	32.50	4.60
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
Indicator value	**0.7%**	**0.7%**	**0.6%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**

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	0	0	1	0	1	1	0
Indicator value	**0**	**0**	**0**	**1**	**1**	**2**	**3**	**2**

Licensee Comments: none

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	0.000333	0.000093	0.000097	0.000313	0.000080	0.000076	0.000090	0.000055	0.000043	0.000046	0.000050	0.000047
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**	**0**	**0.2**	**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	0.000041	0.000044	0.000057	0.000042	0.000042	0.000038	0.000033	0.000042	0.000030	0.000051	0.000314	0.000179
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**	**0.2**	**0.1**

Licensee Comments: none

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	2.080	2.400	2.400	2.500	2.570	2.560	2.990	2.940	3.190	1.920	2.450	2.660
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.3**	**9.6**	**9.6**	**10.0**	**10.3**	**10.2**	**12.0**	**11.8**	**12.8**	**7.7**	**9.8**	**10.6**

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	2.280	2.030	2.010	1.910	1.850	1.890	1.990	1.950	1.990	2.030	2.070	1.850
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**9.1**	**8.1**	**8.0**	**7.6**	**7.4**	**7.6**	**8.0**	**7.8**	**8.0**	**8.1**	**8.3**	**7.4**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful opportunities	7.0	48.0	0	44.0	55.0	30.0	41.0	48.0
Total opportunities	10.0	50.0	0	44.0	56.0	32.0	42.0	48.0
Indicator value	**95.4%**	**94.9%**	**95.4%**	**96.3%**	**97.1%**	**96.2%**	**96.4%**	**96.8%**

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	67.0	56.0	42.0	51.0	54.0	52.0	55.0	54.0
Total Key personnel	67.0	56.0	45.0	53.0	54.0	53.0	55.0	54.0
Indicator value	**100.0%**	**100.0%**	**93.3%**	**96.2%**	**100.0%**	**98.1%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful siren-tests	3405	3311	3256	3313	3301	3306	3251	3309
Total sirens-tests	3432	3328	3276	3328	3328	3328	3276	3328
Indicator value	**98.7%**	**99.1%**	**99.3%**	**99.4%**	**99.4%**	**99.4%**	**99.3%**	**99.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
High radiation area occurrences	0	0	0	0	0	0	0	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/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	80.50	46.40	192.60	221.90	61.20	200.10	110.80	161.59
CCTV compensatory hours	13.9	1.4	0	0.3	1.6	39.5	11.3	48.9
IDS normalization factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.012**	**0.012**	**0.021**	**0.032**	**0.030**	**0.041**	**0.037**	**0.036**

Licensee Comments: none

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	1	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**

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

Quad Cities 2

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	1.0	0	0	0	1.0	0
Critical hours	2209.0	1624.5	2150.0	1967.3	2209.0	2160.0	1643.5	2208.0
Indicator value	**0.9**	**0.9**	**1.8**	**0.9**	**0.9**	**0.8**	**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	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Scrams	0	0	0	0	0	0	1.0	0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned power changes	0	1.0	0	1.0	0	0	0	0
Critical hours	2209.0	1624.5	2150.0	1967.3	2209.0	2160.0	1643.5	2208.0
Indicator value	**0**	**0.9**	**0.9**	**1.8**	**1.8**	**0.8**	**0.9**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	8.58	24.73	14.47	20.60	14.70	14.73	76.93	7.88
Unplanned unavailable hours	0	0	0	0	0	0	0	6.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	20.97	11.85	18.28	18.68	92.85	38.77	44.77	13.52
Unplanned unavailable hours	0	0	0	0	20.15	0	0	29.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**2.1%**	**1.9%**	**1.9%**	**1.7%**	**1.9%**	**1.9%**	**2.0%**	**1.8%**

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)	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**
Train 1								
Planned unavailable hours	5.97	8.01	57.08	4.03	33.02	13.00	101.22	7.37
Unplanned unavailable hours	0	0	0	0.22	0.08	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	1624.50	2150.00	1967.30	2209.00	2160.00	1643.50	2208.00
Indicator value	**2.6%**	**2.6%**	**2.5%**	**2.5%**	**2.5%**	**2.5%**	**2.6%**	**2.6%**

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/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	51.60	5.12	8.37	9.49	26.37	47.89	8.70	4.57
Unplanned unavailable hours	0	0	0	5.00	0.08	14.40	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1624.50	2150.00	1967.30	2209.00	2160.00	1643.50	2208.00
Indicator value	**1.5%**	**1.2%**	**1.2%**	**1.0%**	**1.1%**	**1.3%**	**1.2%**	**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/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	0	12.13	9.22	0	0	126.80	0	45.80
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	4.03	7.03	69.80	0	30.72	32.50	4.60	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
Indicator value	**0.7%**	**0.6%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.8%**

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	0	0	1	0	1	1	0	0
Indicator value	**0**	**0**	**1**	**1**	**2**	**3**	**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	0.000313	0.000080	0.000076	0.000090	0.000055	0.000043	0.000046	0.000050	0.000047	0.000041	0.000044	0.000057
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**	**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	0.000042	0.000042	0.000038	0.000033	0.000042	0.000030	0.000051	0.000314	0.000179	0.000042	0.000054	0.000044
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**	**0.2**	**0.1**	**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	2.500	2.570	2.560	2.990	2.940	3.190	1.920	2.450	2.660	2.280	2.030	2.010
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**10.0**	**10.3**	**10.2**	**12.0**	**11.8**	**12.8**	**7.7**	**9.8**	**10.6**	**9.1**	**8.1**	**8.0**

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	1.910	1.850	1.890	1.990	1.950	1.990	2.030	2.070	1.850	1.860	1.810	1.550
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.6**	**7.4**	**7.6**	**8.0**	**7.8**	**8.0**	**8.1**	**8.3**	**7.4**	**7.4**	**7.2**	**6.2**

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	48.0	0	44.0	55.0	30.0	41.0	48.0	2.0
Total opportunities	50.0	0	44.0	56.0	32.0	42.0	48.0	2.0
Indicator value	**94.9%**	**95.4%**	**96.3%**	**97.1%**	**96.2%**	**96.4%**	**96.8%**	**97.8%**

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	56.0	42.0	51.0	54.0	52.0	55.0	54.0	55.0
Total Key personnel	56.0	45.0	53.0	54.0	53.0	55.0	54.0	55.0
Indicator value	**100.0%**	**93.3%**	**96.2%**	**100.0%**	**98.1%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful siren-tests	3311	3256	3313	3301	3306	3251	3309	3354
Total sirens-tests	3328	3276	3328	3328	3328	3276	3328	3380
Indicator value	**99.1%**	**99.3%**	**99.4%**	**99.4%**	**99.4%**	**99.3%**	**99.3%**	**99.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
High radiation area occurrences	0	0	0	0	0	0	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/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	46.40	192.60	221.90	61.20	200.10	110.80	161.59	58.20
CCTV compensatory hours	1.4	0	0.3	1.6	39.5	11.3	48.9	4.7
IDS normalization factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.012**	**0.021**	**0.032**	**0.030**	**0.041**	**0.037**	**0.036**	**0.036**

Licensee Comments:

3Q/03: 22 days worth of exclusion hours are being excluded under the "Scheduled equipment upgrade" provision of NEI 99-02, Revision 2, for the Protected Area Security Equipment Performance Index. From September 22, 2003, to October 14, 2003, Perimeter Intrusion Detection System (PIDS) zone 3 was out of service for a system upgrade. The upgrade had been formally approved by the station and followed established work practices. The zone was properly compensated during this time frame.

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	1	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**

Licensee Comments: none

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

Quad Cities 2

4Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned scrams	0	1.0	0	0	0	1.0	0	0
Critical hours	1624.5	2150.0	1967.3	2209.0	2160.0	1643.5	2208.0	2209.0
Indicator value	**0.9**	**1.8**	**0.9**	**0.9**	**0.8**	**0.9**	**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	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Scrams	0	0	0	0	0	1.0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**

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	1.0	0	1.0	0	0	0	0	0
Critical hours	1624.5	2150.0	1967.3	2209.0	2160.0	1643.5	2208.0	2209.0
Indicator value	**0.9**	**0.9**	**1.8**	**1.8**	**0.8**	**0.9**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	24.73	14.47	20.60	14.70	14.73	76.93	7.88	7.20
Unplanned unavailable hours	0	0	0	0	0	0	6.80	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	11.85	18.28	18.68	92.85	38.77	44.77	13.52	9.52
Unplanned unavailable hours	0	0	0	20.15	0	0	29.40	13.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**1.9%**	**1.9%**	**1.7%**	**1.9%**	**1.9%**	**2.0%**	**1.8%**	**1.7%**

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)	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**	**4Q/03**
Train 1								
Planned unavailable hours	8.01	57.08	4.03	33.02	13.00	101.22	7.37	27.11
Unplanned unavailable hours	0	0	0.22	0.08	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	1624.50	2150.00	1967.30	2209.00	2160.00	1643.50	2208.00	2209.00
Indicator value	**2.6%**	**2.5%**	**2.5%**	**2.5%**	**2.5%**	**2.6%**	**2.6%**	**2.4%**

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)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	5.12	8.37	9.49	26.37	47.89	8.70	4.57	60.57
Unplanned unavailable hours	0	0	5.00	0.08	14.40	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1624.50	2150.00	1967.30	2209.00	2160.00	1643.50	2208.00	2209.00
Indicator value	**1.2%**	**1.2%**	**1.0%**	**1.1%**	**1.3%**	**1.2%**	**1.0%**	**1.2%**

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	12.13	9.22	0	0	126.80	0	45.80	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	7.03	69.80	0	30.72	32.50	4.60	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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.6%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.8%**	**0.7%**

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	1	0	1	1	0	0	0
Indicator value	**0**	**1**	**1**	**2**	**3**	**2**	**2**	**1**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/02**	**2/02**	**3/02**	**4/02**	**5/02**	**6/02**	**7/02**	**8/02**	**9/02**	**10/02**	**11/02**	**12/02**
Maximum activity	0.000090	0.000055	0.000043	0.000046	0.000050	0.000047	0.000041	0.000044	0.000057	0.000042	0.000042	0.000038
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	0.000033	0.000042	0.000030	0.000051	0.000314	0.000179	0.000042	0.000054	0.000044	0.000037	0.000042	0.000044
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**	**0.2**	**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	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	2.990	2.940	3.190	1.920	2.450	2.660	2.280	2.030	2.010	1.910	1.850	1.890
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**12.0**	**11.8**	**12.8**	**7.7**	**9.8**	**10.6**	**9.1**	**8.1**	**8.0**	**7.6**	**7.4**	**7.6**

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	1.990	1.950	1.990	2.030	2.070	1.850	1.860	1.810	1.550	1.490	1.440	1.440
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.0**	**7.8**	**8.0**	**8.1**	**8.3**	**7.4**	**7.4**	**7.2**	**6.2**	**6.0**	**5.8**	**5.8**

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	0	44.0	55.0	30.0	41.0	48.0	2.0	42.0
Total opportunities	0	44.0	56.0	32.0	42.0	48.0	2.0	42.0
Indicator value	**95.4%**	**96.3%**	**97.1%**	**96.2%**	**96.4%**	**96.8%**	**97.8%**	**98.5%**

Licensee Comments: none

Notes

ERO Drill Participation	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Participating Key personnel	42.0	51.0	54.0	52.0	55.0	54.0	55.0	55.0
Total Key personnel	45.0	53.0	54.0	53.0	55.0	54.0	55.0	65.0
Indicator value	**93.3%**	**96.2%**	**100.0%**	**98.1%**	**100.0%**	**100.0%**	**100.0%**	**84.6%**

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	3256	3313	3301	3306	3251	3309	3302	3311
Total sirens-tests	3276	3328	3328	3328	3276	3328	3328	3328
Indicator value	**99.3%**	**99.4%**	**99.4%**	**99.4%**	**99.3%**	**99.3%**	**99.3%**	**99.3%**

Licensee Comments:

4Q/03: The July 2003 siren data has been revised from 1185/1196 to 1133/1144 due to an error identified in the original submittal.

3Q/03: The July siren data has been revised from 1185/1196 to 1133/1144 due to an error identified in the original submittal (comment entered 1/20/04).

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	**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/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	192.60	221.90	61.20	200.10	110.80	161.59	58.20	47.10
CCTV compensatory hours	0	0.3	1.6	39.5	11.3	48.9	4.7	0
IDS normalization factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.021**	**0.032**	**0.030**	**0.041**	**0.037**	**0.036**	**0.036**	**0.025**

Licensee Comments: none

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	1	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**

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

Quad Cities 2

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	1.0	0	0	0	1.0	0	0	1.0
Critical hours	2150.0	1967.3	2209.0	2160.0	1643.5	2208.0	2209.0	1388.7
Indicator value	**1.8**	**0.9**	**0.9**	**0.8**	**0.9**	**0.9**	**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	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Scrams	0	0	0	0	1.0	0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Unplanned power changes	0	1.0	0	0	0	0	0	1.0
Critical hours	2150.0	1967.3	2209.0	2160.0	1643.5	2208.0	2209.0	1388.7
Indicator value	**0.9**	**1.8**	**1.8**	**0.8**	**0.9**	**0**	**0**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	14.47	20.60	14.70	14.73	76.93	7.88	7.20	9.62
Unplanned unavailable hours	0	0	0	0	0	6.80	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	18.28	18.68	92.85	38.77	44.77	13.52	9.52	5.30
Unplanned unavailable hours	0	0	20.15	0	0	29.40	13.60	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**1.9%**	**1.7%**	**1.9%**	**1.9%**	**2.0%**	**1.8%**	**1.7%**	**1.5%**

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/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	57.08	4.03	33.02	13.00	101.22	7.37	27.11	4.51
Unplanned unavailable hours	0	0.22	0.08	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	2150.00	1967.30	2209.00	2160.00	1643.50	2208.00	2209.00	1388.69
Indicator value	**2.5%**	**2.5%**	**2.5%**	**2.5%**	**2.6%**	**2.6%**	**2.4%**	**1.4%**

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/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	8.37	9.49	26.37	47.89	8.70	4.57	60.57	0.15
Unplanned unavailable hours	0	5.00	0.08	14.40	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2150.00	1967.30	2209.00	2160.00	1643.50	2208.00	2209.00	1388.69
Indicator value	**1.2%**	**1.0%**	**1.1%**	**1.3%**	**1.2%**	**1.0%**	**1.2%**	**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/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	9.22	0	0	126.80	0	45.80	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	69.80	0	30.72	32.50	4.60	0	0	0.53
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	2184.00
Indicator value	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.8%**	**0.7%**	**0.7%**

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	1	0	1	1	0	0	0	1
Indicator value	**1**	**1**	**2**	**3**	**2**	**2**	**1**	**1**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum activity	0.000046	0.000050	0.000047	0.000041	0.000044	0.000057	0.000042	0.000042	0.000038	0.000033	0.000042	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	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	0.000051	0.000314	0.000179	0.000042	0.000054	0.000044	0.000037	0.000042	0.000044	0.000041	0.000031	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**	**0.2**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**

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	1.920	2.450	2.660	2.280	2.030	2.010	1.910	1.850	1.890	1.990	1.950	1.990
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.7**	**9.8**	**10.6**	**9.1**	**8.1**	**8.0**	**7.6**	**7.4**	**7.6**	**8.0**	**7.8**	**8.0**

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	2.070	1.850	1.860	1.810	1.550	1.490	1.440	1.440	1.440	1.470	1.980
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.1**	**8.3**	**7.4**	**7.4**	**7.2**	**6.2**	**6.0**	**5.8**	**5.8**	**5.8**	**5.9**	**7.9**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Successful opportunities	44.0	55.0	30.0	41.0	48.0	2.0	42.0	20.0
Total opportunities	44.0	56.0	32.0	42.0	48.0	2.0	42.0	20.0
Indicator value	**96.3%**	**97.1%**	**96.2%**	**96.4%**	**96.8%**	**97.8%**	**98.5%**	**98.6%**

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	51.0	54.0	52.0	55.0	54.0	55.0	55.0	71.0
Total Key personnel	53.0	54.0	53.0	55.0	54.0	55.0	65.0	72.0
Indicator value	**96.2%**	**100.0%**	**98.1%**	**100.0%**	**100.0%**	**100.0%**	**84.6%**	**98.6%**

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	3313	3301	3306	3251	3309	3302	3311	3320
Total sirens-tests	3328	3328	3328	3276	3328	3328	3328	3328
Indicator value	**99.4%**	**99.4%**	**99.4%**	**99.3%**	**99.3%**	**99.3%**	**99.3%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/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	221.90	61.20	200.10	110.80	161.59	58.20	47.10	54.60
CCTV compensatory hours	0.3	1.6	39.5	11.3	48.9	4.7	0	0.3
IDS normalization factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.032**	**0.030**	**0.041**	**0.037**	**0.036**	**0.036**	**0.025**	**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	1	0	0	0	0
Indicator value	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**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

Quad Cities 2

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	0	1.0	0
Critical hours	1967.3	2209.0	2160.0	1643.5	2208.0	2209.0	1388.7	2183.0
Indicator value	**0.9**	**0.9**	**0.8**	**0.9**	**0.9**	**0.9**	**1.9**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Scrams	0	0	0	1.0	0	0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**

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	1.0	0	0	0	0	0	1.0	0
Critical hours	1967.3	2209.0	2160.0	1643.5	2208.0	2209.0	1388.7	2183.0
Indicator value	**1.8**	**1.8**	**0.8**	**0.9**	**0**	**0**	**0.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	20.60	14.70	14.73	76.93	7.88	7.20	9.62	42.69
Unplanned unavailable hours	0	0	0	0	6.80	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	18.68	92.85	38.77	44.77	13.52	9.52	5.30	61.53
Unplanned unavailable hours	0	20.15	0	0	29.40	13.60	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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**1.7%**	**1.9%**	**1.9%**	**2.0%**	**1.8%**	**1.7%**	**1.5%**	**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)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	4.03	33.02	13.00	101.22	7.37	27.11	4.51	81.17
Unplanned unavailable hours	0.22	0.08	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	1967.30	2209.00	2160.00	1643.50	2208.00	2209.00	1388.69	2183.00
Indicator value	**2.5%**	**2.5%**	**2.5%**	**2.6%**	**2.6%**	**2.4%**	**1.4%**	**1.5%**

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/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	9.49	26.37	47.89	8.70	4.57	60.57	0.15	6.15
Unplanned unavailable hours	5.00	0.08	14.40	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1967.30	2209.00	2160.00	1643.50	2208.00	2209.00	1388.69	2183.00
Indicator value	**1.0%**	**1.1%**	**1.3%**	**1.2%**	**1.0%**	**1.2%**	**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	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	0	0	126.80	0	45.80	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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	0	30.72	32.50	4.60	0	0	0.53	20.22
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**

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	1	0	0	0	1	1
Indicator value	**1**	**2**	**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	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	0.000041	0.000044	0.000057	0.000042	0.000042	0.000038	0.000033	0.000042	0.000030	0.000051	0.000314	0.000179
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**	**0.2**	**0.1**

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	0.000042	0.000054	0.000044	0.000037	0.000042	0.000044	0.000041	0.000031	N/A	0.000025	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**	**N/A**	**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	2.280	2.030	2.010	1.910	1.850	1.890	1.990	1.950	1.990	2.030	2.070	1.850
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**9.1**	**8.1**	**8.0**	**7.6**	**7.4**	**7.6**	**8.0**	**7.8**	**8.0**	**8.1**	**8.3**	**7.4**
Reactor Coolant System Leakage	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**
Maximum leakage	1.860	1.810	1.550	1.490	1.440	1.440	1.440	1.470	1.980	1.540	1.490	1.550
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.4**	**7.2**	**6.2**	**6.0**	**5.8**	**5.8**	**5.8**	**5.9**	**7.9**	**6.2**	**6.0**	**6.2**

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	55.0	30.0	41.0	48.0	2.0	42.0	20.0	67.0
Total opportunities	56.0	32.0	42.0	48.0	2.0	42.0	20.0	74.0
Indicator value	**97.1%**	**96.2%**	**96.4%**	**96.8%**	**97.8%**	**98.5%**	**98.6%**	**96.5%**

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	54.0	52.0	55.0	54.0	55.0	55.0	71.0	72.0
Total Key personnel	54.0	53.0	55.0	54.0	55.0	65.0	72.0	73.0
Indicator value	**100.0%**	**98.1%**	**100.0%**	**100.0%**	**100.0%**	**84.6%**	**98.6%**	**98.6%**

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	3301	3306	3251	3309	3302	3311	3320	3314
Total sirens-tests	3328	3328	3276	3328	3328	3328	3328	3328
Indicator value	**99.4%**	**99.4%**	**99.3%**	**99.3%**	**99.3%**	**99.3%**	**99.5%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/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.

Quad Cities 2

3Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned scrams	0	0	1.0	0	0	1.0	0	0
Critical hours	2209.0	2160.0	1643.5	2208.0	2209.0	1388.7	2183.0	2208.0
Indicator value	**0.9**	**0.8**	**0.9**	**0.9**	**0.9**	**1.9**	**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	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Scrams	0	0	1.0	0	0	0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**1.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2209.0	2160.0	1643.5	2208.0	2209.0	1388.7	2183.0	2208.0
Indicator value	**1.8**	**0.8**	**0.9**	**0**	**0**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	14.70	14.73	76.93	7.88	7.20	9.62	42.69	10.57
Unplanned unavailable hours	0	0	0	6.80	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
Train 2								
Planned unavailable hours	92.85	38.77	44.77	13.52	9.52	5.30	61.53	8.02
Unplanned unavailable hours	20.15	0	0	29.40	13.60	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	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**1.9%**	**1.9%**	**2.0%**	**1.8%**	**1.7%**	**1.5%**	**1.3%**	**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)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	33.02	13.00	101.22	7.37	27.11	4.51	81.17	3.98
Unplanned unavailable hours	0.08	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	1643.50	2208.00	2209.00	1388.69	2183.00	2208.00
Indicator value	**2.5%**	**2.5%**	**2.6%**	**2.6%**	**2.4%**	**1.4%**	**1.5%**	**1.4%**

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)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	26.37	47.89	8.70	4.57	60.57	0.15	6.15	19.40
Unplanned unavailable hours	0.08	14.40	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	1643.50	2208.00	2209.00	1388.69	2183.00	2208.00
Indicator value	**1.1%**	**1.3%**	**1.2%**	**1.0%**	**1.2%**	**1.1%**	**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	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	0	126.80	0	45.80	0	0	0	33.83
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	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	30.72	32.50	4.60	0	0	0.53	20.22	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	2184.00	2183.00	2208.00
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.8%**

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	1	0	0	0	1	1	0
Indicator value	**2**	**3**	**2**	**2**	**1**	**1**	**2**	**2**

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	0.000042	0.000042	0.000038	0.000033	0.000042	0.000030	0.000051	0.000314	0.000179	0.000042	0.000054	0.000044
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**	**0.2**	**0.1**	**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	0.000037	0.000042	0.000044	0.000041	0.000031	N/A	0.000025	0.000020	0.000020	0.000017	0.000015	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**	**N/A**	**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	1.910	1.850	1.890	1.990	1.950	1.990	2.030	2.070	1.850	1.860	1.810	1.550
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.6**	**7.4**	**7.6**	**8.0**	**7.8**	**8.0**	**8.1**	**8.3**	**7.4**	**7.4**	**7.2**	**6.2**
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	1.490	1.440	1.440	1.440	1.470	1.980	1.540	1.490	1.550	1.510	1.490	1.490
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**5.8**	**5.8**	**5.8**	**5.9**	**7.9**	**6.2**	**6.0**	**6.2**	**6.0**	**6.0**	**6.0**

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	30.0	41.0	48.0	2.0	42.0	20.0	67.0	25.0
Total opportunities	32.0	42.0	48.0	2.0	42.0	20.0	74.0	25.0
Indicator value	**96.2%**	**96.4%**	**96.8%**	**97.8%**	**98.5%**	**98.6%**	**96.5%**	**96.5%**

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	52.0	55.0	54.0	55.0	55.0	71.0	72.0	71.0
Total Key personnel	53.0	55.0	54.0	55.0	65.0	72.0	73.0	71.0
Indicator value	**98.1%**	**100.0%**	**100.0%**	**100.0%**	**84.6%**	**98.6%**	**98.6%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful siren-tests	3306	3251	3309	3302	3311	3320	3314	3369
Total sirens-tests	3328	3276	3328	3328	3328	3328	3328	3380
Indicator value	**99.4%**	**99.3%**	**99.3%**	**99.3%**	**99.3%**	**99.5%**	**99.5%**	**99.6%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/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

Quad Cities 2

4Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned scrams	0	1.0	0	0	1.0	0	0	0
Critical hours	2160.0	1643.5	2208.0	2209.0	1388.7	2183.0	2208.0	2209.0
Indicator value	**0.8**	**0.9**	**0.9**	**0.9**	**1.9**	**0.9**	**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	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Scrams	0	1.0	0	0	0	0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2160.0	1643.5	2208.0	2209.0	1388.7	2183.0	2208.0	2209.0
Indicator value	**0.8**	**0.9**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	14.73	76.93	7.88	7.20	9.62	42.69	10.57	5.00
Unplanned unavailable hours	0	0	6.80	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	38.77	44.77	13.52	9.52	5.30	61.53	8.02	31.28
Unplanned unavailable hours	0	0	29.40	13.60	0	0	0	0.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	**1.9%**	**2.0%**	**1.8%**	**1.7%**	**1.5%**	**1.3%**	**1.3%**	**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	13.00	101.22	7.37	27.11	4.51	81.17	3.98	8.55
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1643.50	2208.00	2209.00	1388.69	2183.00	2208.00	2209.00
Indicator value	**2.5%**	**2.6%**	**2.6%**	**2.4%**	**1.4%**	**1.5%**	**1.4%**	**1.4%**

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)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	47.89	8.70	4.57	60.57	0.15	6.15	19.40	4.94
Unplanned unavailable hours	14.40	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1643.50	2208.00	2209.00	1388.69	2183.00	2208.00	2209.00
Indicator value	**1.3%**	**1.2%**	**1.0%**	**1.2%**	**1.1%**	**1.1%**	**1.1%**	**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/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	126.80	0	45.80	0	0	0	33.83	2.63
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	32.50	4.60	0	0	0.53	20.22	0	24.64
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	**0.7%**	**0.7%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.8%**	**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	1	0	0	0	1	1	0	1
Indicator value	**3**	**2**	**2**	**1**	**1**	**2**	**2**	**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	0.000033	0.000042	0.000030	0.000051	0.000314	0.000179	0.000042	0.000054	0.000044	0.000037	0.000042	0.000044
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**	**0.2**	**0.1**	**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	0.000041	0.000031	N/A	0.000025	0.000020	0.000020	0.000017	0.000015	0.000021	0.000013	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**	**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	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum leakage	1.990	1.950	1.990	2.030	2.070	1.850	1.860	1.810	1.550	1.490	1.440	1.440
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.0**	**7.8**	**8.0**	**8.1**	**8.3**	**7.4**	**7.4**	**7.2**	**6.2**	**6.0**	**5.8**	**5.8**
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	1.440	1.470	1.980	1.540	1.490	1.550	1.510	1.490	1.490	1.490	1.480	1.460
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.8**	**5.9**	**7.9**	**6.2**	**6.0**	**6.2**	**6.0**	**6.0**	**6.0**	**6.0**	**5.9**	**5.8**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful opportunities	41.0	48.0	2.0	42.0	20.0	67.0	25.0	60.0
Total opportunities	42.0	48.0	2.0	42.0	20.0	74.0	25.0	60.0
Indicator value	**96.4%**	**96.8%**	**97.8%**	**98.5%**	**98.6%**	**96.5%**	**96.5%**	**97.4%**

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	55.0	54.0	55.0	55.0	71.0	72.0	71.0	73.0
Total Key personnel	55.0	54.0	55.0	65.0	72.0	73.0	71.0	73.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**84.6%**	**98.6%**	**98.6%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful siren-tests	3251	3309	3302	3311	3320	3314	3369	3374
Total sirens-tests	3276	3328	3328	3328	3328	3328	3380	3380
Indicator value	**99.3%**	**99.3%**	**99.3%**	**99.3%**	**99.5%**	**99.5%**	**99.6%**	**99.7%**

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

Quad Cities 2

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	0	1.0	0	0	0	0
Critical hours	1643.5	2208.0	2209.0	1388.7	2183.0	2208.0	2209.0	2160.0
Indicator value	**0.9**	**0.9**	**0.9**	**1.9**	**0.9**	**0.9**	**0.9**	**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	1.0	0	0	0	0	0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**2.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	1643.5	2208.0	2209.0	1388.7	2183.0	2208.0	2209.0	2160.0
Indicator value	**0.9**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	76.93	7.88	7.20	9.62	42.69	10.57	5.00	12.57
Unplanned unavailable hours	0	6.80	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	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	44.77	13.52	9.52	5.30	61.53	8.02	31.28	20.92
Unplanned unavailable hours	0	29.40	13.60	0	0	0	0.10	4.47
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**2.0%**	**1.8%**	**1.7%**	**1.5%**	**1.3%**	**1.3%**	**1.3%**	**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)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	101.22	7.37	27.11	4.51	81.17	3.98	8.55	17.15
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1643.50	2208.00	2209.00	1388.69	2183.00	2208.00	2209.00	2160.00
Indicator value	**2.6%**	**2.6%**	**2.4%**	**1.4%**	**1.5%**	**1.4%**	**1.4%**	**1.5%**

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)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	8.70	4.57	60.57	0.15	6.15	19.40	4.94	3.23
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	1643.50	2208.00	2209.00	1388.69	2183.00	2208.00	2209.00	2160.00
Indicator value	**1.2%**	**1.0%**	**1.2%**	**1.1%**	**1.1%**	**1.1%**	**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	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	0	45.80	0	0	0	33.83	2.63	15.73
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	4.60	0	0	0.53	20.22	0	24.64	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.7%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.8%**	**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	0	0	0	1	1	0	1	0
Indicator value	**2**	**2**	**1**	**1**	**2**	**2**	**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	0.000051	0.000314	0.000179	0.000042	0.000054	0.000044	0.000037	0.000042	0.000044	0.000041	0.000031	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**	**0.2**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**

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	0.000025	0.000020	0.000020	0.000017	0.000015	0.000021	0.000013	0.000009	0.000010	0.000023	0.000017	0.000026
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	**4/03**	**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	2.070	1.850	1.860	1.810	1.550	1.490	1.440	1.440	1.440	1.470	1.980
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.1**	**8.3**	**7.4**	**7.4**	**7.2**	**6.2**	**6.0**	**5.8**	**5.8**	**5.8**	**5.9**	**7.9**
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	1.540	1.490	1.550	1.510	1.490	1.490	1.490	1.480	1.460	1.460	1.420	1.440
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.2**	**6.0**	**6.2**	**6.0**	**6.0**	**6.0**	**6.0**	**5.9**	**5.8**	**5.8**	**5.7**	**5.8**

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	48.0	2.0	42.0	20.0	67.0	25.0	60.0	34.0
Total opportunities	48.0	2.0	42.0	20.0	74.0	25.0	60.0	36.0
Indicator value	**96.8%**	**97.8%**	**98.5%**	**98.6%**	**96.5%**	**96.5%**	**97.4%**	**97.1%**

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	54.0	55.0	55.0	71.0	72.0	71.0	73.0	72.0
Total Key personnel	54.0	55.0	65.0	72.0	73.0	71.0	73.0	72.0
Indicator value	**100.0%**	**100.0%**	**84.6%**	**98.6%**	**98.6%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful siren-tests	3309	3302	3311	3320	3314	3369	3374	3316
Total sirens-tests	3328	3328	3328	3328	3328	3380	3380	3328
Indicator value	**99.3%**	**99.3%**	**99.3%**	**99.5%**	**99.5%**	**99.6%**	**99.7%**	**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	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/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

Quad Cities 2

2Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	1388.7	2183.0	2208.0	2209.0	2160.0	2008.9
Indicator value	**0.9**	**0.9**	**1.9**	**0.9**	**0.9**	**0.9**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**1.0**	**1.0**	**1.0**	**1.0**

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	0	0	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	1388.7	2183.0	2208.0	2209.0	2160.0	2008.9
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	7.88	7.20	9.62	42.69	10.57	5.00	12.57	10.35
Unplanned unavailable hours	6.80	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	13.52	9.52	5.30	61.53	8.02	31.28	20.92	133.08
Unplanned unavailable hours	29.40	13.60	0	0	0	0.10	4.47	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	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**1.8%**	**1.7%**	**1.5%**	**1.3%**	**1.3%**	**1.3%**	**1.3%**	**1.5%**

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)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	7.37	27.11	4.51	81.17	3.98	8.55	17.15	1.37
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1388.69	2183.00	2208.00	2209.00	2160.00	2008.85
Indicator value	**2.6%**	**2.4%**	**1.4%**	**1.5%**	**1.4%**	**1.4%**	**1.5%**	**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	4.57	60.57	0.15	6.15	19.40	4.94	3.23	7.32
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	1388.69	2183.00	2208.00	2209.00	2160.00	2008.85
Indicator value	**1.0%**	**1.2%**	**1.1%**	**1.1%**	**1.1%**	**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	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	45.80	0	0	0	33.83	2.63	15.73	13.66
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	0	0	0.53	20.22	0	24.64	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	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**

Licensee Comments: none

Safety System Functional Failures (BWR)

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	0	0	1	1	0	1	0	2
Indicator value	**2**	**1**	**1**	**2**	**2**	**3**	**2**	**3**

Licensee Comments:

2Q/05: The May SSFF is from LER 254(265)/2005002. The June SSFF is from LER 254(265)2005004.

