Quad Cities 1

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	1.0	0	0	0
Critical hours	2160.0	1668.6	2208.0	2209.0	2184.0
Indicator value	**2.1**	**1.9**	**0.9**	**0.8**	**0.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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	1.0	0	0	0
Critical hours	2160.0	1668.6	2208.0	2209.0	2184.0
Indicator value	**1.1**	**1.9**	**0.9**	**0.8**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	29.50	62.80	31.30	15.04	48.10
Unplanned unavailable hours	0	0	32.00	0	4.17
Fault exposure hours	0	0	127.80	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1947.60	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	27.20	22.60	103.70	14.20	12.46
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	2160.00	1947.60	2208.00	2209.00	2184.00
Indicator value	**1.7%**	**1.8%**	**2.4%**	**2.1%**	**1.9%**

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	11.79	4.83	11.13	79.87	45.21
Unplanned unavailable hours	0	0	16.25	30.20	33.85
Fault exposure hours	0	0	1451.40	2099.00	1889.40
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1668.60	2208.00	2209.00	2184.00
Indicator value	**3.0%**	**2.8%**	**9.8%**	**20.5%**	**28.7%**

Licensee Comments:

1Q/00: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

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4Q/99: The submittal for this reporting period updates system unavailable hours. As a result of ongoing reviews, it was identified that there are additional unavailability hours associated with the performance of surveillance testing on support systems. This review covered all of 1999. The results of this review indicate that historical data for 1997 and 1998 is representative of system performance. Unit 1 High Pressure Coolant

Injection System changes total 11.3 hours for the months of January 1999 through September 1999. Changes to unavailable hours are less than 0.2% and do not impact the color. * Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator.

4Q/99: The submittal for this reporting period updates system unavailable hours. As a result of ongoing reviews, it was identified that there are additional unavailability hours associated with the performance of surveillance testing on support systems. This review covered all of 1999. The results of this review indicate that historical data for 1997 and 1998 is representative of system performance. Unit 1 High Pressure Coolant Injection System changes total 11.3 hours for the months of January 1999 through September 1999. Changes to unavailable hours are less than 0.2% and do not impact the color. * Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

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3Q/99: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

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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	72.35	6.43	12.13	46.47	20.36
Unplanned unavailable hours	0	0	0	0	26.21
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1668.60	2208.00	2209.00	2184.00
Indicator value	**1.6%**	**1.5%**	**1.4%**	**1.6%**	**1.8%**

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/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	0	0	15.70	30.80	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	0	0	16.20	31.30	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Safety System Functional Failures	0	0	0	3	2
Indicator value	**3**	**3**	**1**	**3**	**5**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum activity	0.000076	0.000094	0.000089	0.000215	0.000124	0.000152	0.000095	0.000133	0.000123	0.000096	0.000085	0.000085
Technical specification limit	0.2	0.2	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**	**0.1**	**0.1**	**0.1**	**0**	**0.1**	**0.1**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	1.600	1.600	1.500	1.590	1.550	1.640	1.720	1.670	1.750	1.780	1.790	1.780
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	**8.0**	**8.0**	**7.5**	**6.4**	**6.2**	**6.6**	**6.9**	**6.7**	**7.0**	**7.1**	**7.2**	**7.1**

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

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
IDS compensatory hours	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

Last Modified: April 1, 2002

Quad Cities 1

2Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned scrams	1.0	0	0	0	0
Critical hours	1668.6	2208.0	2209.0	2184.0	2183.0
Indicator value	**1.9**	**0.9**	**0.8**	**0.8**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned power changes	1.0	0	0	0	0
Critical hours	1668.6	2208.0	2209.0	2184.0	2183.0
Indicator value	**1.9**	**0.9**	**0.8**	**0.8**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	62.80	31.30	15.04	48.10	17.29
Unplanned unavailable hours	0	32.00	0	4.17	0
Fault exposure hours	0	127.80	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1947.60	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	22.60	103.70	14.20	12.46	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	1947.60	2208.00	2209.00	2184.00	2183.00
Indicator value	**1.8%**	**2.4%**	**2.1%**	**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)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	4.83	11.13	79.87	45.21	31.29
Unplanned unavailable hours	0	16.25	30.20	33.85	3.20
Fault exposure hours	0	1451.40	2099.00	1889.40	0
Effective Reset hours	0	0	0	0	0
Required hours	1668.60	2208.00	2209.00	2184.00	2183.00
Indicator value	**2.8%**	**9.8%**	**20.5%**	**28.7%**	**28.1%**

Licensee Comments:

2Q/00: This indicator is YELLOW. Fault exposure hours have been added to this performance indicator due to the failure of the Unit 1 HPCI aux oil pump to continue running on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Clarification of some aspects of this event are being pursued through the FAQ process.

1Q/00: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

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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	6.43	12.13	46.47	20.36	55.86
Unplanned unavailable hours	0	0	0	26.21	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1668.60	2208.00	2209.00	2184.00	2183.00
Indicator value	**1.5%**	**1.4%**	**1.6%**	**1.8%**	**1.6%**

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/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	0	15.70	30.80	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	0	16.20	31.30	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0

Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**0.4%**	**0.4%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Safety System Functional Failures	0	0	3	2	2
Indicator value	**3**	**1**	**3**	**5**	**7**

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.

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	0.000215	0.000124	0.000152	0.000095	0.000133	0.000123	0.000096	0.000085	0.000085	0.000081	0.000078	0.000101
Technical specification limit	0.2	0.2	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**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	1.590	1.550	1.640	1.720	1.670	1.750	1.780	1.790	1.780	1.880	1.900	1.900
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	**6.4**	**6.2**	**6.6**	**6.9**	**6.7**	**7.0**	**7.1**	**7.2**	**7.1**	**7.5**	**7.6**	**7.6**

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

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 1

3Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned scrams	0	0	0	0	0
Critical hours	2208.0	2209.0	2184.0	2183.0	2208.0
Indicator value	**0.9**	**0.8**	**0.8**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned power changes	0	0	0	0	0
Critical hours	2208.0	2209.0	2184.0	2183.0	2208.0
Indicator value	**0.9**	**0.8**	**0.8**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	31.30	15.04	48.10	17.29	8.46
Unplanned unavailable hours	32.00	0	4.17	0	0
Fault exposure hours	127.80	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	103.70	14.20	12.46	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	**2.4%**	**2.1%**	**1.9%**	**1.7%**	**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)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	11.13	79.87	45.21	31.29	102.84
Unplanned unavailable hours	16.25	30.20	33.85	3.20	0
Fault exposure hours	1451.40	2099.00	1889.40	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**9.8%**	**20.5%**	**28.7%**	**28.1%**	**28.5%**

Licensee Comments:

3Q/00: This indicator remains YELLOW. Fault exposure hours have been added to this performance indicator due to the failure of the Unit 1 HPCI aux oil pump to continue running on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Clarification of some aspects of this event is being pursued through the FAQ process. A self-assessment of the Mitigating Systems Cornerstone and a supplemental NRC Inspection have been performed. The conclusions and corrective actions that resulted are in the corrective action program.

1Q/00: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

1Q/00: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

4Q/99: The submittal for this reporting period updates system unavailable hours. As a result of ongoing reviews, it was identified that there are additional unavailability hours associated with the performance of surveillance testing on support systems. This review covered all of 1999. The

results of this review indicate that historical data for 1997 and 1998 is representative of system performance. Unit 1 High Pressure Coolant Injection System changes total 11.3 hours for the months of January 1999 through September 1999. Changes to unavailable hours are less than 0.2% and do not impact the color. * Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

4Q/99: The submittal for this reporting period updates system unavailable hours. As a result of ongoing reviews, it was identified that there are additional unavailability hours associated with the performance of surveillance testing on support systems. This review covered all of 1999. The results of this review indicate that historical data for 1997 and 1998 is representative of system performance. Unit 1 High Pressure Coolant Injection System changes total 11.3 hours for the months of January 1999 through September 1999. Changes to unavailable hours are less than 0.2% and do not impact the color. * Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

3Q/99: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

3Q/99: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

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	12.13	46.47	20.36	55.86	9.61
Unplanned unavailable hours	0	0	26.21	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	**1.4%**	**1.6%**	**1.8%**	**1.6%**	**1.6%**

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	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	15.70	30.80	0	0	27.37
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2					
Planned unavailable hours	16.20	31.30	0	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0

Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**0.4%**	**0.5%**	**0.5%**	**0.5%**	**0.6%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Safety System Functional Failures	0	3	2	2	0
Indicator value	**1**	**3**	**5**	**7**	**7**

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.

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	0.000095	0.000133	0.000123	0.000096	0.000085	0.000085	0.000081	0.000078	0.000101	0.000086	0.000080	0.000074
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**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	1.720	1.670	1.750	1.780	1.790	1.780	1.880	1.900	1.900	1.920	1.990	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	**6.9**	**6.7**	**7.0**	**7.1**	**7.2**	**7.1**	**7.5**	**7.6**	**7.6**	**7.7**	**8.0**	**8.0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful opportunities	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

Last Modified: March 29, 2002

Quad Cities 1

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	0	0	1.0
Critical hours	2209.0	2184.0	2183.0	2208.0	1712.3
Indicator value	**0.8**	**0.8**	**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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Scrams	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned power changes	0	0	0	0	2.0
Critical hours	2209.0	2184.0	2183.0	2208.0	1712.3
Indicator value	**0.8**	**0.8**	**0**	**0**	**1.7**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	15.04	48.10	17.29	8.46	46.68
Unplanned unavailable hours	0	4.17	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2					
Planned unavailable hours	14.20	12.46	11.32	69.70	63.03
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	**2.1%**	**1.9%**	**1.7%**	**1.8%**	**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/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	79.87	45.21	31.29	102.84	65.64
Unplanned unavailable hours	30.20	33.85	3.20	0	5.20
Fault exposure hours	2099.00	1889.40	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1712.30
Indicator value	**20.5%**	**28.7%**	**28.1%**	**28.5%**	**29.1%**

Licensee Comments:

4Q/00: This indicator remains YELLOW. Fault exposure hours have been added to this performance indicator due to the failure of the Unit 1 HPCI aux oil pump to continue running on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. A self-assessment of the Mitigating Systems Cornerstone and a supplemental NRC Inspection have been performed. The corrective actions that resulted are complete.