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	0.000042	0.000054	0.000044	0.000037	0.000042	0.000044	0.000041	0.000031	N/A	0.000025	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**	**N/A**	**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	0.000017	0.000015	0.000021	0.000013	0.000009	0.000010	0.000023	0.000017	0.000026	0.000025	0.000014	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	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum leakage	1.860	1.810	1.550	1.490	1.440	1.440	1.440	1.470	1.980	1.540	1.490	1.550
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.4**	**7.2**	**6.2**	**6.0**	**5.8**	**5.8**	**5.8**	**5.9**	**7.9**	**6.2**	**6.0**	**6.2**

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	1.510	1.490	1.490	1.490	1.480	1.460	1.460	1.420	1.440	1.440	1.630	1.580
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**6.0**	**6.0**	**6.0**	**5.9**	**5.8**	**5.8**	**5.7**	**5.8**	**5.8**	**6.5**	**6.3**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful opportunities	2.0	42.0	20.0	67.0	25.0	60.0	34.0	10.0
Total opportunities	2.0	42.0	20.0	74.0	25.0	60.0	36.0	10.0
Indicator value	**97.8%**	**98.5%**	**98.6%**	**96.5%**	**96.5%**	**97.4%**	**97.1%**	**96.7%**

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	55.0	55.0	71.0	72.0	71.0	73.0	72.0	72.0
Total Key personnel	55.0	65.0	72.0	73.0	71.0	73.0	72.0	72.0
Indicator value	**100.0%**	**84.6%**	**98.6%**	**98.6%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful siren-tests	3302	3311	3320	3314	3369	3374	3316	3304
Total sirens-tests	3328	3328	3328	3328	3380	3380	3328	3328
Indicator value	**99.3%**	**99.3%**	**99.5%**	**99.5%**	**99.6%**	**99.7%**	**99.7%**	**99.6%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Quad Cities 2

3Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2209.0	1388.7	2183.0	2208.0	2209.0	2160.0	2008.9	2208.0
Indicator value	**0.9**	**1.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2209.0	1388.7	2183.0	2208.0	2209.0	2160.0	2008.9	2208.0
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	7.20	9.62	42.69	10.57	5.00	12.57	10.35	7.67
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	9.52	5.30	61.53	8.02	31.28	20.92	133.08	7.52
Unplanned unavailable hours	13.60	0	0	0	0.10	4.47	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	**1.7%**	**1.5%**	**1.3%**	**1.3%**	**1.3%**	**1.3%**	**1.5%**	**1.4%**

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/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	27.11	4.51	81.17	3.98	8.55	17.15	1.37	2.43
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	1388.69	2183.00	2208.00	2209.00	2160.00	2008.85	2208.00
Indicator value	**2.4%**	**1.4%**	**1.5%**	**1.4%**	**1.4%**	**1.5%**	**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)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	60.57	0.15	6.15	19.40	4.94	3.23	7.32	13.77
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1388.69	2183.00	2208.00	2209.00	2160.00	2008.85	2208.00
Indicator value	**1.2%**	**1.1%**	**1.1%**	**1.1%**	**0.9%**	**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/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	0	0	0	33.83	2.63	15.73	13.66	46.44
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0	0.53	20.22	0	24.64	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	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.8%**

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	0	1	1	0	1	0	1	0
Indicator value	**1**	**1**	**2**	**2**	**3**	**2**	**2**	**2**

Licensee Comments:

3Q/05: The June SSFF from LER 254(265)2005004 was retracted per letter SVP-05-064, dated August 26, 2005.

2Q/05: The May SSFF is from LER 254(265)/2005002. The June SSFF from LER 254(265)2005004 was retracted per letter SVP-05-064, dated August 26, 2005.

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	0.000037	0.000042	0.000044	0.000041	0.000031	N/A	0.000025	0.000020	0.000020	0.000017	0.000015	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**	**N/A**	**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	0.000013	0.000009	0.000010	0.000023	0.000017	0.000026	0.000025	0.000014	0.000023	0.000023	0.000017	0.000014
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	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	1.490	1.440	1.440	1.440	1.470	1.980	1.540	1.490	1.550	1.510	1.490	1.490
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**5.8**	**5.8**	**5.8**	**5.9**	**7.9**	**6.2**	**6.0**	**6.2**	**6.0**	**6.0**	**6.0**

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	1.490	1.480	1.460	1.460	1.420	1.440	1.440	1.630	1.580	1.500	1.510	1.530
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**5.9**	**5.8**	**5.8**	**5.7**	**5.8**	**5.8**	**6.5**	**6.3**	**6.0**	**6.0**	**6.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful opportunities	42.0	20.0	67.0	25.0	60.0	34.0	10.0	58.0
Total opportunities	42.0	20.0	74.0	25.0	60.0	36.0	10.0	58.0
Indicator value	**98.5%**	**98.6%**	**96.5%**	**96.5%**	**97.4%**	**97.1%**	**96.7%**	**97.2%**

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	55.0	71.0	72.0	71.0	73.0	72.0	72.0	74.0
Total Key personnel	65.0	72.0	73.0	71.0	73.0	72.0	72.0	74.0
Indicator value	**84.6%**	**98.6%**	**98.6%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful siren-tests	3311	3320	3314	3369	3374	3316	3304	3318
Total sirens-tests	3328	3328	3328	3380	3380	3328	3328	3328
Indicator value	**99.3%**	**99.5%**	**99.5%**	**99.6%**	**99.7%**	**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	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**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/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

Quad Cities 2

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	1.0	0	0	0	0	0	0	0
Critical hours	1388.7	2183.0	2208.0	2209.0	2160.0	2008.9	2208.0	2172.3
Indicator value	**1.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	**2.0**	**2.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	1388.7	2183.0	2208.0	2209.0	2160.0	2008.9	2208.0	2172.3
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	9.62	42.69	10.57	5.00	12.57	10.35	7.67	68.50
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	5.30	61.53	8.02	31.28	20.92	133.08	7.52	8.00
Unplanned unavailable hours	0	0	0	0.10	4.47	0	0	0.88
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	**1.5%**	**1.3%**	**1.3%**	**1.3%**	**1.3%**	**1.5%**	**1.4%**	**1.4%**

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/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	4.51	81.17	3.98	8.55	17.15	1.37	2.43	2.29
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	1388.69	2183.00	2208.00	2209.00	2160.00	2008.85	2208.00	2172.33
Indicator value	**1.4%**	**1.5%**	**1.4%**	**1.4%**	**1.5%**	**1.2%**	**1.2%**	**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)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	0.15	6.15	19.40	4.94	3.23	7.32	13.77	10.59
Unplanned unavailable hours	0	0	0	0	0	0	0	8.63
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1388.69	2183.00	2208.00	2209.00	2160.00	2008.85	2208.00	2172.33
Indicator value	**1.1%**	**1.1%**	**1.1%**	**0.9%**	**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	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	0	0	33.83	2.63	15.73	13.66	46.44	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	0.53	20.22	0	24.64	0	0	0	30.80
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
Indicator value	**0.7%**	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.8%**	**0.8%**

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	0	1	0	1	0	0
Indicator value	**1**	**2**	**2**	**3**	**2**	**2**	**2**	**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	0.000041	0.000031	N/A	0.000025	0.000020	0.000020	0.000017	0.000015	0.000021	0.000013	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**	**N/A**	**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	0.000023	0.000017	0.000026	0.000025	0.000014	0.000023	0.000023	0.000017	0.000014	0.000012	0.000029	0.000019
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	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum leakage	1.440	1.470	1.980	1.540	1.490	1.550	1.510	1.490	1.490	1.490	1.480	1.460
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.8**	**5.9**	**7.9**	**6.2**	**6.0**	**6.2**	**6.0**	**6.0**	**6.0**	**6.0**	**5.9**	**5.8**
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	1.460	1.420	1.440	1.440	1.630	1.580	1.500	1.510	1.530	1.490	1.500	1.470
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.8**	**5.7**	**5.8**	**5.8**	**6.5**	**6.3**	**6.0**	**6.0**	**6.1**	**6.0**	**6.0**	**5.9**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful opportunities	20.0	67.0	25.0	60.0	34.0	10.0	58.0	44.0
Total opportunities	20.0	74.0	25.0	60.0	36.0	10.0	58.0	45.0
Indicator value	**98.6%**	**96.5%**	**96.5%**	**97.4%**	**97.1%**	**96.7%**	**97.2%**	**97.0%**

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	71.0	72.0	71.0	73.0	72.0	72.0	74.0	74.0
Total Key personnel	72.0	73.0	71.0	73.0	72.0	72.0	74.0	74.0
Indicator value	**98.6%**	**98.6%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful siren-tests	3320	3314	3369	3374	3316	3304	3318	3310
Total sirens-tests	3328	3328	3380	3380	3328	3328	3328	3319
Indicator value	**99.5%**	**99.5%**	**99.6%**	**99.7%**	**99.7%**	**99.6%**	**99.6%**	**99.6%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Quad Cities 2

1Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	2209.0	2160.0	2008.9	2208.0	2172.3	1852.6
Indicator value	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	**2.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2183.0	2208.0	2209.0	2160.0	2008.9	2208.0	2172.3	1852.6
Indicator value	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	42.69	10.57	5.00	12.57	10.35	7.67	68.50	7.37
Unplanned unavailable hours	0	0	0	0	0	0	0	7.42
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	61.53	8.02	31.28	20.92	133.08	7.52	8.00	47.28
Unplanned unavailable hours	0	0	0.10	4.47	0	0	0.88	0.75
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	2160.00
Indicator value	**1.3%**	**1.3%**	**1.3%**	**1.3%**	**1.5%**	**1.4%**	**1.4%**	**1.4%**

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)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	81.17	3.98	8.55	17.15	1.37	2.43	2.29	6.15
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2008.85	2208.00	2172.33	1852.55
Indicator value	**1.5%**	**1.4%**	**1.4%**	**1.5%**	**1.2%**	**1.2%**	**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)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	6.15	19.40	4.94	3.23	7.32	13.77	10.59	2.88
Unplanned unavailable hours	0	0	0	0	0	0	8.63	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	2008.85	2208.00	2172.33	1852.55
Indicator value	**1.1%**	**1.1%**	**0.9%**	**0.9%**	**0.9%**	**0.9%**	**0.8%**	**0.6%**

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	33.83	2.63	15.73	13.66	46.44	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	20.22	0	24.64	0	0	0	30.80	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.7%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.8%**	**0.8%**	**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	0	1	0	1	0	0	1
Indicator value	**2**	**2**	**3**	**2**	**2**	**2**	**1**	**2**

Licensee Comments:

1Q/06: LER 254/2005-006

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	0.000025	0.000020	0.000020	0.000017	0.000015	0.000021	0.000013	0.000009	0.000010	0.000023	0.000017	0.000026
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	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**
Maximum activity	0.000025	0.000014	0.000023	0.000023	0.000017	0.000014	0.000012	0.000029	0.000019	0.000020	0.000035	0.000057
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	1.540	1.490	1.550	1.510	1.490	1.490	1.490	1.480	1.460	1.460	1.420	1.440
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.2**	**6.0**	**6.2**	**6.0**	**6.0**	**6.0**	**6.0**	**5.9**	**5.8**	**5.8**	**5.7**	**5.8**
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	1.440	1.630	1.580	1.500	1.510	1.530	1.490	1.500	1.470	1.740	1.510	1.510
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.8**	**6.5**	**6.3**	**6.0**	**6.0**	**6.1**	**6.0**	**6.0**	**5.9**	**7.0**	**6.0**	**6.0**

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	67.0	25.0	60.0	34.0	10.0	58.0	44.0	28.0
Total opportunities	74.0	25.0	60.0	36.0	10.0	58.0	45.0	30.0
Indicator value	**96.5%**	**96.5%**	**97.4%**	**97.1%**	**96.7%**	**97.2%**	**97.0%**	**96.4%**

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	72.0	71.0	73.0	72.0	72.0	74.0	74.0	72.0
Total Key personnel	73.0	71.0	73.0	72.0	72.0	74.0	74.0	72.0
Indicator value	**98.6%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful siren-tests	3314	3369	3374	3316	3304	3318	3310	3372
Total sirens-tests	3328	3380	3380	3328	3328	3328	3319	3380
Indicator value	**99.5%**	**99.6%**	**99.7%**	**99.7%**	**99.6%**	**99.6%**	**99.6%**	**99.6%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: May 5, 2006

Quad Cities 2

2Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2160.0	2008.9	2208.0	2172.3	1852.6	1770.1
Indicator value	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2208.0	2209.0	2160.0	2008.9	2208.0	2172.3	1852.6	1770.1
Indicator value	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0.8**	**0.9**

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	0	1	0	1	0	0	1	0
Indicator value	**2**	**3**	**2**	**2**	**2**	**1**	**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	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								3.20E-07
URI (ΔCDF)								-3.00E-07
PLE								NO
Indicator value								**2.00E-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	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								6.50E-09
URI (ΔCDF)								-4.50E-08
PLE								NO
Indicator value								**-3.85E-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)								2.70E-09
URI (ΔCDF)								-3.70E-08
PLE								NO
Indicator value								**-3.43E-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/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								-7.70E-08
URI (ΔCDF)								-1.30E-07
PLE								NO
Indicator value								**-2.07E-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	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								-5.10E-08
URI (ΔCDF)								-1.50E-09
PLE								NO
Indicator value								**-5.25E-08**

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	0.000017	0.000015	0.000021	0.000013	0.000009	0.000010	0.000023	0.000017	0.000026	0.000025	0.000014	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	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**
Maximum activity	0.000023	0.000017	0.000014	0.000012	0.000029	0.000019	0.000020	0.000035	0.000057	0.000024	0.000022	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

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	1.510	1.490	1.490	1.490	1.480	1.460	1.460	1.420	1.440	1.440	1.630	1.580
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**6.0**	**6.0**	**6.0**	**5.9**	**5.8**	**5.8**	**5.7**	**5.8**	**5.8**	**6.5**	**6.3**
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	1.500	1.510	1.530	1.490	1.500	1.470	1.740	1.510	1.510	1.620	1.580	1.580
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**6.0**	**6.1**	**6.0**	**6.0**	**5.9**	**7.0**	**6.0**	**6.0**	**6.5**	**6.3**	**6.3**

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	25.0	60.0	34.0	10.0	58.0	44.0	28.0	39.0
Total opportunities	25.0	60.0	36.0	10.0	58.0	45.0	30.0	39.0
Indicator value	**96.5%**	**97.4%**	**97.1%**	**96.7%**	**97.2%**	**97.0%**	**96.4%**	**98.3%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Participating Key personnel	71.0	73.0	72.0	72.0	74.0	74.0	72.0	76.0
Total Key personnel	71.0	73.0	72.0	72.0	74.0	74.0	72.0	76.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful siren-tests	3369	3374	3316	3304	3318	3310	3372	3316
Total sirens-tests	3380	3380	3328	3328	3328	3319	3380	3328
Indicator value	**99.6%**	**99.7%**	**99.7%**	**99.6%**	**99.6%**	**99.6%**	**99.6%**	**99.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: August 2, 2006

Quad Cities 2

3Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2160.0	2008.9	2208.0	2172.3	1852.6	1770.1	2208.0
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2209.0	2160.0	2008.9	2208.0	2172.3	1852.6	1770.1	2208.0
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0.8**	**0.9**	**0.9**

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	1	0	1	0	0	1	0	0
Indicator value	**3**	**2**	**2**	**2**	**1**	**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	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							3.20E-07	2.20E-07
URI (ΔCDF)							-3.00E-07	-2.90E-07
PLE							NO	NO
Indicator value							**2.00E-08**	**-7.00E-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/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							6.50E-09	5.80E-09
URI (ΔCDF)							-4.50E-08	-4.50E-08
PLE							NO	NO
Indicator value							**-3.85E-08**	**-3.92E-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)							2.70E-09	2.30E-09
URI (ΔCDF)							-3.70E-08	-3.70E-08
PLE							NO	NO
Indicator value							**-3.43E-08**	**-3.47E-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/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							-7.70E-08	-7.70E-08
URI (ΔCDF)							-1.30E-07	-1.30E-07
PLE							NO	NO
Indicator value							**-2.07E-07**	**-2.07E-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)							-5.10E-08	-5.10E-08
URI (ΔCDF)							-1.50E-09	-1.50E-09
PLE							NO	NO
Indicator value							**-5.25E-08**	**-5.25E-08**

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	0.000013	0.000009	0.000010	0.000023	0.000017	0.000026	0.000025	0.000014	0.000023	0.000023	0.000017	0.000014
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	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**
Maximum activity	0.000012	0.000029	0.000019	0.000020	0.000035	0.000057	0.000024	0.000022	0.000023	0.000032	0.000039	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**	**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	1.490	1.480	1.460	1.460	1.420	1.440	1.440	1.630	1.580	1.500	1.510	1.530
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**5.9**	**5.8**	**5.8**	**5.7**	**5.8**	**5.8**	**6.5**	**6.3**	**6.0**	**6.0**	**6.1**
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	1.490	1.500	1.470	1.740	1.510	1.510	1.620	1.580	1.580	1.570	1.580	1.530
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**6.0**	**5.9**	**7.0**	**6.0**	**6.0**	**6.5**	**6.3**	**6.3**	**6.3**	**6.3**	**6.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful opportunities	60.0	34.0	10.0	58.0	44.0	28.0	39.0	50.0
Total opportunities	60.0	36.0	10.0	58.0	45.0	30.0	39.0	50.0
Indicator value	**97.4%**	**97.1%**	**96.7%**	**97.2%**	**97.0%**	**96.4%**	**98.3%**	**98.5%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Participating Key personnel	73.0	72.0	72.0	74.0	74.0	72.0	76.0	75.0
Total Key personnel	73.0	72.0	72.0	74.0	74.0	72.0	76.0	75.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful siren-tests	3374	3316	3304	3318	3310	3372	3316	3311
Total sirens-tests	3380	3328	3328	3328	3319	3380	3328	3328
Indicator value	**99.7%**	**99.7%**	**99.6%**	**99.6%**	**99.6%**	**99.6%**	**99.7%**	**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	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: November 6, 2006

Quad Cities 2

4Q/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	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2160.0	2008.9	2208.0	2172.3	1852.6	1770.1	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2160.0	2008.9	2208.0	2172.3	1852.6	1770.1	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0.8**	**0.9**	**0.9**	**0.9**

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	0	0	0
Indicator value	**2**	**2**	**2**	**1**	**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	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						3.20E-07	2.20E-07	2.60E-07
URI (ΔCDF)						-3.00E-07	-2.90E-07	-7.00E-07
PLE						NO	NO	NO
Indicator value						**2.00E-08**	**-7.00E-08**	**-4.40E-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/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						6.50E-09	5.80E-09	1.20E-09
URI (ΔCDF)						-4.50E-08	-4.50E-08	-4.50E-08
PLE						NO	NO	NO
Indicator value						**-3.85E-08**	**-3.92E-08**	**-4.38E-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)						2.70E-09	2.30E-09	-1.00E-08
URI (ΔCDF)						-3.70E-08	-3.70E-08	-3.70E-08
PLE						NO	NO	NO
Indicator value						**-3.43E-08**	**-3.47E-08**	**-4.70E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						-7.70E-08	-7.70E-08	-7.70E-08
URI (ΔCDF)						-1.30E-07	-1.30E-07	-1.30E-07
PLE						NO	NO	NO
Indicator value						**-2.07E-07**	**-2.07E-07**	**-2.07E-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	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-5.10E-08	-5.10E-08	-5.10E-08
URI (ΔCDF)						-1.50E-09	-1.50E-09	-1.50E-09
PLE						NO	NO	NO
Indicator value						**-5.25E-08**	**-5.25E-08**	**-5.25E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**
Maximum activity	0.000023	0.000017	0.000026	0.000025	0.000014	0.000023	0.000023	0.000017	0.000014	0.000012	0.000029	0.000019
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	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**
Maximum activity	0.000020	0.000035	0.000057	0.000024	0.000022	0.000023	0.000032	0.000039	0.000043	0.000040	0.000033	0.000037
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	1.460	1.420	1.440	1.440	1.630	1.580	1.500	1.510	1.530	1.490	1.500	1.470
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.8**	**5.7**	**5.8**	**5.8**	**6.5**	**6.3**	**6.0**	**6.0**	**6.1**	**6.0**	**6.0**	**5.9**
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	1.740	1.510	1.510	1.620	1.580	1.580	1.570	1.580	1.530	1.700	1.530	1.480
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.0**	**6.0**	**6.0**	**6.5**	**6.3**	**6.3**	**6.3**	**6.3**	**6.1**	**6.8**	**6.1**	**5.9**

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	34.0	10.0	58.0	44.0	28.0	39.0	50.0	88.0
Total opportunities	36.0	10.0	58.0	45.0	30.0	39.0	50.0	89.0
Indicator value	**97.1%**	**96.7%**	**97.2%**	**97.0%**	**96.4%**	**98.3%**	**98.5%**	**98.3%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Participating Key personnel	72.0	72.0	74.0	74.0	72.0	76.0	75.0	81.0
Total Key personnel	72.0	72.0	74.0	74.0	72.0	76.0	75.0	81.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful siren-tests	3316	3304	3318	3310	3372	3316	3311	3270
Total sirens-tests	3328	3328	3328	3319	3380	3328	3328	3272
Indicator value	**99.7%**	**99.6%**	**99.6%**	**99.6%**	**99.6%**	**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	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: February 7, 2007

Quad Cities 2

1Q/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	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2008.9	2208.0	2172.3	1852.6	1770.1	2208.0	2209.0	2128.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**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	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Scrams	0	0	0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	2008.9	2208.0	2172.3	1852.6	1770.1	2208.0	2209.0	2128.2
Indicator value	**0**	**0**	**0**	**0.8**	**0.9**	**0.9**	**0.9**	**0**

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	0	0	0	0
Indicator value	**2**	**2**	**1**	**2**	**1**	**1**	**1**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					1.20E-07	1.70E-08	1.70E-08	8.40E-08
URI (ΔCDF)					-3.00E-07	-2.90E-07	-6.90E-07	-7.10E-07
PLE					NO	NO	NO	NO
Indicator value					**-1.80E-07**	**-2.73E-07**	**-6.73E-07**	**-6.26E-07**

Licensee Comments:

1Q/07: Changed PRA Parameter(s). Quad Cities Station completed a revalidation effort of MSPI implementation. The specific findings were documented in the corrective action program and CDE was revised. The errors included miscounting support system unavailability (cascading) against an MSPI system, not applying new MSPI definitions in the 3-year baseline of system unavailability, and data entry errors. The corrections did not result in any significant MSPI value changes.

4Q/06: Changed PRA Parameter(s).

3Q/06: Changed PRA Parameter(s).

2Q/06: 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/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					4.70E-09	4.00E-09	-6.20E-10	2.00E-08
URI (ΔCDF)					-4.50E-08	-4.50E-08	-4.50E-08	-4.60E-08
PLE					NO	NO	NO	NO
Indicator value					**-4.03E-08**	**-4.10E-08**	**-4.56E-08**	**-2.60E-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)					-1.10E-09	-1.90E-09	-1.40E-08	-1.40E-08
URI (ΔCDF)					-3.70E-08	-3.70E-08	-3.70E-08	-3.60E-08
PLE					NO	NO	NO	NO
Indicator value					**-3.81E-08**	**-3.89E-08**	**-5.10E-08**	**-5.00E-08**

Licensee Comments:

1Q/07: Changed PRA Parameter(s). Quad Cities Station completed a revalidation effort of MSPI implementation. The specific findings were documented in the corrective action program and CDE was revised. The errors included miscounting support system unavailability (cascading) against an MSPI system, not applying new MSPI definitions in the 3-year baseline of system unavailability, and data entry errors. The corrections did not result in any significant MSPI value changes.

4Q/06: Changed PRA Parameter(s).

3Q/06: Changed PRA Parameter(s).

2Q/06: 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/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					-7.70E-08	-7.70E-08	-7.70E-08	-7.70E-08
URI (ΔCDF)					-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07
PLE					NO	NO	NO	NO
Indicator value					**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**

Licensee Comments:

1Q/07: Changed PRA Parameter(s). Quad Cities Station completed a revalidation effort of MSPI implementation. The specific findings were documented in the corrective action program and CDE was revised. The errors included miscounting support system unavailability (cascading) against an MSPI system, not applying new MSPI definitions in the 3-year baseline of system unavailability, and data entry errors. The corrections did not result in any significant MSPI value changes.

4Q/06: Changed PRA Parameter(s).

3Q/06: Changed PRA Parameter(s).

2Q/06: 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/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					-5.10E-08	-5.10E-08	-5.10E-08	-5.10E-08
URI (ΔCDF)					-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09
PLE					NO	NO	NO	NO
Indicator value					**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**

Licensee Comments:

1Q/07: Changed PRA Parameter(s). Quad Cities Station completed a revalidation effort of MSPI implementation. The specific findings were documented in the corrective action program and CDE was revised. The errors included miscounting support system unavailability (cascading) against an MSPI system, not applying new MSPI definitions in the 3-year baseline of system unavailability, and data entry errors. The corrections did not result in any significant MSPI value changes.

4Q/06: Changed PRA Parameter(s).

3Q/06: Changed PRA Parameter(s).

2Q/06: Changed PRA Parameter(s).

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	0.000025	0.000014	0.000023	0.000023	0.000017	0.000014	0.000012	0.000029	0.000019	0.000020	0.000035	0.000057
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	0.000024	0.000022	0.000023	0.000032	0.000039	0.000043	0.000040	0.000033	0.000037	0.000052	0.000032	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	**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	1.440	1.630	1.580	1.500	1.510	1.530	1.490	1.500	1.470	1.740	1.510	1.510
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.8**	**6.5**	**6.3**	**6.0**	**6.0**	**6.1**	**6.0**	**6.0**	**5.9**	**7.0**	**6.0**	**6.0**
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	1.620	1.580	1.580	1.570	1.580	1.530	1.700	1.530	1.480	1.430	1.450	1.480
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.3**	**6.3**	**6.3**	**6.3**	**6.1**	**6.8**	**6.1**	**5.9**	**5.7**	**5.8**	**5.9**

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	10.0	58.0	44.0	28.0	39.0	50.0	88.0	26.0
Total opportunities	10.0	58.0	45.0	30.0	39.0	50.0	89.0	26.0
Indicator value	**96.7%**	**97.2%**	**97.0%**	**96.4%**	**98.3%**	**98.5%**	**98.3%**	**98.8%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Participating Key personnel	72.0	74.0	74.0	72.0	76.0	75.0	81.0	75.0
Total Key personnel	72.0	74.0	74.0	72.0	76.0	75.0	81.0	75.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful siren-tests	3304	3318	3310	3372	3316	3311	3270	3311
Total sirens-tests	3328	3328	3319	3380	3328	3328	3272	3328
Indicator value	**99.6%**	**99.6%**	**99.6%**	**99.6%**	**99.7%**	**99.7%**	**99.7%**	**99.6%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: June 1, 2007

Quad Cities 2

2Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2208.0	2172.3	1852.6	1770.1	2208.0	2209.0	2128.2	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**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	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Scrams	0	0	0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2208.0	2172.3	1852.6	1770.1	2208.0	2209.0	2128.2	2184.0
Indicator value	**0**	**0**	**0.8**	**0.9**	**0.9**	**0.9**	**0**	**0**

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	0	0	0	0	0
Indicator value	**2**	**1**	**2**	**1**	**1**	**1**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				1.20E-07	1.70E-08	1.70E-08	8.40E-08	-5.40E-08
URI (ΔCDF)				-3.00E-07	-2.90E-07	-6.90E-07	-7.10E-07	-7.10E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**-1.80E-07**	**-2.73E-07**	**-6.73E-07**	**-6.26E-07**	**-7.64E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				4.70E-09	4.00E-09	-6.20E-10	2.00E-08	5.60E-09
URI (ΔCDF)				-4.50E-08	-4.50E-08	-4.50E-08	-4.60E-08	-4.50E-08
PLE				NO	NO	NO	NO	NO
Indicator value				**-4.03E-08**	**-4.10E-08**	**-4.56E-08**	**-2.60E-08**	**-3.94E-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)				-1.10E-09	-1.90E-09	-1.40E-08	-1.40E-08	-1.40E-08
URI (ΔCDF)				-3.70E-08	-3.70E-08	-3.70E-08	-3.60E-08	-3.30E-08
PLE				NO	NO	NO	NO	NO
Indicator value				**-3.81E-08**	**-3.89E-08**	**-5.10E-08**	**-5.00E-08**	**-4.70E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				-7.70E-08	-7.70E-08	-7.70E-08	-7.70E-08	-7.70E-08
URI (ΔCDF)				-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-2.07E-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	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				-5.10E-08	-5.10E-08	-5.10E-08	-5.10E-08	-5.10E-08
URI (ΔCDF)				-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09
PLE				NO	NO	NO	NO	NO
Indicator value				**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**
Maximum activity	0.000023	0.000017	0.000014	0.000012	0.000029	0.000019	0.000020	0.000035	0.000057	0.000024	0.000022	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	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**
Maximum activity	0.000032	0.000039	0.000043	0.000040	0.000033	0.000037	0.000052	0.000032	0.000020	0.000026	0.000023	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	**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	1.500	1.510	1.530	1.490	1.500	1.470	1.740	1.510	1.510	1.620	1.580	1.580
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**6.0**	**6.1**	**6.0**	**6.0**	**5.9**	**7.0**	**6.0**	**6.0**	**6.5**	**6.3**	**6.3**
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	1.570	1.580	1.530	1.700	1.530	1.480	1.430	1.450	1.480	1.540	1.500	1.430
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.3**	**6.3**	**6.1**	**6.8**	**6.1**	**5.9**	**5.7**	**5.8**	**5.9**	**6.2**	**6.0**	**5.7**

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	44.0	28.0	39.0	50.0	88.0	26.0	23.0
Total opportunities	58.0	45.0	30.0	39.0	50.0	89.0	26.0	23.0
Indicator value	**97.2%**	**97.0%**	**96.4%**	**98.3%**	**98.5%**	**98.3%**	**98.8%**	**98.9%**

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	74.0	74.0	72.0	76.0	75.0	81.0	75.0	74.0
Total Key personnel	74.0	74.0	72.0	76.0	75.0	81.0	75.0	74.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful siren-tests	3318	3310	3372	3316	3311	3270	3311	3316
Total sirens-tests	3328	3319	3380	3328	3328	3272	3328	3328
Indicator value	**99.6%**	**99.6%**	**99.6%**	**99.7%**	**99.7%**	**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/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: August 6, 2007

Quad Cities 2

3Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2172.3	1852.6	1770.1	2208.0	2209.0	2128.2	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.8**	**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	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2172.3	1852.6	1770.1	2208.0	2209.0	2128.2	2184.0	2208.0
Indicator value	**0**	**0.8**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (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	0	0	0	0	0	0
Indicator value	**1**	**2**	**1**	**1**	**1**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			1.20E-07	1.70E-08	1.70E-08	8.40E-08	-5.40E-08	-4.70E-08
URI (ΔCDF)			-3.00E-07	-2.90E-07	-6.90E-07	-7.10E-07	-7.10E-07	-7.10E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-1.80E-07**	**-2.73E-07**	**-6.73E-07**	**-6.26E-07**	**-7.64E-07**	**-7.57E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			4.70E-09	4.00E-09	-6.20E-10	2.00E-08	5.60E-09	5.00E-09
URI (ΔCDF)			-4.50E-08	-4.50E-08	-4.50E-08	-4.60E-08	-4.50E-08	-4.50E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-4.03E-08**	**-4.10E-08**	**-4.56E-08**	**-2.60E-08**	**-3.94E-08**	**-4.00E-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)			-1.10E-09	-1.90E-09	-1.40E-08	-1.40E-08	-1.40E-08	-1.90E-08
URI (ΔCDF)			-3.70E-08	-3.70E-08	-3.70E-08	-3.60E-08	-3.30E-08	-3.30E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-3.81E-08**	**-3.89E-08**	**-5.10E-08**	**-5.00E-08**	**-4.70E-08**	**-5.20E-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/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			-7.70E-08	-7.70E-08	-7.70E-08	-7.70E-08	-7.70E-08	-7.70E-08
URI (ΔCDF)			-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-2.07E-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/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			-5.10E-08	-5.10E-08	-5.10E-08	-5.10E-08	-5.10E-08	-5.10E-08
URI (ΔCDF)			-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**
Maximum activity	0.000012	0.000029	0.000019	0.000020	0.000035	0.000057	0.000024	0.000022	0.000023	0.000032	0.000039	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**	**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	0.000040	0.000033	0.000037	0.000052	0.000032	0.000020	0.000026	0.000023	0.000022	0.000036	0.000018	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	1.490	1.500	1.470	1.740	1.510	1.510	1.620	1.580	1.580	1.570	1.580	1.530
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**6.0**	**5.9**	**7.0**	**6.0**	**6.0**	**6.5**	**6.3**	**6.3**	**6.3**	**6.3**	**6.1**
Reactor Coolant System Leakage	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**
Maximum leakage	1.700	1.530	1.480	1.430	1.450	1.480	1.540	1.500	1.430	1.410	1.420	1.400
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.8**	**6.1**	**5.9**	**5.7**	**5.8**	**5.9**	**6.2**	**6.0**	**5.7**	**5.6**	**5.7**	**5.6**

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	44.0	28.0	38.0	50.0	88.0	26.0	23.0	42.0
Total opportunities	45.0	30.0	39.0	50.0	89.0	26.0	23.0	42.0
Indicator value	**97.0%**	**96.4%**	**98.0%**	**98.2%**	**98.0%**	**98.6%**	**98.6%**	**98.5%**

Licensee Comments:

3Q/07: In the October 2007 submittal, the June 2006 "Successful drill, exer & event opportunities" value was changed from 11 to 10 in response to RIS 2007-02. A notification had been made during a drill 16 minutes after the Alert declaration during a rapidly escalating event per licensee procedure at that time. The PI color region and color were not affected.

2Q/06: In the October 2007 submittal, the June 2006 "Successful drill, exer & event opportunities" value was changed from 11 to 10 in response to RIS 2007-02. A notification had been made during a drill 16 minutes after the Alert declaration during a rapidly escalating event per licensee procedure at that time. The PI color region and color were not affected.