1Q/00: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

1Q/00: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

4Q/99: The submittal for this reporting period updates system unavailable hours. As a result of ongoing reviews, it was identified that there are additional unavailability hours associated with the performance of surveillance testing on support systems. This review covered all of 1999. The results of this review indicate that historical data for 1997 and 1998 is representative of system performance. Unit 1 High Pressure Coolant

Injection System changes total 11.3 hours for the months of January 1999 through September 1999. Changes to unavailable hours are less than 0.2% and do not impact the color. * Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

4Q/99: The submittal for this reporting period updates system unavailable hours. As a result of ongoing reviews, it was identified that there are additional unavailability hours associated with the performance of surveillance testing on support systems. This review covered all of 1999. The results of this review indicate that historical data for 1997 and 1998 is representative of system performance. Unit 1 High Pressure Coolant Injection System changes total 11.3 hours for the months of January 1999 through September 1999. Changes to unavailable hours are less than 0.2% and do not impact the color. * Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

3Q/99: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

3Q/99: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

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	46.47	20.36	55.86	9.61	6.91
Unplanned unavailable hours	0	26.21	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	1712.30
Indicator value	**1.6%**	**1.8%**	**1.6%**	**1.6%**	**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
Train 1					
Planned unavailable hours	30.80	0	0	27.37	7.10
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2					
Planned unavailable hours	31.30	0	0	0	2.15
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0

Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**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	2	2	0	1
Indicator value	**3**	**5**	**7**	**7**	**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 event is ongoing. {The abovementioned Safety System Functional Failure was withdrawn with the fourth quarter 2001 submittal per a subsequent NRC letter concerning Inspection Report 50-265/01-08.}

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 event 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	0.000096	0.000085	0.000085	0.000081	0.000078	0.000101	0.000086	0.000080	0.000074	0.000064	0.000057	0.000072
Technical specification limit	0.2	0.2	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**	**0.1**	**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	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	1.780	1.790	1.780	1.880	1.900	1.900	1.920	1.990	1.990	2.000	2.490	2.570
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	**7.1**	**7.2**	**7.1**	**7.5**	**7.6**	**7.6**	**7.7**	**8.0**	**8.0**	**8.0**	**10.0**	**10.3**

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 1

1Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned scrams	0	0	0	0	1.0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	1712.3	2160.0
Indicator value	**0.8**	**0.8**	**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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Scrams	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned power changes	0	0	0	0	2.0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	1712.3	2160.0
Indicator value	**0.8**	**0.8**	**0**	**0**	**1.7**	**1.7**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	15.04	48.10	17.29	8.46	46.68	35.25
Unplanned unavailable hours	0	4.17	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	14.20	12.46	11.32	69.70	63.03	37.35
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	**2.1%**	**1.9%**	**1.7%**	**1.8%**	**1.8%**	**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/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	79.87	45.21	31.29	102.84	65.64	10.45
Unplanned unavailable hours	30.20	33.85	3.20	0	5.20	0
Fault exposure hours	2099.00	1889.40	0	0	0	0
Effective Reset hours	0	0	0	0	0	5439.80
Required hours	2209.00	2184.00	2183.00	2208.00	1712.30	2160.00
Indicator value	**20.5%**	**28.7%**	**28.1%**	**28.5%**	**29.1%**	**2.9%**

Licensee Comments:

1Q/01: Fault exposure hours for the 3rd and 4th quarters of 1999 and the 1st quarter of 2000 have been removed in accordance with the guidance of NEI 99-02, revision 0. These 5439.8 hours were associated with the March 21, 2000, failure of the Unit 1 HPCI auxiliary oil pump. The corrective actions associated with the item to preclude recurrence of the condition have been completed. The NRC supplemental inspection has been completed (see IR 50-254(265)/2000013). No open issues resulted from that inspection. Therefore, in accordance with the guidance of NEI 99-02, revision 0, section 2.2, "Mitigating Systems Cornerstone," under "Clarifying Notes" and "Removing (Resetting) Fault Exposure Hours," these fault exposure hours have been removed from the indicator.

1Q/00: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

1Q/00: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

4Q/99: The submittal for this reporting period updates system unavailable hours. As a result of ongoing reviews, it was identified that there are

additional unavailability hours associated with the performance of surveillance testing on support systems. This review covered all of 1999. The results of this review indicate that historical data for 1997 and 1998 is representative of system performance. Unit 1 High Pressure Coolant Injection System changes total 11.3 hours for the months of January 1999 through September 1999. Changes to unavailable hours are less than 0.2% and do not impact the color. * Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

4Q/99: The submittal for this reporting period updates system unavailable hours. As a result of ongoing reviews, it was identified that there are additional unavailability hours associated with the performance of surveillance testing on support systems. This review covered all of 1999. The results of this review indicate that historical data for 1997 and 1998 is representative of system performance. Unit 1 High Pressure Coolant Injection System changes total 11.3 hours for the months of January 1999 through September 1999. Changes to unavailable hours are less than 0.2% and do not impact the color. * Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

3Q/99: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

3Q/99: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

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	46.47	20.36	55.86	9.61	6.91	43.32
Unplanned unavailable hours	0	26.21	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	1712.30	2160.00
Indicator value	**1.6%**	**1.8%**	**1.6%**	**1.6%**	**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
Train 1						
Planned unavailable hours	30.80	0	0	27.37	7.10	47.75
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	31.30	0	0	0	2.15	27.92

Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.6%**	**0.6%**	**0.7%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	**4Q/99**	**1Q/00**	**2Q/00**	**3Q/00**	**4Q/00**	**1Q/01**
Safety System Functional Failures	3	2	2	0	1	0
Indicator value	**3**	**5**	**7**	**7**	**5**	**3**

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 event is ongoing. {The abovementioned Safety System Functional Failure was withdrawn with the fourth quarter 2001 submittal per a subsequent NRC letter concerning Inspection Report 50-265/01-08.}

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 event 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	0.000095	0.000133	0.000123	0.000096	0.000085	0.000085	0.000081	0.000078	0.000101	0.000086	0.000080	0.000074
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000064	0.000057	0.000072	0.000043	0.000084	0.000044
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**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	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	1.720	1.670	1.750	1.780	1.790	1.780	1.880	1.900	1.900	1.920	1.990	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	**6.9**	**6.7**	**7.0**	**7.1**	**7.2**	**7.1**	**7.5**	**7.6**	**7.6**	**7.7**	**8.0**	**8.0**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	2.000	2.490	2.570	2.710	2.870	3.210
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.0**	**10.0**	**10.3**	**10.8**	**11.5**	**12.8**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful opportunities	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

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

Last Modified: March 28, 2002

Quad Cities 1

2Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned scrams	0	0	0	0	1.0	0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	1712.3	2160.0	2126.3
Indicator value	**0.8**	**0.8**	**0**	**0**	**0.8**	**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
Scrams	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned power changes	0	0	0	0	2.0	0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	1712.3	2160.0	2126.3
Indicator value	**0.8**	**0.8**	**0**	**0**	**1.7**	**1.7**	**1.7**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	15.04	48.10	17.29	8.46	46.68	35.25	15.30
Unplanned unavailable hours	0	4.17	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2							
Planned unavailable hours	14.20	12.46	11.32	69.70	63.03	37.35	54.20
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	**2.1%**	**1.9%**	**1.7%**	**1.8%**	**1.8%**	**1.8%**	**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)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	79.87	45.21	31.29	102.84	65.64	10.45	45.17
Unplanned unavailable hours	30.20	33.85	3.20	0	5.20	0	0
Fault exposure hours	2099.00	1889.40	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	5439.80	0
Required hours	2209.00	2184.00	2183.00	2208.00	1712.30	2160.00	2126.30
Indicator value	**20.5%**	**28.7%**	**28.1%**	**28.5%**	**29.1%**	**2.9%**	**2.9%**

Licensee Comments:

1Q/00: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

4Q/99: The submittal for this reporting period updates system unavailable hours. As a result of ongoing reviews, it was identified that there are additional unavailability hours associated with the performance of surveillance testing on support systems. This review covered all of 1999. The results of this review indicate that historical data for 1997 and 1998 is representative of system performance. Unit 1 High Pressure Coolant Injection System changes total 11.3 hours for the months of January 1999 through September 1999. Changes to unavailable hours are less than 0.2% and do not impact the color. * Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

3Q/99: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made

in April, 2001.

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	46.47	20.36	55.86	9.61	6.91	43.32	22.88
Unplanned unavailable hours	0	26.21	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	1712.30	2160.00	2126.30
Indicator value	**1.6%**	**1.8%**	**1.6%**	**1.6%**	**1.4%**	**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
Train 1							
Planned unavailable hours	30.80	0	0	27.37	7.10	47.75	0
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2							
Planned unavailable hours	31.30	0	0	0	2.15	27.92	0
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.6%**	**0.6%**	**0.7%**	**0.7%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Safety System Functional Failures	3	2	2	0	1	0	0
Indicator value	**3**	**5**	**7**	**7**	**5**	**3**	**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 event is ongoing. {The abovementioned Safety System Functional Failure was withdrawn with the fourth quarter 2001 submittal per a subsequent NRC letter concerning Inspection Report 50-265/01-08.}

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 event 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	0.000095	0.000133	0.000123	0.000096	0.000085	0.000085	0.000081	0.000078	0.000101	0.000086	0.000080	0.000074
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	0.000064	0.000057	0.000072	0.000043	0.000084	0.000044	0.000039	0.000063	0.000056
Technical specification limit	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**

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	1.720	1.670	1.750	1.780	1.790	1.780	1.880	1.900	1.900	1.920	1.990	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	**6.9**	**6.7**	**7.0**	**7.1**	**7.2**	**7.1**	**7.5**	**7.6**	**7.6**	**7.7**	**8.0**	**8.0**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	2.000	2.490	2.570	2.710	2.870	3.210	3.420	2.750	2.590
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**8.0**	**10.0**	**10.3**	**10.8**	**11.5**	**12.8**	**13.7**	**11.0**	**10.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	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 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

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

Last Modified: March 27, 2002

Quad Cities 1

3Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	1712.3	2160.0	2126.3	2208.0
Indicator value	**0.8**	**0.8**	**0**	**0**	**0.8**	**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/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned power changes	0	0	0	0	2.0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	1712.3	2160.0	2126.3	2208.0
Indicator value	**0.8**	**0.8**	**0**	**0**	**1.7**	**1.7**	**1.7**	**1.7**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	15.04	48.10	17.29	8.46	46.68	35.25	15.30	20.60
Unplanned unavailable hours	0	4.17	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	14.20	12.46	11.32	69.70	63.03	37.35	54.20	23.77
Unplanned unavailable hours	0	0	0	3.30	0	2.62	0	1.63
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**2.1%**	**1.9%**	**1.7%**	**1.8%**	**1.8%**	**1.8%**	**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)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	79.87	45.21	31.29	102.84	65.64	10.45	45.17	5.50
Unplanned unavailable hours	30.20	33.85	3.20	0	5.20	0	0	0
Fault exposure hours	2099.00	1889.40	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	5439.80	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1712.30	2160.00	2126.30	2208.00
Indicator value	**20.5%**	**28.7%**	**28.1%**	**28.5%**	**29.1%**	**2.9%**	**2.9%**	**2.6%**

Licensee Comments:

1Q/00: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

4Q/99: The submittal for this reporting period updates system unavailable hours. As a result of ongoing reviews, it was identified that there are additional unavailability hours associated with the performance of surveillance testing on support systems. This review covered all of 1999. The results of this review indicate that historical data for 1997 and 1998 is representative of system performance. Unit 1 High Pressure Coolant Injection System changes total 11.3 hours for the months of January 1999 through September 1999. Changes to unavailable hours are less than 0.2% and do not impact the color. * Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

3Q/99: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made

in April, 2001.