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	74.0	72.0	76.0	75.0	81.0	75.0	74.0	72.0
Total Key personnel	74.0	72.0	76.0	75.0	81.0	75.0	74.0	72.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful siren-tests	3310	3372	3316	3311	3270	3311	3316	3320
Total sirens-tests	3319	3380	3328	3328	3272	3328	3328	3328
Indicator value	**99.6%**	**99.6%**	**99.7%**	**99.7%**	**99.7%**	**99.6%**	**99.6%**	**99.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: December 7, 2007

Quad Cities 2

4Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	1852.6	1770.1	2208.0	2209.0	2128.2	2184.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0.8**	**0.8**	**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	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	1852.6	1770.1	2208.0	2209.0	2128.2	2184.0	2208.0	2209.0
Indicator value	**0.8**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (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	0	0	0	0	0	0	0
Indicator value	**2**	**1**	**1**	**1**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		1.20E-07	1.70E-08	1.70E-08	8.40E-08	-5.40E-08	-4.70E-08	8.20E-08
URI (ΔCDF)		-3.00E-07	-2.90E-07	-6.90E-07	-7.10E-07	-7.10E-07	-7.10E-07	-6.90E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-1.80E-07**	**-2.73E-07**	**-6.73E-07**	**-6.26E-07**	**-7.64E-07**	**-7.57E-07**	**-6.08E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		4.70E-09	4.00E-09	-6.20E-10	2.00E-08	5.60E-09	5.00E-09	3.30E-09
URI (ΔCDF)		-4.50E-08	-4.50E-08	-4.50E-08	-4.60E-08	-4.50E-08	-4.50E-08	-4.50E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-4.03E-08**	**-4.10E-08**	**-4.56E-08**	**-2.60E-08**	**-3.94E-08**	**-4.00E-08**	**-4.17E-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)		-1.10E-09	-1.90E-09	-1.40E-08	-1.40E-08	-1.40E-08	-1.90E-08	-1.80E-08
URI (ΔCDF)		-3.70E-08	-3.70E-08	-3.70E-08	-3.60E-08	-3.30E-08	-3.30E-08	-3.30E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-3.81E-08**	**-3.89E-08**	**-5.10E-08**	**-5.00E-08**	**-4.70E-08**	**-5.20E-08**	**-5.10E-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	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		-7.70E-08	-7.70E-08	-7.70E-08	-7.70E-08	-7.70E-08	-7.70E-08	-7.70E-08
URI (ΔCDF)		-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-2.07E-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	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		-5.10E-08	-5.10E-08	-5.10E-08	-5.10E-08	-5.10E-08	-5.10E-08	-5.10E-08
URI (ΔCDF)		-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-5.25E-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	0.000020	0.000035	0.000057	0.000024	0.000022	0.000023	0.000032	0.000039	0.000043	0.000040	0.000033	0.000037
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	0.000052	0.000032	0.000020	0.000026	0.000023	0.000022	0.000036	0.000018	0.000016	0.000017	0.000036	0.000036
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	1.740	1.510	1.510	1.620	1.580	1.580	1.570	1.580	1.530	1.700	1.530	1.480
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.0**	**6.0**	**6.0**	**6.5**	**6.3**	**6.3**	**6.3**	**6.3**	**6.1**	**6.8**	**6.1**	**5.9**
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	1.430	1.450	1.480	1.540	1.500	1.430	1.410	1.420	1.400	1.410	1.400	1.410
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.7**	**5.8**	**5.9**	**6.2**	**6.0**	**5.7**	**5.6**	**5.7**	**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	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful opportunities	28.0	38.0	50.0	88.0	26.0	23.0	42.0	41.0
Total opportunities	30.0	39.0	50.0	89.0	26.0	23.0	42.0	42.0
Indicator value	**96.4%**	**98.0%**	**98.2%**	**98.0%**	**98.6%**	**98.6%**	**98.5%**	**98.5%**

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	72.0	76.0	75.0	81.0	75.0	74.0	72.0	70.0
Total Key personnel	72.0	76.0	75.0	81.0	75.0	74.0	72.0	70.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful siren-tests	3372	3316	3311	3270	3311	3316	3320	3312
Total sirens-tests	3380	3328	3328	3272	3328	3328	3328	3328
Indicator value	**99.6%**	**99.7%**	**99.7%**	**99.7%**	**99.6%**	**99.6%**	**99.7%**	**99.6%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: February 4, 2008

Quad Cities 2

1Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	1770.1	2208.0	2209.0	2128.2	2184.0	2208.0	2209.0	1554.9
Indicator value	**0**	**0**	**0**	**0.8**	**0.8**	**0.8**	**0.8**	**0**

Licensee Comments:

1Q/08: 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	0	0	0	0	0	0	0
Critical hours	1770.1	2208.0	2209.0	2128.2	2184.0	2208.0	2209.0	1554.9
Indicator value	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**

Licensee Comments:

1Q/08: 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:

1Q/08: 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	0	0	0	0	0	0	0	1
Indicator value	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**1**

Licensee Comments:

1Q/08: LER 1-07-003, 1/18/08, Units 1 and 2 Control Room HVAC Air Filtration Unit Heater Flow Switch Failure

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)	1.20E-07	1.70E-08	1.70E-08	8.40E-08	-5.40E-08	-4.70E-08	8.20E-08	1.00E-07
URI (ΔCDF)	-3.00E-07	-2.90E-07	-6.90E-07	-7.10E-07	-7.10E-07	-7.10E-07	-6.90E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.80E-07**	**-2.73E-07**	**-6.73E-07**	**-6.26E-07**	**-7.64E-07**	**-7.57E-07**	**-6.08E-07**	**-1.00E-08**

Licensee Comments:

1Q/08: Changed PRA Parameter(s). None.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	4.70E-09	4.00E-09	-6.20E-10	2.00E-08	5.60E-09	5.00E-09	3.30E-09	2.80E-10
URI (ΔCDF)	-4.50E-08	-4.50E-08	-4.50E-08	-4.60E-08	-4.50E-08	-4.50E-08	-4.50E-08	-4.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.03E-08**	**-4.10E-08**	**-4.56E-08**	**-2.60E-08**	**-3.94E-08**	**-4.00E-08**	**-4.17E-08**	**-4.27E-08**

Licensee Comments:

1Q/08: Changed PRA Parameter(s). 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)	-1.10E-09	-1.90E-09	-1.40E-08	-1.40E-08	-1.40E-08	-1.90E-08	-1.80E-08	-1.30E-08
URI (ΔCDF)	-3.70E-08	-3.70E-08	-3.70E-08	-3.60E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.81E-08**	**-3.89E-08**	**-5.10E-08**	**-5.00E-08**	**-4.70E-08**	**-5.20E-08**	**-5.10E-08**	**-4.60E-08**

Licensee Comments:

1Q/08: Changed PRA Parameter(s). 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)	-7.70E-08	-7.70E-08	-7.70E-08	-7.70E-08	-7.70E-08	-7.70E-08	-7.70E-08	-5.90E-08
URI (ΔCDF)	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-1.69E-07**

Licensee Comments:

1Q/08: Changed PRA Parameter(s). 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)	-5.10E-08	-5.10E-08	-5.10E-08	-5.10E-08	-5.10E-08	-5.10E-08	-5.10E-08	-4.00E-08
URI (ΔCDF)	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.00E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-4.10E-08**

Licensee Comments:

1Q/08: Changed PRA Parameter(s). 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	0.000024	0.000022	0.000023	0.000032	0.000039	0.000043	0.000040	0.000033	0.000037	0.000052	0.000032	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	**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	0.000023	0.000022	0.000036	0.000018	0.000016	0.000017	0.000036	0.000036	0.000037	0.000037	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:

3/08: 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	1.620	1.580	1.580	1.570	1.580	1.530	1.700	1.530	1.480	1.430	1.450	1.480
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.3**	**6.3**	**6.3**	**6.3**	**6.1**	**6.8**	**6.1**	**5.9**	**5.7**	**5.8**	**5.9**
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	1.540	1.500	1.430	1.410	1.420	1.400	1.410	1.400	1.410	1.480	1.470	1.410
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.2**	**6.0**	**5.7**	**5.6**	**5.7**	**5.6**	**5.6**	**5.6**	**5.6**	**5.9**	**5.9**	**5.6**

Licensee Comments:

3/08: 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	38.0	50.0	88.0	26.0	23.0	42.0	41.0	30.0
Total opportunities	39.0	50.0	89.0	26.0	23.0	42.0	42.0	30.0
Indicator value	**98.0%**	**98.2%**	**98.0%**	**98.6%**	**98.6%**	**98.5%**	**98.5%**	**99.1%**

Licensee Comments:

1Q/08: 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	76.0	75.0	81.0	75.0	74.0	72.0	70.0	69.0
Total Key personnel	76.0	75.0	81.0	75.0	74.0	72.0	70.0	70.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.6%**

Licensee Comments:

1Q/08: 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	3316	3311	3270	3311	3316	3320	3312	3312
Total sirens-tests	3328	3328	3272	3328	3328	3328	3328	3319
Indicator value	**99.7%**	**99.7%**	**99.7%**	**99.6%**	**99.6%**	**99.7%**	**99.6%**	**99.7%**

Licensee Comments:

1Q/08: None.

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments:

1Q/08: 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:

1Q/08: None.

Physical Protection information not publicly available.

Last Modified: April 30, 2008

Quad Cities 2

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	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	2128.2	2184.0	2208.0	2209.0	1554.9	2184.0
Indicator value	**0**	**0**	**0.8**	**0.8**	**0.8**	**0.8**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2128.2	2184.0	2208.0	2209.0	1554.9	2184.0
Indicator value	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (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	0	0	0	1	0
Indicator value	**1**	**1**	**0**	**0**	**0**	**0**	**1**	**1**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	1.70E-08	1.70E-08	8.40E-08	-5.40E-08	-4.70E-08	8.20E-08	1.00E-07	3.70E-08
URI (ΔCDF)	-2.90E-07	-6.90E-07	-7.10E-07	-7.10E-07	-7.10E-07	-6.90E-07	-1.10E-07	-1.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.73E-07**	**-6.73E-07**	**-6.26E-07**	**-7.64E-07**	**-7.57E-07**	**-6.08E-07**	**-1.00E-08**	**-6.30E-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/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	4.00E-09	-6.20E-10	2.00E-08	5.60E-09	5.00E-09	3.30E-09	2.80E-10	4.50E-10
URI (ΔCDF)	-4.50E-08	-4.50E-08	-4.60E-08	-4.50E-08	-4.50E-08	-4.50E-08	-4.30E-08	-4.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.10E-08**	**-4.56E-08**	**-2.60E-08**	**-3.94E-08**	**-4.00E-08**	**-4.17E-08**	**-4.27E-08**	**-4.16E-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)	-1.90E-09	-1.40E-08	-1.40E-08	-1.40E-08	-1.90E-08	-1.80E-08	-1.30E-08	-1.40E-08
URI (ΔCDF)	-3.70E-08	-3.70E-08	-3.60E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.89E-08**	**-5.10E-08**	**-5.00E-08**	**-4.70E-08**	**-5.20E-08**	**-5.10E-08**	**-4.60E-08**	**-4.70E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	-7.70E-08	-7.70E-08	-7.70E-08	-7.70E-08	-7.70E-08	-7.70E-08	-5.90E-08	-5.90E-08
URI (ΔCDF)	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-1.69E-07**	**-1.69E-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)	-5.10E-08	-5.10E-08	-5.10E-08	-5.10E-08	-5.10E-08	-5.10E-08	-4.00E-08	-4.00E-08
URI (ΔCDF)	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.00E-09	-1.00E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-4.10E-08**	**-4.10E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**
Maximum activity	0.000032	0.000039	0.000043	0.000040	0.000033	0.000037	0.000052	0.000032	0.000020	0.000026	0.000023	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	**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	0.000036	0.000018	0.000016	0.000017	0.000036	0.000036	0.000037	0.000037	0.000030	0.000017	0.000008	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	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	1.570	1.580	1.530	1.700	1.530	1.480	1.430	1.450	1.480	1.540	1.500	1.430
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.3**	**6.3**	**6.1**	**6.8**	**6.1**	**5.9**	**5.7**	**5.8**	**5.9**	**6.2**	**6.0**	**5.7**
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	1.410	1.420	1.400	1.410	1.400	1.410	1.480	1.470	1.410	1.630	1.530	1.490
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.6**	**5.7**	**5.6**	**5.6**	**5.6**	**5.6**	**5.9**	**5.9**	**5.6**	**6.5**	**6.1**	**6.0**

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	50.0	88.0	26.0	23.0	42.0	41.0	30.0	32.0
Total opportunities	50.0	89.0	26.0	23.0	42.0	42.0	30.0	32.0
Indicator value	**98.2%**	**98.0%**	**98.6%**	**98.6%**	**98.5%**	**98.5%**	**99.1%**	**99.4%**

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	75.0	81.0	75.0	74.0	72.0	70.0	69.0	70.0
Total Key personnel	75.0	81.0	75.0	74.0	72.0	70.0	70.0	73.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.6%**	**95.9%**

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	3311	3270	3311	3316	3320	3312	3312	3284
Total sirens-tests	3328	3272	3328	3328	3328	3328	3319	3309
Indicator value	**99.7%**	**99.7%**	**99.6%**	**99.6%**	**99.7%**	**99.6%**	**99.7%**	**99.6%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Quad Cities 2

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	1.0	0	0	0	0	0	0
Critical hours	2209.0	2128.2	2184.0	2208.0	2209.0	1554.9	2184.0	2208.0
Indicator value	**0**	**0.8**	**0.8**	**0.8**	**0.8**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2209.0	2128.2	2184.0	2208.0	2209.0	1554.9	2184.0	2208.0
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**

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	0	0	0	1	0	1
Indicator value	**1**	**0**	**0**	**0**	**0**	**1**	**1**	**2**

Licensee Comments:

3Q/08: LER 1-08-001 Past Operation of Safe Shutdown Makeup Pump Outside Technical Specifications Surveillance Requirements dated 9/8/08. (Note SSMP failure counts against both unit.)

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)	1.70E-08	8.40E-08	-5.40E-08	-4.70E-08	8.20E-08	1.00E-07	3.70E-08	4.60E-08
URI (ΔCDF)	-6.90E-07	-7.10E-07	-7.10E-07	-7.10E-07	-6.90E-07	-1.10E-07	-1.00E-07	-5.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.73E-07**	**-6.26E-07**	**-7.64E-07**	**-7.57E-07**	**-6.08E-07**	**-1.00E-08**	**-6.30E-08**	**-1.20E-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	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	-6.20E-10	2.00E-08	5.60E-09	5.00E-09	3.30E-09	2.80E-10	4.50E-10	1.80E-09
URI (ΔCDF)	-4.50E-08	-4.60E-08	-4.50E-08	-4.50E-08	-4.50E-08	-4.30E-08	-4.20E-08	-4.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.56E-08**	**-2.60E-08**	**-3.94E-08**	**-4.00E-08**	**-4.17E-08**	**-4.27E-08**	**-4.16E-08**	**-4.02E-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)	-1.40E-08	-1.40E-08	-1.40E-08	-1.90E-08	-1.80E-08	-1.30E-08	-1.40E-08	-1.70E-08
URI (ΔCDF)	-3.70E-08	-3.60E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.10E-08**	**-5.00E-08**	**-4.70E-08**	**-5.20E-08**	**-5.10E-08**	**-4.60E-08**	**-4.70E-08**	**-5.00E-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	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	-7.70E-08	-7.70E-08	-7.70E-08	-7.70E-08	-7.70E-08	-5.90E-08	-5.90E-08	-5.90E-08
URI (ΔCDF)	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.10E-07	-1.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-1.69E-07**	**-1.69E-07**	**-1.69E-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)	-5.10E-08	-5.10E-08	-5.10E-08	-5.10E-08	-5.10E-08	-4.00E-08	-4.00E-08	-4.00E-08
URI (ΔCDF)	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.00E-09	-1.00E-09	-1.00E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**
Maximum activity	0.000040	0.000033	0.000037	0.000052	0.000032	0.000020	0.000026	0.000023	0.000022	0.000036	0.000018	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	0.000036	0.000036	0.000037	0.000037	0.000030	0.000017	0.000008	0.000018	0.000012	0.000015	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

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	1.700	1.530	1.480	1.430	1.450	1.480	1.540	1.500	1.430	1.410	1.420	1.400
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.8**	**6.1**	**5.9**	**5.7**	**5.8**	**5.9**	**6.2**	**6.0**	**5.7**	**5.6**	**5.7**	**5.6**
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	1.410	1.400	1.410	1.480	1.470	1.410	1.630	1.530	1.490	1.490	1.550	1.520
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.6**	**5.6**	**5.6**	**5.9**	**5.9**	**5.6**	**6.5**	**6.1**	**6.0**	**6.0**	**6.2**	**6.1**

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	88.0	26.0	23.0	42.0	41.0	30.0	32.0	24.0
Total opportunities	89.0	26.0	23.0	42.0	42.0	30.0	32.0	24.0
Indicator value	**98.0%**	**98.6%**	**98.6%**	**98.5%**	**98.5%**	**99.1%**	**99.4%**	**99.4%**

Licensee Comments: none

Notes

ERO Drill Participation	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Participating Key personnel	81.0	75.0	74.0	72.0	70.0	69.0	70.0	69.0
Total Key personnel	81.0	75.0	74.0	72.0	70.0	70.0	73.0	69.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.6%**	**95.9%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful siren-tests	3270	3311	3316	3320	3312	3312	3284	3367
Total sirens-tests	3272	3328	3328	3328	3328	3319	3309	3380
Indicator value	**99.7%**	**99.6%**	**99.6%**	**99.7%**	**99.6%**	**99.7%**	**99.6%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Security information not publicly available.

Last Modified: November 26, 2008

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4Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	2128.2	2184.0	2208.0	2209.0	1554.9	2184.0	2208.0	1990.5
Indicator value	**0.8**	**0.8**	**0.8**	**0.8**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned power changes	0	0	0	0	0	0	1.0	1.0
Critical hours	2128.2	2184.0	2208.0	2209.0	1554.9	2184.0	2208.0	1990.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**	**1.8**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (BWR)

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	0	0	0	1	0	1	0
Indicator value	**0**	**0**	**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	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	8.40E-08	-5.40E-08	-4.70E-08	8.20E-08	1.00E-07	3.70E-08	4.60E-08	1.10E-07
URI (ΔCDF)	-7.10E-07	-7.10E-07	-7.10E-07	-6.90E-07	-1.10E-07	-1.00E-07	-5.80E-08	-5.80E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.26E-07**	**-7.64E-07**	**-7.57E-07**	**-6.08E-07**	**-1.00E-08**	**-6.30E-08**	**-1.20E-08**	**1.04E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	2.00E-08	5.60E-09	5.00E-09	3.30E-09	2.80E-10	4.50E-10	1.80E-09	2.00E-09
URI (ΔCDF)	-4.60E-08	-4.50E-08	-4.50E-08	-4.50E-08	-4.30E-08	-4.20E-08	-4.20E-08	-4.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-08**	**-3.94E-08**	**-4.00E-08**	**-4.17E-08**	**-4.27E-08**	**-4.16E-08**	**-4.02E-08**	**-4.00E-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)	-1.40E-08	-1.40E-08	-1.90E-08	-1.80E-08	-1.30E-08	-1.40E-08	-1.70E-08	2.10E-09
URI (ΔCDF)	-3.60E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.00E-08**	**-4.70E-08**	**-5.20E-08**	**-5.10E-08**	**-4.60E-08**	**-4.70E-08**	**-5.00E-08**	**-3.09E-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/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	-7.70E-08	-7.70E-08	-7.70E-08	-7.70E-08	-5.90E-08	-5.90E-08	-5.90E-08	-5.90E-08
URI (ΔCDF)	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-1.69E-07**	**-1.69E-07**	**-1.69E-07**	**-1.69E-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)	-5.10E-08	-5.10E-08	-5.10E-08	-5.10E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08
URI (ΔCDF)	-1.50E-09	-1.50E-09	-1.50E-09	-1.50E-09	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**
Maximum activity	0.000052	0.000032	0.000020	0.000026	0.000023	0.000022	0.000036	0.000018	0.000016	0.000017	0.000036	0.000036
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	0.000037	0.000037	0.000030	0.000017	0.000008	0.000018	0.000012	0.000015	0.000013	0.000014	0.000019	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

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	1.430	1.450	1.480	1.540	1.500	1.430	1.410	1.420	1.400	1.410	1.400	1.410
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.7**	**5.8**	**5.9**	**6.2**	**6.0**	**5.7**	**5.6**	**5.7**	**5.6**	**5.6**	**5.6**	**5.6**
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	1.480	1.470	1.410	1.630	1.530	1.490	1.490	1.550	1.520	1.490	1.530	1.880
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.9**	**5.9**	**5.6**	**6.5**	**6.1**	**6.0**	**6.0**	**6.2**	**6.1**	**6.0**	**6.1**	**7.5**

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	26.0	23.0	42.0	41.0	30.0	32.0	24.0	47.0
Total opportunities	26.0	23.0	42.0	42.0	30.0	32.0	24.0	49.0
Indicator value	**98.6%**	**98.6%**	**98.5%**	**98.5%**	**99.1%**	**99.4%**	**99.4%**	**98.9%**

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	75.0	74.0	72.0	70.0	69.0	70.0	69.0	64.0
Total Key personnel	75.0	74.0	72.0	70.0	70.0	73.0	69.0	64.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.6%**	**95.9%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful siren-tests	3311	3316	3320	3312	3312	3284	3367	3315
Total sirens-tests	3328	3328	3328	3328	3319	3309	3380	3328
Indicator value	**99.6%**	**99.6%**	**99.7%**	**99.6%**	**99.7%**	**99.6%**	**99.5%**	**99.6%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Security information not publicly available.

Last Modified: February 4, 2009

Quad Cities 2

1Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	1554.9	2184.0	2208.0	1990.5	2159.0
Indicator value	**0.8**	**0.8**	**0.8**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned power changes	0	0	0	0	0	1.0	1.0	0
Critical hours	2184.0	2208.0	2209.0	1554.9	2184.0	2208.0	1990.5	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.9**	**1.8**	**1.6**

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	0	0	0	1	0	1	0	0
Indicator value	**0**	**0**	**0**	**1**	**1**	**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/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	-5.40E-08	-4.70E-08	8.20E-08	1.00E-07	3.70E-08	4.60E-08	1.10E-07	1.20E-07
URI (ΔCDF)	-7.10E-07	-7.10E-07	-6.90E-07	-1.10E-07	-1.00E-07	-5.80E-08	-5.80E-09	-1.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.64E-07**	**-7.57E-07**	**-6.08E-07**	**-1.00E-08**	**-6.30E-08**	**-1.20E-08**	**1.04E-07**	**1.09E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	5.60E-09	5.00E-09	3.30E-09	2.80E-10	4.50E-10	1.80E-09	2.00E-09	1.40E-08
URI (ΔCDF)	-4.50E-08	-4.50E-08	-4.50E-08	-4.30E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.94E-08**	**-4.00E-08**	**-4.17E-08**	**-4.27E-08**	**-4.16E-08**	**-4.02E-08**	**-4.00E-08**	**-2.90E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**
UAI (ΔCDF)	-1.40E-08	-1.90E-08	-1.80E-08	-1.30E-08	-1.40E-08	-1.70E-08	2.10E-09	1.80E-09
URI (ΔCDF)	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.70E-08**	**-5.20E-08**	**-5.10E-08**	**-4.60E-08**	**-4.70E-08**	**-5.00E-08**	**-3.09E-08**	**-3.12E-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/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	-7.70E-08	-7.70E-08	-7.70E-08	-5.90E-08	-5.90E-08	-5.90E-08	-5.90E-08	-5.90E-08
URI (ΔCDF)	-1.30E-07	-1.30E-07	-1.30E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-1.69E-07**	**-1.69E-07**	**-1.69E-07**	**-1.69E-07**	**-1.69E-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/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	-5.10E-08	-5.10E-08	-5.10E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08
URI (ΔCDF)	-1.50E-09	-1.50E-09	-1.50E-09	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.25E-08**	**-5.25E-08**	**-5.25E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**

Licensee Comments: none

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	0.000023	0.000022	0.000036	0.000018	0.000016	0.000017	0.000036	0.000036	0.000037	0.000037	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	**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	0.000008	0.000018	0.000012	0.000015	0.000013	0.000014	0.000019	0.000011	0.000024	0.000023	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	**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	1.540	1.500	1.430	1.410	1.420	1.400	1.410	1.400	1.410	1.480	1.470	1.410
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.2**	**6.0**	**5.7**	**5.6**	**5.7**	**5.6**	**5.6**	**5.6**	**5.6**	**5.9**	**5.9**	**5.6**
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	1.630	1.530	1.490	1.490	1.550	1.520	1.490	1.530	1.880	1.550	1.520	1.570
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.1**	**6.0**	**6.0**	**6.2**	**6.1**	**6.0**	**6.1**	**7.5**	**6.2**	**6.1**	**6.3**

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	23.0	42.0	41.0	30.0	32.0	24.0	47.0	15.0
Total opportunities	23.0	42.0	42.0	30.0	32.0	24.0	49.0	15.0
Indicator value	**98.6%**	**98.5%**	**98.5%**	**99.1%**	**99.4%**	**99.4%**	**98.9%**	**98.8%**

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	74.0	72.0	70.0	69.0	70.0	69.0	64.0	69.0
Total Key personnel	74.0	72.0	70.0	70.0	73.0	69.0	64.0	69.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**98.6%**	**95.9%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful siren-tests	3316	3320	3312	3312	3284	3367	3315	3269
Total sirens-tests	3328	3328	3328	3319	3309	3380	3328	3276
Indicator value	**99.6%**	**99.7%**	**99.6%**	**99.7%**	**99.6%**	**99.5%**	**99.6%**	**99.6%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: May 1, 2009

Quad Cities 2

2Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	1554.9	2184.0	2208.0	1990.5	2159.0	2184.0
Indicator value	**0.8**	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned power changes	0	0	0	0	1.0	1.0	0	0
Critical hours	2208.0	2209.0	1554.9	2184.0	2208.0	1990.5	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**1.8**	**1.6**	**1.6**

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	0	0	1	0	1	0	0	1
Indicator value	**0**	**0**	**1**	**1**	**2**	**2**	**1**	**2**

Licensee Comments:

2Q/09: LER 2-09-001, Failure of 1/2 Emergency Diesel Generator Auxiliaries to Transfer to Unit 2 power supply.

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)	-4.70E-08	8.20E-08	1.00E-07	3.70E-08	4.60E-08	1.10E-07	1.20E-07	1.20E-07
URI (ΔCDF)	-7.10E-07	-6.90E-07	-1.10E-07	-1.00E-07	-5.80E-08	-5.80E-09	-1.10E-08	-1.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.57E-07**	**-6.08E-07**	**-1.00E-08**	**-6.30E-08**	**-1.20E-08**	**1.04E-07**	**1.09E-07**	**1.09E-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)	5.00E-09	3.30E-09	2.80E-10	4.50E-10	1.80E-09	2.00E-09	1.40E-08	1.40E-08
URI (ΔCDF)	-4.50E-08	-4.50E-08	-4.30E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.30E-08	-4.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.00E-08**	**-4.17E-08**	**-4.27E-08**	**-4.16E-08**	**-4.02E-08**	**-4.00E-08**	**-2.90E-08**	**-2.60E-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/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-1.90E-08	-1.80E-08	-1.30E-08	-1.40E-08	-1.70E-08	2.10E-09	1.80E-09	1.60E-09
URI (ΔCDF)	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08	-2.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.20E-08**	**-5.10E-08**	**-4.60E-08**	**-4.70E-08**	**-5.00E-08**	**-3.09E-08**	**-3.12E-08**	**-2.74E-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/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-7.70E-08	-7.70E-08	-5.90E-08	-5.90E-08	-5.90E-08	-5.90E-08	-5.90E-08	-5.90E-08
URI (ΔCDF)	-1.30E-07	-1.30E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.07E-07**	**-2.07E-07**	**-1.69E-07**	**-1.69E-07**	**-1.69E-07**	**-1.69E-07**	**-1.69E-07**	**-1.69E-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)	-5.10E-08	-5.10E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08
URI (ΔCDF)	-1.50E-09	-1.50E-09	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.25E-08**	**-5.25E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**
Maximum activity	0.000036	0.000018	0.000016	0.000017	0.000036	0.000036	0.000037	0.000037	0.000030	0.000017	0.000008	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	**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	0.000012	0.000015	0.000013	0.000014	0.000019	0.000011	0.000024	0.000023	0.000023	0.000015	0.000015	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	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	1.410	1.420	1.400	1.410	1.400	1.410	1.480	1.470	1.410	1.630	1.530	1.490
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.6**	**5.7**	**5.6**	**5.6**	**5.6**	**5.6**	**5.9**	**5.9**	**5.6**	**6.5**	**6.1**	**6.0**
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	1.490	1.550	1.520	1.490	1.530	1.880	1.550	1.520	1.570	1.580	1.570	1.540
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**6.2**	**6.1**	**6.0**	**6.1**	**7.5**	**6.2**	**6.1**	**6.3**	**6.3**	**6.3**	**6.2**

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	42.0	41.0	30.0	32.0	24.0	47.0	15.0	11.0
Total opportunities	42.0	42.0	30.0	32.0	24.0	49.0	15.0	12.0
Indicator value	**98.5%**	**98.5%**	**99.1%**	**99.4%**	**99.4%**	**98.9%**	**98.8%**	**98.4%**

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	72.0	70.0	70.0	70.0	69.0	64.0	69.0	68.0
Total Key personnel	72.0	70.0	71.0	73.0	69.0	64.0	69.0	68.0
Indicator value	**100.0%**	**100.0%**	**98.6%**	**95.9%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments:

1Q/08: 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	3320	3312	3312	3284	3367	3315	3269	3325
Total sirens-tests	3328	3328	3319	3309	3380	3328	3276	3328
Indicator value	**99.7%**	**99.6%**	**99.7%**	**99.6%**	**99.5%**	**99.6%**	**99.6%**	**99.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: July 22, 2009

Quad Cities 2

3Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	1554.9	2184.0	2208.0	1990.5	2159.0	2184.0	2208.0
Indicator value	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned power changes	0	0	0	1.0	1.0	0	0	0
Critical hours	2209.0	1554.9	2184.0	2208.0	1990.5	2159.0	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0.9**	**1.8**	**1.6**	**1.6**	**0.8**

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	0	1	0	1	0	0	1	0
Indicator value	**0**	**1**	**1**	**2**	**2**	**1**	**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	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	8.20E-08	1.00E-07	3.70E-08	4.60E-08	1.10E-07	1.20E-07	1.20E-07	1.30E-07
URI (ΔCDF)	-6.90E-07	-1.10E-07	-1.00E-07	-5.80E-08	-5.80E-09	-1.10E-08	-1.10E-08	-1.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.08E-07**	**-1.00E-08**	**-6.30E-08**	**-1.20E-08**	**1.04E-07**	**1.09E-07**	**1.09E-07**	**1.19E-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)	3.30E-09	2.80E-10	4.50E-10	1.80E-09	2.00E-09	1.40E-08	1.40E-08	1.30E-08
URI (ΔCDF)	-4.50E-08	-4.30E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.30E-08	-4.00E-08	-4.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.17E-08**	**-4.27E-08**	**-4.16E-08**	**-4.02E-08**	**-4.00E-08**	**-2.90E-08**	**-2.60E-08**	**-2.70E-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/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	-1.80E-08	-1.30E-08	-1.40E-08	-1.70E-08	2.10E-09	1.80E-09	1.60E-09	1.60E-09
URI (ΔCDF)	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08	-2.90E-08	-2.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.10E-08**	**-4.60E-08**	**-4.70E-08**	**-5.00E-08**	**-3.09E-08**	**-3.12E-08**	**-2.74E-08**	**-2.74E-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/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	-7.70E-08	-5.90E-08	-5.90E-08	-5.90E-08	-5.90E-08	-5.90E-08	-5.90E-08	-5.20E-08
URI (ΔCDF)	-1.30E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.07E-07**	**-1.69E-07**	**-1.69E-07**	**-1.69E-07**	**-1.69E-07**	**-1.69E-07**	**-1.69E-07**	**-1.62E-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)	-5.10E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08
URI (ΔCDF)	-1.50E-09	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.25E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**
Maximum activity	0.000017	0.000036	0.000036	0.000037	0.000037	0.000030	0.000017	0.000008	0.000018	0.000012	0.000015	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	**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	0.000014	0.000019	0.000011	0.000024	0.000023	0.000023	0.000015	0.000015	0.000018	0.000013	0.000012	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	**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	1.410	1.400	1.410	1.480	1.470	1.410	1.630	1.530	1.490	1.490	1.550	1.520
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.6**	**5.6**	**5.6**	**5.9**	**5.9**	**5.6**	**6.5**	**6.1**	**6.0**	**6.0**	**6.2**	**6.1**
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	1.490	1.530	1.880	1.550	1.520	1.570	1.580	1.570	1.540	1.440	1.410	1.400
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**6.1**	**7.5**	**6.2**	**6.1**	**6.3**	**6.3**	**6.3**	**6.2**	**5.8**	**5.6**	**5.6**

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	41.0	30.0	32.0	24.0	47.0	15.0	11.0	70.0
Total opportunities	42.0	30.0	32.0	24.0	49.0	15.0	12.0	70.0
Indicator value	**98.5%**	**99.1%**	**99.4%**	**99.4%**	**98.9%**	**98.8%**	**98.4%**	**98.5%**

Licensee Comments: none

Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	70.0	70.0	70.0	69.0	64.0	69.0	68.0	61.0
Total Key personnel	70.0	71.0	73.0	69.0	64.0	69.0	68.0	63.0
Indicator value	**100.0%**	**98.6%**	**95.9%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**96.8%**

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	3312	3312	3284	3367	3315	3269	3325	3372
Total sirens-tests	3328	3319	3309	3380	3328	3276	3328	3380
Indicator value	**99.6%**	**99.7%**	**99.6%**	**99.5%**	**99.6%**	**99.6%**	**99.7%**	**99.8%**

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

Quad Cities 2

4Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1554.9	2184.0	2208.0	1990.5	2159.0	2184.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned power changes	0	0	1.0	1.0	0	0	0	0
Critical hours	1554.9	2184.0	2208.0	1990.5	2159.0	2184.0	2208.0	2209.0
Indicator value	**0**	**0**	**0.9**	**1.8**	**1.6**	**1.6**	**0.8**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (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	1	0	0	1	0	0
Indicator value	**1**	**1**	**2**	**2**	**1**	**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	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (ΔCDF)	1.00E-07	3.70E-08	4.60E-08	1.10E-07	1.20E-07	1.20E-07	1.30E-07	1.50E-07
URI (ΔCDF)	-1.10E-07	-1.00E-07	-5.80E-08	-5.80E-09	-1.10E-08	-1.10E-08	-1.10E-08	7.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-08**	**-6.30E-08**	**-1.20E-08**	**1.04E-07**	**1.09E-07**	**1.09E-07**	**1.19E-07**	**2.26E-07**

Licensee Comments:

4Q/09: Changed PRA Parameter(s). The MSPI Basis Document was revised on 9-9-09 to change the Emergency Diesel Generator mission time.