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	46.47	20.36	55.86	9.61	6.91	43.32	22.88	8.44
Unplanned unavailable hours	0	26.21	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	1712.30	2160.00	2126.30	2208.00
Indicator value	**1.6%**	**1.8%**	**1.6%**	**1.6%**	**1.4%**	**1.4%**	**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	30.80	0	0	27.37	7.10	47.75	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
Train 2								
Planned unavailable hours	31.30	0	0	0	2.15	27.92	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	**0.5%**	**0.5%**	**0.5%**	**0.6%**	**0.6%**	**0.7%**	**0.7%**	**0.4%**

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	2	2	0	1	0	0	0
Indicator value	**3**	**5**	**7**	**7**	**5**	**3**	**1**	**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 event is ongoing. {The abovementioned Safety System Functional Failure was withdrawn with the fourth quarter 2001 submittal per a subsequent NRC letter concerning Inspection Report 50-265/01-08.}

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	0.000095	0.000133	0.000123	0.000096	0.000085	0.000085	0.000081	0.000078	0.000101	0.000086	0.000080	0.000074
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**

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	0.000064	0.000057	0.000072	0.000043	0.000084	0.000044	0.000039	0.000063	0.000056	0.000055	0.000082	0.000067
Technical specification limit	0.2	0.2	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	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	1.720	1.670	1.750	1.780	1.790	1.780	1.880	1.900	1.900	1.920	1.990	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	**6.9**	**6.7**	**7.0**	**7.1**	**7.2**	**7.1**	**7.5**	**7.6**	**7.6**	**7.7**	**8.0**	**8.0**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	2.000	2.490	2.570	2.710	2.870	3.210	3.420	2.750	2.590	2.550	2.590	2.420
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**	**10.0**	**10.3**	**10.8**	**11.5**	**12.8**	**13.7**	**11.0**	**10.4**	**10.2**	**10.4**	**9.7**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	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: The September data was adjusted with the fourth quarter 2001 submittal to correct a utility-identified error in the PI submittal.

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 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

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

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 1

4Q/2001 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2184.0	2183.0	2208.0	1712.3	2160.0	2126.3	2208.0	2209.0
Indicator value	**0.8**	**0**	**0**	**0.8**	**0.8**	**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	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned power changes	0	0	0	2.0	0	0	0	0
Critical hours	2184.0	2183.0	2208.0	1712.3	2160.0	2126.3	2208.0	2209.0
Indicator value	**0.8**	**0**	**0**	**1.7**	**1.7**	**1.7**	**1.7**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	48.10	17.29	8.46	46.68	35.25	15.30	20.60	53.68
Unplanned unavailable hours	4.17	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	12.46	11.32	69.70	63.03	37.35	54.20	23.77	20.97
Unplanned unavailable hours	0	0	3.30	0	2.62	0	1.63	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	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**1.9%**	**1.7%**	**1.8%**	**1.8%**	**1.8%**	**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)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	45.21	31.29	102.84	65.64	10.45	45.17	5.50	4.91
Unplanned unavailable hours	33.85	3.20	0	5.20	0	0	0	0
Fault exposure hours	1889.40	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	5439.80	0	0	0
Required hours	2184.00	2183.00	2208.00	1712.30	2160.00	2126.30	2208.00	2209.00
Indicator value	**28.7%**	**28.1%**	**28.5%**	**29.1%**	**2.9%**	**2.9%**	**2.6%**	**2.0%**

Licensee Comments:

4Q/01: In accordance with RIS 2001-23, fault exposure hours associated with a March 21, 2000, failure of the HPCI auxiliary oil pump have been resubmitted and reset.

1Q/00: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

4Q/99: The submittal for this reporting period updates system unavailable hours. As a result of ongoing reviews, it was identified that there are additional unavailability hours associated with the performance of surveillance testing on support systems. This review covered all of 1999. The results of this review indicate that historical data for 1997 and 1998 is representative of system performance. Unit 1 High Pressure Coolant Injection System changes total 11.3 hours for the months of January 1999 through September 1999. Changes to unavailable hours are less than 0.2% and do not impact the color. * Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

3Q/99: Fault exposure hours are being added to this performance indicator due to the failure to start of the Unit 1 HPCI aux oil pump on March 21, 2000. Fault exposure hours in the amount of one half of the hours since the last successful performance of the cycle surveillance are included. Evaluation of this issue is continuing. An FAQ will be submitted to request clarification of some issues regarding this performance indicator. NOTE: The aforementioned fault exposure hours were removed in accordance with NEI 99-02, revision 0, in a change submittal made in April, 2001.

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	20.36	55.86	9.61	6.91	43.32	22.88	8.44	5.59
Unplanned unavailable hours	26.21	0	0	0	0	0	0	9.20
Fault exposure hours	0	0	0	0	0	0	0	12.00
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	1712.30	2160.00	2126.30	2208.00	2209.00
Indicator value	**1.8%**	**1.6%**	**1.6%**	**1.4%**	**1.4%**	**1.4%**	**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	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	0	0	27.37	7.10	47.75	0	0	34.57
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0	0	0	2.15	27.92	0	0	25.10
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.5%**	**0.5%**	**0.6%**	**0.6%**	**0.7%**	**0.7%**	**0.4%**	**0.5%**

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	2	2	0	1	0	0	0	0
Indicator value	**5**	**7**	**7**	**5**	**3**	**1**	**1**	**0**

Licensee Comments:

4Q/01: One Safety System Functional Failure concerning the Safe Shutdown Makeup Pump was withdrawn from the fourth quarter 2000 data in accordance with a December 4, 2001, letter from the NRC 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 event is ongoing. {The abovementioned Safety System Functional Failure was withdrawn with the fourth quarter 2001 submittal per a subsequent NRC letter concerning Inspection Report 50-265/01-08.}

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	0.000096	0.000085	0.000085	0.000081	0.000078	0.000101	0.000086	0.000080	0.000074	0.000064	0.000057	0.000072
Technical specification limit	0.2	0.2	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**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**

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	0.000043	0.000084	0.000044	0.000039	0.000063	0.000056	0.000055	0.000082	0.000067	0.000171	0.000041	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**	**0.1**	**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	1.780	1.790	1.780	1.880	1.900	1.900	1.920	1.990	1.990	2.000	2.490	2.570
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	**7.1**	**7.2**	**7.1**	**7.5**	**7.6**	**7.6**	**7.7**	**8.0**	**8.0**	**8.0**	**10.0**	**10.3**

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	2.710	2.870	3.210	3.420	2.750	2.590	2.550	2.590	2.420	2.410	2.440	2.370
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	**10.8**	**11.5**	**12.8**	**13.7**	**11.0**	**10.4**	**10.2**	**10.4**	**9.7**	**9.6**	**9.8**	**9.5**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful opportunities	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 in the PI submittals.

3Q/01: The September data was adjusted with the fourth quarter 2001 submittal to correct a utility-identified error in the PI submittal.

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 does not affect the color.

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	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 1

1Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2183.0	2208.0	1712.3	2160.0	2126.3	2208.0	2209.0	1556.1
Indicator value	**0**	**0**	**0.8**	**0.8**	**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	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned power changes	0	0	2.0	0	0	0	0	3.0
Critical hours	2183.0	2208.0	1712.3	2160.0	2126.3	2208.0	2209.0	1556.1
Indicator value	**0**	**0**	**1.7**	**1.7**	**1.7**	**1.7**	**0**	**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	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	17.29	8.46	46.68	35.25	15.30	20.60	53.68	4.75
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	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	63.03	37.35	54.20	23.77	20.97	21.33
Unplanned unavailable hours	0	3.30	0	2.62	0	1.63	0	0
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	**1.7%**	**1.8%**	**1.8%**	**1.8%**	**1.9%**	**1.9%**	**2.0%**	**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)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	31.29	102.84	65.64	10.45	45.17	5.50	4.91	7.84
Unplanned unavailable hours	3.20	0	5.20	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	5439.80	0	0	0	0
Required hours	2183.00	2208.00	1712.30	2160.00	2126.30	2208.00	2209.00	1556.10
Indicator value	**28.1%**	**28.5%**	**29.1%**	**2.9%**	**2.9%**	**2.6%**	**2.0%**	**2.0%**

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)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	55.86	9.61	6.91	43.32	22.88	8.44	5.59	5.42
Unplanned unavailable hours	0	0	0	0	0	0	9.20	0
Fault exposure hours	0	0	0	0	0	0	12.00	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1712.30	2160.00	2126.30	2208.00	2209.00	1556.10
Indicator value	**1.6%**	**1.6%**	**1.4%**	**1.4%**	**1.4%**	**1.4%**	**1.4%**	**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	27.37	7.10	47.75	0	0	34.57	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0	0	2.15	27.92	0	0	25.10	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	**0.5%**	**0.6%**	**0.6%**	**0.7%**	**0.7%**	**0.4%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Safety System Functional Failures	2	0	1	0	0	0	0	1
Indicator value	**7**	**7**	**5**	**3**	**1**	**1**	**0**	**1**

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	0.000081	0.000078	0.000101	0.000086	0.000080	0.000074	0.000064	0.000057	0.000072	0.000043	0.000084	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**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0.000039	0.000063	0.000056	0.000055	0.000082	0.000067	0.000171	0.000041	0.000043	0.000050	0.000024	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**	**0.1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	1.880	1.900	1.900	1.920	1.990	1.990	2.000	2.490	2.570	2.710	2.870	3.210
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**	**7.6**	**7.6**	**7.7**	**8.0**	**8.0**	**8.0**	**10.0**	**10.3**	**10.8**	**11.5**	**12.8**

Reactor Coolant System Leakage	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum leakage	3.420	2.750	2.590	2.550	2.590	2.420	2.410	2.440	2.370	2.380	4.210	1.800
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	**13.7**	**11.0**	**10.4**	**10.2**	**10.4**	**9.7**	**9.6**	**9.8**	**9.5**	**9.5**	**16.8**	**7.2**

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 1

2Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2208.0	1712.3	2160.0	2126.3	2208.0	2209.0	1556.1	2183.0
Indicator value	**0**	**0.8**	**0.8**	**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	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Unplanned power changes	0	2.0	0	0	0	0	3.0	0
Critical hours	2208.0	1712.3	2160.0	2126.3	2208.0	2209.0	1556.1	2183.0
Indicator value	**0**	**1.7**	**1.7**	**1.7**	**1.7**	**0**	**2.6**	**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/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	8.46	46.68	35.25	15.30	20.60	53.68	4.75	53.98
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	69.70	63.03	37.35	54.20	23.77	20.97	21.33	18.28
Unplanned unavailable hours	3.30	0	2.62	0	1.63	0	0	0
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	**1.8%**	**1.8%**	**1.8%**	**1.9%**	**1.9%**	**2.0%**	**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)	**3Q/00**	**4Q/00**	**1Q/01**	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**
Train 1								
Planned unavailable hours	102.84	65.64	10.45	45.17	5.50	4.91	7.84	70.82
Unplanned unavailable hours	0	5.20	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	5439.80	0	0	0	0	0
Required hours	2208.00	1712.30	2160.00	2126.30	2208.00	2209.00	1556.10	2183.00
Indicator value	**28.5%**	**29.1%**	**2.9%**	**2.9%**	**2.6%**	**2.0%**	**2.0%**	**2.3%**

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	9.61	6.91	43.32	22.88	8.44	5.59	5.42	100.99
Unplanned unavailable hours	0	0	0	0	0	9.20	0	0
Fault exposure hours	0	0	0	0	0	12.00	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1712.30	2160.00	2126.30	2208.00	2209.00	1556.10	2183.00
Indicator value	**1.6%**	**1.4%**	**1.4%**	**1.4%**	**1.4%**	**1.4%**	**1.2%**	**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/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	27.37	7.10	47.75	0	0	34.57	0	106.30
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	0	2.15	27.92	0	0	25.10	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	2160.00	2183.00
Indicator value	**0.6%**	**0.6%**	**0.7%**	**0.7%**	**0.4%**	**0.5%**	**0.5%**	**0.7%**

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	1	0	0	0	0	1	0
Indicator value	**7**	**5**	**3**	**1**	**1**	**0**	**1**	**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	0.000086	0.000080	0.000074	0.000064	0.000057	0.000072	0.000043	0.000084	0.000044	0.000039	0.000063	0.000056
Technical specification limit	0.2	0.2	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	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum activity	0.000055	0.000082	0.000067	0.000171	0.000041	0.000043	0.000050	0.000024	0.000044	0.000043	0.000089	0.000063
Technical specification limit	0.2	0.2	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**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	1.920	1.990	1.990	2.000	2.490	2.570	2.710	2.870	3.210	3.420	2.750	2.590
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**	**8.0**	**8.0**	**10.0**	**10.3**	**10.8**	**11.5**	**12.8**	**13.7**	**11.0**	**10.4**

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	2.550	2.590	2.420	2.410	2.440	2.370	2.380	4.210	1.800	1.780	1.830	1.830
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	**10.2**	**10.4**	**9.7**	**9.6**	**9.8**	**9.5**	**9.5**	**16.8**	**7.2**	**7.1**	**7.3**	**7.3**

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 in the PI submittals. {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

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful siren-tests	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

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
IDS compensatory hours	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 1

3Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	1712.3	2160.0	2126.3	2208.0	2209.0	1556.1	2183.0	2177.4
Indicator value	**0.8**	**0.8**	**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	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned power changes	2.0	0	0	0	0	3.0	0	0
Critical hours	1712.3	2160.0	2126.3	2208.0	2209.0	1556.1	2183.0	2177.4
Indicator value	**1.7**	**1.7**	**1.7**	**1.7**	**0**	**2.6**	**2.6**	**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	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	46.68	35.25	15.30	20.60	53.68	4.75	53.98	22.60
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	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	63.03	37.35	54.20	23.77	20.97	21.33	18.28	18.68
Unplanned unavailable hours	0	2.62	0	1.63	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	**1.8%**	**1.8%**	**1.9%**	**1.9%**	**2.0%**	**2.0%**	**1.8%**	**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/00**	**1Q/01**	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**
Train 1								
Planned unavailable hours	65.64	10.45	45.17	5.50	4.91	7.84	70.82	2.96
Unplanned unavailable hours	5.20	0	0	0	0	0	0	218.98
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	5439.80	0	0	0	0	0	0
Required hours	1712.30	2160.00	2126.30	2208.00	2209.00	1556.10	2183.00	2177.40
Indicator value	**29.1%**	**2.9%**	**2.9%**	**2.6%**	**2.0%**	**2.0%**	**2.3%**	**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/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	6.91	43.32	22.88	8.44	5.59	5.42	100.99	2.81
Unplanned unavailable hours	0	0	0	0	9.20	0	0	6.88
Fault exposure hours	0	0	0	0	12.00	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1712.30	2160.00	2126.30	2208.00	2209.00	1556.10	2183.00	2177.40
Indicator value	**1.4%**	**1.4%**	**1.4%**	**1.4%**	**1.4%**	**1.2%**	**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/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	7.10	47.75	0	0	34.57	0	106.30	47.29
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	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	2.15	27.92	0	0	25.10	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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.6%**	**0.7%**	**0.7%**	**0.4%**	**0.5%**	**0.5%**	**0.7%**	**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	1	0	0	0	0	1	0	0
Indicator value	**5**	**3**	**1**	**1**	**0**	**1**	**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	0.000064	0.000057	0.000072	0.000043	0.000084	0.000044	0.000039	0.000063	0.000056	0.000055	0.000082	0.000067
Technical specification limit	0.2	0.2	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	**10/01**	**11/01**	**12/01**	**1/02**	**2/02**	**3/02**	**4/02**	**5/02**	**6/02**	**7/02**	**8/02**	**9/02**
Maximum activity	0.000171	0.000041	0.000043	0.000050	0.000024	0.000044	0.000043	0.000089	0.000063	0.000075	0.000123	0.000144
Technical specification limit	0.2	0.2	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**

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	2.000	2.490	2.570	2.710	2.870	3.210	3.420	2.750	2.590	2.550	2.590	2.420
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**	**10.0**	**10.3**	**10.8**	**11.5**	**12.8**	**13.7**	**11.0**	**10.4**	**10.2**	**10.4**	**9.7**

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	2.410	2.440	2.370	2.380	4.210	1.800	1.780	1.830	1.830	3.300	2.240	2.030
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	**9.6**	**9.8**	**9.5**	**9.5**	**16.8**	**7.2**	**7.1**	**7.3**	**7.3**	**13.2**	**9.0**	**8.1**

Licensee Comments: none

Drill/Exercise Performance

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

Protected Area Security Performance Index

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 1

4Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2160.0	2126.3	2208.0	2209.0	1556.1	2183.0	2177.4	1720.9
Indicator value	**0.8**	**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	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned power changes	0	0	0	0	3.0	0	0	2.0
Critical hours	2160.0	2126.3	2208.0	2209.0	1556.1	2183.0	2177.4	1720.9
Indicator value	**1.7**	**1.7**	**1.7**	**0**	**2.6**	**2.6**	**2.6**	**4.6**

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	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	35.25	15.30	20.60	53.68	4.75	53.98	22.60	16.72
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
Train 2								
Planned unavailable hours	37.35	54.20	23.77	20.97	21.33	18.28	18.68	86.15
Unplanned unavailable hours	2.62	0	1.63	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	**1.8%**	**1.9%**	**1.9%**	**2.0%**	**2.0%**	**1.8%**	**1.4%**	**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)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	10.45	45.17	5.50	4.91	7.84	70.82	2.96	8.08
Unplanned unavailable hours	0	0	0	0	0	0	218.98	37.30
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	5439.80	0	0	0	0	0	0	0
Required hours	2160.00	2126.30	2208.00	2209.00	1556.10	2183.00	2177.40	1720.90
Indicator value	**2.9%**	**2.9%**	**2.6%**	**2.0%**	**2.0%**	**2.3%**	**3.0%**	**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)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	43.32	22.88	8.44	5.59	5.42	100.99	2.81	4.15
Unplanned unavailable hours	0	0	0	9.20	0	0	6.88	33.37
Fault exposure hours	0	0	0	12.00	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2126.30	2208.00	2209.00	1556.10	2183.00	2177.40	1720.90
Indicator value	**1.4%**	**1.4%**	**1.4%**	**1.4%**	**1.2%**	**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	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	47.75	0	0	34.57	0	106.30	47.29	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	27.92	0	0	25.10	0	0	0	31.80
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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.7%**	**0.7%**	**0.4%**	**0.5%**	**0.5%**	**0.7%**	**0.7%**	**0.7%**

Licensee Comments:

4Q/02: Three years (26280 hours) of T/2 Fault Exposure Unavailability are reported for this indicator in this comment section. During a refuel outage, a door for a potential transformer fuse drawer fell open, indicating the door had not been fully latched. Had a seismic event occurred, this door may have opened, causing the bus to lose voltage. With the door open, the bus would not have provided power to its loads, including the Residual Heat Removal pumps for that loop. Since it cannot be determined when the door was last fully latched, the T/2 Fault Exposure Unavailability being reported is the maximum allowed by NEI 99-02 guidance.

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

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	0.000043	0.000084	0.000044	0.000039	0.000063	0.000056	0.000055	0.000082	0.000067	0.000171	0.000041	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**	**0.1**	**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	0.000050	0.000024	0.000044	0.000043	0.000089	0.000063	0.000075	0.000123	0.000144	0.000217	N/A	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0.1**	**N/A**	**0**

Licensee Comments:

12/02: Unit 1 was in a refuel outage for a large portion of November 2002. There were no samples taken during November 2002 that met the criteria for reporting (i.e., taken when the station was in a steady-state condition).