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)	2.80E-10	4.50E-10	1.80E-09	2.00E-09	1.40E-08	1.40E-08	1.30E-08	9.30E-09
URI (ΔCDF)	-4.30E-08	-4.20E-08	-4.20E-08	-4.20E-08	-4.30E-08	-4.00E-08	-4.00E-08	-4.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.27E-08**	**-4.16E-08**	**-4.02E-08**	**-4.00E-08**	**-2.90E-08**	**-2.60E-08**	**-2.70E-08**	**-3.07E-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/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (ΔCDF)	-1.30E-08	-1.40E-08	-1.70E-08	2.10E-09	1.80E-09	1.60E-09	1.60E-09	9.00E-09
URI (ΔCDF)	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08	-2.90E-08	-2.90E-08	-2.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.60E-08**	**-4.70E-08**	**-5.00E-08**	**-3.09E-08**	**-3.12E-08**	**-2.74E-08**	**-2.74E-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/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	-5.90E-08	-5.90E-08	-5.90E-08	-5.90E-08	-5.90E-08	-5.90E-08	-5.20E-08	-5.40E-08
URI (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
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.69E-07**	**-1.69E-07**	**-1.69E-07**	**-1.69E-07**	**-1.69E-07**	**-1.69E-07**	**-1.62E-07**	**-1.64E-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)	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08
URI (ΔCDF)	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**
Maximum activity	0.000037	0.000037	0.000030	0.000017	0.000008	0.000018	0.000012	0.000015	0.000013	0.000014	0.000019	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	**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	0.000024	0.000023	0.000023	0.000015	0.000015	0.000018	0.000013	0.000012	0.000021	0.000016	0.000012	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	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum leakage	1.480	1.470	1.410	1.630	1.530	1.490	1.490	1.550	1.520	1.490	1.530	1.880
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.9**	**5.9**	**5.6**	**6.5**	**6.1**	**6.0**	**6.0**	**6.2**	**6.1**	**6.0**	**6.1**	**7.5**
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	1.550	1.520	1.570	1.580	1.570	1.540	1.440	1.410	1.400	1.460	1.520	1.660
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.2**	**6.1**	**6.3**	**6.3**	**6.3**	**6.2**	**5.8**	**5.6**	**5.6**	**5.8**	**6.1**	**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	30.0	32.0	24.0	47.0	15.0	11.0	70.0	42.0
Total opportunities	30.0	32.0	24.0	49.0	15.0	12.0	70.0	42.0
Indicator value	**99.1%**	**99.4%**	**99.4%**	**98.9%**	**98.8%**	**98.4%**	**98.5%**	**98.9%**

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	70.0	70.0	69.0	64.0	69.0	68.0	61.0	64.0
Total Key personnel	71.0	73.0	69.0	64.0	69.0	68.0	63.0	64.0
Indicator value	**98.6%**	**95.9%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**96.8%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful siren-tests	3312	3284	3367	3315	3269	3325	3372	3326
Total sirens-tests	3319	3309	3380	3328	3276	3328	3380	3328
Indicator value	**99.7%**	**99.6%**	**99.5%**	**99.6%**	**99.6%**	**99.7%**	**99.8%**	**99.8%**

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

Quad Cities 2

1Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	1990.5	2159.0	2184.0	2208.0	2209.0	1752.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned power changes	0	1.0	1.0	0	0	0	0	0
Critical hours	2184.0	2208.0	1990.5	2159.0	2184.0	2208.0	2209.0	1752.5
Indicator value	**0**	**0.9**	**1.8**	**1.6**	**1.6**	**0.8**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (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	1	0	0	1	0	0	0
Indicator value	**1**	**2**	**2**	**1**	**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	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (ΔCDF)	3.70E-08	4.60E-08	1.10E-07	1.20E-07	1.20E-07	1.30E-07	1.50E-07	1.81E-07
URI (ΔCDF)	-1.00E-07	-5.80E-08	-5.80E-09	-1.10E-08	-1.10E-08	-1.10E-08	7.60E-08	7.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.30E-08**	**-1.20E-08**	**1.04E-07**	**1.09E-07**	**1.09E-07**	**1.19E-07**	**2.26E-07**	**2.60E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	4.50E-10	1.80E-09	2.00E-09	1.40E-08	1.40E-08	1.30E-08	9.30E-09	6.14E-09
URI (ΔCDF)	-4.20E-08	-4.20E-08	-4.20E-08	-4.30E-08	-4.00E-08	-4.00E-08	-4.00E-08	-3.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.16E-08**	**-4.02E-08**	**-4.00E-08**	**-2.90E-08**	**-2.60E-08**	**-2.70E-08**	**-3.07E-08**	**-3.30E-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/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (ΔCDF)	-1.40E-08	-1.70E-08	2.10E-09	1.80E-09	1.60E-09	1.60E-09	9.00E-09	8.25E-09
URI (ΔCDF)	-3.30E-08	-3.30E-08	-3.30E-08	-3.30E-08	-2.90E-08	-2.90E-08	-2.90E-08	-2.77E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.70E-08**	**-5.00E-08**	**-3.09E-08**	**-3.12E-08**	**-2.74E-08**	**-2.74E-08**	**-2.00E-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	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	-5.90E-08	-5.90E-08	-5.90E-08	-5.90E-08	-5.90E-08	-5.20E-08	-5.40E-08	-5.90E-08
URI (ΔCDF)	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.09E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.69E-07**	**-1.69E-07**	**-1.69E-07**	**-1.69E-07**	**-1.69E-07**	**-1.62E-07**	**-1.64E-07**	**-1.70E-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/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (ΔCDF)	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-3.96E-08
URI (ΔCDF)	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09	-9.97E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**
Maximum activity	0.000017	0.000008	0.000018	0.000012	0.000015	0.000013	0.000014	0.000019	0.000011	0.000024	0.000023	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	**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	0.000015	0.000015	0.000018	0.000013	0.000012	0.000021	0.000016	0.000012	0.000010	0.000013	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

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	1.630	1.530	1.490	1.490	1.550	1.520	1.490	1.530	1.880	1.550	1.520	1.570
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.1**	**6.0**	**6.0**	**6.2**	**6.1**	**6.0**	**6.1**	**7.5**	**6.2**	**6.1**	**6.3**
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	1.580	1.570	1.540	1.440	1.410	1.400	1.460	1.520	1.660	1.910	1.860	1.450
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.3**	**6.3**	**6.2**	**5.8**	**5.6**	**5.6**	**5.8**	**6.1**	**6.6**	**7.6**	**7.4**	**5.8**

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	32.0	24.0	47.0	15.0	11.0	70.0	42.0	18.0
Total opportunities	32.0	24.0	49.0	15.0	12.0	70.0	42.0	18.0
Indicator value	**99.4%**	**99.4%**	**98.9%**	**98.8%**	**98.4%**	**98.5%**	**98.9%**	**98.9%**

Licensee Comments: none

ERO Drill Participation

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	70.0	69.0	64.0	69.0	68.0	61.0	64.0	63.0
Total Key personnel	73.0	69.0	64.0	69.0	68.0	63.0	64.0	63.0
Indicator value	**95.9%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**96.8%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful siren-tests	3284	3367	3315	3269	3325	3372	3326	2643
Total sirens-tests	3309	3380	3328	3276	3328	3380	3328	2646
Indicator value	**99.6%**	**99.5%**	**99.6%**	**99.6%**	**99.7%**	**99.8%**	**99.8%**	**99.9%**

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

Quad Cities 2

2Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	1990.5	2159.0	2184.0	2208.0	2209.0	1752.5	1834.6
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned power changes	1.0	1.0	0	0	0	0	0	0
Critical hours	2208.0	1990.5	2159.0	2184.0	2208.0	2209.0	1752.5	1834.6
Indicator value	**0.9**	**1.8**	**1.6**	**1.6**	**0.8**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (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	1	0	0	1	0	0	0	0
Indicator value	**2**	**2**	**1**	**2**	**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/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	4.60E-08	1.10E-07	1.20E-07	1.20E-07	1.30E-07	1.50E-07	1.81E-07	1.76E-07
URI (ΔCDF)	-5.80E-08	-5.80E-09	-1.10E-08	-1.10E-08	-1.10E-08	7.60E-08	7.65E-08	7.64E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-08**	**1.04E-07**	**1.09E-07**	**1.09E-07**	**1.19E-07**	**2.26E-07**	**2.60E-07**	**2.50E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	1.80E-09	2.00E-09	1.40E-08	1.40E-08	1.30E-08	9.30E-09	6.14E-09	-5.52E-09
URI (ΔCDF)	-4.20E-08	-4.20E-08	-4.30E-08	-4.00E-08	-4.00E-08	-4.00E-08	-3.89E-08	-4.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.02E-08**	**-4.00E-08**	**-2.90E-08**	**-2.60E-08**	**-2.70E-08**	**-3.07E-08**	**-3.30E-08**	**-4.70E-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/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	-1.70E-08	2.10E-09	1.80E-09	1.60E-09	1.60E-09	9.00E-09	8.25E-09	8.37E-09
URI (ΔCDF)	-3.30E-08	-3.30E-08	-3.30E-08	-2.90E-08	-2.90E-08	-2.90E-08	-2.77E-08	-3.14E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.00E-08**	**-3.09E-08**	**-3.12E-08**	**-2.74E-08**	**-2.74E-08**	**-2.00E-08**	**-1.90E-08**	**-2.30E-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/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	-5.90E-08	-5.90E-08	-5.90E-08	-5.90E-08	-5.20E-08	-5.40E-08	-5.90E-08	-5.90E-08
URI (ΔCDF)	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.05E-07	-1.05E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.69E-07**	**-1.69E-07**	**-1.69E-07**	**-1.69E-07**	**-1.62E-07**	**-1.64E-07**	**-1.60E-07**	**-1.60E-07**

Licensee Comments:

1Q/10: Data revised impacting unreliability index. A breaker failure in March was originally not believed to impact this and following completion of the formal investigation, it was determined that it did impact the indicator. This does not affect the color of the indicator.

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)	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-3.96E-08	-3.96E-08
URI (ΔCDF)	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09	-9.97E-10	-9.97E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**
Maximum activity	0.000012	0.000015	0.000013	0.000014	0.000019	0.000011	0.000024	0.000023	0.000023	0.000015	0.000015	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	**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	0.000013	0.000012	0.000021	0.000016	0.000012	0.000010	0.000013	0.000010	0.000008	0.000006	0.000006	0.000005
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	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**
Maximum leakage	1.490	1.550	1.520	1.490	1.530	1.880	1.550	1.520	1.570	1.580	1.570	1.540
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**6.2**	**6.1**	**6.0**	**6.1**	**7.5**	**6.2**	**6.1**	**6.3**	**6.3**	**6.3**	**6.2**
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	1.440	1.410	1.400	1.460	1.520	1.660	1.910	1.860	1.450	1.830	1.810	1.780
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.8**	**5.6**	**5.6**	**5.8**	**6.1**	**6.6**	**7.6**	**7.4**	**5.8**	**7.3**	**7.2**	**7.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	24.0	47.0	15.0	11.0	70.0	42.0	18.0	46.0
Total opportunities	24.0	49.0	15.0	12.0	70.0	42.0	18.0	48.0
Indicator value	**99.4%**	**98.9%**	**98.8%**	**98.4%**	**98.5%**	**98.9%**	**98.9%**	**98.2%**

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	69.0	64.0	69.0	68.0	61.0	64.0	63.0	68.0
Total Key personnel	69.0	64.0	69.0	68.0	63.0	64.0	63.0	68.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**96.8%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful siren-tests	3367	3315	3269	3325	3372	3326	2643	2675
Total sirens-tests	3380	3328	3276	3328	3380	3328	2646	2688
Indicator value	**99.5%**	**99.6%**	**99.6%**	**99.7%**	**99.8%**	**99.8%**	**99.9%**	**99.8%**

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

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3Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	1990.5	2159.0	2184.0	2208.0	2209.0	1752.5	1834.6	2145.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**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/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	1990.5	2159.0	2184.0	2208.0	2209.0	1752.5	1834.6	2145.0
Indicator value	**1.8**	**1.6**	**1.6**	**0.8**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (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	0	1	0	0	0	0	0
Indicator value	**2**	**1**	**2**	**1**	**1**	**1**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	1.10E-07	1.20E-07	1.20E-07	1.30E-07	1.50E-07	1.81E-07	1.76E-07	1.88E-07
URI (ΔCDF)	-5.80E-09	-1.10E-08	-1.10E-08	-1.10E-08	7.60E-08	7.65E-08	7.64E-08	2.07E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.04E-07**	**1.09E-07**	**1.09E-07**	**1.19E-07**	**2.26E-07**	**2.60E-07**	**2.50E-07**	**4.00E-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	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	2.00E-09	1.40E-08	1.40E-08	1.30E-08	9.30E-09	6.14E-09	-5.52E-09	-4.85E-09
URI (ΔCDF)	-4.20E-08	-4.30E-08	-4.00E-08	-4.00E-08	-4.00E-08	-3.89E-08	-4.17E-08	-4.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.00E-08**	**-2.90E-08**	**-2.60E-08**	**-2.70E-08**	**-3.07E-08**	**-3.30E-08**	**-4.70E-08**	**-4.70E-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/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	2.10E-09	1.80E-09	1.60E-09	1.60E-09	9.00E-09	8.25E-09	8.37E-09	8.41E-09
URI (ΔCDF)	-3.30E-08	-3.30E-08	-2.90E-08	-2.90E-08	-2.90E-08	-2.77E-08	-3.14E-08	-3.14E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.09E-08**	**-3.12E-08**	**-2.74E-08**	**-2.74E-08**	**-2.00E-08**	**-1.90E-08**	**-2.30E-08**	**-2.30E-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/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	-5.90E-08	-5.90E-08	-5.90E-08	-5.20E-08	-5.40E-08	-5.90E-08	-5.90E-08	-4.30E-08
URI (ΔCDF)	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.05E-07	-1.05E-07	-1.02E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.69E-07**	**-1.69E-07**	**-1.69E-07**	**-1.62E-07**	**-1.64E-07**	**-1.60E-07**	**-1.60E-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	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-3.96E-08	-3.96E-08	-3.96E-08
URI (ΔCDF)	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09	-9.97E-10	-9.97E-10	-9.97E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**
Maximum activity	0.000014	0.000019	0.000011	0.000024	0.000023	0.000023	0.000015	0.000015	0.000018	0.000013	0.000012	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	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**
Maximum activity	0.000016	0.000012	0.000010	0.000013	0.000010	0.000008	0.000006	0.000006	0.000005	0.000009	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

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	1.490	1.530	1.880	1.550	1.520	1.570	1.580	1.570	1.540	1.440	1.410	1.400
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**6.1**	**7.5**	**6.2**	**6.1**	**6.3**	**6.3**	**6.3**	**6.2**	**5.8**	**5.6**	**5.6**
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	1.460	1.520	1.660	1.910	1.860	1.450	1.830	1.810	1.780	1.655	1.867	1.745
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.8**	**6.1**	**6.6**	**7.6**	**7.4**	**5.8**	**7.3**	**7.2**	**7.1**	**6.6**	**7.5**	**7.0**

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	47.0	15.0	11.0	70.0	42.0	17.0	46.0	39.0
Total opportunities	49.0	15.0	12.0	70.0	42.0	18.0	48.0	39.0
Indicator value	**98.9%**	**98.8%**	**98.4%**	**98.5%**	**98.9%**	**98.5%**	**97.8%**	**98.0%**

Licensee Comments:

2Q/10: DEP Opportunities that were originally credited in April were changed to be credited in May as a correction.

1Q/10: Successful drill, exer & event opportunities revised. Initial value was challenged during a subsequent internal self assessment.

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	64.0	69.0	68.0	61.0	64.0	63.0	68.0	69.0
Total Key personnel	64.0	69.0	68.0	63.0	64.0	63.0	68.0	69.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**96.8%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful siren-tests	3315	3269	3325	3372	3326	2643	2675	2723
Total sirens-tests	3328	3276	3328	3380	3328	2646	2688	2730
Indicator value	**99.6%**	**99.6%**	**99.7%**	**99.8%**	**99.8%**	**99.9%**	**99.8%**	**99.8%**

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

Quad Cities 2

4Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	1752.5	1834.6	2145.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**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	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	1752.5	1834.6	2145.0	2209.0
Indicator value	**1.6**	**1.6**	**0.8**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (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	0	1	0	0	0	0	0	0
Indicator value	**1**	**2**	**1**	**1**	**1**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	1.20E-07	1.20E-07	1.30E-07	1.50E-07	1.81E-07	1.76E-07	1.88E-07	1.66E-07
URI (ΔCDF)	-1.10E-08	-1.10E-08	-1.10E-08	7.60E-08	7.65E-08	7.64E-08	2.07E-07	2.09E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.09E-07**	**1.09E-07**	**1.19E-07**	**2.26E-07**	**2.60E-07**	**2.50E-07**	**4.00E-07**	**3.80E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	1.40E-08	1.40E-08	1.30E-08	9.30E-09	6.14E-09	-5.52E-09	-4.85E-09	-4.28E-09
URI (ΔCDF)	-4.30E-08	-4.00E-08	-4.00E-08	-4.00E-08	-3.89E-08	-4.17E-08	-4.17E-08	-4.17E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.90E-08**	**-2.60E-08**	**-2.70E-08**	**-3.07E-08**	**-3.30E-08**	**-4.70E-08**	**-4.70E-08**	**-4.60E-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/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (ΔCDF)	1.80E-09	1.60E-09	1.60E-09	9.00E-09	8.25E-09	8.37E-09	8.41E-09	1.57E-08
URI (ΔCDF)	-3.30E-08	-2.90E-08	-2.90E-08	-2.90E-08	-2.77E-08	-3.14E-08	-3.14E-08	-3.14E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.12E-08**	**-2.74E-08**	**-2.74E-08**	**-2.00E-08**	**-1.90E-08**	**-2.30E-08**	**-2.30E-08**	**-1.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	-5.90E-08	-5.90E-08	-5.20E-08	-5.40E-08	-5.90E-08	-5.90E-08	-4.30E-08	-2.44E-08
URI (ΔCDF)	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.05E-07	-1.05E-07	-1.02E-07	-1.02E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.69E-07**	**-1.69E-07**	**-1.62E-07**	**-1.64E-07**	**-1.60E-07**	**-1.60E-07**	**-1.40E-07**	**-1.30E-07**

Licensee Comments:

4Q/10: Changed PRA Parameter(s). A periodic revision to the PRA model resulted in revised values for FVURC and URPC.

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)	-4.00E-08	-4.00E-08	-4.00E-08	-4.00E-08	-3.96E-08	-3.96E-08	-3.96E-08	-3.96E-08
URI (ΔCDF)	-1.00E-09	-1.00E-09	-1.00E-09	-1.00E-09	-9.97E-10	-9.97E-10	-9.97E-10	1.94E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-3.90E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**
Maximum activity	0.000024	0.000023	0.000023	0.000015	0.000015	0.000018	0.000013	0.000012	0.000021	0.000016	0.000012	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	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**
Maximum activity	0.000013	0.000010	0.000008	0.000006	0.000006	0.000005	0.000009	0.000010	0.000009	0.000008	0.000009	0.000004
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	1.550	1.520	1.570	1.580	1.570	1.540	1.440	1.410	1.400	1.460	1.520	1.660
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.2**	**6.1**	**6.3**	**6.3**	**6.3**	**6.2**	**5.8**	**5.6**	**5.6**	**5.8**	**6.1**	**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	1.910	1.860	1.450	1.830	1.810	1.780	1.655	1.867	1.745	1.704	1.718	1.727
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.6**	**7.4**	**5.8**	**7.3**	**7.2**	**7.1**	**6.6**	**7.5**	**7.0**	**6.8**	**6.9**	**6.9**

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	15.0	11.0	70.0	42.0	17.0	44.0	37.0	39.0
Total opportunities	15.0	12.0	70.0	42.0	18.0	46.0	37.0	39.0
Indicator value	**98.8%**	**98.4%**	**98.5%**	**98.9%**	**98.5%**	**97.8%**	**97.9%**	**98.6%**

Licensee Comments:

3Q/10: Revised to reduce the number of opportunities following internal review of the data.

2Q/10: DEP Opportunities that were originally credited in April were changed to be credited in May as a correction. Additional change to reduce the number of opportunities following internal review of the data.

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	69.0	68.0	61.0	64.0	61.0	66.0	69.0	70.0
Total Key personnel	69.0	68.0	63.0	64.0	61.0	66.0	69.0	70.0
Indicator value	**100.0%**	**100.0%**	**96.8%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments:

3Q/10: Revised to correct data errors found during an internal review of data.

2Q/10: Revised to correct data errors found during an internal review of data.

1Q/10: Revised to correct data errors found during an internal review of data.

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	3269	3325	3372	3326	2643	2675	2723	2728
Total sirens-tests	3276	3328	3380	3328	2646	2688	2730	2730
Indicator value	**99.6%**	**99.7%**	**99.8%**	**99.8%**	**99.9%**	**99.8%**	**99.8%**	**99.8%**

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

Quad Cities 2

1Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2184.0	2208.0	2209.0	1752.5	1834.6	2145.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**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	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	1752.5	1834.6	2145.0	2209.0	2159.0
Indicator value	**1.6**	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (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	1	0	0	0	0	0	0	1
Indicator value	**2**	**1**	**1**	**1**	**0**	**0**	**0**	**1**

Licensee Comments:

1Q/11: Quad Cities LER 265/2011-001-00, Loss of Unit 2 Essential Service 480V Bus

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)	1.20E-07	1.30E-07	1.50E-07	1.81E-07	1.76E-07	1.88E-07	1.66E-07	1.17E-07
URI (ΔCDF)	-1.10E-08	-1.10E-08	7.60E-08	7.65E-08	7.64E-08	2.07E-07	2.09E-07	1.67E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.09E-07**	**1.19E-07**	**2.26E-07**	**2.60E-07**	**2.50E-07**	**4.00E-07**	**3.80E-07**	**2.80E-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)	1.40E-08	1.30E-08	9.30E-09	6.14E-09	-5.52E-09	-4.85E-09	-4.28E-09	-1.80E-09
URI (ΔCDF)	-4.00E-08	-4.00E-08	-4.00E-08	-3.89E-08	-4.17E-08	-4.17E-08	-4.17E-08	-3.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-08**	**-2.70E-08**	**-3.07E-08**	**-3.30E-08**	**-4.70E-08**	**-4.70E-08**	**-4.60E-08**	**-4.10E-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/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	1.60E-09	1.60E-09	9.00E-09	8.25E-09	8.37E-09	8.41E-09	1.57E-08	1.31E-08
URI (ΔCDF)	-2.90E-08	-2.90E-08	-2.90E-08	-2.77E-08	-3.14E-08	-3.14E-08	-3.14E-08	-2.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.74E-08**	**-2.74E-08**	**-2.00E-08**	**-1.90E-08**	**-2.30E-08**	**-2.30E-08**	**-1.60E-08**	**-1.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	-5.90E-08	-5.20E-08	-5.40E-08	-5.90E-08	-5.90E-08	-4.30E-08	-2.44E-08	1.82E-08
URI (ΔCDF)	-1.10E-07	-1.10E-07	-1.10E-07	-1.05E-07	-1.05E-07	-1.02E-07	-1.02E-07	-1.02E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.69E-07**	**-1.62E-07**	**-1.64E-07**	**-1.60E-07**	**-1.60E-07**	**-1.40E-07**	**-1.30E-07**	**-8.40E-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	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	-4.00E-08	-4.00E-08	-4.00E-08	-3.96E-08	-3.96E-08	-3.96E-08	-3.96E-08	-3.96E-08
URI (ΔCDF)	-1.00E-09	-1.00E-09	-1.00E-09	-9.97E-10	-9.97E-10	-9.97E-10	1.94E-10	1.94E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-3.90E-08**	**-3.90E-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	0.000015	0.000015	0.000018	0.000013	0.000012	0.000021	0.000016	0.000012	0.000010	0.000013	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	**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	0.000006	0.000006	0.000005	0.000009	0.000010	0.000009	0.000008	0.000009	0.000004	0.000009	0.000004	0.000004
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	1.580	1.570	1.540	1.440	1.410	1.400	1.460	1.520	1.660	1.910	1.860	1.450
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.3**	**6.3**	**6.2**	**5.8**	**5.6**	**5.6**	**5.8**	**6.1**	**6.6**	**7.6**	**7.4**	**5.8**
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	1.830	1.810	1.780	1.655	1.867	1.745	1.704	1.718	1.727	1.858	1.793	1.789
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.3**	**7.2**	**7.1**	**6.6**	**7.5**	**7.0**	**6.8**	**6.9**	**6.9**	**7.4**	**7.2**	**7.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful opportunities	11.0	70.0	42.0	17.0	44.0	37.0	39.0	62.0
Total opportunities	12.0	70.0	42.0	18.0	46.0	37.0	39.0	62.0
Indicator value	**98.4%**	**98.5%**	**98.9%**	**98.5%**	**97.8%**	**97.9%**	**98.6%**	**98.8%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Participating Key personnel	68.0	61.0	64.0	61.0	66.0	69.0	70.0	75.0
Total Key personnel	68.0	63.0	64.0	61.0	66.0	69.0	70.0	75.0
Indicator value	**100.0%**	**96.8%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful siren-tests	3325	3372	3326	2643	2675	2723	2728	2686
Total sirens-tests	3328	3380	3328	2646	2688	2730	2730	2688
Indicator value	**99.7%**	**99.8%**	**99.8%**	**99.9%**	**99.8%**	**99.8%**	**99.8%**	**99.8%**

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

Quad Cities 2

2Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2208.0	2209.0	1752.5	1834.6	2145.0	2209.0	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**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	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	1752.5	1834.6	2145.0	2209.0	2159.0	2184.0
Indicator value	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (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	0	0	0	0	1	0
Indicator value	**1**	**1**	**1**	**0**	**0**	**0**	**1**	**1**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	1.30E-07	1.50E-07	1.81E-07	1.76E-07	1.88E-07	1.66E-07	1.17E-07	1.57E-07
URI (ΔCDF)	-1.10E-08	7.60E-08	7.65E-08	7.64E-08	1.24E-07	1.25E-07	8.02E-08	7.84E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.19E-07**	**2.26E-07**	**2.60E-07**	**2.50E-07**	**3.10E-07**	**2.90E-07**	**2.00E-07**	**2.40E-07**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

1Q/11: MSPI failure record 1065 was attributed to the both the diesel generator and the cooling water pump, in error. The diesel generator record was corrected to remove this failure, which drove a change to this indicator.

4Q/10: MSPI failure record 1065 was attributed to the both the diesel generator and the cooling water pump, in error. The diesel generator record was corrected to remove this failure, which drove a change to this indicator.

3Q/10: MSPI failure record 1065 was attributed to the both the diesel generator and the cooling water pump, in error. The diesel generator record was corrected to remove this failure, which drove a change to this indicator.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	1.30E-08	9.30E-09	6.14E-09	-5.52E-09	-4.85E-09	-4.28E-09	-1.80E-09	5.87E-09
URI (ΔCDF)	-4.00E-08	-4.00E-08	-3.89E-08	-4.17E-08	-4.17E-08	-4.17E-08	-3.89E-08	-3.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.70E-08**	**-3.07E-08**	**-3.30E-08**	**-4.70E-08**	**-4.70E-08**	**-4.60E-08**	**-4.10E-08**	**-3.30E-08**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

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)	1.60E-09	9.00E-09	8.25E-09	8.37E-09	8.41E-09	1.57E-08	1.31E-08	1.38E-08
URI (ΔCDF)	-2.90E-08	-2.90E-08	-2.77E-08	-3.14E-08	-3.14E-08	-3.14E-08	-2.89E-08	-2.76E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.74E-08**	**-2.00E-08**	**-1.90E-08**	**-2.30E-08**	**-2.30E-08**	**-1.60E-08**	**-1.60E-08**	**-1.40E-08**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

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)	-5.20E-08	-5.40E-08	-5.90E-08	-5.90E-08	-4.30E-08	-2.44E-08	1.82E-08	1.82E-08
URI (ΔCDF)	-1.10E-07	-1.10E-07	-1.05E-07	-1.05E-07	-1.02E-07	-1.02E-07	-1.02E-07	-1.02E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.62E-07**	**-1.64E-07**	**-1.60E-07**	**-1.60E-07**	**-1.40E-07**	**-1.30E-07**	**-8.40E-08**	**-8.40E-08**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

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)	-4.00E-08	-4.00E-08	-3.96E-08	-3.96E-08	-3.96E-08	-3.96E-08	-3.96E-08	-3.96E-08
URI (ΔCDF)	-1.00E-09	-1.00E-09	-9.97E-10	-9.97E-10	-9.97E-10	1.94E-10	1.94E-10	1.94E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-3.90E-08**	**-3.90E-08**	**-3.90E-08**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

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	0.000013	0.000012	0.000021	0.000016	0.000012	0.000010	0.000013	0.000010	0.000008	0.000006	0.000006	0.000005
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	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**
Maximum activity	0.000009	0.000010	0.000009	0.000008	0.000009	0.000004	0.000009	0.000004	0.000004	0.000009	0.000008	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

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	1.440	1.410	1.400	1.460	1.520	1.660	1.910	1.860	1.450	1.830	1.810	1.780
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.8**	**5.6**	**5.6**	**5.8**	**6.1**	**6.6**	**7.6**	**7.4**	**5.8**	**7.3**	**7.2**	**7.1**
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	1.655	1.867	1.745	1.704	1.718	1.727	1.858	1.793	1.789	1.798	1.801	1.795
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**7.5**	**7.0**	**6.8**	**6.9**	**6.9**	**7.4**	**7.2**	**7.2**	**7.2**	**7.2**	**7.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful opportunities	70.0	42.0	17.0	44.0	37.0	39.0	62.0	10.0
Total opportunities	70.0	42.0	18.0	46.0	37.0	39.0	62.0	10.0
Indicator value	**98.5%**	**98.9%**	**98.5%**	**97.8%**	**97.9%**	**98.6%**	**98.8%**	**99.1%**

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	61.0	64.0	61.0	66.0	69.0	70.0	75.0	75.0
Total Key personnel	63.0	64.0	61.0	66.0	69.0	70.0	75.0	75.0
Indicator value	**96.8%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful siren-tests	3372	3326	2643	2675	2723	2728	2686	2686
Total sirens-tests	3380	3328	2646	2688	2730	2730	2688	2688
Indicator value	**99.8%**	**99.8%**	**99.9%**	**99.8%**	**99.8%**	**99.8%**	**99.8%**	**99.9%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: July 22, 2011

Quad Cities 2

3Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2209.0	1752.5	1834.6	2145.0	2209.0	2159.0	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**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	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	1752.5	1834.6	2145.0	2209.0	2159.0	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/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	0	0	0	0	1	0	1
Indicator value	**1**	**1**	**0**	**0**	**0**	**1**	**1**	**2**

Licensee Comments:

3Q/11: Quad Cities LER 254/2011-003-00, Control Room Emergency Ventilation Air Conditioning System Inoperable (Unit 2).

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)	1.50E-07	1.81E-07	1.76E-07	1.88E-07	1.66E-07	1.17E-07	1.57E-07	2.99E-08
URI (ΔCDF)	7.60E-08	7.65E-08	7.64E-08	1.24E-07	1.25E-07	8.02E-08	7.84E-08	-1.48E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.26E-07**	**2.60E-07**	**2.50E-07**	**3.10E-07**	**2.90E-07**	**2.00E-07**	**2.40E-07**	**2.80E-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/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	9.30E-09	6.14E-09	-5.52E-09	-4.85E-09	-4.28E-09	-1.80E-09	5.87E-09	2.14E-09
URI (ΔCDF)	-4.00E-08	-3.89E-08	-4.17E-08	-4.17E-08	-4.17E-08	-3.89E-08	-3.89E-08	-1.56E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.07E-08**	**-3.30E-08**	**-4.70E-08**	**-4.70E-08**	**-4.60E-08**	**-4.10E-08**	**-3.30E-08**	**-1.30E-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/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	9.00E-09	8.25E-09	8.37E-09	8.41E-09	1.57E-08	1.31E-08	1.38E-08	6.24E-09
URI (ΔCDF)	-2.90E-08	-2.77E-08	-3.14E-08	-3.14E-08	-3.14E-08	-2.89E-08	-2.76E-08	-1.15E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.00E-08**	**-1.90E-08**	**-2.30E-08**	**-2.30E-08**	**-1.60E-08**	**-1.60E-08**	**-1.40E-08**	**-5.30E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	-5.40E-08	-5.90E-08	-5.90E-08	-4.30E-08	-2.44E-08	1.82E-08	1.82E-08	-9.36E-09
URI (ΔCDF)	-1.10E-07	-1.05E-07	-1.05E-07	-1.02E-07	-1.02E-07	-1.02E-07	-1.02E-07	-3.74E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.64E-07**	**-1.60E-07**	**-1.60E-07**	**-1.40E-07**	**-1.30E-07**	**-8.40E-08**	**-8.40E-08**	**-4.70E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	-4.00E-08	-3.96E-08	-3.96E-08	-3.96E-08	-3.96E-08	-3.96E-08	-3.96E-08	-1.54E-08
URI (ΔCDF)	-1.00E-09	-9.97E-10	-9.97E-10	-9.97E-10	1.94E-10	1.94E-10	1.94E-10	1.06E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-3.90E-08**	**-3.90E-08**	**-3.90E-08**	**-1.50E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**
Maximum activity	0.000016	0.000012	0.000010	0.000013	0.000010	0.000008	0.000006	0.000006	0.000005	0.000009	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	**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	0.000008	0.000009	0.000004	0.000009	0.000004	0.000004	0.000009	0.000008	0.000008	0.000004	0.000003	0.000003
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	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**
Maximum leakage	1.460	1.520	1.660	1.910	1.860	1.450	1.830	1.810	1.780	1.655	1.867	1.745
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.8**	**6.1**	**6.6**	**7.6**	**7.4**	**5.8**	**7.3**	**7.2**	**7.1**	**6.6**	**7.5**	**7.0**
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	1.704	1.718	1.727	1.858	1.793	1.789	1.798	1.801	1.795	1.884	1.871	1.749
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.8**	**6.9**	**6.9**	**7.4**	**7.2**	**7.2**	**7.2**	**7.2**	**7.2**	**7.5**	**7.5**	**7.0**

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	42.0	17.0	44.0	37.0	39.0	62.0	10.0	65.0
Total opportunities	42.0	18.0	46.0	37.0	39.0	62.0	10.0	65.0
Indicator value	**98.9%**	**98.5%**	**97.8%**	**97.9%**	**98.6%**	**98.8%**	**99.1%**	**99.1%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Participating Key personnel	64.0	61.0	66.0	69.0	70.0	75.0	75.0	73.0
Total Key personnel	64.0	61.0	66.0	69.0	70.0	75.0	75.0	73.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful siren-tests	3326	2643	2675	2723	2728	2686	2686	2685
Total sirens-tests	3328	2646	2688	2730	2730	2688	2688	2688
Indicator value	**99.8%**	**99.9%**	**99.8%**	**99.8%**	**99.8%**	**99.8%**	**99.9%**	**99.9%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: November 29, 2011

Quad Cities 2

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	1.0	0	0	0	0	0
Critical hours	1752.5	1834.6	2145.0	2209.0	2159.0	2184.0	2208.0	2209.0
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.8**	**0.8**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1752.5	1834.6	2145.0	2209.0	2159.0	2184.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/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	0	0	0	0	1	0	1	0
Indicator value	**1**	**0**	**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	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	1.81E-07	1.76E-07	1.88E-07	1.66E-07	1.17E-07	1.57E-07	2.99E-08	1.92E-08
URI (ΔCDF)	7.65E-08	7.64E-08	1.24E-07	1.25E-07	8.02E-08	7.84E-08	-1.48E-09	-4.95E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.60E-07**	**2.50E-07**	**3.10E-07**	**2.90E-07**	**2.00E-07**	**2.40E-07**	**2.80E-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	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	6.14E-09	-5.52E-09	-4.85E-09	-4.28E-09	-1.80E-09	5.87E-09	2.14E-09	2.31E-09
URI (ΔCDF)	-3.89E-08	-4.17E-08	-4.17E-08	-4.17E-08	-3.89E-08	-3.89E-08	-1.56E-08	-1.56E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-08**	**-4.70E-08**	**-4.70E-08**	**-4.60E-08**	**-4.10E-08**	**-3.30E-08**	**-1.30E-08**	**-1.30E-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/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	8.25E-09	8.37E-09	8.41E-09	1.57E-08	1.31E-08	1.38E-08	6.24E-09	-2.57E-09
URI (ΔCDF)	-2.77E-08	-3.14E-08	-3.14E-08	-3.14E-08	-2.89E-08	-2.76E-08	-1.15E-08	-1.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-08**	**-2.30E-08**	**-2.30E-08**	**-1.60E-08**	**-1.60E-08**	**-1.40E-08**	**-5.30E-09**	**-1.50E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	-5.90E-08	-5.90E-08	-4.30E-08	-2.44E-08	1.82E-08	1.82E-08	-9.36E-09	-1.08E-08
URI (ΔCDF)	-1.05E-07	-1.05E-07	-1.02E-07	-1.02E-07	-1.02E-07	-1.02E-07	-3.74E-08	-3.74E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.60E-07**	**-1.40E-07**	**-1.30E-07**	**-8.40E-08**	**-8.40E-08**	**-4.70E-08**	**-4.80E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	-3.96E-08	-3.96E-08	-3.96E-08	-3.96E-08	-3.96E-08	-3.96E-08	-1.54E-08	-1.57E-08
URI (ΔCDF)	-9.97E-10	-9.97E-10	-9.97E-10	1.94E-10	1.94E-10	1.94E-10	1.06E-10	1.06E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.10E-08**	**-4.10E-08**	**-4.10E-08**	**-3.90E-08**	**-3.90E-08**	**-3.90E-08**	**-1.50E-08**	**-1.60E-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	0.000013	0.000010	0.000008	0.000006	0.000006	0.000005	0.000009	0.000010	0.000009	0.000008	0.000009	0.000004
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	0.000009	0.000004	0.000004	0.000009	0.000008	0.000008	0.000004	0.000003	0.000003	0.000007	0.000003	0.000004
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	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**
Maximum leakage	1.910	1.860	1.450	1.830	1.810	1.780	1.655	1.867	1.745	1.704	1.718	1.727
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.6**	**7.4**	**5.8**	**7.3**	**7.2**	**7.1**	**6.6**	**7.5**	**7.0**	**6.8**	**6.9**	**6.9**
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	1.858	1.793	1.789	1.798	1.801	1.795	1.884	1.871	1.749	1.841	1.712	2.318
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.4**	**7.2**	**7.2**	**7.2**	**7.2**	**7.2**	**7.5**	**7.5**	**7.0**	**7.4**	**6.8**	**9.3**

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	17.0	44.0	37.0	39.0	62.0	10.0	65.0	44.0
Total opportunities	18.0	46.0	37.0	39.0	62.0	10.0	65.0	44.0
Indicator value	**98.5%**	**97.8%**	**97.9%**	**98.6%**	**98.8%**	**99.1%**	**99.1%**	**99.1%**

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	61.0	66.0	69.0	70.0	75.0	75.0	73.0	72.0
Total Key personnel	61.0	66.0	69.0	70.0	75.0	75.0	73.0	72.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful siren-tests	2643	2675	2723	2728	2686	2686	2685	2687
Total sirens-tests	2646	2688	2730	2730	2688	2688	2688	2688
Indicator value	**99.9%**	**99.8%**	**99.8%**	**99.8%**	**99.8%**	**99.9%**	**99.9%**	**99.9%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: February 2, 2012

Quad Cities 2

1Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	1834.6	2145.0	2209.0	2159.0	2184.0	2208.0	2209.0	1872.8
Indicator value	**0**	**0.9**	**0.9**	**0.8**	**0.8**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1834.6	2145.0	2209.0	2159.0	2184.0	2208.0	2209.0	1872.8
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (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	0	1	0	1	0	1
Indicator value	**0**	**0**	**0**	**1**	**1**	**2**	**2**	**2**

Licensee Comments:

3Q/11: Quad Cities LER 254/2011-003-00, Control Room Emergency Ventilation Air Conditioning System Inoperable (Unit 2).

1Q/11: Quad Cities LER 265/2011-001-00, Loss of Unit 2 Essential Service 480V Bus

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)	1.76E-07	1.88E-07	1.66E-07	1.17E-07	1.57E-07	2.99E-08	1.92E-08	8.97E-09
URI (ΔCDF)	7.64E-08	1.24E-07	1.25E-07	8.02E-08	7.84E-08	-1.48E-09	-4.95E-08	-4.94E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.50E-07**	**3.10E-07**	**2.90E-07**	**2.00E-07**	**2.40E-07**	**2.80E-08**	**-3.00E-08**	**-4.00E-08**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

1Q/11: MSPI failure record 1065 was attributed to the both the diesel generator and the cooling water pump, in error. The diesel generator record was corrected to remove this failure, which drove a change to this indicator.

4Q/10: MSPI failure record 1065 was attributed to the both the diesel generator and the cooling water pump, in error. The diesel generator record was corrected to remove this failure, which drove a change to this indicator.

3Q/10: MSPI failure record 1065 was attributed to the both the diesel generator and the cooling water pump, in error. The diesel generator record was corrected to remove this failure, which drove a change to this indicator.

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)	-5.52E-09	-4.85E-09	-4.28E-09	-1.80E-09	5.87E-09	2.14E-09	2.31E-09	5.46E-09
URI (ΔCDF)	-4.17E-08	-4.17E-08	-4.17E-08	-3.89E-08	-3.89E-08	-1.56E-08	-1.56E-08	-1.56E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.70E-08**	**-4.70E-08**	**-4.60E-08**	**-4.10E-08**	**-3.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.00E-08**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

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)	8.37E-09	8.41E-09	1.57E-08	1.31E-08	1.38E-08	6.24E-09	-2.57E-09	1.52E-08
URI (ΔCDF)	-3.14E-08	-3.14E-08	-3.14E-08	-2.89E-08	-2.76E-08	-1.15E-08	-1.26E-08	-1.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-08**	**-2.30E-08**	**-1.60E-08**	**-1.60E-08**	**-1.40E-08**	**-5.30E-09**	**-1.50E-08**	**2.70E-09**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

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)	-5.90E-08	-4.30E-08	-2.44E-08	1.82E-08	1.82E-08	-9.36E-09	-1.08E-08	-1.91E-08
URI (ΔCDF)	-1.05E-07	-1.02E-07	-1.02E-07	-1.02E-07	-1.02E-07	-3.74E-08	-3.74E-08	-3.74E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.40E-07**	**-1.30E-07**	**-8.40E-08**	**-8.40E-08**	**-4.70E-08**	**-4.80E-08**	**-5.60E-08**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

4Q/10: Changed PRA Parameter(s). A periodic revision to the PRA model resulted in revised values for FVURC and URPC.

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)	-3.96E-08	-3.96E-08	-3.96E-08	-3.96E-08	-3.96E-08	-1.54E-08	-1.57E-08	-1.57E-08
URI (ΔCDF)	-9.97E-10	-9.97E-10	1.94E-10	1.94E-10	1.94E-10	1.06E-10	1.06E-10	1.06E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.10E-08**	**-4.10E-08**	**-3.90E-08**	**-3.90E-08**	**-3.90E-08**	**-1.50E-08**	**-1.60E-08**	**-1.60E-08**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

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	0.000006	0.000006	0.000005	0.000009	0.000010	0.000009	0.000008	0.000009	0.000004	0.000009	0.000004	0.000004
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	0.000009	0.000008	0.000008	0.000004	0.000003	0.000003	0.000007	0.000003	0.000004	0.000004	0.000009	0.000004
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	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum leakage	1.830	1.810	1.780	1.655	1.867	1.745	1.704	1.718	1.727	1.858	1.793	1.789
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.3**	**7.2**	**7.1**	**6.6**	**7.5**	**7.0**	**6.8**	**6.9**	**6.9**	**7.4**	**7.2**	**7.2**
Reactor Coolant System Leakage	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum leakage	1.798	1.801	1.795	1.884	1.871	1.749	1.841	1.712	2.318	2.801	3.211	3.287
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.2**	**7.2**	**7.2**	**7.5**	**7.5**	**7.0**	**7.4**	**6.8**	**9.3**	**11.2**	**12.8**	**13.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful opportunities	44.0	37.0	39.0	62.0	10.0	65.0	44.0	50.0
Total opportunities	46.0	37.0	39.0	62.0	10.0	65.0	44.0	50.0
Indicator value	**97.8%**	**97.9%**	**98.6%**	**98.8%**	**99.1%**	**99.1%**	**99.1%**	**99.4%**

Licensee Comments:

3Q/10: Revised to reduce the number of opportunities following internal review of the data.

2Q/10: DEP Opportunities that were originally credited in April were changed to be credited in May as a correction. Additional change to reduce the number of opportunities following internal review of the data.

2Q/10: DEP Opportunities that were originally credited in April were changed to be credited in May as a correction.

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	66.0	69.0	70.0	75.0	75.0	73.0	72.0	75.0
Total Key personnel	66.0	69.0	70.0	75.0	75.0	73.0	72.0	75.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments:

3Q/10: Revised to correct data errors found during an internal review of data.

2Q/10: Revised to correct data errors found during an internal review of data.

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	2675	2723	2728	2686	2686	2685	2687	2727
Total sirens-tests	2688	2730	2730	2688	2688	2688	2688	2730
Indicator value	**99.8%**	**99.8%**	**99.8%**	**99.8%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: April 24, 2012

Quad Cities 2

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	1.0	0	0	0	0	0	0	1.0
Critical hours	2145.0	2209.0	2159.0	2184.0	2208.0	2209.0	1872.8	1780.2
Indicator value	**0.9**	**0.9**	**0.8**	**0.8**	**0**	**0**	**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	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2145.0	2209.0	2159.0	2184.0	2208.0	2209.0	1872.8	1780.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

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

Licensee Comments:

3Q/11: Quad Cities LER 254/2011-003-00, Control Room Emergency Ventilation Air Conditioning System Inoperable (Unit 2).

1Q/11: Quad Cities LER 265/2011-001-00, Loss of Unit 2 Essential Service 480V Bus

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)	1.88E-07	1.66E-07	1.17E-07	1.57E-07	2.99E-08	1.92E-08	8.97E-09	1.44E-08
URI (ΔCDF)	1.24E-07	1.25E-07	8.02E-08	7.84E-08	-1.48E-09	-4.95E-08	-4.94E-08	7.17E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.10E-07**	**2.90E-07**	**2.00E-07**	**2.40E-07**	**2.80E-08**	**-3.00E-08**	**-4.00E-08**	**2.20E-08**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

1Q/11: MSPI failure record 1065 was attributed to the both the diesel generator and the cooling water pump, in error. The diesel generator record was corrected to remove this failure, which drove a change to this indicator.

4Q/10: MSPI failure record 1065 was attributed to the both the diesel generator and the cooling water pump, in error. The diesel generator record was corrected to remove this failure, which drove a change to this indicator.

3Q/10: MSPI failure record 1065 was attributed to the both the diesel generator and the cooling water pump, in error. The diesel generator record was corrected to remove this failure, which drove a change to this indicator.

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)	-4.85E-09	-4.28E-09	-1.80E-09	5.87E-09	2.14E-09	2.31E-09	5.46E-09	5.58E-09
URI (ΔCDF)	-4.17E-08	-4.17E-08	-3.89E-08	-3.89E-08	-1.56E-08	-1.56E-08	-1.56E-08	-1.68E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.70E-08**	**-4.60E-08**	**-4.10E-08**	**-3.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.00E-08**	**-1.10E-08**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

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)	8.41E-09	1.57E-08	1.31E-08	1.38E-08	6.24E-09	-2.57E-09	1.52E-08	1.55E-08
URI (ΔCDF)	-3.14E-08	-3.14E-08	-2.89E-08	-2.76E-08	-1.15E-08	-1.26E-08	-1.26E-08	-1.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-08**	**-1.60E-08**	**-1.60E-08**	**-1.40E-08**	**-5.30E-09**	**-1.50E-08**	**2.70E-09**	**1.50E-09**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	-4.30E-08	-2.44E-08	1.82E-08	1.82E-08	-9.36E-09	-1.08E-08	-1.91E-08	-1.94E-08
URI (ΔCDF)	-1.02E-07	-1.02E-07	-1.02E-07	-1.02E-07	-3.74E-08	-3.74E-08	-3.74E-08	-3.74E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.30E-07**	**-8.40E-08**	**-8.40E-08**	**-4.70E-08**	**-4.80E-08**	**-5.60E-08**	**-5.70E-08**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

4Q/10: Changed PRA Parameter(s). A periodic revision to the PRA model resulted in revised values for FVURC and URPC.

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)	-3.96E-08	-3.96E-08	-3.96E-08	-3.96E-08	-1.54E-08	-1.57E-08	-1.57E-08	-1.57E-08
URI (ΔCDF)	-9.97E-10	1.94E-10	1.94E-10	1.94E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.10E-08**	**-3.90E-08**	**-3.90E-08**	**-3.90E-08**	**-1.50E-08**	**-1.60E-08**	**-1.60E-08**	**-1.60E-08**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

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	0.000009	0.000010	0.000009	0.000008	0.000009	0.000004	0.000009	0.000004	0.000004	0.000009	0.000008	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	**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	0.000004	0.000003	0.000003	0.000007	0.000003	0.000004	0.000004	0.000009	0.000004	0.000002	0.000003	0.000003
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	1.655	1.867	1.745	1.704	1.718	1.727	1.858	1.793	1.789	1.798	1.801	1.795
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**7.5**	**7.0**	**6.8**	**6.9**	**6.9**	**7.4**	**7.2**	**7.2**	**7.2**	**7.2**	**7.2**
Reactor Coolant System Leakage	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**
Maximum leakage	1.884	1.871	1.749	1.841	1.712	2.318	2.801	3.211	3.287	1.501	1.460	1.452
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.5**	**7.5**	**7.0**	**7.4**	**6.8**	**9.3**	**11.2**	**12.8**	**13.1**	**6.0**	**5.8**	**5.8**

Licensee Comments: none

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	37.0	39.0	62.0	10.0	65.0	44.0	50.0	53.0
Total opportunities	37.0	39.0	62.0	10.0	65.0	44.0	50.0	55.0
Indicator value	**97.9%**	**98.6%**	**98.8%**	**99.1%**	**99.1%**	**99.1%**	**99.4%**	**99.4%**

Licensee Comments:

3Q/10: Revised to reduce the number of opportunities following internal review of the data.

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	69.0	70.0	75.0	75.0	73.0	72.0	75.0	78.0
Total Key personnel	69.0	70.0	75.0	75.0	73.0	72.0	75.0	78.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments:

3Q/10: Revised to correct data errors found during an internal review of data.

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	2723	2728	2686	2686	2685	2687	2727	2686
Total sirens-tests	2730	2730	2688	2688	2688	2688	2730	2688
Indicator value	**99.8%**	**99.8%**	**99.8%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Quad Cities 2

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	1.0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	2209.0	1872.8	1780.2	2208.0
Indicator value	**0.9**	**0.8**	**0.8**	**0**	**0**	**0**	**0.9**	**0.9**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2209.0	2159.0	2184.0	2208.0	2209.0	1872.8	1780.2	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

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	0	1	0	1	0	1	1	0
Indicator value	**0**	**1**	**1**	**2**	**2**	**2**	**3**	**2**

Licensee Comments:

2Q/12: As part of this 3rd quarter submittal, a change package is being generated for 2nd quarter 2012 to include previously omitted comments pertaining to SSFF. This change is administrative in nature and does not change the color of the indicator. LER 265/2012-003-00, Unit 2 Auto Reactor Scram Due to DEHC System Failure (6-14-12), (SSFF also applies to Unit 1).

1Q/12: As part of this 3rd quarter submittal, a change package is being generated for 1st quarter 2012 to include previously omitted comments pertaining to SSFF. This change is administrative in nature and does not change the color of the indicator. Quad Cities LER 254/2012-001-00, Control Room Emergency Ventilation Air Conditioning System Inoperable (Breaker Trip), (Unit 1 LER, common to both units).

3Q/11: Quad Cities LER 254/2011-003-00, Control Room Emergency Ventilation Air Conditioning System Inoperable (Unit 2).

1Q/11: Quad Cities LER 265/2011-001-00, Loss of Unit 2 Essential Service 480V Bus

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)	1.66E-07	1.17E-07	1.57E-07	2.99E-08	1.92E-08	8.97E-09	1.44E-08	1.20E-08
URI (ΔCDF)	1.25E-07	8.02E-08	7.84E-08	-1.48E-09	-4.95E-08	-4.94E-08	7.17E-09	7.54E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.90E-07**	**2.00E-07**	**2.40E-07**	**2.80E-08**	**-3.00E-08**	**-4.00E-08**	**2.20E-08**	**2.00E-08**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

1Q/11: MSPI failure record 1065 was attributed to the both the diesel generator and the cooling water pump, in error. The diesel generator record was corrected to remove this failure, which drove a change to this indicator.

4Q/10: MSPI failure record 1065 was attributed to the both the diesel generator and the cooling water pump, in error. The diesel generator record was corrected to remove this failure, which drove a change to this indicator.

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)	-4.28E-09	-1.80E-09	5.87E-09	2.14E-09	2.31E-09	5.46E-09	5.58E-09	6.75E-09
URI (ΔCDF)	-4.17E-08	-3.89E-08	-3.89E-08	-1.56E-08	-1.56E-08	-1.56E-08	-1.68E-08	-1.61E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.60E-08**	**-4.10E-08**	**-3.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.00E-08**	**-1.10E-08**	**-9.30E-09**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

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)	1.57E-08	1.31E-08	1.38E-08	6.24E-09	-2.57E-09	1.52E-08	1.55E-08	1.54E-08
URI (ΔCDF)	-3.14E-08	-2.89E-08	-2.76E-08	-1.15E-08	-1.26E-08	-1.26E-08	-1.40E-08	-1.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-08**	**-1.60E-08**	**-1.40E-08**	**-5.30E-09**	**-1.50E-08**	**2.70E-09**	**1.50E-09**	**1.40E-09**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

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)	-2.44E-08	1.82E-08	1.82E-08	-9.36E-09	-1.08E-08	-1.91E-08	-1.94E-08	-2.38E-08
URI (ΔCDF)	-1.02E-07	-1.02E-07	-1.02E-07	-3.74E-08	-3.74E-08	-3.74E-08	-3.74E-08	-3.74E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-07**	**-8.40E-08**	**-8.40E-08**	**-4.70E-08**	**-4.80E-08**	**-5.60E-08**	**-5.70E-08**	**-6.10E-08**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

4Q/10: Changed PRA Parameter(s). A periodic revision to the PRA model resulted in revised values for FVURC and URPC.

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)	-3.96E-08	-3.96E-08	-3.96E-08	-1.54E-08	-1.57E-08	-1.57E-08	-1.57E-08	2.51E-09
URI (ΔCDF)	1.94E-10	1.94E-10	1.94E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.90E-08**	**-3.90E-08**	**-3.90E-08**	**-1.50E-08**	**-1.60E-08**	**-1.60E-08**	**-1.60E-08**	**2.60E-09**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

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	0.000008	0.000009	0.000004	0.000009	0.000004	0.000004	0.000009	0.000008	0.000008	0.000004	0.000003	0.000003
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	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**
Maximum activity	0.000007	0.000003	0.000004	0.000004	0.000009	0.000004	0.000002	0.000003	0.000003	0.000007	0.000011	0.000004
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	1.704	1.718	1.727	1.858	1.793	1.789	1.798	1.801	1.795	1.884	1.871	1.749
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.8**	**6.9**	**6.9**	**7.4**	**7.2**	**7.2**	**7.2**	**7.2**	**7.2**	**7.5**	**7.5**	**7.0**
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	1.841	1.712	2.318	2.801	3.211	3.287	1.501	1.460	1.452	1.444	1.440	1.473
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.4**	**6.8**	**9.3**	**11.2**	**12.8**	**13.1**	**6.0**	**5.8**	**5.8**	**5.8**	**5.8**	**5.9**

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	39.0	62.0	10.0	65.0	44.0	50.0	53.0	24.0
Total opportunities	39.0	62.0	10.0	65.0	44.0	50.0	55.0	25.0
Indicator value	**98.6%**	**98.8%**	**99.1%**	**99.1%**	**99.1%**	**99.4%**	**99.4%**	**99.1%**

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	70.0	75.0	75.0	73.0	72.0	75.0	78.0	74.0
Total Key personnel	70.0	75.0	75.0	73.0	72.0	75.0	78.0	74.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful siren-tests	2728	2686	2686	2685	2687	2727	2686	2640
Total sirens-tests	2730	2688	2688	2688	2688	2730	2688	2646
Indicator value	**99.8%**	**99.8%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

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

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

Last Modified: October 24, 2012

Quad Cities 2

4Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	1872.8	1780.2	2208.0	2209.0
Indicator value	**0.8**	**0.8**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	1872.8	1780.2	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**

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	1	0	1	0	1	1	0	2
Indicator value	**1**	**1**	**2**	**2**	**2**	**3**	**2**	**4**

Licensee Comments:

4Q/12: LER 254/2012-004-00, Breach in Secondary Containment (11-5-12), (SSFF applies to both Units 1 and 2). LER 265/2012-004-00, Drywell Radiation Monitor Failed Downscale (11-20-12).

2Q/12: As part of this 3rd quarter submittal, a change package is being generated for 2nd quarter 2012 to include previously omitted comments pertaining to SSFF. This change is administrative in nature and does not change the color of the indicator. LER 265/2012-003-00, Unit 2 Auto Reactor Scram Due to DEHC System Failure (6-14-12), (SSFF also applies to Unit 1).

1Q/12: As part of this 3rd quarter submittal, a change package is being generated for 1st quarter 2012 to include previously omitted comments pertaining to SSFF. This change is administrative in nature and does not change the color of the indicator. Quad Cities LER 254/2012-001-00, Control Room Emergency Ventilation Air Conditioning System Inoperable (Breaker Trip), (Unit 1 LER, common to both units).

3Q/11: Quad Cities LER 254/2011-003-00, Control Room Emergency Ventilation Air Conditioning System Inoperable (Unit 2).

1Q/11: Quad Cities LER 265/2011-001-00, Loss of Unit 2 Essential Service 480V Bus

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)	1.17E-07	1.57E-07	2.99E-08	1.92E-08	8.97E-09	1.44E-08	1.20E-08	2.07E-08
URI (ΔCDF)	8.02E-08	7.84E-08	-1.48E-09	-4.95E-08	-4.94E-08	7.17E-09	7.54E-09	8.80E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.00E-07**	**2.40E-07**	**2.80E-08**	**-3.00E-08**	**-4.00E-08**	**2.20E-08**	**2.00E-08**	**3.00E-08**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

1Q/11: MSPI failure record 1065 was attributed to the both the diesel generator and the cooling water pump, in error. The diesel generator record was corrected to remove this failure, which drove a change to this indicator.

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)	-1.80E-09	5.87E-09	2.14E-09	2.31E-09	5.46E-09	5.58E-09	6.75E-09	6.91E-09
URI (ΔCDF)	-3.89E-08	-3.89E-08	-1.56E-08	-1.56E-08	-1.56E-08	-1.68E-08	-1.61E-08	-1.61E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.10E-08**	**-3.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.00E-08**	**-1.10E-08**	**-9.30E-09**	**-9.10E-09**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

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)	1.31E-08	1.38E-08	6.24E-09	-2.57E-09	1.52E-08	1.55E-08	1.54E-08	1.55E-08
URI (ΔCDF)	-2.89E-08	-2.76E-08	-1.15E-08	-1.26E-08	-1.26E-08	-1.40E-08	-1.40E-08	-1.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-08**	**-1.40E-08**	**-5.30E-09**	**-1.50E-08**	**2.70E-09**	**1.50E-09**	**1.40E-09**	**1.00E-09**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

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)	1.82E-08	1.82E-08	-9.36E-09	-1.08E-08	-1.91E-08	-1.94E-08	-2.38E-08	-2.38E-08
URI (ΔCDF)	-1.02E-07	-1.02E-07	-3.74E-08	-3.74E-08	-3.74E-08	-3.74E-08	-3.74E-08	-3.74E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.40E-08**	**-8.40E-08**	**-4.70E-08**	**-4.80E-08**	**-5.60E-08**	**-5.70E-08**	**-6.10E-08**	**-6.10E-08**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

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)	-3.96E-08	-3.96E-08	-1.54E-08	-1.57E-08	-1.57E-08	-1.57E-08	2.51E-09	2.28E-09
URI (ΔCDF)	1.94E-10	1.94E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.90E-08**	**-3.90E-08**	**-1.50E-08**	**-1.60E-08**	**-1.60E-08**	**-1.60E-08**	**2.60E-09**	**2.40E-09**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

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	0.000009	0.000004	0.000004	0.000009	0.000008	0.000008	0.000004	0.000003	0.000003	0.000007	0.000003	0.000004
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	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**
Maximum activity	0.000004	0.000009	0.000004	0.000002	0.000003	0.000003	0.000007	0.000011	0.000004	0.000010	0.000003	0.000003
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	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**
Maximum leakage	1.858	1.793	1.789	1.798	1.801	1.795	1.884	1.871	1.749	1.841	1.712	2.318
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.4**	**7.2**	**7.2**	**7.2**	**7.2**	**7.2**	**7.5**	**7.5**	**7.0**	**7.4**	**6.8**	**9.3**
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	2.801	3.211	3.287	1.501	1.460	1.452	1.444	1.440	1.473	1.450	1.507	1.477
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**11.2**	**12.8**	**13.1**	**6.0**	**5.8**	**5.8**	**5.8**	**5.8**	**5.9**	**5.8**	**6.0**	**5.9**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful opportunities	62.0	10.0	65.0	44.0	50.0	53.0	31.0	37.0
Total opportunities	62.0	10.0	65.0	44.0	50.0	55.0	32.0	39.0
Indicator value	**98.8%**	**99.1%**	**99.1%**	**99.1%**	**99.4%**	**99.4%**	**99.2%**	**98.6%**

Licensee Comments:

3Q/12: A change package is being submitted for 3rd quarter 2012 to update the September data for Successful drill, exer & event opportunities & Total drill, exer & event opportunities from 7 to 14. This does not affect the color of any indicator.

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	75.0	75.0	73.0	72.0	75.0	78.0	74.0	75.0
Total Key personnel	75.0	75.0	73.0	72.0	75.0	78.0	74.0	75.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful siren-tests	2686	2686	2685	2687	2727	2686	2640	2688
Total sirens-tests	2688	2688	2688	2688	2730	2688	2646	2688
Indicator value	**99.8%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**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	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Quad Cities 2

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	1.0	0	0	0
Critical hours	2184.0	2208.0	2209.0	1872.8	1780.2	2208.0	2209.0	2133.9
Indicator value	**0.8**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.8**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2184.0	2208.0	2209.0	1872.8	1780.2	2208.0	2209.0	2133.9
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.8**

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	0	1	0	1	1	0	2	0
Indicator value	**1**	**2**	**2**	**2**	**3**	**2**	**4**	**3**

Licensee Comments:

4Q/12: LER 254/2012-004-00, Breach in Secondary Containment (11-5-12), (SSFF applies to both Units 1 and 2). LER 265/2012-004-00, Drywell Radiation Monitor Failed Downscale (11-20-12).

2Q/12: As part of this 3rd quarter submittal, a change package is being generated for 2nd quarter 2012 to include previously omitted comments pertaining to SSFF. This change is administrative in nature and does not change the color of the indicator. LER 265/2012-003-00, Unit 2 Auto Reactor Scram Due to DEHC System Failure (6-14-12), (SSFF also applies to Unit 1).

1Q/12: As part of this 3rd quarter submittal, a change package is being generated for 1st quarter 2012 to include previously omitted comments pertaining to SSFF. This change is administrative in nature and does not change the color of the indicator. Quad Cities LER 254/2012-001-00, Control Room Emergency Ventilation Air Conditioning System Inoperable (Breaker Trip), (Unit 1 LER, common to both units).

3Q/11: Quad Cities LER 254/2011-003-00, Control Room Emergency Ventilation Air Conditioning System Inoperable (Unit 2).

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)	1.57E-07	2.99E-08	1.92E-08	8.97E-09	1.44E-08	1.20E-08	2.07E-08	1.15E-08
URI (ΔCDF)	7.84E-08	-1.48E-09	-4.95E-08	-4.94E-08	7.17E-09	7.54E-09	8.80E-09	7.60E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.40E-07**	**2.80E-08**	**-3.00E-08**	**-4.00E-08**	**2.20E-08**	**2.00E-08**	**3.00E-08**	**1.90E-08**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

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)	5.87E-09	2.14E-09	2.31E-09	5.46E-09	5.58E-09	6.75E-09	6.91E-09	9.05E-09
URI (ΔCDF)	-3.89E-08	-1.56E-08	-1.56E-08	-1.56E-08	-1.68E-08	-1.61E-08	-1.61E-08	-1.55E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.00E-08**	**-1.10E-08**	**-9.30E-09**	**-9.10E-09**	**-6.40E-09**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	1.38E-08	6.24E-09	-2.57E-09	1.52E-08	1.55E-08	1.54E-08	1.55E-08	1.59E-08
URI (ΔCDF)	-2.76E-08	-1.15E-08	-1.26E-08	-1.26E-08	-1.40E-08	-1.40E-08	-1.45E-08	-1.49E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-08**	**-5.30E-09**	**-1.50E-08**	**2.70E-09**	**1.50E-09**	**1.40E-09**	**1.00E-09**	**9.60E-10**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

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)	1.82E-08	-9.36E-09	-1.08E-08	-1.91E-08	-1.94E-08	-2.38E-08	-2.38E-08	-2.38E-08
URI (ΔCDF)	-1.02E-07	-3.74E-08	-3.74E-08	-3.74E-08	-3.74E-08	-3.74E-08	-3.74E-08	-3.99E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.40E-08**	**-4.70E-08**	**-4.80E-08**	**-5.60E-08**	**-5.70E-08**	**-6.10E-08**	**-6.10E-08**	**-6.40E-08**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

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)	-3.96E-08	-1.54E-08	-1.57E-08	-1.57E-08	-1.57E-08	2.51E-09	2.28E-09	9.16E-10
URI (ΔCDF)	1.94E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.90E-08**	**-1.50E-08**	**-1.60E-08**	**-1.60E-08**	**-1.60E-08**	**2.60E-09**	**2.40E-09**	**1.00E-09**

Licensee Comments:

2Q/11: Revised FVUAP, UAP, and CDF based on revision 5a of the MSPI Basis Document.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum activity	0.000009	0.000008	0.000008	0.000004	0.000003	0.000003	0.000007	0.000003	0.000004	0.000004	0.000009	0.000004
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	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**
Maximum activity	0.000002	0.000003	0.000003	0.000007	0.000011	0.000004	0.000010	0.000003	0.000003	0.000003	0.000004	0.000003
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	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum leakage	1.798	1.801	1.795	1.884	1.871	1.749	1.841	1.712	2.318	2.801	3.211	3.287
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.2**	**7.2**	**7.2**	**7.5**	**7.5**	**7.0**	**7.4**	**6.8**	**9.3**	**11.2**	**12.8**	**13.1**
Reactor Coolant System Leakage	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**
Maximum leakage	1.501	1.460	1.452	1.444	1.440	1.473	1.450	1.507	1.477	1.453	1.478	1.474
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**5.8**	**5.8**	**5.8**	**5.8**	**5.9**	**5.8**	**6.0**	**5.9**	**5.8**	**5.9**	**5.9**

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	10.0	65.0	44.0	50.0	53.0	31.0	37.0	15.0
Total opportunities	10.0	65.0	44.0	50.0	55.0	32.0	39.0	15.0
Indicator value	**99.1%**	**99.1%**	**99.1%**	**99.4%**	**99.4%**	**99.2%**	**98.6%**	**98.4%**

Licensee Comments:

3Q/12: A change package is being submitted for 3rd quarter 2012 to update the September data for Successful drill, exer & event opportunities & Total drill, exer & event opportunities from 7 to 14. This does not affect the color of any indicator.

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	75.0	73.0	72.0	75.0	78.0	74.0	75.0	69.0
Total Key personnel	75.0	73.0	72.0	75.0	78.0	74.0	75.0	69.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful siren-tests	2686	2685	2687	2727	2686	2640	2688	2685
Total sirens-tests	2688	2688	2688	2730	2688	2646	2688	2688
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

Last Modified: April 23, 2013

Quad Cities 2

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	1.0	0	0	0	0
Critical hours	2208.0	2209.0	1872.8	1780.2	2208.0	2209.0	2133.9	2184.0
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2208.0	2209.0	1872.8	1780.2	2208.0	2209.0	2133.9	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.8**	**0.8**

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

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	0	1	1	0	2	0	0
Indicator value	**2**	**2**	**2**	**3**	**2**	**4**	**3**	**2**

Licensee Comments:

4Q/12: LER 254/2012-004-00, Breach in Secondary Containment (11-5-12), (SSFF applies to both Units 1 and 2). LER 265/2012-004-00, Drywell Radiation Monitor Failed Downscale (11-20-12).

2Q/12: As part of this 3rd quarter submittal, a change package is being generated for 2nd quarter 2012 to include previously omitted comments pertaining to SSFF. This change is administrative in nature and does not change the color of the indicator. LER 265/2012-003-00, Unit 2 Auto Reactor Scram Due to DEHC System Failure (6-14-12), (SSFF also applies to Unit 1).

1Q/12: As part of this 3rd quarter submittal, a change package is being generated for 1st quarter 2012 to include previously omitted comments pertaining to SSFF. This change is administrative in nature and does not change the color of the indicator. Quad Cities LER 254/2012-001-00, Control Room Emergency Ventilation Air Conditioning System Inoperable (Breaker Trip), (Unit 1 LER, common to both units).

3Q/11: Quad Cities LER 254/2011-003-00, Control Room Emergency Ventilation Air Conditioning System Inoperable (Unit 2).

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**
UAI (ΔCDF)	2.99E-08	1.92E-08	8.97E-09	1.44E-08	1.20E-08	2.07E-08	1.15E-08	9.10E-09
URI (ΔCDF)	-1.48E-09	-4.95E-08	-4.94E-08	7.17E-09	7.54E-09	8.80E-09	7.60E-09	1.08E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.80E-08**	**-3.00E-08**	**-4.00E-08**	**2.20E-08**	**2.00E-08**	**3.00E-08**	**1.90E-08**	**2.00E-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	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**
UAI (ΔCDF)	2.14E-09	2.31E-09	5.46E-09	5.58E-09	6.75E-09	6.91E-09	9.05E-09	1.32E-08
URI (ΔCDF)	-1.56E-08	-1.56E-08	-1.56E-08	-1.68E-08	-1.61E-08	-1.61E-08	-1.55E-08	-1.43E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-1.30E-08**	**-1.00E-08**	**-1.10E-08**	**-9.30E-09**	**-9.10E-09**	**-6.40E-09**	**-1.10E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**
UAI (ΔCDF)	6.24E-09	-2.57E-09	1.52E-08	1.55E-08	1.54E-08	1.55E-08	1.59E-08	1.53E-08
URI (ΔCDF)	-1.15E-08	-1.26E-08	-1.26E-08	-1.40E-08	-1.40E-08	-1.45E-08	-1.49E-08	-1.36E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-09**	**-1.50E-08**	**2.70E-09**	**1.50E-09**	**1.40E-09**	**1.00E-09**	**9.60E-10**	**1.80E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**
UAI (ΔCDF)	-9.36E-09	-1.08E-08	-1.91E-08	-1.94E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08
URI (ΔCDF)	-3.74E-08	-3.74E-08	-3.74E-08	-3.74E-08	-3.74E-08	-3.74E-08	-3.99E-08	-3.99E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.70E-08**	**-4.80E-08**	**-5.60E-08**	**-5.70E-08**	**-6.10E-08**	**-6.10E-08**	**-6.40E-08**	**-6.40E-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/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (ΔCDF)	-1.54E-08	-1.57E-08	-1.57E-08	-1.57E-08	2.51E-09	2.28E-09	1.16E-08	1.07E-08
URI (ΔCDF)	1.06E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-08**	**-1.60E-08**	**-1.60E-08**	**-1.60E-08**	**2.60E-09**	**2.40E-09**	**1.20E-08**	**1.10E-08**

Licensee Comments:

1Q/13: January Unavailability Hours were added for 2A RHRSW. This caused a changed in MSPI Colling Water System PI's for first quarter 2013. This did not result in a change in 'color' for the indicator.