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum leakage	2.710	2.870	3.210	3.420	2.750	2.590	2.550	2.590	2.420	2.410	2.440	2.370
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	**10.8**	**11.5**	**12.8**	**13.7**	**11.0**	**10.4**	**10.2**	**10.4**	**9.7**	**9.6**	**9.8**	**9.5**

Reactor Coolant System Leakage	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	2.380	4.210	1.800	1.780	1.830	1.830	3.300	2.240	2.030	2.140	2.020	2.320
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	**9.5**	**16.8**	**7.2**	**7.1**	**7.3**	**7.3**	**13.2**	**9.0**	**8.1**	**8.6**	**8.1**	**9.3**

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 1

1Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2126.3	2208.0	2209.0	1556.1	2183.0	2177.4	1720.9	2160.0
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	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned power changes	0	0	0	3.0	0	0	2.0	1.0
Critical hours	2126.3	2208.0	2209.0	1556.1	2183.0	2177.4	1720.9	2160.0
Indicator value	**1.7**	**1.7**	**0**	**2.6**	**2.6**	**2.6**	**4.6**	**2.5**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	15.30	20.60	53.68	4.75	53.98	22.60	16.72	54.15
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	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	54.20	23.77	20.97	21.33	18.28	18.68	86.15	36.84
Unplanned unavailable hours	0	1.63	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%**	**1.9%**	**2.0%**	**2.0%**	**1.8%**	**1.4%**	**1.5%**	**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)	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**
Train 1								
Planned unavailable hours	45.17	5.50	4.91	7.84	70.82	2.96	8.08	34.48
Unplanned unavailable hours	0	0	0	0	0	218.98	37.30	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	2126.30	2208.00	2209.00	1556.10	2183.00	2177.40	1720.90	2160.00
Indicator value	**2.9%**	**2.6%**	**2.0%**	**2.0%**	**2.3%**	**3.0%**	**2.8%**	**2.7%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	22.88	8.44	5.59	5.42	100.99	2.81	4.15	22.82
Unplanned unavailable hours	0	0	9.20	0	0	6.88	33.37	0
Fault exposure hours	0	0	12.00	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2126.30	2208.00	2209.00	1556.10	2183.00	2177.40	1720.90	2160.00
Indicator value	**1.4%**	**1.4%**	**1.4%**	**1.2%**	**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	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	0	0	34.57	0	106.30	47.29	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	0	0	25.10	0	0	0	31.80	2.30
Unplanned unavailable hours	0	0	0	0	0	0	0	54.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.7%**	**0.4%**	**0.5%**	**0.5%**	**0.7%**	**0.7%**	**0.7%**	**0.8%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/01**	**5/01**	**6/01**	**7/01**	**8/01**	**9/01**	**10/01**	**11/01**	**12/01**	**1/02**	**2/02**	**3/02**
Maximum activity	0.000039	0.000063	0.000056	0.000055	0.000082	0.000067	0.000171	0.000041	0.000043	0.000050	0.000024	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**	**0.1**	**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	0.000043	0.000089	0.000063	0.000075	0.000123	0.000144	0.000217	N/A	0.000047	0.000056	0.000045	0.000228
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0.1**	**N/A**	**0**	**0**	**0**	**0.1**

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	3.420	2.750	2.590	2.550	2.590	2.420	2.410	2.440	2.370	2.380	4.210	1.800
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	**13.7**	**11.0**	**10.4**	**10.2**	**10.4**	**9.7**	**9.6**	**9.8**	**9.5**	**9.5**	**16.8**	**7.2**

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	1.780	1.830	1.830	3.300	2.240	2.030	2.140	2.020	2.320	2.630	2.680	2.810
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**	**7.3**	**7.3**	**13.2**	**9.0**	**8.1**	**8.6**	**8.1**	**9.3**	**10.5**	**10.7**	**11.2**

Licensee Comments: none

Drill/Exercise Performance

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 1

2Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	1556.1	2183.0	2177.4	1720.9	2160.0	1960.2
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	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned power changes	0	0	3.0	0	0	2.0	1.0	0
Critical hours	2208.0	2209.0	1556.1	2183.0	2177.4	1720.9	2160.0	1960.2
Indicator value	**1.7**	**0**	**2.6**	**2.6**	**2.6**	**4.6**	**2.5**	**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/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	20.60	53.68	4.75	53.98	22.60	16.72	54.15	59.64
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	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	21.33	18.28	18.68	86.15	36.84	93.67
Unplanned unavailable hours	1.63	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	**1.9%**	**2.0%**	**2.0%**	**1.8%**	**1.4%**	**1.5%**	**1.6%**	**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)	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**
Train 1								
Planned unavailable hours	5.50	4.91	7.84	70.82	2.96	8.08	34.48	27.86
Unplanned unavailable hours	0	0	0	0	218.98	37.30	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1556.10	2183.00	2177.40	1720.90	2160.00	1960.20
Indicator value	**2.6%**	**2.0%**	**2.0%**	**2.3%**	**3.0%**	**2.8%**	**2.7%**	**2.7%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	8.44	5.59	5.42	100.99	2.81	4.15	22.82	51.97
Unplanned unavailable hours	0	9.20	0	0	6.88	33.37	0	0
Fault exposure hours	0	12.00	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1556.10	2183.00	2177.40	1720.90	2160.00	1960.20
Indicator value	**1.4%**	**1.4%**	**1.2%**	**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	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	0	34.57	0	106.30	47.29	0	0	54.90
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	0	25.10	0	0	0	31.80	2.30	17.10
Unplanned unavailable hours	0	0	0	0	0	0	54.10	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.4%**	**0.5%**	**0.5%**	**0.7%**	**0.7%**	**0.7%**	**0.8%**	**0.9%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

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	0.000055	0.000082	0.000067	0.000171	0.000041	0.000043	0.000050	0.000024	0.000044	0.000043	0.000089	0.000063
Technical specification limit	0.2	0.2	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**	**0.1**	**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	0.000075	0.000123	0.000144	0.000217	N/A	0.000047	0.000056	0.000045	0.000228	0.000310	0.000324	0.000234
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0.1**	**0.1**	**0.1**	**N/A**	**0**	**0**	**0**	**0.1**	**0.2**	**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	2.550	2.590	2.420	2.410	2.440	2.370	2.380	4.210	1.800	1.780	1.830	1.830
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	**10.2**	**10.4**	**9.7**	**9.6**	**9.8**	**9.5**	**9.5**	**16.8**	**7.2**	**7.1**	**7.3**	**7.3**

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	3.300	2.240	2.030	2.140	2.020	2.320	2.630	2.680	2.810	2.980	2.980	1.820
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	**13.2**	**9.0**	**8.1**	**8.6**	**8.1**	**9.3**	**10.5**	**10.7**	**11.2**	**11.9**	**11.9**	**7.3**

Licensee Comments: none

Drill/Exercise Performance

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

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

3Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	1556.1	2183.0	2177.4	1720.9	2160.0	1960.2	2208.0
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	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned power changes	0	3.0	0	0	2.0	1.0	0	0
Critical hours	2209.0	1556.1	2183.0	2177.4	1720.9	2160.0	1960.2	2208.0
Indicator value	**0**	**2.6**	**2.6**	**2.6**	**4.6**	**2.5**	**2.6**	**2.6**

Licensee Comments: none

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	53.68	4.75	53.98	22.60	16.72	54.15	59.64	13.50
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	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	20.97	21.33	18.28	18.68	86.15	36.84	93.67	13.52
Unplanned unavailable hours	0	0	0	0	20.15	0	0	50.80
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
Indicator value	**2.0%**	**2.0%**	**1.8%**	**1.4%**	**1.5%**	**1.6%**	**1.8%**	**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	4.91	7.84	70.82	2.96	8.08	34.48	27.86	3.73
Unplanned unavailable hours	0	0	0	218.98	37.30	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	2209.00	1556.10	2183.00	2177.40	1720.90	2160.00	1960.20	2208.00
Indicator value	**2.0%**	**2.0%**	**2.3%**	**3.0%**	**2.8%**	**2.7%**	**2.7%**	**2.3%**

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	5.59	5.42	100.99	2.81	4.15	22.82	51.97	8.79
Unplanned unavailable hours	9.20	0	0	6.88	33.37	0	0	0
Fault exposure hours	12.00	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1556.10	2183.00	2177.40	1720.90	2160.00	1960.20	2208.00
Indicator value	**1.4%**	**1.2%**	**1.5%**	**1.5%**	**1.5%**	**1.4%**	**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/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	34.57	0	106.30	47.29	0	0	54.90	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	25.10	0	0	0	31.80	2.30	17.10	0
Unplanned unavailable hours	0	0	0	0	0	54.10	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.5%**	**0.5%**	**0.7%**	**0.7%**	**0.7%**	**0.8%**	**0.9%**	**0.9%**

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

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	0.000171	0.000041	0.000043	0.000050	0.000024	0.000044	0.000043	0.000089	0.000063	0.000075	0.000123	0.000144
Technical specification limit	0.2	0.2	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**

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	0.000217	N/A	0.000047	0.000056	0.000045	0.000228	0.000310	0.000324	0.000234	0.000222	0.000240	0.000248
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**N/A**	**0**	**0**	**0**	**0.1**	**0.2**	**0.2**	**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	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum leakage	2.410	2.440	2.370	2.380	4.210	1.800	1.780	1.830	1.830	3.300	2.240	2.030
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	**9.6**	**9.8**	**9.5**	**9.5**	**16.8**	**7.2**	**7.1**	**7.3**	**7.3**	**13.2**	**9.0**	**8.1**

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	2.140	2.020	2.320	2.630	2.680	2.810	2.980	2.980	1.820	1.900	2.170	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	**8.6**	**8.1**	**9.3**	**10.5**	**10.7**	**11.2**	**11.9**	**11.9**	**7.3**	**7.6**	**8.7**	**9.3**

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

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 1

4Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1556.1	2183.0	2177.4	1720.9	2160.0	1960.2	2208.0	1758.9
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/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned power changes	3.0	0	0	2.0	1.0	0	0	1.0
Critical hours	1556.1	2183.0	2177.4	1720.9	2160.0	1960.2	2208.0	1758.9
Indicator value	**2.6**	**2.6**	**2.6**	**4.6**	**2.5**	**2.6**	**2.6**	**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	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	4.75	53.98	22.60	16.72	54.15	59.64	13.50	4.90
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	21.33	18.28	18.68	86.15	36.84	93.67	13.52	9.52
Unplanned unavailable hours	0	0	0	20.15	0	0	50.80	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	**2.0%**	**1.8%**	**1.4%**	**1.5%**	**1.6%**	**1.8%**	**1.8%**	**1.7%**

Licensee Comments:

4Q/03: A comment is being added to the 3rd quarter 2003 data based on the completion of analysis that results in 422.55 hours of T/2 fault exposure unavailability for Unit 1 EAC.