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	0.000004	0.000003	0.000003	0.000007	0.000003	0.000004	0.000004	0.000009	0.000004	0.000002	0.000003	0.000003
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	0.000007	0.000011	0.000004	0.000010	0.000003	0.000003	0.000003	0.000004	0.000003	0.000004	0.000004	0.000005
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	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12
Maximum leakage	1.884	1.871	1.749	1.841	1.712	2.318	2.801	3.211	3.287	1.501	1.460	1.452
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.5**	**7.5**	**7.0**	**7.4**	**6.8**	**9.3**	**11.2**	**12.8**	**13.1**	**6.0**	**5.8**	**5.8**
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	1.444	1.440	1.473	1.450	1.507	1.477	1.453	1.478	1.474	1.495	1.503	1.496
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.8**	**5.8**	**5.9**	**5.8**	**6.0**	**5.9**	**5.8**	**5.9**	**5.9**	**6.0**	**6.0**	**6.0**

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	65.0	44.0	50.0	53.0	31.0	37.0	15.0	47.0
Total opportunities	65.0	44.0	50.0	55.0	32.0	39.0	15.0	47.0
Indicator value	**99.1%**	**99.1%**	**99.4%**	**99.4%**	**99.2%**	**98.6%**	**98.4%**	**98.6%**

Licensee Comments:

3Q/12: A change package is being submitted for 3rd quarter 2012 to update the September data for Successful drill, exer & event opportunities & Total drill, exer & event opportunities from 7 to 14. This does not affect the color of any indicator.

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	73.0	72.0	75.0	78.0	74.0	75.0	69.0	70.0
Total Key personnel	73.0	72.0	75.0	78.0	74.0	75.0	69.0	70.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful siren-tests	2685	2687	2727	2686	2640	2688	2685	2684
Total sirens-tests	2688	2688	2730	2688	2646	2688	2688	2688
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

Last Modified: August 19, 2013

Quad Cities 2

3Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2209.0	1872.8	1780.2	2208.0	2209.0	2133.9	2184.0	2208.0
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned power changes	0	0	0	1.0	0	0	0	1.0
Critical hours	2209.0	1872.8	1780.2	2208.0	2209.0	2133.9	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.8**	**0.8**	**0.8**

Licensee Comments:

3Q/13: An FAQ was submitted for a 6/5/13 event involving a power change on Unit 2 due to an animal intrusion event in the Quad Cities Switchyard.

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	0	1	1	0	2	0	0	0
Indicator value	**2**	**2**	**3**	**2**	**4**	**3**	**2**	**2**

Licensee Comments:

4Q/12: LER 254/2012-004-00, Breach in Secondary Containment (11-5-12), (SSFF applies to both Units 1 and 2). LER 265/2012-004-00, Drywell Radiation Monitor Failed Downscale (11-20-12).

2Q/12: As part of this 3rd quarter submittal, a change package is being generated for 2nd quarter 2012 to include previously omitted comments pertaining to SSFF. This change is administrative in nature and does not change the color of the indicator. LER 265/2012-003-00, Unit 2 Auto Reactor Scram Due to DEHC System Failure (6-14-12), (SSFF also applies to Unit 1).

1Q/12: As part of this 3rd quarter submittal, a change package is being generated for 1st quarter 2012 to include previously omitted comments pertaining to SSFF. This change is administrative in nature and does not change the color of the indicator. Quad Cities LER 254/2012-001-00, Control Room Emergency Ventilation Air Conditioning System Inoperable (Breaker Trip), (Unit 1 LER, common to both units).

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)	1.92E-08	8.97E-09	1.44E-08	1.20E-08	2.07E-08	1.15E-08	9.10E-09	9.82E-09
URI (ΔCDF)	-4.95E-08	-4.94E-08	7.17E-09	7.54E-09	8.80E-09	7.60E-09	1.08E-08	-1.49E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.00E-08**	**-4.00E-08**	**2.20E-08**	**2.00E-08**	**3.00E-08**	**1.90E-08**	**2.00E-08**	**-5.10E-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/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	2.31E-09	5.46E-09	5.58E-09	6.75E-09	6.91E-09	9.05E-09	1.32E-08	1.43E-08
URI (ΔCDF)	-1.56E-08	-1.56E-08	-1.68E-08	-1.61E-08	-1.61E-08	-1.55E-08	-1.43E-08	-1.43E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-1.00E-08**	**-1.10E-08**	**-9.30E-09**	**-9.10E-09**	**-6.40E-09**	**-1.10E-09**	**-3.40E-11**

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)	-2.57E-09	1.52E-08	1.55E-08	1.54E-08	1.55E-08	1.59E-08	1.53E-08	1.62E-08
URI (ΔCDF)	-1.26E-08	-1.26E-08	-1.40E-08	-1.40E-08	-1.45E-08	-1.49E-08	-1.36E-08	-1.36E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-08**	**2.70E-09**	**1.50E-09**	**1.40E-09**	**1.00E-09**	**9.60E-10**	**1.80E-09**	**2.70E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	-1.08E-08	-1.91E-08	-1.94E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-1.85E-08
URI (ΔCDF)	-3.74E-08	-3.74E-08	-3.74E-08	-3.74E-08	-3.74E-08	-3.99E-08	-3.99E-08	2.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.80E-08**	**-5.60E-08**	**-5.70E-08**	**-6.10E-08**	**-6.10E-08**	**-6.40E-08**	**-6.40E-08**	**4.40E-09**

Licensee Comments: none

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (ΔCDF)	-1.57E-08	-1.57E-08	-1.57E-08	2.51E-09	2.28E-09	1.16E-08	1.07E-08	-3.05E-09
URI (ΔCDF)	1.06E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-08**	**-1.60E-08**	**-1.60E-08**	**2.60E-09**	**2.40E-09**	**1.20E-08**	**1.10E-08**	**-2.90E-09**

Licensee Comments:

1Q/13: January Unavailability Hours were added for 2A RHRSW. This caused a changed in MSPI Colling Water System PI's for first quarter 2013. This did not result in a change in 'color' for the indicator.

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**
Maximum activity	0.000007	0.000003	0.000004	0.000004	0.000009	0.000004	0.000002	0.000003	0.000003	0.000007	0.000011	0.000004
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	0.000010	0.000003	0.000003	0.000003	0.000004	0.000003	0.000004	0.000004	0.000005	0.000004	0.000008	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	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**
Maximum leakage	1.841	1.712	2.318	2.801	3.211	3.287	1.501	1.460	1.452	1.444	1.440	1.473
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.4**	**6.8**	**9.3**	**11.2**	**12.8**	**13.1**	**6.0**	**5.8**	**5.8**	**5.8**	**5.8**	**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	1.450	1.507	1.477	1.453	1.478	1.474	1.495	1.503	1.496	1.615	1.480	1.488
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.8**	**6.0**	**5.9**	**5.8**	**5.9**	**5.9**	**6.0**	**6.0**	**6.0**	**6.5**	**5.9**	**6.0**

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	44.0	50.0	53.0	31.0	37.0	15.0	47.0	31.0
Total opportunities	44.0	50.0	55.0	32.0	39.0	15.0	47.0	33.0
Indicator value	**99.1%**	**99.4%**	**99.4%**	**99.2%**	**98.6%**	**98.4%**	**98.6%**	**97.8%**

Licensee Comments:

3Q/12: A change package is being submitted for 3rd quarter 2012 to update the September data for Successful drill, exer & event opportunities & Total drill, exer & event opportunities from 7 to 14. This does not affect the color of any indicator.

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	72.0	75.0	78.0	74.0	75.0	69.0	70.0	71.0
Total Key personnel	72.0	75.0	78.0	74.0	75.0	69.0	70.0	71.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful siren-tests	2687	2727	2686	2640	2688	2685	2684	2686
Total sirens-tests	2688	2730	2688	2646	2688	2688	2688	2688
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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

Last Modified: October 22, 2013

Quad Cities 2

4Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	1872.8	1780.2	2208.0	2209.0	2133.9	2184.0	2208.0	2209.0
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**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	0	0	1.0	0	0	0	1.0	0
Critical hours	1872.8	1780.2	2208.0	2209.0	2133.9	2184.0	2208.0	2209.0
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.8**	**0.8**	**0.8**	**0.8**

Licensee Comments:

3Q/13: An FAQ was submitted for a 6/5/13 event involving a power change on Unit 2 due to an animal intrusion event in the Quad Cities Switchyard.

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	**2**	**3**	**2**	**4**	**3**	**2**	**2**	**0**

Licensee Comments:

4Q/12: LER 254/2012-004-00, Breach in Secondary Containment (11-5-12), (SSFF applies to both Units 1 and 2). LER 265/2012-004-00, Drywell Radiation Monitor Failed Downscale (11-20-12).

2Q/12: As part of this 3rd quarter submittal, a change package is being generated for 2nd quarter 2012 to include previously omitted comments pertaining to SSFF. This change is administrative in nature and does not change the color of the indicator. LER 265/2012-003-00, Unit 2 Auto Reactor Scram Due to DEHC System Failure (6-14-12), (SSFF also applies to Unit 1).

1Q/12: As part of this 3rd quarter submittal, a change package is being generated for 1st quarter 2012 to include previously omitted comments pertaining to SSFF. This change is administrative in nature and does not change the color of the indicator. Quad Cities LER 254/2012-001-00, Control Room Emergency Ventilation Air Conditioning System Inoperable (Breaker Trip), (Unit 1 LER, common to both units).

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)	8.97E-09	1.44E-08	1.20E-08	2.07E-08	1.15E-08	9.10E-09	9.82E-09	2.83E-08
URI (ΔCDF)	-4.94E-08	7.17E-09	7.54E-09	8.80E-09	7.60E-09	1.08E-08	-1.49E-08	-1.63E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.00E-08**	**2.20E-08**	**2.00E-08**	**3.00E-08**	**1.90E-08**	**2.00E-08**	**-5.10E-09**	**1.20E-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/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	5.46E-09	5.58E-09	6.75E-09	6.91E-09	9.05E-09	1.32E-08	1.43E-08	1.38E-08
URI (ΔCDF)	-1.56E-08	-1.68E-08	-1.61E-08	-1.61E-08	-1.55E-08	-1.43E-08	-1.43E-08	-1.43E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-08**	**-1.10E-08**	**-9.30E-09**	**-9.10E-09**	**-6.40E-09**	**-1.10E-09**	**-3.40E-11**	**-5.40E-10**

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)	1.52E-08	1.55E-08	1.54E-08	1.55E-08	1.59E-08	1.53E-08	1.62E-08	1.49E-08
URI (ΔCDF)	-1.26E-08	-1.40E-08	-1.40E-08	-1.45E-08	-1.49E-08	-1.36E-08	-1.36E-08	-1.36E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.70E-09**	**1.50E-09**	**1.40E-09**	**1.00E-09**	**9.60E-10**	**1.80E-09**	**2.70E-09**	**1.40E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	-1.91E-08	-1.94E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-1.85E-08	-1.85E-08
URI (ΔCDF)	-3.74E-08	-3.74E-08	-3.74E-08	-3.74E-08	-3.99E-08	-3.99E-08	2.29E-08	2.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.60E-08**	**-5.70E-08**	**-6.10E-08**	**-6.10E-08**	**-6.40E-08**	**-6.40E-08**	**4.40E-09**	**4.40E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	-1.57E-08	-1.57E-08	2.51E-09	2.28E-09	1.16E-08	1.07E-08	-3.05E-09	-3.05E-09
URI (ΔCDF)	1.06E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10	-5.47E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-08**	**-1.60E-08**	**2.60E-09**	**2.40E-09**	**1.20E-08**	**1.10E-08**	**-2.90E-09**	**-3.60E-09**

Licensee Comments:

1Q/13: January Unavailability Hours were added for 2A RHRSW. This caused a changed in MSPI Colling Water System PI's for first quarter 2013. This did not result in a change in 'color' for the indicator.

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	0.000004	0.000009	0.000004	0.000002	0.000003	0.000003	0.000007	0.000011	0.000004	0.000010	0.000003	0.000003
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	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**
Maximum activity	0.000003	0.000004	0.000003	0.000004	0.000004	0.000005	0.000004	0.000008	0.000009	0.000009	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**	**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	2.801	3.211	3.287	1.501	1.460	1.452	1.444	1.440	1.473	1.450	1.507	1.477
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**11.2**	**12.8**	**13.1**	**6.0**	**5.8**	**5.8**	**5.8**	**5.8**	**5.9**	**5.8**	**6.0**	**5.9**
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	1.453	1.478	1.474	1.495	1.503	1.496	1.615	1.480	1.488	1.488	1.510	1.456
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.8**	**5.9**	**5.9**	**6.0**	**6.0**	**6.0**	**6.5**	**5.9**	**6.0**	**6.0**	**6.0**	**5.8**

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	50.0	53.0	31.0	37.0	15.0	47.0	31.0	26.0
Total opportunities	50.0	55.0	32.0	39.0	15.0	47.0	33.0	26.0
Indicator value	**99.4%**	**99.4%**	**99.2%**	**98.6%**	**98.4%**	**98.6%**	**97.8%**	**97.6%**

Licensee Comments:

3Q/12: A change package is being submitted for 3rd quarter 2012 to update the September data for Successful drill, exer & event opportunities & Total drill, exer & event opportunities from 7 to 14. This does not affect the color of any indicator.

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	75.0	78.0	74.0	75.0	69.0	70.0	71.0	73.0
Total Key personnel	75.0	78.0	74.0	75.0	69.0	70.0	71.0	73.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful siren-tests	2727	2686	2640	2688	2685	2684	2686	2687
Total sirens-tests	2730	2688	2646	2688	2688	2688	2688	2688
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	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/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

Quad Cities 2

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	1.0	0	0	0	0	0	0	0
Critical hours	1780.2	2208.0	2209.0	2133.9	2184.0	2208.0	2209.0	2156.4
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**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	0	1.0	0	0	0	1.0	0	1.0
Critical hours	1780.2	2208.0	2209.0	2133.9	2184.0	2208.0	2209.0	2156.4
Indicator value	**0**	**0.9**	**0.9**	**0.8**	**0.8**	**0.8**	**0.8**	**1.6**

Licensee Comments:

3Q/13: An FAQ was submitted for a 6/5/13 event involving a power change on Unit 2 due to an animal intrusion event in the Quad Cities Switchyard.

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	**3**	**2**	**4**	**3**	**2**	**2**	**0**	**0**

Licensee Comments:

4Q/12: LER 254/2012-004-00, Breach in Secondary Containment (11-5-12), (SSFF applies to both Units 1 and 2). LER 265/2012-004-00, Drywell Radiation Monitor Failed Downscale (11-20-12).

2Q/12: As part of this 3rd quarter submittal, a change package is being generated for 2nd quarter 2012 to include previously omitted comments pertaining to SSFF. This change is administrative in nature and does not change the color of the indicator. LER 265/2012-003-00, Unit 2 Auto Reactor Scram Due to DEHC System Failure (6-14-12), (SSFF also applies to Unit 1).

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)	1.44E-08	1.20E-08	2.07E-08	1.15E-08	9.10E-09	9.82E-09	2.83E-08	2.61E-08
URI (ΔCDF)	7.17E-09	7.54E-09	8.80E-09	7.60E-09	1.08E-08	-1.49E-08	-1.63E-08	-1.21E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.20E-08**	**2.00E-08**	**3.00E-08**	**1.90E-08**	**2.00E-08**	**-5.10E-09**	**1.20E-08**	**1.40E-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)	5.58E-09	6.75E-09	6.91E-09	9.05E-09	1.32E-08	1.43E-08	1.38E-08	1.44E-08
URI (ΔCDF)	-1.68E-08	-1.61E-08	-1.61E-08	-1.55E-08	-1.43E-08	-1.43E-08	-1.43E-08	-1.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-08**	**-9.30E-09**	**-9.10E-09**	**-6.40E-09**	**-1.10E-09**	**-3.40E-11**	**-5.40E-10**	**7.10E-10**

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)	1.55E-08	1.54E-08	1.55E-08	1.59E-08	1.53E-08	1.62E-08	1.49E-08	1.51E-08
URI (ΔCDF)	-1.40E-08	-1.40E-08	-1.45E-08	-1.49E-08	-1.36E-08	-1.36E-08	-1.36E-08	-1.36E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.50E-09**	**1.40E-09**	**1.00E-09**	**9.60E-10**	**1.80E-09**	**2.70E-09**	**1.40E-09**	**1.50E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	-1.94E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-1.85E-08	-1.85E-08	-1.85E-08
URI (ΔCDF)	-3.74E-08	-3.74E-08	-3.74E-08	-3.99E-08	-3.99E-08	2.29E-08	2.29E-08	2.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.70E-08**	**-6.10E-08**	**-6.10E-08**	**-6.40E-08**	**-6.40E-08**	**4.40E-09**	**4.40E-09**	**4.40E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	-1.57E-08	2.51E-09	2.28E-09	1.16E-08	1.07E-08	-3.05E-09	-3.05E-09	-1.54E-08
URI (ΔCDF)	1.06E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10	-5.47E-10	-5.47E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-08**	**2.60E-09**	**2.40E-09**	**1.20E-08**	**1.10E-08**	**-2.90E-09**	**-3.60E-09**	**-1.60E-08**

Licensee Comments:

1Q/13: January Unavailability Hours were added for 2A RHRSW. This caused a changed in MSPI Colling Water System PI's for first quarter 2013. This did not result in a change in 'color' for the indicator.

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	0.000002	0.000003	0.000003	0.000007	0.000011	0.000004	0.000010	0.000003	0.000003	0.000003	0.000004	0.000003
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	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**
Maximum activity	0.000004	0.000004	0.000005	0.000004	0.000008	0.000009	0.000009	0.000006	0.000010	0.000006	0.000007	0.000006
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	1.501	1.460	1.452	1.444	1.440	1.473	1.450	1.507	1.477	1.453	1.478	1.474
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**5.8**	**5.8**	**5.8**	**5.8**	**5.9**	**5.8**	**6.0**	**5.9**	**5.8**	**5.9**	**5.9**
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	1.495	1.503	1.496	1.615	1.480	1.488	1.488	1.510	1.456	1.458	1.458	1.467
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**6.0**	**6.0**	**6.5**	**5.9**	**6.0**	**6.0**	**6.0**	**5.8**	**5.8**	**5.8**	**5.9**

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	53.0	31.0	37.0	15.0	47.0	31.0	26.0	15.0
Total opportunities	55.0	32.0	39.0	15.0	47.0	33.0	26.0	15.0
Indicator value	**99.4%**	**99.2%**	**98.6%**	**98.4%**	**98.6%**	**97.8%**	**97.6%**	**97.3%**

Licensee Comments:

3Q/12: A change package is being submitted for 3rd quarter 2012 to update the September data for Successful drill, exer & event opportunities & Total drill, exer & event opportunities from 7 to 14. This does not affect the color of any indicator.

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	78.0	74.0	75.0	69.0	70.0	71.0	73.0	73.0
Total Key personnel	78.0	74.0	75.0	69.0	70.0	71.0	73.0	73.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful siren-tests	2686	2640	2688	2685	2684	2686	2687	2641
Total sirens-tests	2688	2646	2688	2688	2688	2688	2688	2646
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

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

Quad Cities 2

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	1.0
Critical hours	2208.0	2209.0	2133.9	2184.0	2208.0	2209.0	2156.4	1346.8
Indicator value	**0.9**	**0.9**	**0.8**	**0**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned power changes	1.0	0	0	0	1.0	0	1.0	1.0
Critical hours	2208.0	2209.0	2133.9	2184.0	2208.0	2209.0	2156.4	1346.8
Indicator value	**0.9**	**0.9**	**0.8**	**0.8**	**0.8**	**0.8**	**1.6**	**2.7**

Licensee Comments:

3Q/13: An FAQ was submitted for a 6/5/13 event involving a power change on Unit 2 due to an animal intrusion event in the Quad Cities Switchyard.

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	1.0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.0**

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	0
Indicator value	**2**	**4**	**3**	**2**	**2**	**0**	**0**	**0**

Licensee Comments:

4Q/12: LER 254/2012-004-00, Breach in Secondary Containment (11-5-12), (SSFF applies to both Units 1 and 2). LER 265/2012-004-00, Drywell Radiation Monitor Failed Downscale (11-20-12).

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	1.20E-08	2.07E-08	1.15E-08	9.10E-09	9.82E-09	2.83E-08	2.61E-08	1.75E-08
URI (ΔCDF)	7.54E-09	8.80E-09	7.60E-09	1.08E-08	-1.49E-08	-1.63E-08	-1.21E-08	-1.41E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.00E-08**	**3.00E-08**	**1.90E-08**	**2.00E-08**	**-5.10E-09**	**1.20E-08**	**1.40E-08**	**3.40E-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/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	6.75E-09	6.91E-09	9.05E-09	1.32E-08	1.43E-08	1.38E-08	1.44E-08	1.20E-08
URI (ΔCDF)	-1.61E-08	-1.61E-08	-1.55E-08	-1.43E-08	-1.43E-08	-1.43E-08	-1.37E-08	-1.49E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.30E-09**	**-9.10E-09**	**-6.40E-09**	**-1.10E-09**	**-3.40E-11**	**-5.40E-10**	**7.10E-10**	**-2.90E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	1.54E-08	1.55E-08	1.59E-08	1.53E-08	1.62E-08	1.49E-08	1.51E-08	1.59E-08
URI (ΔCDF)	-1.40E-08	-1.45E-08	-1.49E-08	-1.36E-08	-1.36E-08	-1.36E-08	-1.36E-08	-1.53E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-09**	**1.00E-09**	**9.60E-10**	**1.80E-09**	**2.70E-09**	**1.40E-09**	**1.50E-09**	**6.20E-10**

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)	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-1.85E-08	-1.85E-08	-1.85E-08	-1.83E-08
URI (ΔCDF)	-3.74E-08	-3.74E-08	-3.99E-08	-3.99E-08	2.29E-08	2.29E-08	2.29E-08	2.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.10E-08**	**-6.10E-08**	**-6.40E-08**	**-6.40E-08**	**4.40E-09**	**4.40E-09**	**4.40E-09**	**4.60E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	2.51E-09	2.28E-09	1.16E-08	1.07E-08	-3.05E-09	-3.05E-09	-1.54E-08	-1.26E-08
URI (ΔCDF)	1.06E-10	1.06E-10	1.06E-10	1.06E-10	1.06E-10	-5.47E-10	-5.47E-10	-5.47E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.60E-09**	**2.40E-09**	**1.20E-08**	**1.10E-08**	**-2.90E-09**	**-3.60E-09**	**-1.60E-08**	**-1.30E-08**

Licensee Comments:

1Q/13: January Unavailability Hours were added for 2A RHRSW. This caused a changed in MSPI Colling Water System PI's for first quarter 2013. This did not result in a change in 'color' for the indicator.

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	0.000007	0.000011	0.000004	0.000010	0.000003	0.000003	0.000003	0.000004	0.000003	0.000004	0.000004	0.000005
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	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**
Maximum activity	0.000004	0.000008	0.000009	0.000009	0.000006	0.000010	0.000006	0.000007	0.000006	N/A	0.000004	0.000006
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	**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	1.444	1.440	1.473	1.450	1.507	1.477	1.453	1.478	1.474	1.495	1.503	1.496
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.8**	**5.8**	**5.9**	**5.8**	**6.0**	**5.9**	**5.8**	**5.9**	**5.9**	**6.0**	**6.0**	**6.0**
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	1.615	1.480	1.488	1.488	1.510	1.456	1.458	1.458	1.467	1.381	2.421	2.330
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**5.9**	**6.0**	**6.0**	**6.0**	**5.8**	**5.8**	**5.8**	**5.9**	**5.5**	**9.7**	**9.3**

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	31.0	37.0	15.0	47.0	31.0	26.0	15.0	51.0
Total opportunities	32.0	39.0	15.0	47.0	33.0	26.0	15.0	52.0
Indicator value	**99.2%**	**98.6%**	**98.4%**	**98.6%**	**97.8%**	**97.6%**	**97.3%**	**97.7%**

Licensee Comments:

3Q/12: A change package is being submitted for 3rd quarter 2012 to update the September data for Successful drill, exer & event opportunities & Total drill, exer & event opportunities from 7 to 14. This does not affect the color of any indicator.

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	74.0	75.0	69.0	70.0	71.0	73.0	73.0	73.0
Total Key personnel	74.0	75.0	69.0	70.0	71.0	73.0	73.0	73.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful siren-tests	2640	2688	2685	2684	2686	2687	2641	2687
Total sirens-tests	2646	2688	2688	2688	2688	2688	2646	2688
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
High radiation area occurrences	0	0	0	0	0	0	0	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

Quad Cities 2

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	1.0	0
Critical hours	2209.0	2133.9	2184.0	2208.0	2209.0	2156.4	1346.8	2208.0
Indicator value	**0.9**	**0.8**	**0**	**0**	**0**	**0**	**0.9**	**0.9**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned power changes	0	0	0	1.0	0	1.0	1.0	0
Critical hours	2209.0	2133.9	2184.0	2208.0	2209.0	2156.4	1346.8	2208.0
Indicator value	**0.9**	**0.8**	**0.8**	**0.8**	**0.8**	**1.6**	**2.7**	**1.8**

Licensee Comments:

3Q/13: An FAQ was submitted for a 6/5/13 event involving a power change on Unit 2 due to an animal intrusion event in the Quad Cities Switchyard.

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	1.0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.0**	**1.0**

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	0	0
Indicator value	**4**	**3**	**2**	**2**	**0**	**0**	**0**	**0**

Licensee Comments:

4Q/12: LER 254/2012-004-00, Breach in Secondary Containment (11-5-12), (SSFF applies to both Units 1 and 2). LER 265/2012-004-00, Drywell Radiation Monitor Failed Downscale (11-20-12).

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)	2.07E-08	1.15E-08	9.10E-09	9.82E-09	2.83E-08	2.61E-08	1.75E-08	2.02E-08
URI (ΔCDF)	8.80E-09	7.60E-09	1.08E-08	-1.49E-08	-1.63E-08	-1.21E-08	-1.41E-08	-1.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.00E-08**	**1.90E-08**	**2.00E-08**	**-5.10E-09**	**1.20E-08**	**1.40E-08**	**3.40E-09**	**8.20E-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/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	6.91E-09	9.05E-09	1.32E-08	1.43E-08	1.38E-08	1.44E-08	1.20E-08	1.47E-08
URI (ΔCDF)	-1.61E-08	-1.55E-08	-1.43E-08	-1.43E-08	-1.43E-08	-1.37E-08	-1.49E-08	-1.49E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.10E-09**	**-6.40E-09**	**-1.10E-09**	**-3.40E-11**	**-5.40E-10**	**7.10E-10**	**-2.90E-09**	**-2.30E-10**

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)	1.55E-08	1.59E-08	1.53E-08	1.62E-08	1.49E-08	1.51E-08	1.59E-08	1.53E-08
URI (ΔCDF)	-1.45E-08	-1.49E-08	-1.36E-08	-1.36E-08	-1.36E-08	-1.36E-08	-1.53E-08	-1.53E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-09**	**9.60E-10**	**1.80E-09**	**2.70E-09**	**1.40E-09**	**1.50E-09**	**6.20E-10**	**3.60E-11**

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)	-2.38E-08	-2.38E-08	-2.38E-08	-1.85E-08	-1.85E-08	-1.85E-08	-1.83E-08	-1.83E-08
URI (ΔCDF)	-3.74E-08	-3.99E-08	-3.99E-08	2.29E-08	2.29E-08	2.29E-08	2.29E-08	2.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.10E-08**	**-6.40E-08**	**-6.40E-08**	**4.40E-09**	**4.40E-09**	**4.40E-09**	**4.60E-09**	**4.60E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	2.28E-09	1.16E-08	1.07E-08	-3.05E-09	-3.05E-09	-1.54E-08	-1.26E-08	-1.57E-08
URI (ΔCDF)	1.06E-10	1.06E-10	1.06E-10	1.06E-10	-5.47E-10	-5.47E-10	-5.47E-10	-5.47E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.40E-09**	**1.20E-08**	**1.10E-08**	**-2.90E-09**	**-3.60E-09**	**-1.60E-08**	**-1.30E-08**	**-1.60E-08**

Licensee Comments:

1Q/13: January Unavailability Hours were added for 2A RHRSW. This caused a changed in MSPI Colling Water System PI's for first quarter 2013. This did not result in a change in 'color' for the indicator.

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	0.000010	0.000003	0.000003	0.000003	0.000004	0.000003	0.000004	0.000004	0.000005	0.000004	0.000008	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	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**
Maximum activity	0.000009	0.000006	0.000010	0.000006	0.000007	0.000006	N/A	0.000004	0.000006	0.000005	0.000012	0.000006
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	**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	1.450	1.507	1.477	1.453	1.478	1.474	1.495	1.503	1.496	1.615	1.480	1.488
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.8**	**6.0**	**5.9**	**5.8**	**5.9**	**5.9**	**6.0**	**6.0**	**6.0**	**6.5**	**5.9**	**6.0**
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	1.488	1.510	1.456	1.458	1.458	1.467	1.381	2.421	2.330	2.172	2.122	2.253
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**6.0**	**5.8**	**5.8**	**5.8**	**5.9**	**5.5**	**9.7**	**9.3**	**8.7**	**8.5**	**9.0**

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	37.0	15.0	47.0	31.0	26.0	15.0	51.0	40.0
Total opportunities	39.0	15.0	47.0	33.0	26.0	15.0	52.0	45.0
Indicator value	**98.6%**	**98.4%**	**98.6%**	**97.8%**	**97.6%**	**97.3%**	**97.7%**	**96.3%**

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	75.0	69.0	70.0	71.0	73.0	73.0	73.0	72.0
Total Key personnel	75.0	69.0	70.0	71.0	73.0	73.0	73.0	72.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful siren-tests	2688	2685	2684	2686	2687	2641	2687	2686
Total sirens-tests	2688	2688	2688	2688	2688	2646	2688	2688
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

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

Quad Cities 2

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	1.0	0	0
Critical hours	2133.9	2184.0	2208.0	2209.0	2156.4	1346.8	2208.0	2209.0
Indicator value	**0.8**	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**

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	1.0	0	1.0	1.0	0	0
Critical hours	2133.9	2184.0	2208.0	2209.0	2156.4	1346.8	2208.0	2209.0
Indicator value	**0.8**	**0.8**	**0.8**	**0.8**	**1.6**	**2.7**	**1.8**	**1.8**

Licensee Comments:

3Q/13: An FAQ was submitted for a 6/5/13 event involving a power change on Unit 2 due to an animal intrusion event in the Quad Cities Switchyard.

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	1.0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.0**	**1.0**	**1.0**

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	0	0	0
Indicator value	**3**	**2**	**2**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	1.15E-08	9.10E-09	9.82E-09	2.83E-08	2.61E-08	1.75E-08	2.02E-08	-5.80E-10
URI (ΔCDF)	7.60E-09	1.08E-08	-1.49E-08	-1.63E-08	-1.21E-08	-1.41E-08	-1.20E-08	-1.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.90E-08**	**2.00E-08**	**-5.10E-09**	**1.20E-08**	**1.40E-08**	**3.40E-09**	**8.20E-09**	**-1.30E-08**

Licensee Comments:

4Q/14: Includes endurance run and short work window.

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)	9.05E-09	1.32E-08	1.43E-08	1.38E-08	1.44E-08	1.20E-08	1.47E-08	1.80E-08
URI (ΔCDF)	-1.55E-08	-1.43E-08	-1.43E-08	-1.43E-08	-1.37E-08	-1.49E-08	-1.49E-08	-1.49E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.40E-09**	**-1.10E-09**	**-3.40E-11**	**-5.40E-10**	**7.10E-10**	**-2.90E-09**	**-2.30E-10**	**3.00E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	1.59E-08	1.53E-08	1.62E-08	1.49E-08	1.51E-08	1.59E-08	1.53E-08	1.74E-08
URI (ΔCDF)	-1.49E-08	-1.36E-08	-1.36E-08	-1.36E-08	-1.36E-08	-1.53E-08	-1.53E-08	-1.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.60E-10**	**1.80E-09**	**2.70E-09**	**1.40E-09**	**1.50E-09**	**6.20E-10**	**3.60E-11**	**3.00E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	-2.38E-08	-2.38E-08	-1.85E-08	-1.85E-08	-1.85E-08	-1.83E-08	-1.83E-08	-1.83E-08
URI (ΔCDF)	-3.99E-08	-3.99E-08	2.29E-08	2.29E-08	2.29E-08	2.29E-08	2.29E-08	2.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.40E-08**	**-6.40E-08**	**4.40E-09**	**4.40E-09**	**4.40E-09**	**4.60E-09**	**4.60E-09**	**4.60E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	1.16E-08	1.07E-08	-3.05E-09	-3.05E-09	-1.54E-08	-1.26E-08	-1.57E-08	-8.13E-09
URI (ΔCDF)	1.06E-10	1.06E-10	1.06E-10	-5.47E-10	-5.47E-10	-5.47E-10	-5.47E-10	-5.47E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-08**	**1.10E-08**	**-2.90E-09**	**-3.60E-09**	**-1.60E-08**	**-1.30E-08**	**-1.60E-08**	**-8.70E-09**

Licensee Comments:

1Q/13: January Unavailability Hours were added for 2A RHRSW. This caused a changed in MSPI Colling Water System PI's for first quarter 2013. This did not result in a change in 'color' for the indicator.

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	0.000003	0.000004	0.000003	0.000004	0.000004	0.000005	0.000004	0.000008	0.000009	0.000009	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**	**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	0.000006	0.000007	0.000006	N/A	0.000004	0.000006	0.000005	0.000012	0.000006	0.000012	0.000014	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**	**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	**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	1.453	1.478	1.474	1.495	1.503	1.496	1.615	1.480	1.488	1.488	1.510	1.456
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.8**	**5.9**	**5.9**	**6.0**	**6.0**	**6.0**	**6.5**	**5.9**	**6.0**	**6.0**	**6.0**	**5.8**
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	1.458	1.458	1.467	1.381	2.421	2.330	2.172	2.122	2.253	2.235	2.250	2.190
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.8**	**5.8**	**5.9**	**5.5**	**9.7**	**9.3**	**8.7**	**8.5**	**9.0**	**8.9**	**9.0**	**8.8**

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	15.0	47.0	31.0	26.0	15.0	51.0	40.0	22.0
Total opportunities	15.0	47.0	33.0	26.0	15.0	52.0	45.0	22.0
Indicator value	**98.4%**	**98.6%**	**97.8%**	**97.6%**	**97.3%**	**97.7%**	**96.3%**	**96.9%**

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	69.0	70.0	71.0	73.0	73.0	73.0	72.0	75.0
Total Key personnel	69.0	70.0	71.0	73.0	73.0	73.0	72.0	75.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful siren-tests	2685	2684	2686	2687	2641	2687	2686	2686
Total sirens-tests	2688	2688	2688	2688	2646	2688	2688	2688
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
High radiation area occurrences	0	0	0	0	0	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

Quad Cities 2

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	1.0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2156.4	1346.8	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned power changes	0	1.0	0	1.0	1.0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2156.4	1346.8	2208.0	2209.0	2159.0
Indicator value	**0.8**	**0.8**	**0.8**	**1.6**	**2.7**	**1.8**	**1.8**	**0.9**

Licensee Comments:

3Q/13: An FAQ was submitted for a 6/5/13 event involving a power change on Unit 2 due to an animal intrusion event in the Quad Cities Switchyard.