3Q/03: 422.5 hours of T/2 fault exposure unavailability are reported based on a failure of the 1/2 EDG to load to Unit 1 on 7/15/03. The previous successful test was performed on 06/10/03.

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	7.84	70.82	2.96	8.08	34.48	27.86	3.73	34.44
Unplanned unavailable hours	0	0	218.98	37.30	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	1556.10	2183.00	2177.40	1720.90	2160.00	1960.20	2208.00	1758.86
Indicator value	**2.0%**	**2.3%**	**3.0%**	**2.8%**	**2.7%**	**2.7%**	**2.3%**	**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)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	5.42	100.99	2.81	4.15	22.82	51.97	8.79	30.31
Unplanned unavailable hours	0	0	6.88	33.37	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	1556.10	2183.00	2177.40	1720.90	2160.00	1960.20	2208.00	1758.86
Indicator value	**1.2%**	**1.5%**	**1.5%**	**1.5%**	**1.4%**	**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/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	0	106.30	47.29	0	0	54.90	0	21.34
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	0	0	0	31.80	2.30	17.10	0	7.13
Unplanned unavailable hours	0	0	0	0	54.10	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.5%**	**0.7%**	**0.7%**	**0.7%**	**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/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Safety System Functional Failures	1	0	0	0	1	0	0	0
Indicator value	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**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	0.000050	0.000024	0.000044	0.000043	0.000089	0.000063	0.000075	0.000123	0.000144	0.000217	N/A	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0.1**	**N/A**	**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	0.000056	0.000045	0.000228	0.000310	0.000324	0.000234	0.000222	0.000240	0.000248	0.000290	0.000200	0.000221
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0.1**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	2.380	4.210	1.800	1.780	1.830	1.830	3.300	2.240	2.030	2.140	2.020	2.320
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	**9.5**	**16.8**	**7.2**	**7.1**	**7.3**	**7.3**	**13.2**	**9.0**	**8.1**	**8.6**	**8.1**	**9.3**

Reactor Coolant System Leakage	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum leakage	2.630	2.680	2.810	2.980	2.980	1.820	1.900	2.170	2.330	2.460	2.330	1.860
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	**10.5**	**10.7**	**11.2**	**11.9**	**11.9**	**7.3**	**7.6**	**8.7**	**9.3**	**9.8**	**9.3**	**7.4**

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

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Participating Key personnel	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 1

1Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2177.4	1720.9	2160.0	1960.2	2208.0	1758.9	2184.0
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	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Unplanned power changes	0	0	2.0	1.0	0	0	1.0	0
Critical hours	2183.0	2177.4	1720.9	2160.0	1960.2	2208.0	1758.9	2184.0
Indicator value	**2.6**	**2.6**	**4.6**	**2.5**	**2.6**	**2.6**	**1.7**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	53.98	22.60	16.72	54.15	59.64	13.50	4.90	10.03
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	2184.00
Train 2								
Planned unavailable hours	18.28	18.68	86.15	36.84	93.67	13.52	9.52	47.00
Unplanned unavailable hours	0	0	20.15	0	0	50.80	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	**1.8%**	**1.4%**	**1.5%**	**1.6%**	**1.8%**	**1.8%**	**1.7%**	**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)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	70.82	2.96	8.08	34.48	27.86	3.73	34.44	8.20
Unplanned unavailable hours	0	218.98	37.30	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	2183.00	2177.40	1720.90	2160.00	1960.20	2208.00	1758.86	2184.00
Indicator value	**2.3%**	**3.0%**	**2.8%**	**2.7%**	**2.7%**	**2.3%**	**2.1%**	**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)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	100.99	2.81	4.15	22.82	51.97	8.79	30.31	6.88
Unplanned unavailable hours	0	6.88	33.37	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	2177.40	1720.90	2160.00	1960.20	2208.00	1758.86	2184.00
Indicator value	**1.5%**	**1.5%**	**1.5%**	**1.4%**	**1.4%**	**1.4%**	**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	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	106.30	47.29	0	0	54.90	0	21.34	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	0	0	31.80	2.30	17.10	0	7.13	1.85
Unplanned unavailable hours	0	0	0	54.10	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.8%**	**0.9%**	**0.9%**	**0.9%**	**0.8%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

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	0.000043	0.000089	0.000063	0.000075	0.000123	0.000144	0.000217	N/A	0.000047	0.000056	0.000045	0.000228
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0.1**	**N/A**	**0**	**0**	**0**	**0.1**

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	0.000310	0.000324	0.000234	0.000222	0.000240	0.000248	0.000290	0.000200	0.000221	0.000175	0.000200	0.000206
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	1.780	1.830	1.830	3.300	2.240	2.030	2.140	2.020	2.320	2.630	2.680	2.810
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**	**7.3**	**7.3**	**13.2**	**9.0**	**8.1**	**8.6**	**8.1**	**9.3**	**10.5**	**10.7**	**11.2**

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	2.980	2.980	1.820	1.900	2.170	2.330	2.460	2.330	1.860	1.690	1.720	1.680
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	**11.9**	**11.9**	**7.3**	**7.6**	**8.7**	**9.3**	**9.8**	**9.3**	**7.4**	**6.8**	**6.9**	**6.7**

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 1

2Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2177.4	1720.9	2160.0	1960.2	2208.0	1758.9	2184.0	2183.0
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	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned power changes	0	2.0	1.0	0	0	1.0	0	0
Critical hours	2177.4	1720.9	2160.0	1960.2	2208.0	1758.9	2184.0	2183.0
Indicator value	**2.6**	**4.6**	**2.5**	**2.6**	**2.6**	**1.7**	**0.9**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	22.60	16.72	54.15	59.64	13.50	4.90	10.03	9.30
Unplanned unavailable hours	0	0	0	0	0	0	0	2.02
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	86.15	36.84	93.67	13.52	9.52	47.00	61.53
Unplanned unavailable hours	0	20.15	0	0	50.80	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	**1.4%**	**1.5%**	**1.6%**	**1.8%**	**1.8%**	**1.7%**	**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)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	2.96	8.08	34.48	27.86	3.73	34.44	8.20	82.45
Unplanned unavailable hours	218.98	37.30	0	0	0	0	0	3.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2177.40	1720.90	2160.00	1960.20	2208.00	1758.86	2184.00	2183.00
Indicator value	**3.0%**	**2.8%**	**2.7%**	**2.7%**	**2.3%**	**2.1%**	**2.1%**	**2.2%**

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/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	2.81	4.15	22.82	51.97	8.79	30.31	6.88	62.15
Unplanned unavailable hours	6.88	33.37	0	0	0	0	0	7.92
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2177.40	1720.90	2160.00	1960.20	2208.00	1758.86	2184.00	2183.00
Indicator value	**1.5%**	**1.5%**	**1.4%**	**1.4%**	**1.4%**	**1.5%**	**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	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	47.29	0	0	54.90	0	21.34	0	33.32
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	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	0	31.80	2.30	17.10	0	7.13	1.85	17.71
Unplanned unavailable hours	0	0	54.10	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**0.7%**	**0.7%**	**0.8%**	**0.9%**	**0.9%**	**0.9%**	**0.8%**	**0.9%**

Licensee Comments: none

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**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	0.000075	0.000123	0.000144	0.000217	N/A	0.000047	0.000056	0.000045	0.000228	0.000310	0.000324	0.000234
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0.1**	**0.1**	**0.1**	**N/A**	**0**	**0**	**0**	**0.1**	**0.2**	**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	0.000222	0.000240	0.000248	0.000290	0.000200	0.000221	0.000175	0.000200	0.000206	0.000208	0.000200	0.000218
Technical specification limit	0.2	0.2	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**	**0.1**	**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	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum leakage	3.300	2.240	2.030	2.140	2.020	2.320	2.630	2.680	2.810	2.980	2.980	1.820
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	**13.2**	**9.0**	**8.1**	**8.6**	**8.1**	**9.3**	**10.5**	**10.7**	**11.2**	**11.9**	**11.9**	**7.3**
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	1.900	2.170	2.330	2.460	2.330	1.860	1.690	1.720	1.680	1.690	1.690	1.790
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**	**8.7**	**9.3**	**9.8**	**9.3**	**7.4**	**6.8**	**6.9**	**6.7**	**6.8**	**6.8**	**7.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful opportunities	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.

Last Modified: September 8, 2004

Quad Cities 1

3Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1720.9	2160.0	1960.2	2208.0	1758.9	2184.0	2183.0	2208.0
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	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	2.0	1.0	0	0	1.0	0	0	0
Critical hours	1720.9	2160.0	1960.2	2208.0	1758.9	2184.0	2183.0	2208.0
Indicator value	**4.6**	**2.5**	**2.6**	**2.6**	**1.7**	**0.9**	**0.8**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	16.72	54.15	59.64	13.50	4.90	10.03	9.30	27.11
Unplanned unavailable hours	0	0	0	0	0	0	2.02	0
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	86.15	36.84	93.67	13.52	9.52	47.00	61.53	8.02
Unplanned unavailable hours	20.15	0	0	50.80	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	**1.5%**	**1.6%**	**1.8%**	**1.8%**	**1.7%**	**1.6%**	**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/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	8.08	34.48	27.86	3.73	34.44	8.20	82.45	4.91
Unplanned unavailable hours	37.30	0	0	0	0	0	3.10	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1720.90	2160.00	1960.20	2208.00	1758.86	2184.00	2183.00	2208.00
Indicator value	**2.8%**	**2.7%**	**2.7%**	**2.3%**	**2.1%**	**2.1%**	**2.2%**	**2.2%**

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/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	4.15	22.82	51.97	8.79	30.31	6.88	62.15	4.71
Unplanned unavailable hours	33.37	0	0	0	0	0	7.92	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1720.90	2160.00	1960.20	2208.00	1758.86	2184.00	2183.00	2208.00
Indicator value	**1.5%**	**1.4%**	**1.4%**	**1.4%**	**1.5%**	**1.4%**	**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/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	0	0	54.90	0	21.34	0	33.32	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
Train 2								
Planned unavailable hours	31.80	2.30	17.10	0	7.13	1.85	17.71	9.03
Unplanned unavailable hours	0	54.10	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**0.7%**	**0.8%**	**0.9%**	**0.9%**	**0.9%**	**0.8%**	**0.9%**	**0.9%**