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	1.0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**1.0**	**1.0**	**1.0**	**1.0**

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	0	0	0	1
Indicator value	**2**	**2**	**0**	**0**	**0**	**0**	**0**	**1**

Licensee Comments:

1Q/15: LER 254/2104-005-00, Main Control Room Door Unable to Close Causes Loss of Control Room Envelope Boundary (affects BOTH units)

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	9.10E-09	9.82E-09	2.83E-08	2.61E-08	1.75E-08	2.02E-08	-5.80E-10	5.40E-08
URI (ΔCDF)	1.08E-08	-1.49E-08	-1.63E-08	-1.21E-08	-1.41E-08	-1.20E-08	-1.26E-08	-1.11E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.00E-08**	**-5.10E-09**	**1.20E-08**	**1.40E-08**	**3.40E-09**	**8.20E-09**	**-1.30E-08**	**4.30E-08**

Licensee Comments:

4Q/14: Includes endurance run and short work window.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	1.32E-08	1.43E-08	1.38E-08	1.44E-08	1.20E-08	1.47E-08	1.80E-08	1.24E-08
URI (ΔCDF)	-1.43E-08	-1.43E-08	-1.43E-08	-1.37E-08	-1.49E-08	-1.49E-08	-1.49E-08	-1.43E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-09**	**-3.40E-11**	**-5.40E-10**	**7.10E-10**	**-2.90E-09**	**-2.30E-10**	**3.00E-09**	**-1.90E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	1.53E-08	1.62E-08	1.49E-08	1.51E-08	1.59E-08	1.53E-08	1.74E-08	1.23E-09
URI (ΔCDF)	-1.36E-08	-1.36E-08	-1.36E-08	-1.36E-08	-1.53E-08	-1.53E-08	-1.45E-08	-1.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.80E-09**	**2.70E-09**	**1.40E-09**	**1.50E-09**	**6.20E-10**	**3.60E-11**	**3.00E-09**	**-1.30E-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)	-2.38E-08	-1.85E-08	-1.85E-08	-1.85E-08	-1.83E-08	-1.83E-08	-1.83E-08	-1.84E-08
URI (ΔCDF)	-3.99E-08	2.29E-08	2.29E-08	2.29E-08	2.29E-08	2.29E-08	2.29E-08	2.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.40E-08**	**4.40E-09**	**4.40E-09**	**4.40E-09**	**4.60E-09**	**4.60E-09**	**4.60E-09**	**4.50E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	1.07E-08	-3.05E-09	-3.05E-09	-1.54E-08	-1.26E-08	-1.57E-08	-8.13E-09	-9.28E-09
URI (ΔCDF)	1.06E-10	1.06E-10	-5.47E-10	-5.47E-10	-5.47E-10	-5.47E-10	-5.47E-10	-5.47E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-08**	**-2.90E-09**	**-3.60E-09**	**-1.60E-08**	**-1.30E-08**	**-1.60E-08**	**-8.70E-09**	**-9.80E-09**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**
Maximum activity	0.000004	0.000004	0.000005	0.000004	0.000008	0.000009	0.000009	0.000006	0.000010	0.000006	0.000007	0.000006
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	N/A	0.000004	0.000006	0.000005	0.000012	0.000006	0.000012	0.000014	0.000012	0.000014	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

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	1.495	1.503	1.496	1.615	1.480	1.488	1.488	1.510	1.456	1.458	1.458	1.467
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**6.0**	**6.0**	**6.5**	**5.9**	**6.0**	**6.0**	**6.0**	**5.8**	**5.8**	**5.8**	**5.9**
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	1.381	2.421	2.330	2.172	2.122	2.253	2.235	2.250	2.190	2.178	2.188	2.211
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.5**	**9.7**	**9.3**	**8.7**	**8.5**	**9.0**	**8.9**	**9.0**	**8.8**	**8.7**	**8.8**	**8.8**

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	47.0	31.0	26.0	15.0	51.0	40.0	22.0	28.0
Total opportunities	47.0	33.0	26.0	15.0	52.0	45.0	22.0	28.0
Indicator value	**98.6%**	**97.8%**	**97.6%**	**97.3%**	**97.7%**	**96.3%**	**96.9%**	**97.0%**

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	70.0	71.0	73.0	73.0	73.0	72.0	75.0	76.0
Total Key personnel	70.0	71.0	73.0	73.0	73.0	72.0	75.0	76.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful siren-tests	2684	2686	2687	2641	2687	2686	2686	2641
Total sirens-tests	2688	2688	2688	2646	2688	2688	2688	2646
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

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

Quad Cities 2

2Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2208.0	2209.0	2156.4	1346.8	2208.0	2209.0	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned power changes	1.0	0	1.0	1.0	0	0	0	1.0
Critical hours	2208.0	2209.0	2156.4	1346.8	2208.0	2209.0	2159.0	2184.0
Indicator value	**0.8**	**0.8**	**1.6**	**2.7**	**1.8**	**1.8**	**0.9**	**0.8**

Licensee Comments:

3Q/13: An FAQ was submitted for a 6/5/13 event involving a power change on Unit 2 due to an animal intrusion event in the Quad Cities Switchyard.

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	1.0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**1.0**	**1.0**	**1.0**	**1.0**	**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	0	0	0	1	0
Indicator value	**2**	**0**	**0**	**0**	**0**	**0**	**1**	**1**

Licensee Comments:

1Q/15: LER 254/2104-005-00, Main Control Room Door Unable to Close Causes Loss of Control Room Envelope Boundary (affects BOTH units)

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)	9.82E-09	2.83E-08	2.61E-08	1.75E-08	2.02E-08	-5.80E-10	5.40E-08	5.00E-08
URI (ΔCDF)	-1.49E-08	-1.63E-08	-1.21E-08	-1.41E-08	-1.20E-08	-1.26E-08	-1.11E-08	-6.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.10E-09**	**1.20E-08**	**1.40E-08**	**3.40E-09**	**8.20E-09**	**-1.30E-08**	**4.30E-08**	**-1.80E-08**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

4Q/14: Includes endurance run and short work window.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	1.43E-08	1.38E-08	1.44E-08	1.20E-08	1.47E-08	1.80E-08	1.24E-08	2.74E-08
URI (ΔCDF)	-1.43E-08	-1.43E-08	-1.37E-08	-1.49E-08	-1.49E-08	-1.49E-08	-1.43E-08	-1.63E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.40E-11**	**-5.40E-10**	**7.10E-10**	**-2.90E-09**	**-2.30E-10**	**3.00E-09**	**-1.90E-09**	**1.10E-08**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	1.62E-08	1.49E-08	1.51E-08	1.59E-08	1.53E-08	1.74E-08	1.23E-09	6.44E-09
URI (ΔCDF)	-1.36E-08	-1.36E-08	-1.36E-08	-1.53E-08	-1.53E-08	-1.45E-08	-1.45E-08	-1.35E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.70E-09**	**1.40E-09**	**1.50E-09**	**6.20E-10**	**3.60E-11**	**3.00E-09**	**-1.30E-08**	**-7.00E-09**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	-1.85E-08	-1.85E-08	-1.85E-08	-1.83E-08	-1.83E-08	-1.83E-08	-1.84E-08	-1.01E-08
URI (ΔCDF)	2.29E-08	2.29E-08	2.29E-08	2.29E-08	2.29E-08	2.29E-08	2.29E-08	1.61E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.40E-09**	**4.40E-09**	**4.40E-09**	**4.60E-09**	**4.60E-09**	**4.60E-09**	**4.50E-09**	**6.00E-09**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	-3.05E-09	-3.05E-09	-1.54E-08	-1.26E-08	-1.57E-08	-8.13E-09	-9.28E-09	-4.59E-09
URI (ΔCDF)	1.06E-10	-5.47E-10	-5.47E-10	-5.47E-10	-5.47E-10	-5.47E-10	-5.47E-10	-1.44E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.90E-09**	**-3.60E-09**	**-1.60E-08**	**-1.30E-08**	**-1.60E-08**	**-8.70E-09**	**-9.80E-09**	**-4.70E-09**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

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	0.000004	0.000008	0.000009	0.000009	0.000006	0.000010	0.000006	0.000007	0.000006	N/A	0.000004	0.000006
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	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**
Maximum activity	0.000005	0.000012	0.000006	0.000012	0.000014	0.000012	0.000014	0.000011	0.000011	0.000010	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**	**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	1.615	1.480	1.488	1.488	1.510	1.456	1.458	1.458	1.467	1.381	2.421	2.330
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**5.9**	**6.0**	**6.0**	**6.0**	**5.8**	**5.8**	**5.8**	**5.9**	**5.5**	**9.7**	**9.3**
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	2.172	2.122	2.253	2.235	2.250	2.190	2.178	2.188	2.211	2.228	2.159	2.067
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.7**	**8.5**	**9.0**	**8.9**	**9.0**	**8.8**	**8.7**	**8.8**	**8.8**	**8.9**	**8.6**	**8.3**

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	31.0	26.0	15.0	51.0	40.0	22.0	28.0	48.0
Total opportunities	33.0	26.0	15.0	52.0	45.0	22.0	28.0	49.0
Indicator value	**97.8%**	**97.6%**	**97.3%**	**97.7%**	**96.3%**	**96.9%**	**97.0%**	**96.7%**

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	71.0	73.0	73.0	73.0	72.0	75.0	76.0	73.0
Total Key personnel	71.0	73.0	73.0	73.0	72.0	75.0	76.0	73.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful siren-tests	2686	2687	2641	2687	2686	2686	2641	2680
Total sirens-tests	2688	2688	2646	2688	2688	2688	2646	2688
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.8%**

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

Quad Cities 2

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	1.0	0	0	0	0	0
Critical hours	2209.0	2156.4	1346.8	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned power changes	0	1.0	1.0	0	0	0	1.0	1.0
Critical hours	2209.0	2156.4	1346.8	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	**0.8**	**1.6**	**2.7**	**1.8**	**1.8**	**0.9**	**0.8**	**1.6**

Licensee Comments:

3Q/15: U-2 Recirculation Pump trip greater than 20%

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	1.0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**1.0**	**1.0**	**1.0**	**1.0**	**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	0	0	0	1	0	1
Indicator value	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**2**

Licensee Comments:

3Q/15: LER 254/2015-009-00, Loss of Control Room Emergency Ventilation System Due to Air Filtration Unit Damper Failure (affects Units 1 and 2)

1Q/15: LER 254/2104-005-00, Main Control Room Door Unable to Close Causes Loss of Control Room Envelope Boundary (affects BOTH units)

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)	2.83E-08	2.61E-08	1.75E-08	2.02E-08	-5.80E-10	5.40E-08	5.00E-08	6.37E-08
URI (ΔCDF)	-1.63E-08	-1.21E-08	-1.41E-08	-1.20E-08	-1.26E-08	-1.11E-08	-6.80E-08	-6.76E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-08**	**1.40E-08**	**3.40E-09**	**8.20E-09**	**-1.30E-08**	**4.30E-08**	**-1.80E-08**	**-3.90E-09**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

4Q/14: Includes endurance run and short work window.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	1.38E-08	1.44E-08	1.20E-08	1.47E-08	1.80E-08	1.24E-08	2.74E-08	2.60E-08
URI (ΔCDF)	-1.43E-08	-1.37E-08	-1.49E-08	-1.49E-08	-1.49E-08	-1.43E-08	-1.63E-08	-1.63E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.40E-10**	**7.10E-10**	**-2.90E-09**	**-2.30E-10**	**3.00E-09**	**-1.90E-09**	**1.10E-08**	**9.70E-09**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). 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/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	1.49E-08	1.51E-08	1.59E-08	1.53E-08	1.74E-08	1.23E-09	6.44E-09	7.37E-09
URI (ΔCDF)	-1.36E-08	-1.36E-08	-1.53E-08	-1.53E-08	-1.45E-08	-1.45E-08	-1.35E-08	-1.35E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-09**	**1.50E-09**	**6.20E-10**	**3.60E-11**	**3.00E-09**	**-1.30E-08**	**-7.00E-09**	**-6.10E-09**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). 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/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	-1.85E-08	-1.85E-08	-1.83E-08	-1.83E-08	-1.83E-08	-1.84E-08	-1.01E-08	-1.01E-08
URI (ΔCDF)	2.29E-08	2.29E-08	2.29E-08	2.29E-08	2.29E-08	2.29E-08	1.61E-08	1.61E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.40E-09**	**4.40E-09**	**4.60E-09**	**4.60E-09**	**4.60E-09**	**4.50E-09**	**6.00E-09**	**6.00E-09**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). 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/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	-3.05E-09	-1.54E-08	-1.26E-08	-1.57E-08	-8.13E-09	-9.28E-09	-4.59E-09	-8.88E-09
URI (ΔCDF)	-5.47E-10	-5.47E-10	-5.47E-10	-5.47E-10	-5.47E-10	-5.47E-10	-1.44E-10	-1.44E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.60E-09**	**-1.60E-08**	**-1.30E-08**	**-1.60E-08**	**-8.70E-09**	**-9.80E-09**	**-4.70E-09**	**-9.00E-09**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

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	0.000009	0.000006	0.000010	0.000006	0.000007	0.000006	N/A	0.000004	0.000006	0.000005	0.000012	0.000006
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	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**
Maximum activity	0.000012	0.000014	0.000012	0.000014	0.000011	0.000011	0.000010	0.000007	0.000007	0.000007	0.000014	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	**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	1.488	1.510	1.456	1.458	1.458	1.467	1.381	2.421	2.330	2.172	2.122	2.253
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**6.0**	**5.8**	**5.8**	**5.8**	**5.9**	**5.5**	**9.7**	**9.3**	**8.7**	**8.5**	**9.0**
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	2.235	2.250	2.190	2.178	2.188	2.211	2.228	2.159	2.067	2.064	2.403	2.492
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.9**	**9.0**	**8.8**	**8.7**	**8.8**	**8.8**	**8.9**	**8.6**	**8.3**	**8.3**	**9.6**	**10.0**

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	26.0	15.0	51.0	40.0	22.0	28.0	48.0	21.0
Total opportunities	26.0	15.0	52.0	45.0	22.0	28.0	49.0	22.0
Indicator value	**97.6%**	**97.3%**	**97.7%**	**96.3%**	**96.9%**	**97.0%**	**96.7%**	**96.9%**

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	73.0	73.0	73.0	72.0	75.0	76.0	73.0	72.0
Total Key personnel	73.0	73.0	73.0	72.0	75.0	76.0	73.0	72.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful siren-tests	2687	2641	2687	2686	2686	2641	2680	2725
Total sirens-tests	2688	2646	2688	2688	2688	2646	2688	2730
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.8%**	**99.8%**

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

Quad Cities 2

4Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2156.4	1346.8	2208.0	2209.0	2159.0	2184.0	2208.0	2209.0
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned power changes	1.0	1.0	0	0	0	1.0	1.0	0
Critical hours	2156.4	1346.8	2208.0	2209.0	2159.0	2184.0	2208.0	2209.0
Indicator value	**1.6**	**2.7**	**1.8**	**1.8**	**0.9**	**0.8**	**1.6**	**1.6**

Licensee Comments:

3Q/15: U-2 Recirculation Pump trip greater than 20%

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	1.0	0	0	0	0	0	0
Indicator value	**0.0**	**1.0**	**1.0**	**1.0**	**1.0**	**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	0	0	0	1	0	1	0
Indicator value	**0**	**0**	**0**	**0**	**1**	**1**	**2**	**2**

Licensee Comments:

3Q/15: LER 254/2015-009-00, Loss of Control Room Emergency Ventilation System Due to Air Filtration Unit Damper Failure (affects Units 1 and 2)

1Q/15: LER 254/2104-005-00, Main Control Room Door Unable to Close Causes Loss of Control Room Envelope Boundary (affects BOTH units)

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	2.61E-08	1.75E-08	2.02E-08	-5.80E-10	5.40E-08	5.00E-08	6.37E-08	7.35E-08
URI (ΔCDF)	-1.21E-08	-1.41E-08	-1.20E-08	-1.26E-08	-1.11E-08	-6.80E-08	-6.76E-08	-6.85E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-08**	**3.40E-09**	**8.20E-09**	**-1.30E-08**	**4.30E-08**	**-1.80E-08**	**-3.90E-09**	**5.00E-09**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

4Q/14: Includes endurance run and short work window.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	1.44E-08	1.20E-08	1.47E-08	1.80E-08	1.24E-08	2.74E-08	2.60E-08	3.28E-08
URI (ΔCDF)	-1.37E-08	-1.49E-08	-1.49E-08	-1.49E-08	-1.43E-08	-1.63E-08	-1.63E-08	-1.63E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.10E-10**	**-2.90E-09**	**-2.30E-10**	**3.00E-09**	**-1.90E-09**	**1.10E-08**	**9.70E-09**	**1.60E-08**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). 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/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	1.51E-08	1.59E-08	1.53E-08	1.74E-08	1.23E-09	6.44E-09	7.37E-09	2.11E-09
URI (ΔCDF)	-1.36E-08	-1.53E-08	-1.53E-08	-1.45E-08	-1.45E-08	-1.35E-08	-1.35E-08	-1.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.50E-09**	**6.20E-10**	**3.60E-11**	**3.00E-09**	**-1.30E-08**	**-7.00E-09**	**-6.10E-09**	**-1.10E-08**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). 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/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	-1.85E-08	-1.83E-08	-1.83E-08	-1.83E-08	-1.84E-08	-1.01E-08	-1.01E-08	-1.01E-08
URI (ΔCDF)	2.29E-08	2.29E-08	2.29E-08	2.29E-08	2.29E-08	1.61E-08	1.61E-08	1.61E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.40E-09**	**4.60E-09**	**4.60E-09**	**4.60E-09**	**4.50E-09**	**6.00E-09**	**6.00E-09**	**6.00E-09**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). 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/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	-1.54E-08	-1.26E-08	-1.57E-08	-8.13E-09	-9.28E-09	-4.59E-09	-8.88E-09	-8.88E-09
URI (ΔCDF)	-5.47E-10	-5.47E-10	-5.47E-10	-5.47E-10	-5.47E-10	-1.44E-10	-1.44E-10	-1.44E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-08**	**-1.30E-08**	**-1.60E-08**	**-8.70E-09**	**-9.80E-09**	**-4.70E-09**	**-9.00E-09**	**-9.00E-09**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

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	0.000006	0.000007	0.000006	N/A	0.000004	0.000006	0.000005	0.000012	0.000006	0.000012	0.000014	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**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**
Maximum activity	0.000014	0.000011	0.000011	0.000010	0.000007	0.000007	0.000007	0.000014	0.000011	0.000012	0.000012	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	**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	1.458	1.458	1.467	1.381	2.421	2.330	2.172	2.122	2.253	2.235	2.250	2.190
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.8**	**5.8**	**5.9**	**5.5**	**9.7**	**9.3**	**8.7**	**8.5**	**9.0**	**8.9**	**9.0**	**8.8**
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	2.178	2.188	2.211	2.228	2.159	2.067	2.064	2.403	2.492	2.237	2.210	2.123
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.7**	**8.8**	**8.8**	**8.9**	**8.6**	**8.3**	**8.3**	**9.6**	**10.0**	**8.9**	**8.8**	**8.5**

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	15.0	51.0	40.0	22.0	28.0	48.0	21.0	33.0
Total opportunities	15.0	52.0	45.0	22.0	28.0	49.0	22.0	33.0
Indicator value	**97.3%**	**97.7%**	**96.3%**	**96.9%**	**97.0%**	**96.7%**	**96.9%**	**97.0%**

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	73.0	73.0	72.0	75.0	76.0	73.0	72.0	73.0
Total Key personnel	73.0	73.0	72.0	75.0	76.0	73.0	72.0	73.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful siren-tests	2641	2687	2686	2686	2641	2680	2725	2686
Total sirens-tests	2646	2688	2688	2688	2646	2688	2730	2688
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.8%**	**99.8%**	**99.8%**

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

Quad Cities 2

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	1.0	0	0	0	0	0	0	0
Critical hours	1346.8	2208.0	2209.0	2159.0	2184.0	2208.0	2209.0	1919.9
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**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	1.0	0	0	0	1.0	1.0	0	0
Critical hours	1346.8	2208.0	2209.0	2159.0	2184.0	2208.0	2209.0	1919.9
Indicator value	**2.7**	**1.8**	**1.8**	**0.9**	**0.8**	**1.6**	**1.6**	**1.6**

Licensee Comments:

3Q/15: U-2 Recirculation Pump trip greater than 20%

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	1.0	0	0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**1.0**	**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	0	0	0	1	0	1	0	1
Indicator value	**0**	**0**	**0**	**1**	**1**	**2**	**2**	**2**

Licensee Comments:

1Q/16: LER 254/2015-010-00, Loss of Control Room Emergency Ventilation System Due to Differential Pressure Switch Failure

3Q/15: LER 254/2015-009-00, Loss of Control Room Emergency Ventilation System Due to Air Filtration Unit Damper Failure (affects Units 1 and 2)

1Q/15: LER 254/2104-005-00, Main Control Room Door Unable to Close Causes Loss of Control Room Envelope Boundary (affects BOTH units)

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)	1.75E-08	2.02E-08	-5.80E-10	5.40E-08	5.00E-08	6.37E-08	7.35E-08	6.75E-08
URI (ΔCDF)	-1.41E-08	-1.20E-08	-1.26E-08	-1.14E-08	-6.81E-08	-6.78E-08	-6.86E-08	-6.64E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.40E-09**	**8.20E-09**	**-1.30E-08**	**4.30E-08**	**-1.80E-08**	**-4.10E-09**	**4.80E-09**	**1.10E-09**

Licensee Comments:

4Q/15: Error in original submittal.

3Q/15: Error in original submittal.

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

2Q/15: Changed PRA Parameter(s).

1Q/15: Error in original submittal. Two successful starts of the Unit 0 EDG were accounted for when three actually occurred.

4Q/14: Includes endurance run and short work window.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	1.20E-08	1.47E-08	1.80E-08	1.24E-08	2.74E-08	2.60E-08	3.28E-08	2.46E-08
URI (ΔCDF)	-1.49E-08	-1.49E-08	-1.49E-08	-1.43E-08	-1.63E-08	-1.63E-08	-1.63E-08	-1.63E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.90E-09**	**-2.30E-10**	**3.00E-09**	**-1.90E-09**	**1.10E-08**	**9.70E-09**	**1.60E-08**	**8.30E-09**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). 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/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	1.59E-08	1.53E-08	1.74E-08	1.23E-09	6.44E-09	7.37E-09	2.11E-09	3.51E-09
URI (ΔCDF)	-1.53E-08	-1.53E-08	-1.45E-08	-1.45E-08	-1.35E-08	-1.35E-08	-1.30E-08	-1.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.20E-10**	**3.60E-11**	**3.00E-09**	**-1.30E-08**	**-7.00E-09**	**-6.10E-09**	**-1.10E-08**	**-9.50E-09**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). 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/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	-1.83E-08	-1.83E-08	-1.83E-08	-1.84E-08	-1.01E-08	-1.01E-08	-1.01E-08	-1.01E-08
URI (ΔCDF)	2.29E-08	2.29E-08	2.29E-08	2.29E-08	1.61E-08	1.61E-08	1.61E-08	1.61E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.60E-09**	**4.60E-09**	**4.60E-09**	**4.50E-09**	**6.00E-09**	**6.00E-09**	**6.00E-09**	**6.00E-09**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). 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/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	-1.26E-08	-1.57E-08	-8.13E-09	-9.28E-09	-4.59E-09	-8.88E-09	-8.88E-09	-2.44E-10
URI (ΔCDF)	-5.47E-10	-5.47E-10	-5.47E-10	-5.47E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-1.60E-08**	**-8.70E-09**	**-9.80E-09**	**-4.70E-09**	**-9.00E-09**	**-9.00E-09**	**-3.90E-10**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

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	N/A	0.000004	0.000006	0.000005	0.000012	0.000006	0.000012	0.000014	0.000012	0.000014	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	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**
Maximum activity	0.000010	0.000007	0.000007	0.000007	0.000014	0.000011	0.000012	0.000012	0.000011	0.000010	0.000012	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	1.381	2.421	2.330	2.172	2.122	2.253	2.235	2.250	2.190	2.178	2.188	2.211
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.5**	**9.7**	**9.3**	**8.7**	**8.5**	**9.0**	**8.9**	**9.0**	**8.8**	**8.7**	**8.8**	**8.8**
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	2.228	2.159	2.067	2.064	2.403	2.492	2.237	2.210	2.123	2.165	2.119	1.897
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.9**	**8.6**	**8.3**	**8.3**	**9.6**	**10.0**	**8.9**	**8.8**	**8.5**	**8.7**	**8.5**	**7.6**

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	51.0	40.0	22.0	28.0	51.0	25.0	33.0	35.0
Total opportunities	52.0	45.0	22.0	28.0	52.0	26.0	33.0	35.0
Indicator value	**97.7%**	**96.3%**	**96.9%**	**97.0%**	**96.7%**	**97.0%**	**97.1%**	**97.3%**

Licensee Comments:

3Q/15: 2015-09 changed successful drills from 13 to 17 and changed total drills from 14 to 18.

2Q/15: 2015-05 changed successful drills from 13 to 16 and total drills from 13 to 16.

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	73.0	72.0	75.0	76.0	73.0	72.0	73.0	74.0
Total Key personnel	73.0	72.0	75.0	76.0	73.0	72.0	73.0	74.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful siren-tests	2687	2686	2686	2641	2680	2725	2686	2687
Total sirens-tests	2688	2688	2688	2646	2688	2730	2688	2688
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.8%**	**99.8%**	**99.8%**	**99.9%**

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

Quad Cities 2

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	2208.0	2209.0	2159.0	2184.0	2208.0	2209.0	1919.9	2032.3
Indicator value	**0.9**	**0.9**	**0.9**	**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	1.0	0	0	1.0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	2209.0	1919.9	2032.3
Indicator value	**1.8**	**1.8**	**0.9**	**0.8**	**1.6**	**1.6**	**1.6**	**1.7**

Licensee Comments:

3Q/15: U-2 Recirculation Pump trip greater than 20%

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	**1.0**	**1.0**	**1.0**	**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	1	0	1	0	1	0
Indicator value	**0**	**0**	**1**	**1**	**2**	**2**	**2**	**2**

Licensee Comments:

1Q/16: LER 254/2015-010-00, Loss of Control Room Emergency Ventilation System Due to Differential Pressure Switch Failure

3Q/15: LER 254/2015-009-00, Loss of Control Room Emergency Ventilation System Due to Air Filtration Unit Damper Failure (affects Units 1 and 2)

1Q/15: LER 254/2104-005-00, Main Control Room Door Unable to Close Causes Loss of Control Room Envelope Boundary (affects BOTH units)

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	2.02E-08	-5.80E-10	5.40E-08	5.00E-08	6.37E-08	7.35E-08	6.75E-08	7.24E-08
URI (ΔCDF)	-1.20E-08	-1.26E-08	-1.14E-08	-6.81E-08	-6.78E-08	-6.86E-08	-6.64E-08	-6.86E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.20E-09**	**-1.30E-08**	**4.30E-08**	**-1.80E-08**	**-4.10E-09**	**4.80E-09**	**1.10E-09**	**3.80E-09**

Licensee Comments:

4Q/15: Error in original submittal.

3Q/15: Error in original submittal.

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

2Q/15: Changed PRA Parameter(s).

1Q/15: Error in original submittal. Two successful starts of the Unit 0 EDG were accounted for when three actually occurred.

4Q/14: Includes endurance run and short work window.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	1.47E-08	1.80E-08	1.24E-08	2.74E-08	2.60E-08	3.28E-08	2.46E-08	3.51E-08
URI (ΔCDF)	-1.49E-08	-1.49E-08	-1.43E-08	-1.63E-08	-1.63E-08	-1.63E-08	-1.63E-08	-1.86E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-10**	**3.00E-09**	**-1.90E-09**	**1.10E-08**	**9.70E-09**	**1.60E-08**	**8.30E-09**	**1.60E-08**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). 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/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	1.53E-08	1.74E-08	1.23E-09	6.44E-09	7.37E-09	2.11E-09	3.51E-09	3.90E-09
URI (ΔCDF)	-1.53E-08	-1.45E-08	-1.45E-08	-1.35E-08	-1.35E-08	-1.30E-08	-1.30E-08	-1.44E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.60E-11**	**3.00E-09**	**-1.30E-08**	**-7.00E-09**	**-6.10E-09**	**-1.10E-08**	**-9.50E-09**	**-1.00E-08**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). 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/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	-1.83E-08	-1.83E-08	-1.84E-08	-1.01E-08	-1.01E-08	-1.01E-08	-1.01E-08	-1.01E-08
URI (ΔCDF)	2.29E-08	2.29E-08	2.29E-08	1.61E-08	1.61E-08	1.61E-08	1.61E-08	1.61E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.60E-09**	**4.60E-09**	**4.50E-09**	**6.00E-09**	**6.00E-09**	**6.00E-09**	**6.00E-09**	**6.00E-09**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). 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/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	-1.57E-08	-8.13E-09	-9.28E-09	-4.59E-09	-8.88E-09	-8.88E-09	-2.44E-10	-5.83E-12
URI (ΔCDF)	-5.47E-10	-5.47E-10	-5.47E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-08**	**-8.70E-09**	**-9.80E-09**	**-4.70E-09**	**-9.00E-09**	**-9.00E-09**	**-3.90E-10**	**-1.50E-10**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

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	0.000005	0.000012	0.000006	0.000012	0.000014	0.000012	0.000014	0.000011	0.000011	0.000010	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**	**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	0.000007	0.000014	0.000011	0.000012	0.000012	0.000011	0.000010	0.000012	0.000011	0.000008	0.000007	0.000006
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	2.172	2.122	2.253	2.235	2.250	2.190	2.178	2.188	2.211	2.228	2.159	2.067
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.7**	**8.5**	**9.0**	**8.9**	**9.0**	**8.8**	**8.7**	**8.8**	**8.8**	**8.9**	**8.6**	**8.3**
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	2.064	2.403	2.492	2.237	2.210	2.123	2.165	2.119	1.897	1.615	1.751	1.765
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.3**	**9.6**	**10.0**	**8.9**	**8.8**	**8.5**	**8.7**	**8.5**	**7.6**	**6.5**	**7.0**	**7.1**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful opportunities	40.0	22.0	28.0	51.0	25.0	33.0	35.0	70.0
Total opportunities	45.0	22.0	28.0	52.0	26.0	33.0	35.0	70.0
Indicator value	**96.3%**	**96.9%**	**97.0%**	**96.7%**	**97.0%**	**97.1%**	**97.3%**	**97.7%**

Licensee Comments:

3Q/15: 2015-09 changed successful drills from 13 to 17 and changed total drills from 14 to 18.

2Q/15: 2015-05 changed successful drills from 13 to 16 and total drills from 13 to 16.

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	72.0	75.0	76.0	73.0	72.0	73.0	74.0	76.0
Total Key personnel	72.0	75.0	76.0	73.0	72.0	73.0	74.0	76.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful siren-tests	2686	2686	2641	2680	2725	2686	2687	2687
Total sirens-tests	2688	2688	2646	2688	2730	2688	2688	2688
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.8%**	**99.8%**	**99.8%**	**99.9%**	**99.9%**

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	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

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

Quad Cities 2

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	2209.0	2159.0	2184.0	2208.0	2209.0	1919.9	2032.3	2208.0
Indicator value	**0.9**	**0.9**	**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	1.0	0	0	1.0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	2209.0	1919.9	2032.3	2208.0
Indicator value	**1.8**	**0.9**	**0.8**	**1.6**	**1.6**	**1.6**	**1.7**	**0.8**

Licensee Comments:

3Q/15: U-2 Recirculation Pump trip greater than 20%

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	**1.0**	**1.0**	**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	1	0	1	0	1	0	0
Indicator value	**0**	**1**	**1**	**2**	**2**	**2**	**2**	**1**

Licensee Comments:

1Q/16: LER 254/2015-010-00, Loss of Control Room Emergency Ventilation System Due to Differential Pressure Switch Failure

3Q/15: LER 254/2015-009-00, Loss of Control Room Emergency Ventilation System Due to Air Filtration Unit Damper Failure (affects Units 1 and 2)

1Q/15: LER 254/2104-005-00, Main Control Room Door Unable to Close Causes Loss of Control Room Envelope Boundary (affects BOTH units)

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)	-5.80E-10	5.40E-08	5.00E-08	6.37E-08	7.35E-08	6.75E-08	7.24E-08	7.76E-08
URI (ΔCDF)	-1.26E-08	-1.14E-08	-6.81E-08	-6.78E-08	-6.86E-08	-6.64E-08	-6.86E-08	-6.81E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**4.30E-08**	**-1.80E-08**	**-4.10E-09**	**4.80E-09**	**1.10E-09**	**3.80E-09**	**9.50E-09**

Licensee Comments:

3Q/16: Planed Unavailable Hours 1/2 -6601 Planned maintenance windows on the Unit 1 and Unit 1/2 EDGs and supporting systems. Speed Switch replacement on Unit 1/2.

4Q/15: Error in original submittal.

3Q/15: Error in original submittal.

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

2Q/15: Changed PRA Parameter(s).

1Q/15: Error in original submittal. Two successful starts of the Unit 0 EDG were accounted for when three actually occurred.

4Q/14: Includes endurance run and short work window.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (ΔCDF)	1.80E-08	1.24E-08	2.74E-08	2.60E-08	3.28E-08	2.46E-08	3.51E-08	3.34E-08
URI (ΔCDF)	-1.49E-08	-1.43E-08	-1.63E-08	-1.63E-08	-1.63E-08	-1.63E-08	-1.86E-08	-1.86E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.00E-09**	**-1.90E-09**	**1.10E-08**	**9.70E-09**	**1.60E-08**	**8.30E-09**	**1.60E-08**	**1.50E-08**

Licensee Comments:

3Q/16: 2-2302 Planned Unavailable Hours QCIS 0200-86, QCIS 0200-87 and U-2 HPCI Work Window

2Q/15: Changed PRA Parameter(s). 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	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (ΔCDF)	1.74E-08	1.23E-09	6.44E-09	7.37E-09	2.11E-09	3.51E-09	3.90E-09	2.98E-09
URI (ΔCDF)	-1.45E-08	-1.45E-08	-1.35E-08	-1.35E-08	-1.30E-08	-1.30E-08	-1.44E-08	-1.44E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.00E-09**	**-1.30E-08**	**-7.00E-09**	**-6.10E-09**	**-1.10E-08**	**-9.50E-09**	**-1.00E-08**	**-1.10E-08**

Licensee Comments:

3Q/16: Planned Unavailable Hours 2-1302 QCIS 0200-86, QCIS 0200-87 and U-2 RCIC Work Window.

2Q/15: Changed PRA Parameter(s). 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/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	-1.83E-08	-1.84E-08	-1.01E-08	-1.01E-08	-1.01E-08	-1.01E-08	-1.01E-08	-1.35E-08
URI (ΔCDF)	2.29E-08	2.29E-08	1.61E-08	1.61E-08	1.61E-08	1.61E-08	1.61E-08	-2.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.60E-09**	**4.50E-09**	**6.00E-09**	**6.00E-09**	**6.00E-09**	**6.00E-09**	**6.00E-09**	**-4.20E-08**

Licensee Comments:

3Q/16: 2B RHR Planned Unavailable Hours 9/20/16 from 8:58 to 19:20 for work on 2-1001-34B. 9/22/16 from 8:25 to 9/23/16 from 3:30 for QCOS 1000-44 B Loop logic test.

2Q/15: Changed PRA Parameter(s). 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/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	-8.13E-09	-9.28E-09	-4.59E-09	-8.88E-09	-8.88E-09	-2.44E-10	-5.83E-12	4.89E-09
URI (ΔCDF)	-5.47E-10	-5.47E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.70E-09**	**-9.80E-09**	**-4.70E-09**	**-9.00E-09**	**-9.00E-09**	**-3.90E-10**	**-1.50E-10**	**4.80E-09**

Licensee Comments:

3Q/16: 2B RHRSW 9/22/16 from 8:25 to 9/23/16 from 3:30 for QCOS 1000-44 B Loop logic test.

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**
Maximum activity	0.000012	0.000014	0.000012	0.000014	0.000011	0.000011	0.000010	0.000007	0.000007	0.000007	0.000014	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	**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	0.000012	0.000012	0.000011	0.000010	0.000012	0.000011	0.000008	0.000007	0.000006	0.000006	0.000018	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

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	2.235	2.250	2.190	2.178	2.188	2.211	2.228	2.159	2.067	2.064	2.403	2.492
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.9**	**9.0**	**8.8**	**8.7**	**8.8**	**8.8**	**8.9**	**8.6**	**8.3**	**8.3**	**9.6**	**10.0**
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	2.237	2.210	2.123	2.165	2.119	1.897	1.615	1.751	1.765	1.768	1.806	1.851
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.9**	**8.8**	**8.5**	**8.7**	**8.5**	**7.6**	**6.5**	**7.0**	**7.1**	**7.1**	**7.2**	**7.4**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful opportunities	22.0	28.0	51.0	25.0	33.0	35.0	70.0	34.0
Total opportunities	22.0	28.0	52.0	26.0	33.0	35.0	70.0	36.0
Indicator value	**96.9%**	**97.0%**	**96.7%**	**97.0%**	**97.1%**	**97.3%**	**97.7%**	**98.7%**

Licensee Comments:

3Q/15: 2015-09 changed successful drills from 13 to 17 and changed total drills from 14 to 18.

2Q/15: 2015-05 changed successful drills from 13 to 16 and total drills from 13 to 16.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Participating Key personnel	75.0	76.0	73.0	72.0	73.0	74.0	76.0	85.0
Total Key personnel	75.0	76.0	73.0	72.0	73.0	74.0	76.0	85.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful siren-tests	2686	2641	2680	2725	2686	2687	2687	2682
Total sirens-tests	2688	2646	2688	2730	2688	2688	2688	2688
Indicator value	**99.9%**	**99.9%**	**99.8%**	**99.8%**	**99.8%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
High radiation area occurrences	0	0	0	0	0	0	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

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

Quad Cities 2

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	2184.0	2208.0	2209.0	1919.9	2032.3	2208.0	2209.0
Indicator value	**0.9**	**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	1.0	0	0	1.0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	1919.9	2032.3	2208.0	2209.0
Indicator value	**0.9**	**0.8**	**1.6**	**1.6**	**1.6**	**1.7**	**0.8**	**0.8**

Licensee Comments:

3Q/15: U-2 Recirculation Pump trip greater than 20%

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	**1.0**	**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	1	0	1	0	1	0	0	0
Indicator value	**1**	**1**	**2**	**2**	**2**	**2**	**1**	**1**

Licensee Comments:

1Q/16: LER 254/2015-010-00, Loss of Control Room Emergency Ventilation System Due to Differential Pressure Switch Failure

3Q/15: LER 254/2015-009-00, Loss of Control Room Emergency Ventilation System Due to Air Filtration Unit Damper Failure (affects Units 1 and 2)

1Q/15: LER 254/2104-005-00, Main Control Room Door Unable to Close Causes Loss of Control Room Envelope Boundary (affects BOTH units)

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)	5.40E-08	5.00E-08	6.37E-08	7.35E-08	6.75E-08	7.24E-08	7.76E-08	6.18E-08
URI (ΔCDF)	-1.14E-08	-6.81E-08	-6.78E-08	-6.86E-08	-6.64E-08	-6.86E-08	-6.81E-08	-6.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.30E-08**	**-1.80E-08**	**-4.10E-09**	**4.80E-09**	**1.10E-09**	**3.80E-09**	**9.50E-09**	**-7.10E-09**

Licensee Comments:

3Q/16: Planed Unavailable Hours 1/2 -6601 Planned maintenance windows on the Unit 1 and Unit 1/2 EDGs and supporting systems. Speed Switch replacement on Unit 1/2.

4Q/15: Error in original submittal.

3Q/15: Error in original submittal.

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

2Q/15: Changed PRA Parameter(s).

1Q/15: Error in original submittal. Two successful starts of the Unit 0 EDG were accounted for when three actually occurred.

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)	1.24E-08	2.74E-08	2.60E-08	3.28E-08	2.46E-08	3.51E-08	3.34E-08	3.39E-08
URI (ΔCDF)	-1.43E-08	-1.63E-08	-1.63E-08	-1.63E-08	-1.63E-08	-1.86E-08	-1.86E-08	-1.86E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.90E-09**	**1.10E-08**	**9.70E-09**	**1.60E-08**	**8.30E-09**	**1.60E-08**	**1.50E-08**	**1.50E-08**

Licensee Comments:

3Q/16: 2-2302 Planned Unavailable Hours QCIS 0200-86, QCIS 0200-87 and U-2 HPCI Work Window

2Q/15: Changed PRA Parameter(s). 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)	1.23E-09	6.44E-09	7.37E-09	2.11E-09	3.51E-09	3.90E-09	2.98E-09	2.14E-09
URI (ΔCDF)	-1.45E-08	-1.35E-08	-1.35E-08	-1.30E-08	-1.30E-08	-1.44E-08	-1.44E-08	-1.44E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-7.00E-09**	**-6.10E-09**	**-1.10E-08**	**-9.50E-09**	**-1.00E-08**	**-1.10E-08**	**-1.20E-08**

Licensee Comments:

3Q/16: Planned Unavailable Hours 2-1302 QCIS 0200-86, QCIS 0200-87 and U-2 RCIC Work Window.

2Q/15: Changed PRA Parameter(s). 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)	-1.84E-08	-1.01E-08	-1.01E-08	-1.01E-08	-1.01E-08	-1.01E-08	-1.35E-08	-1.35E-08
URI (ΔCDF)	2.29E-08	1.61E-08	1.61E-08	1.61E-08	1.61E-08	1.61E-08	-2.89E-08	-2.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.50E-09**	**6.00E-09**	**6.00E-09**	**6.00E-09**	**6.00E-09**	**6.00E-09**	**-4.20E-08**	**-4.20E-08**

Licensee Comments:

3Q/16: 2B RHR Planned Unavailable Hours 9/20/16 from 8:58 to 19:20 for work on 2-1001-34B. 9/22/16 from 8:25 to 9/23/16 from 3:30 for QCOS 1000-44 B Loop logic test.

2Q/15: Changed PRA Parameter(s). 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)	-9.28E-09	-4.59E-09	-8.88E-09	-8.88E-09	-2.44E-10	-5.83E-12	4.89E-09	4.89E-09
URI (ΔCDF)	-5.47E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.80E-09**	**-4.70E-09**	**-9.00E-09**	**-9.00E-09**	**-3.90E-10**	**-1.50E-10**	**4.80E-09**	**4.80E-09**

Licensee Comments:

3Q/16: 2B RHRSW 9/22/16 from 8:25 to 9/23/16 from 3:30 for QCOS 1000-44 B Loop logic test.

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

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	0.000014	0.000011	0.000011	0.000010	0.000007	0.000007	0.000007	0.000014	0.000011	0.000012	0.000012	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	**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	0.000010	0.000012	0.000011	0.000008	0.000007	0.000006	0.000006	0.000018	0.000020	0.000010	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	**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	2.178	2.188	2.211	2.228	2.159	2.067	2.064	2.403	2.492	2.237	2.210	2.123
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.7**	**8.8**	**8.8**	**8.9**	**8.6**	**8.3**	**8.3**	**9.6**	**10.0**	**8.9**	**8.8**	**8.5**
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	2.165	2.119	1.897	1.615	1.751	1.765	1.768	1.806	1.851	1.913	1.992	1.913
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.7**	**8.5**	**7.6**	**6.5**	**7.0**	**7.1**	**7.1**	**7.2**	**7.4**	**7.7**	**8.0**	**7.7**

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	28.0	51.0	25.0	33.0	35.0	70.0	34.0	42.0
Total opportunities	28.0	52.0	26.0	33.0	35.0	70.0	36.0	42.0
Indicator value	**97.0%**	**96.7%**	**97.0%**	**97.1%**	**97.3%**	**97.7%**	**98.7%**	**98.8%**

Licensee Comments:

3Q/15: 2015-09 changed successful drills from 13 to 17 and changed total drills from 14 to 18.

2Q/15: 2015-05 changed successful drills from 13 to 16 and total drills from 13 to 16.

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	76.0	73.0	72.0	73.0	74.0	76.0	85.0	86.0
Total Key personnel	76.0	73.0	72.0	73.0	74.0	76.0	85.0	86.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful siren-tests	2641	2680	2725	2686	2687	2687	2682	2604
Total sirens-tests	2646	2688	2730	2688	2688	2688	2688	2604
Indicator value	**99.9%**	**99.8%**	**99.8%**	**99.8%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

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

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/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

Quad Cities 2 – 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)
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- 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	2184.0	2208.0	2209.0	1919.9	2032.3	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned power changes	1.0	1.0	0	0	1.0	0	0	0
Critical hours	2184.0	2208.0	2209.0	1919.9	2032.3	2208.0	2209.0	2159.0
Indicator value	**0.8**	**1.6**	**1.6**	**1.6**	**1.7**	**0.8**	**0.8**	**0.8**

TOP

Licensee Comments:
3Q/15: U-2 Recirculation Pump trip greater than 20%

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**

TOP

Licensee Comments: none

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	1	0	0	0	0
Indicator value	**1**	**2**	**2**	**2**	**2**	**1**	**1**	**0**

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Licensee Comments:
1Q/16: LER 254/2015-010-00, Loss of Control Room Emergency Ventilation System Due to Differential Pressure Switch Failure
3Q/15: LER 254/2015-009-00, Loss of Control Room Emergency Ventilation System Due to Air Filtration Unit Damper Failure (affects Units 1 and 2)

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)	5.00E-08	6.37E-08	7.35E-08	6.75E-08	7.24E-08	7.76E-08	6.18E-08	6.93E-08
URI (ΔCDF)	-6.81E-08	-6.78E-08	-6.86E-08	-6.64E-08	-6.86E-08	-6.81E-08	-6.89E-08	-6.91E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.80E-08**	**-4.10E-09**	**4.80E-09**	**1.10E-09**	**3.80E-09**	**9.50E-09**	**-7.10E-09**	**2.30E-10**

TOP

Licensee Comments:
3Q/16: Planed Unavailable Hours 1/2 -6601 Planned maintenance windows on the Unit 1 and Unit 1/2 EDGs and supporting systems. Speed Switch replacement on Unit 1/2.
4Q/15: Error in original submittal.
3Q/15: Error in original submittal.
2Q/15: Changed PRA Parameter(s).
2Q/15: Changed PRA Parameter(s). 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/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	2.74E-08	2.60E-08	3.28E-08	2.46E-08	3.51E-08	3.34E-08	3.39E-08	3.71E-08
URI (ΔCDF)	-1.63E-08	-1.63E-08	-1.63E-08	-1.63E-08	-1.86E-08	-1.86E-08	-1.86E-08	-1.86E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-08**	**9.70E-09**	**1.60E-08**	**8.30E-09**	**1.60E-08**	**1.50E-08**	**1.50E-08**	**1.80E-08**

TOP

Licensee Comments:
3Q/16: 2-2302 Planned Unavailable Hours QCIS 0200-86, QCIS 0200-87 and U-2 HPCI Work Window
2Q/15: Changed PRA Parameter(s). 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/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	6.44E-09	7.37E-09	2.11E-09	3.51E-09	3.90E-09	2.98E-09	2.14E-09	3.63E-09
URI (ΔCDF)	-1.35E-08	-1.35E-08	-1.30E-08	-1.30E-08	-1.44E-08	-1.44E-08	-1.44E-08	-1.44E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.00E-09**	**-6.10E-09**	**-1.10E-08**	**-9.50E-09**	**-1.00E-08**	**-1.10E-08**	**-1.20E-08**	**-1.10E-08**

TOP

Licensee Comments:
3Q/16: Planned Unavailable Hours 2-1302 QCIS 0200-86, QCIS 0200-87 and U-2 RCIC Work Window.
2Q/15: Changed PRA Parameter(s). 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)	-1.01E-08	-1.01E-08	-1.01E-08	-1.01E-08	-1.01E-08	-1.35E-08	-1.35E-08	-1.35E-08
URI (ΔCDF)	1.61E-08	1.61E-08	1.61E-08	1.61E-08	1.61E-08	-2.89E-08	-2.89E-08	-2.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.00E-09**	**6.00E-09**	**6.00E-09**	**6.00E-09**	**6.00E-09**	**-4.20E-08**	**-4.20E-08**	**-4.20E-08**

TOP

Licensee Comments:
3Q/16: 2B RHR Planned Unavailable Hours 9/20/16 from 8:58 to 19:20 for work on 2-1001-34B. 9/22/16 from 8:25 to 9/23/16 from 3:30 for QCOS 1000-44 B Loop logic test.
2Q/15: Changed PRA Parameter(s). 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)	-4.59E-09	-8.88E-09	-8.88E-09	-2.44E-10	-5.83E-12	4.89E-09	4.89E-09	4.89E-09
URI (ΔCDF)	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.70E-09**	**-9.00E-09**	**-9.00E-09**	**-3.90E-10**	**-1.50E-10**	**4.80E-09**	**4.80E-09**	**4.70E-09**

TOP

Licensee Comments:
3Q/16: 2B RHRSW 9/22/16 from 8:25 to 9/23/16 from 3:30 for QCOS 1000-44 B Loop logic test.
2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum activity	0.000010	0.000007	0.000007	0.000007	0.000014	0.000011	0.000012	0.000012	0.000011	0.000010	0.000012	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	0.000008	0.000007	0.000006	0.000006	0.000018	0.000020	0.000010	0.000010	0.000009	0.000012	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**

TOP

Licensee Comments: none

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	2.228	2.159	2.067	2.064	2.403	2.492	2.237	2.210	2.123	2.165	2.119	1.897
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.9**	**8.6**	**8.3**	**8.3**	**9.6**	**10.0**	**8.9**	**8.8**	**8.5**	**8.7**	**8.5**	**7.6**

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	1.615	1.751	1.765	1.768	1.806	1.851	1.913	1.992	1.913	1.922	1.979	2.001
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**7.0**	**7.1**	**7.1**	**7.2**	**7.4**	**7.7**	**8.0**	**7.7**	**7.7**	**7.9**	**8.0**

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	51.0	25.0	33.0	35.0	70.0	34.0	42.0	92.0
Total opportunities	52.0	26.0	33.0	35.0	70.0	36.0	42.0	92.0
Indicator value	**96.7%**	**97.0%**	**97.1%**	**97.3%**	**97.7%**	**98.7%**	**98.8%**	**99.0%**

TOP

Licensee Comments:
3Q/15: 2015-09 changed successful drills from 13 to 17 and changed total drills from 14 to 18.
2Q/15: 2015-05 changed successful drills from 13 to 16 and total drills from 13 to 16.

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	73.0	72.0	73.0	74.0	76.0	85.0	86.0	87.0
Total Key personnel	73.0	72.0	73.0	74.0	76.0	85.0	86.0	87.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful siren-tests	2680	2725	2686	2687	2687	2682	2604	2729
Total sirens-tests	2688	2730	2688	2688	2688	2688	2604	2730
Indicator value	**99.8%**	**99.8%**	**99.8%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

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	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**

TOP

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Current data as of: May 5, 2017

Page Last Reviewed/Updated Wednesday, June 07, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Quad Cities 2 – 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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- 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	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	1919.9	2032.3	2208.0	2209.0	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	1.0	0	0	1.0	0	0	0	0
Critical hours	2208.0	2209.0	1919.9	2032.3	2208.0	2209.0	2159.0	2184.0
Indicator value	**1.6**	**1.6**	**1.6**	**1.7**	**0.8**	**0.8**	**0.8**	**0**

TOP

Licensee Comments:
3Q/15: U-2 Recirculation Pump trip greater than 20%

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

Thresholds: White > 6.0

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	1	0	0	0	0	0
Indicator value	**2**	**2**	**2**	**2**	**1**	**1**	**0**	**0**

TOP

Licensee Comments:
1Q/16: LER 254/2015-010-00, Loss of Control Room Emergency Ventilation System Due to Differential Pressure Switch Failure
3Q/15: LER 254/2015-009-00, Loss of Control Room Emergency Ventilation System Due to Air Filtration Unit Damper Failure (affects Units 1 and 2)

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	6.37E-08	7.35E-08	6.75E-08	7.24E-08	7.76E-08	6.18E-08	6.93E-08	7.81E-08
URI (ΔCDF)	-6.78E-08	-6.86E-08	-6.64E-08	-6.86E-08	-6.81E-08	-6.89E-08	-6.91E-08	-6.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.10E-09**	**4.80E-09**	**1.10E-09**	**3.80E-09**	**9.50E-09**	**-7.10E-09**	**2.30E-10**	**1.20E-08**

TOP

Licensee Comments:
3Q/16: Planed Unavailable Hours 1/2 -6601 Planned maintenance windows on the Unit 1 and Unit 1/2 EDGs and supporting systems. Speed Switch replacement on Unit 1/2.
4Q/15: Error in original submittal.
3Q/15: Error in original submittal.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	2.60E-08	3.28E-08	2.46E-08	3.51E-08	3.34E-08	3.39E-08	3.71E-08	3.74E-08
URI (ΔCDF)	-1.63E-08	-1.63E-08	-1.63E-08	-1.86E-08	-1.86E-08	-1.86E-08	-1.86E-08	-1.79E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.70E-09**	**1.60E-08**	**8.30E-09**	**1.60E-08**	**1.50E-08**	**1.50E-08**	**1.80E-08**	**1.90E-08**

TOP

Licensee Comments:
3Q/16: 2-2302 Planned Unavailable Hours QCIS 0200-86, QCIS 0200-87 and U-2 HPCI Work Window

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)	7.37E-09	2.11E-09	3.51E-09	3.90E-09	2.98E-09	2.14E-09	3.63E-09	4.46E-09
URI (ΔCDF)	-1.35E-08	-1.30E-08	-1.30E-08	-1.44E-08	-1.44E-08	-1.44E-08	-1.44E-08	-1.25E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.10E-09**	**-1.10E-08**	**-9.50E-09**	**-1.00E-08**	**-1.10E-08**	**-1.20E-08**	**-1.10E-08**	**-8.10E-09**

TOP

Licensee Comments:
3Q/16: Planned Unavailable Hours 2-1302 QCIS 0200-86, QCIS 0200-87 and U-2 RCIC Work Window.

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)	-1.01E-08	-1.01E-08	-1.01E-08	-1.01E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08
URI (ΔCDF)	1.61E-08	1.61E-08	1.61E-08	1.61E-08	-2.89E-08	-2.89E-08	-2.89E-08	-2.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.00E-09**	**6.00E-09**	**6.00E-09**	**6.00E-09**	**-4.20E-08**	**-4.20E-08**	**-4.20E-08**	**-4.20E-08**

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Licensee Comments:
3Q/16: 2B RHR Planned Unavailable Hours 9/20/16 from 8:58 to 19:20 for work on 2-1001-34B. 9/22/16 from 8:25 to 9/23/16 from 3:30 for QCOS 1000-44 B Loop logic test.

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)	-8.88E-09	-8.88E-09	-2.44E-10	-5.83E-12	4.89E-09	4.89E-09	4.89E-09	3.29E-09
URI (ΔCDF)	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.00E-09**	**-9.00E-09**	**-3.90E-10**	**-1.50E-10**	**4.80E-09**	**4.80E-09**	**4.70E-09**	**3.10E-09**

TOP

Licensee Comments:
3Q/16: 2B RHRSW 9/22/16 from 8:25 to 9/23/16 from 3:30 for QCOS 1000-44 B Loop logic test.

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	0.000007	0.000014	0.000011	0.000012	0.000012	0.000011	0.000010	0.000012	0.000011	0.000008	0.000007	0.000006
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	0.000006	0.000018	0.000020	0.000010	0.000010	0.000009	0.000012	0.000010	0.000009	0.000009	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**	**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	2.064	2.403	2.492	2.237	2.210	2.123	2.165	2.119	1.897	1.615	1.751	1.765
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.3**	**9.6**	**10.0**	**8.9**	**8.8**	**8.5**	**8.7**	**8.5**	**7.6**	**6.5**	**7.0**	**7.1**

Reactor Coolant System Leakage	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17
Maximum leakage	1.768	1.806	1.851	1.913	1.992	1.913	1.922	1.979	2.001	1.999	2.006	2.037
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.1**	**7.2**	**7.4**	**7.7**	**8.0**	**7.7**	**7.7**	**7.9**	**8.0**	**8.0**	**8.0**	**8.1**

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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	25.0	33.0	35.0	70.0	34.0	42.0	92.0	37.0
Total opportunities	26.0	33.0	35.0	70.0	36.0	42.0	92.0	37.0
Indicator value	**97.0%**	**97.1%**	**97.3%**	**97.7%**	**98.7%**	**98.8%**	**99.0%**	**99.2%**

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Licensee Comments:
3Q/15: 2015-09 changed successful drills from 13 to 17 and changed total drills from 14 to 18.

Notes

ERO Drill Participation	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Participating Key personnel	72.0	73.0	74.0	76.0	85.0	86.0	87.0	85.0
Total Key personnel	72.0	73.0	74.0	76.0	85.0	86.0	87.0	85.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

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Licensee Comments: none

Notes

Alert & Notification System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful siren-tests	2725	2686	2687	2687	2682	2604	2729	2686
Total sirens-tests	2730	2688	2688	2688	2688	2604	2730	2688
Indicator value	**99.8%**	**99.8%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

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Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
High radiation area occurrences	0	0	0	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**

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Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Current data as of: July 26, 2017

Page Last Reviewed/Updated Wednesday, June 07, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Quad Cities 2 – Quarterly Performance Indicators

3Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- 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	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	1919.9	2032.3	2208.0	2209.0	2159.0	2184.0	2076.5
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	1.0	0	0	0	0	0
Critical hours	2209.0	1919.9	2032.3	2208.0	2209.0	2159.0	2184.0	2076.5
Indicator value	**1.6**	**1.6**	**1.7**	**0.8**	**0.8**	**0.8**	**0**	**0**

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Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

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	1	0	0	0	0	0	0
Indicator value	**2**	**2**	**2**	**1**	**1**	**0**	**0**	**0**

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Licensee Comments:
3Q/17: August 2017 Unit 2 - 09/01/17 QCIS 0200-86 SDTC 08/10/2017 10:00 08/10/2017 10:24 09/01/2017 QCIS 0200-86 SDTC 8/10/2017 10:00 8/10/2017 10:24
1Q/16: LER 254/2015-010-00, Loss of Control Room Emergency Ventilation System Due to Differential Pressure Switch Failure

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)	7.35E-08	6.75E-08	7.24E-08	7.76E-08	6.18E-08	6.93E-08	7.81E-08	9.58E-08
URI (ΔCDF)	-6.86E-08	-6.64E-08	-6.86E-08	-6.81E-08	-6.89E-08	-6.91E-08	-6.65E-08	-6.63E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.80E-09**	**1.10E-09**	**3.80E-09**	**9.50E-09**	**-7.10E-09**	**2.30E-10**	**1.20E-08**	**2.90E-08**

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Licensee Comments:
3Q/16: Planed Unavailable Hours 1/2 -6601 Planned maintenance windows on the Unit 1 and Unit 1/2 EDGs and supporting systems. Speed Switch replacement on Unit 1/2.
4Q/15: Error in original submittal.

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)	3.28E-08	2.46E-08	3.51E-08	3.34E-08	3.39E-08	3.71E-08	3.74E-08	3.38E-08
URI (ΔCDF)	-1.63E-08	-1.63E-08	-1.86E-08	-1.86E-08	-1.86E-08	-1.86E-08	-1.79E-08	-1.79E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.60E-08**	**8.30E-09**	**1.60E-08**	**1.50E-08**	**1.50E-08**	**1.80E-08**	**1.90E-08**	**1.60E-08**

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Licensee Comments:
3Q/16: 2-2302 Planned Unavailable Hours QCIS 0200-86, QCIS 0200-87 and U-2 HPCI Work Window

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)	2.11E-09	3.51E-09	3.90E-09	2.98E-09	2.14E-09	3.63E-09	4.46E-09	4.60E-09
URI (ΔCDF)	-1.30E-08	-1.30E-08	-1.44E-08	-1.44E-08	-1.44E-08	-1.44E-08	-1.25E-08	-1.25E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-08**	**-9.50E-09**	**-1.00E-08**	**-1.10E-08**	**-1.20E-08**	**-1.10E-08**	**-8.10E-09**	**-7.90E-09**

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Licensee Comments:
3Q/16: Planned Unavailable Hours 2-1302 QCIS 0200-86, QCIS 0200-87 and U-2 RCIC Work Window.

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)	-1.01E-08	-1.01E-08	-1.01E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08
URI (ΔCDF)	1.61E-08	1.61E-08	1.61E-08	-2.89E-08	-2.89E-08	-2.89E-08	-2.89E-08	-2.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.00E-09**	**6.00E-09**	**6.00E-09**	**-4.20E-08**	**-4.20E-08**	**-4.20E-08**	**-4.20E-08**	**-4.20E-08**

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Licensee Comments:
3Q/16: 2B RHR Planned Unavailable Hours 9/20/16 from 8:58 to 19:20 for work on 2-1001-34B. 9/22/16 from 8:25 to 9/23/16 from 3:30 for QCOS 1000-44 B Loop logic test.

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)	-8.88E-09	-2.44E-10	-5.83E-12	4.89E-09	4.89E-09	4.89E-09	3.29E-09	-5.63E-09
URI (ΔCDF)	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.00E-09**	**-3.90E-10**	**-1.50E-10**	**4.80E-09**	**4.80E-09**	**4.70E-09**	**3.10E-09**	**-5.80E-09**

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Licensee Comments:
3Q/16: 2B RHRSW 9/22/16 from 8:25 to 9/23/16 from 3:30 for QCOS 1000-44 B Loop logic test.

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	0.000012	0.000012	0.000011	0.000010	0.000012	0.000011	0.000008	0.000007	0.000006	0.000006	0.000018	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	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Maximum activity	0.000010	0.000010	0.000009	0.000012	0.000010	0.000009	0.000009	0.000010	0.000010	0.000010	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**

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	2.237	2.210	2.123	2.165	2.119	1.897	1.615	1.751	1.765	1.768	1.806	1.851
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.9**	**8.8**	**8.5**	**8.7**	**8.5**	**7.6**	**6.5**	**7.0**	**7.1**	**7.1**	**7.2**	**7.4**

Reactor Coolant System Leakage	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Maximum leakage	1.913	1.992	1.913	1.922	1.979	2.001	1.999	2.006	2.037	2.095	2.121	2.111
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.7**	**8.0**	**7.7**	**7.7**	**7.9**	**8.0**	**8.0**	**8.0**	**8.1**	**8.4**	**8.5**	**8.4**

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	33.0	35.0	70.0	34.0	42.0	92.0	37.0	23.0
Total opportunities	33.0	35.0	70.0	36.0	42.0	92.0	37.0	23.0
Indicator value	**97.1%**	**97.3%**	**97.7%**	**98.7%**	**98.8%**	**99.0%**	**99.2%**	**99.5%**

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	73.0	74.0	76.0	85.0	86.0	87.0	85.0	81.0
Total Key personnel	73.0	74.0	76.0	85.0	86.0	87.0	85.0	81.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Successful siren-tests	2686	2687	2687	2682	2604	2729	2686	2641
Total sirens-tests	2688	2688	2688	2688	2604	2730	2688	2646
Indicator value	**99.8%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

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	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**

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

Quad Cities 2 – Quarterly Performance Indicators

4Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1919.9	2032.3	2208.0	2209.0	2159.0	2184.0	2076.5	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	1.0	0	0	0	0	0	0
Critical hours	1919.9	2032.3	2208.0	2209.0	2159.0	2184.0	2076.5	2209.0
Indicator value	**1.6**	**1.7**	**0.8**	**0.8**	**0.8**	**0**	**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**

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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	1	0	0	0	0	0	0	1
Indicator value	**2**	**2**	**1**	**1**	**0**	**0**	**0**	**1**

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Licensee Comments:
4Q/17: LER 254/2017-003-00, Control Room Emergency Ventilation Air Conditioning Piping Refrigerant Leak Due to High Cycle Fatigue (affects Units 1 and 2)
3Q/17: August 2017 Unit 2 - 09/01/17 QCIS 0200-86 SDTC 08/10/2017 10:00 08/10/2017 10:24 09/01/2017 QCIS 0200-86 SDTC 8/10/2017 10:00 8/10/2017 10:24
1Q/16: LER 254/2015-010-00, Loss of Control Room Emergency Ventilation System Due to Differential Pressure Switch Failure

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	6.75E-08	7.24E-08	7.76E-08	6.18E-08	6.93E-08	7.81E-08	9.58E-08	1.07E-07
URI (ΔCDF)	-6.64E-08	-6.86E-08	-6.81E-08	-6.89E-08	-6.91E-08	-6.65E-08	-6.63E-08	-6.57E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-09**	**3.80E-09**	**9.50E-09**	**-7.10E-09**	**2.30E-10**	**1.20E-08**	**2.90E-08**	**4.10E-08**

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Licensee Comments:
3Q/16: Planed Unavailable Hours 1/2 -6601 Planned maintenance windows on the Unit 1 and Unit 1/2 EDGs and supporting systems. Speed Switch replacement on Unit 1/2.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	2.46E-08	3.51E-08	3.34E-08	3.39E-08	3.71E-08	3.74E-08	3.38E-08	2.92E-08
URI (ΔCDF)	-1.63E-08	-1.86E-08	-1.86E-08	-1.86E-08	-1.86E-08	-1.79E-08	-1.79E-08	-1.79E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.30E-09**	**1.60E-08**	**1.50E-08**	**1.50E-08**	**1.80E-08**	**1.90E-08**	**1.60E-08**	**1.10E-08**

TOP

Licensee Comments:
3Q/16: 2-2302 Planned Unavailable Hours QCIS 0200-86, QCIS 0200-87 and U-2 HPCI Work Window

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)	3.51E-09	3.90E-09	2.98E-09	2.14E-09	3.63E-09	4.46E-09	4.60E-09	1.98E-09
URI (ΔCDF)	-1.30E-08	-1.44E-08	-1.44E-08	-1.44E-08	-1.44E-08	-1.25E-08	-1.25E-08	-1.25E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.50E-09**	**-1.00E-08**	**-1.10E-08**	**-1.20E-08**	**-1.10E-08**	**-8.10E-09**	**-7.90E-09**	**-1.10E-08**

TOP

Licensee Comments:
3Q/16: Planned Unavailable Hours 2-1302 QCIS 0200-86, QCIS 0200-87 and U-2 RCIC Work Window.

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)	-1.01E-08	-1.01E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08
URI (ΔCDF)	1.61E-08	1.61E-08	-2.89E-08	-2.89E-08	-2.89E-08	-2.89E-08	-2.89E-08	-2.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.00E-09**	**6.00E-09**	**-4.20E-08**	**-4.20E-08**	**-4.20E-08**	**-4.20E-08**	**-4.20E-08**	**-4.20E-08**

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Licensee Comments:
3Q/16: 2B RHR Planned Unavailable Hours 9/20/16 from 8:58 to 19:20 for work on 2-1001-34B. 9/22/16 from 8:25 to 9/23/16 from 3:30 for QCOS 1000-44 B Loop logic test.

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)	-2.44E-10	-5.83E-12	4.89E-09	4.89E-09	4.89E-09	3.29E-09	-5.63E-09	-5.63E-09
URI (ΔCDF)	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10	-1.44E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.90E-10**	**-1.50E-10**	**4.80E-09**	**4.80E-09**	**4.70E-09**	**3.10E-09**	**-5.80E-09**	**-5.80E-09**

TOP

Licensee Comments:
3Q/16: 2B RHRSW 9/22/16 from 8:25 to 9/23/16 from 3:30 for QCOS 1000-44 B Loop logic test.

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	0.000010	0.000012	0.000011	0.000008	0.000007	0.000006	0.000006	0.000018	0.000020	0.000010	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	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	0.000012	0.000010	0.000009	0.000009	0.000010	0.000010	0.000010	0.000009	0.000010	0.000011	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	**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	2.165	2.119	1.897	1.615	1.751	1.765	1.768	1.806	1.851	1.913	1.992	1.913
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.7**	**8.5**	**7.6**	**6.5**	**7.0**	**7.1**	**7.1**	**7.2**	**7.4**	**7.7**	**8.0**	**7.7**

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	1.922	1.979	2.001	1.999	2.006	2.037	2.095	2.121	2.111	2.248	2.249	2.144
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.7**	**7.9**	**8.0**	**8.0**	**8.0**	**8.1**	**8.4**	**8.5**	**8.4**	**9.0**	**9.0**	**8.6**

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	35.0	70.0	34.0	42.0	92.0	37.0	23.0	22.0
Total opportunities	35.0	70.0	36.0	42.0	92.0	37.0	23.0	22.0
Indicator value	**97.3%**	**97.7%**	**98.7%**	**98.8%**	**99.0%**	**99.2%**	**99.5%**	**99.4%**

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	74.0	76.0	85.0	86.0	87.0	85.0	81.0	83.0
Total Key personnel	74.0	76.0	85.0	86.0	87.0	85.0	81.0	83.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Notes

Alert & Notification System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful siren-tests	2687	2687	2682	2604	2729	2686	2641	2644
Total sirens-tests	2688	2688	2688	2604	2730	2688	2646	2646
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

TOP

Licensee Comments: none

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

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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

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Current data as of: February 1, 2018

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