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**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	0.000217	N/A	0.000047	0.000056	0.000045	0.000228	0.000310	0.000324	0.000234	0.000222	0.000240	0.000248
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**N/A**	**0**	**0**	**0**	**0.1**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**

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	0.000290	0.000200	0.000221	0.000175	0.000200	0.000206	0.000208	0.000200	0.000218	0.000239	0.000334	0.000306
Technical specification limit	0.2	0.2	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**	**0.1**	**0.1**	**0.2**	**0.2**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	2.140	2.020	2.320	2.630	2.680	2.810	2.980	2.980	1.820	1.900	2.170	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	**8.6**	**8.1**	**9.3**	**10.5**	**10.7**	**11.2**	**11.9**	**11.9**	**7.3**	**7.6**	**8.7**	**9.3**

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	2.460	2.330	1.860	1.690	1.720	1.680	1.690	1.690	1.790	1.750	1.900	1.770
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	**9.8**	**9.3**	**7.4**	**6.8**	**6.9**	**6.7**	**6.8**	**6.8**	**7.2**	**7.0**	**7.6**	**7.1**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful opportunities	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 1

4Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2160.0	1960.2	2208.0	1758.9	2184.0	2183.0	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/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned power changes	1.0	0	0	1.0	0	0	0	0
Critical hours	2160.0	1960.2	2208.0	1758.9	2184.0	2183.0	2208.0	2209.0
Indicator value	**2.5**	**2.6**	**2.6**	**1.7**	**0.9**	**0.8**	**0.8**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	54.15	59.64	13.50	4.90	10.03	9.30	27.11	7.73
Unplanned unavailable hours	0	0	0	0	0	2.02	0	0
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	36.84	93.67	13.52	9.52	47.00	61.53	8.02	31.28
Unplanned unavailable hours	0	0	50.80	13.60	0	0	0	20.55
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	**1.6%**	**1.8%**	**1.8%**	**1.7%**	**1.6%**	**1.6%**	**1.6%**	**1.6%**

Licensee Comments:

4Q/04: EDG train 2, 34.42 hours of T/2 fault exposure hours.

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	34.48	27.86	3.73	34.44	8.20	82.45	4.91	14.34
Unplanned unavailable hours	0	0	0	0	0	3.10	0	15.52
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1960.20	2208.00	1758.86	2184.00	2183.00	2208.00	2209.00
Indicator value	**2.7%**	**2.7%**	**2.3%**	**2.1%**	**2.1%**	**2.2%**	**2.2%**	**2.3%**

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	22.82	51.97	8.79	30.31	6.88	62.15	4.71	4.82
Unplanned unavailable hours	0	0	0	0	0	7.92	0	0
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	1960.20	2208.00	1758.86	2184.00	2183.00	2208.00	2209.00
Indicator value	**1.4%**	**1.4%**	**1.4%**	**1.5%**	**1.4%**	**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	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	0	54.90	0	21.34	0	33.32	0	78.46
Unplanned unavailable hours	0	0	0	0	0	0	0	24.17
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	2.30	17.10	0	7.13	1.85	17.71	9.03	31.18
Unplanned unavailable hours	54.10	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	**0.8%**	**0.9%**	**0.9%**	**0.9%**	**0.8%**	**0.9%**	**0.9%**	**1.0%**

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

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	0.000056	0.000045	0.000228	0.000310	0.000324	0.000234	0.000222	0.000240	0.000248	0.000290	0.000200	0.000221
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0.1**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
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	0.000175	0.000200	0.000206	0.000208	0.000200	0.000218	0.000239	0.000334	0.000306	0.000269	0.000255	0.000249
Technical specification limit	0.2	0.2	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**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**
Maximum leakage	2.630	2.680	2.810	2.980	2.980	1.820	1.900	2.170	2.330	2.460	2.330	1.860
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	**10.5**	**10.7**	**11.2**	**11.9**	**11.9**	**7.3**	**7.6**	**8.7**	**9.3**	**9.8**	**9.3**	**7.4**
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	1.690	1.720	1.680	1.690	1.690	1.790	1.750	1.900	1.770	1.710	1.700	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	**6.8**	**6.9**	**6.7**	**6.8**	**6.8**	**7.2**	**7.0**	**7.6**	**7.1**	**6.8**	**6.8**	**6.6**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful opportunities	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 1

1Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1960.2	2208.0	1758.9	2184.0	2183.0	2208.0	2209.0	1897.6
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	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	1960.2	2208.0	1758.9	2184.0	2183.0	2208.0	2209.0	1897.6
Indicator value	**2.6**	**2.6**	**1.7**	**0.9**	**0.8**	**0.8**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	59.64	13.50	4.90	10.03	9.30	27.11	7.73	5.50
Unplanned unavailable hours	0	0	0	0	2.02	0	0	0
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	93.67	13.52	9.52	47.00	61.53	8.02	31.28	15.02
Unplanned unavailable hours	0	50.80	13.60	0	0	0	20.55	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	**1.8%**	**1.8%**	**1.7%**	**1.6%**	**1.6%**	**1.6%**	**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)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	27.86	3.73	34.44	8.20	82.45	4.91	14.34	41.20
Unplanned unavailable hours	0	0	0	0	3.10	0	15.52	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	1960.20	2208.00	1758.86	2184.00	2183.00	2208.00	2209.00	1897.58
Indicator value	**2.7%**	**2.3%**	**2.1%**	**2.1%**	**2.2%**	**2.2%**	**2.3%**	**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/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	51.97	8.79	30.31	6.88	62.15	4.71	4.82	11.89
Unplanned unavailable hours	0	0	0	0	7.92	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1960.20	2208.00	1758.86	2184.00	2183.00	2208.00	2209.00	1897.58
Indicator value	**1.4%**	**1.4%**	**1.5%**	**1.4%**	**1.5%**	**1.5%**	**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	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	54.90	0	21.34	0	33.32	0	78.46	0
Unplanned unavailable hours	0	0	0	0	0	0	24.17	0
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	17.10	0	7.13	1.85	17.71	9.03	31.18	20.33
Unplanned unavailable hours	0	0	0	0	0	0	0	77.78
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.9%**	**0.9%**	**0.9%**	**0.8%**	**0.9%**	**0.9%**	**1.0%**	**1.2%**

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**
Maximum activity	0.000310	0.000324	0.000234	0.000222	0.000240	0.000248	0.000290	0.000200	0.000221	0.000175	0.000200	0.000206
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
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	0.000208	0.000200	0.000218	0.000239	0.000334	0.000306	0.000269	0.000255	0.000249	0.000260	0.000213	0.000233
Technical specification limit	0.2	0.2	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**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**
Maximum leakage	2.980	2.980	1.820	1.900	2.170	2.330	2.460	2.330	1.860	1.690	1.720	1.680
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	**11.9**	**11.9**	**7.3**	**7.6**	**8.7**	**9.3**	**9.8**	**9.3**	**7.4**	**6.8**	**6.9**	**6.7**
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	1.690	1.690	1.790	1.750	1.900	1.770	1.710	1.700	1.660	1.710	1.650	1.650
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**	**6.8**	**7.2**	**7.0**	**7.6**	**7.1**	**6.8**	**6.8**	**6.6**	**6.8**	**6.6**	**6.6**

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 1

2Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2208.0	1758.9	2184.0	2183.0	2208.0	2209.0	1897.6	1633.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2208.0	1758.9	2184.0	2183.0	2208.0	2209.0	1897.6	1633.2
Indicator value	**2.6**	**1.7**	**0.9**	**0.8**	**0.8**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	13.50	4.90	10.03	9.30	27.11	7.73	5.50	30.18
Unplanned unavailable hours	0	0	0	2.02	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	47.00	61.53	8.02	31.28	15.02	77.78
Unplanned unavailable hours	50.80	13.60	0	0	0	20.55	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%**	**1.6%**	**1.6%**	**1.6%**	**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)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	3.73	34.44	8.20	82.45	4.91	14.34	41.20	0.13
Unplanned unavailable hours	0	0	0	3.10	0	15.52	29.40	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	2208.00	1758.86	2184.00	2183.00	2208.00	2209.00	1897.58	1633.21
Indicator value	**2.3%**	**2.1%**	**2.1%**	**2.2%**	**2.2%**	**2.3%**	**2.6%**	**2.3%**

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	8.79	30.31	6.88	62.15	4.71	4.82	11.89	9.98
Unplanned unavailable hours	0	0	0	7.92	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	1758.86	2184.00	2183.00	2208.00	2209.00	1897.58	1633.21
Indicator value	**1.4%**	**1.5%**	**1.4%**	**1.5%**	**1.5%**	**1.4%**	**1.5%**	**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/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	0	21.34	0	33.32	0	78.46	0	0
Unplanned unavailable hours	0	0	0	0	0	24.17	0	0
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	7.13	1.85	17.71	9.03	31.18	20.33	0
Unplanned unavailable hours	0	0	0	0	0	0	77.78	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.9%**	**0.9%**	**0.8%**	**0.9%**	**0.9%**	**1.0%**	**1.2%**	**1.0%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Safety System Functional Failures	0	0	0	0	0	1	0	2
Indicator value	**1**	**1**	**0**	**0**	**0**	**1**	**1**	**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	0.000222	0.000240	0.000248	0.000290	0.000200	0.000221	0.000175	0.000200	0.000206	0.000208	0.000200	0.000218
Technical specification limit	0.2	0.2	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**	**0.1**	**0.1**	**0.1**	**0.1**
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	0.000239	0.000334	0.000306	0.000269	0.000255	0.000249	0.000260	0.000213	0.000233	0.000087	0.000081	0.000060
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	1.900	2.170	2.330	2.460	2.330	1.860	1.690	1.720	1.680	1.690	1.690	1.790
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**	**8.7**	**9.3**	**9.8**	**9.3**	**7.4**	**6.8**	**6.9**	**6.7**	**6.8**	**6.8**	**7.2**
Reactor Coolant System Leakage	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**
Maximum leakage	1.750	1.900	1.770	1.710	1.700	1.660	1.710	1.650	1.650	1.800	1.690	1.970
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**	**7.6**	**7.1**	**6.8**	**6.8**	**6.6**	**6.8**	**6.6**	**6.6**	**7.2**	**6.8**	**7.9**

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 1

3Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	1758.9	2184.0	2183.0	2208.0	2209.0	1897.6	1633.2	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**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/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned power changes	1.0	0	0	0	0	0	0	1.0
Critical hours	1758.9	2184.0	2183.0	2208.0	2209.0	1897.6	1633.2	2208.0
Indicator value	**1.7**	**0.9**	**0.8**	**0.8**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power

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

Notes

Safety System Unavailability, Emergency AC Power	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	4.90	10.03	9.30	27.11	7.73	5.50	30.18	67.88
Unplanned unavailable hours	0	0	2.02	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	47.00	61.53	8.02	31.28	15.02	77.78	7.52
Unplanned unavailable hours	13.60	0	0	0	20.55	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%**	**1.6%**	**1.6%**	**1.6%**	**1.6%**	**1.6%**	**1.7%**	**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/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	34.44	8.20	82.45	4.91	14.34	41.20	0.13	2.33
Unplanned unavailable hours	0	0	3.10	0	15.52	29.40	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	1758.86	2184.00	2183.00	2208.00	2209.00	1897.58	1633.21	2208.00
Indicator value	**2.1%**	**2.1%**	**2.2%**	**2.2%**	**2.3%**	**2.6%**	**2.3%**	**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/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	30.31	6.88	62.15	4.71	4.82	11.89	9.98	5.29
Unplanned unavailable hours	0	0	7.92	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	1758.86	2184.00	2183.00	2208.00	2209.00	1897.58	1633.21	2208.00
Indicator value	**1.5%**	**1.4%**	**1.5%**	**1.5%**	**1.4%**	**1.5%**	**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/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	21.34	0	33.32	0	78.46	0	0	20.29
Unplanned unavailable hours	0	0	0	0	24.17	0	0	0
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	7.13	1.85	17.71	9.03	31.18	20.33	0	0
Unplanned unavailable hours	0	0	0	0	0	77.78	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.9%**	**0.8%**	**0.9%**	**0.9%**	**1.0%**	**1.2%**	**1.0%**	**1.0%**

Licensee Comments: none

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	0	0	0	1	0	1	0
Indicator value	**1**	**0**	**0**	**0**	**1**	**1**	**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	0.000290	0.000200	0.000221	0.000175	0.000200	0.000206	0.000208	0.000200	0.000218	0.000239	0.000334	0.000306
Technical specification limit	0.2	0.2	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**	**0.1**	**0.1**	**0.2**	**0.2**
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	0.000269	0.000255	0.000249	0.000260	0.000213	0.000233	0.000087	0.000081	0.000060	0.000055	0.000048	0.000046
Technical specification limit	0.2	0.2	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**	**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	2.460	2.330	1.860	1.690	1.720	1.680	1.690	1.690	1.790	1.750	1.900	1.770
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	**9.8**	**9.3**	**7.4**	**6.8**	**6.9**	**6.7**	**6.8**	**6.8**	**7.2**	**7.0**	**7.6**	**7.1**
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	1.710	1.700	1.660	1.710	1.650	1.650	1.800	1.690	1.970	1.980	1.890	1.790
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**	**6.8**	**6.6**	**6.8**	**6.6**	**6.6**	**7.2**	**6.8**	**7.9**	**7.9**	**7.6**	**7.2**

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 1

4Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2184.0	2183.0	2208.0	2209.0	1897.6	1633.2	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**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/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned power changes	0	0	0	0	0	0	1.0	1.0
Critical hours	2184.0	2183.0	2208.0	2209.0	1897.6	1633.2	2208.0	2209.0
Indicator value	**0.9**	**0.8**	**0.8**	**0**	**0**	**0**	**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	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	10.03	9.30	27.11	7.73	5.50	30.18	67.88	7.44
Unplanned unavailable hours	0	2.02	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	47.00	61.53	8.02	31.28	15.02	77.78	7.52	11.40
Unplanned unavailable hours	0	0	0	20.55	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	**1.6%**	**1.6%**	**1.6%**	**1.6%**	**1.6%**	**1.7%**	**1.7%**	**1.5%**

Licensee Comments:

4Q/05: EDG train 2, 144.5 hours of T/2 fault exposure hours.

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	8.20	82.45	4.91	14.34	41.20	0.13	2.33	5.01
Unplanned unavailable hours	0	3.10	0	15.52	29.40	0	0	16.53
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	1897.58	1633.21	2208.00	2209.00
Indicator value	**2.1%**	**2.2%**	**2.2%**	**2.3%**	**2.6%**	**2.3%**	**1.4%**	**1.3%**

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	6.88	62.15	4.71	4.82	11.89	9.98	5.29	5.56
Unplanned unavailable hours	0	7.92	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	1897.58	1633.21	2208.00	2209.00
Indicator value	**1.4%**	**1.5%**	**1.5%**	**1.4%**	**1.5%**	**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/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	0	33.32	0	78.46	0	0	20.29	11.27
Unplanned unavailable hours	0	0	0	24.17	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	1.85	17.71	9.03	31.18	20.33	0	0	7.59
Unplanned unavailable hours	0	0	0	0	77.78	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.8%**	**0.9%**	**0.9%**	**1.0%**	**1.2%**	**1.0%**	**1.0%**	**0.9%**

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	0	0	0	1	0	1	0	0
Indicator value	**0**	**0**	**0**	**1**	**1**	**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	0.000175	0.000200	0.000206	0.000208	0.000200	0.000218	0.000239	0.000334	0.000306	0.000269	0.000255	0.000249
Technical specification limit	0.2	0.2	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**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**
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	0.000260	0.000213	0.000233	0.000087	0.000081	0.000060	0.000055	0.000048	0.000046	0.000039	0.000040	0.000040
Technical specification limit	0.2	0.2	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**	**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	1.690	1.720	1.680	1.690	1.690	1.790	1.750	1.900	1.770	1.710	1.700	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	**6.8**	**6.9**	**6.7**	**6.8**	**6.8**	**7.2**	**7.0**	**7.6**	**7.1**	**6.8**	**6.8**	**6.6**
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	1.710	1.650	1.650	1.800	1.690	1.970	1.980	1.890	1.790	1.870	2.010	2.080
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	**6.8**	**6.6**	**6.6**	**7.2**	**6.8**	**7.9**	**7.9**	**7.6**	**7.2**	**7.5**	**8.0**	**8.3**

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 1

1Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned scrams	0	0	0	0	1.0	0	0	1.0
Critical hours	2183.0	2208.0	2209.0	1897.6	1633.2	2208.0	2209.0	2009.0
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**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/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1.0	1.0	1.0
Critical hours	2183.0	2208.0	2209.0	1897.6	1633.2	2208.0	2209.0	2009.0
Indicator value	**0.8**	**0.8**	**0**	**0**	**0**	**0.9**	**1.8**	**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	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	9.30	27.11	7.73	5.50	30.18	67.88	7.44	8.08
Unplanned unavailable hours	2.02	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	61.53	8.02	31.28	15.02	77.78	7.52	11.40	47.28
Unplanned unavailable hours	0	0	20.55	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	**1.6%**	**1.6%**	**1.6%**	**1.6%**	**1.7%**	**1.7%**	**1.5%**	**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/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	82.45	4.91	14.34	41.20	0.13	2.33	5.01	3.55
Unplanned unavailable hours	3.10	0	15.52	29.40	0	0	16.53	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1897.58	1633.21	2208.00	2209.00	2009.02
Indicator value	**2.2%**	**2.2%**	**2.3%**	**2.6%**	**2.3%**	**1.4%**	**1.3%**	**1.2%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	62.15	4.71	4.82	11.89	9.98	5.29	5.56	7.98
Unplanned unavailable hours	7.92	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	1897.58	1633.21	2208.00	2209.00	2009.02
Indicator value	**1.5%**	**1.5%**	**1.4%**	**1.5%**	**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/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	33.32	0	78.46	0	0	20.29	11.27	0
Unplanned unavailable hours	0	0	24.17	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	17.71	9.03	31.18	20.33	0	0	7.59	0
Unplanned unavailable hours	0	0	0	77.78	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.9%**	**0.9%**	**1.0%**	**1.2%**	**1.0%**	**1.0%**	**0.9%**	**0.8%**

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	0	0	1	0	1	0	0	3
Indicator value	**0**	**0**	**1**	**1**	**2**	**2**	**1**	**4**

Licensee Comments:

1Q/06: January LER 254/2005-006, February LER 265/2005-002, March LER 254/2006-001

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	0.000208	0.000200	0.000218	0.000239	0.000334	0.000306	0.000269	0.000255	0.000249	0.000260	0.000213	0.000233
Technical specification limit	0.2	0.2	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**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
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	0.000087	0.000081	0.000060	0.000055	0.000048	0.000046	0.000039	0.000040	0.000040	0.000040	0.000050	0.000065
Technical specification limit	0.2	0.2	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	1.690	1.690	1.790	1.750	1.900	1.770	1.710	1.700	1.660	1.710	1.650	1.650
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**	**6.8**	**7.2**	**7.0**	**7.6**	**7.1**	**6.8**	**6.8**	**6.6**	**6.8**	**6.6**	**6.6**
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	1.800	1.690	1.970	1.980	1.890	1.790	1.870	2.010	2.080	2.070	2.180	2.130
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**	**6.8**	**7.9**	**7.9**	**7.6**	**7.2**	**7.5**	**8.0**	**8.3**	**8.3**	**8.7**	**8.5**

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 1

2Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned scrams	0	0	0	1.0	0	0	1.0	0
Critical hours	2208.0	2209.0	1897.6	1633.2	2208.0	2209.0	2009.0	1789.8
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**1.7**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned power changes	0	0	0	0	1.0	1.0	1.0	1.0
Critical hours	2208.0	2209.0	1897.6	1633.2	2208.0	2209.0	2009.0	1789.8
Indicator value	**0.8**	**0**	**0**	**0**	**0.9**	**1.8**	**2.6**	**3.4**

Licensee Comments: none

Safety System Functional Failures (BWR)

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	3	0
Indicator value	**0**	**1**	**1**	**2**	**2**	**1**	**4**	**3**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								3.70E-07
URI (ΔCDF)								-9.00E-08
PLE								NO
Indicator value								**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	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								4.50E-08
URI (ΔCDF)								-4.30E-08
PLE								NO
Indicator value								**2.00E-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	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								1.00E-08
URI (ΔCDF)								-3.20E-08
PLE								NO
Indicator value								**-2.20E-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	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)								8.10E-08
URI (ΔCDF)								2.80E-09
PLE								NO
Indicator value								**8.38E-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	0.000239	0.000334	0.000306	0.000269	0.000255	0.000249	0.000260	0.000213	0.000233	0.000087	0.000081	0.000060
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.2**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**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	0.000055	0.000048	0.000046	0.000039	0.000040	0.000040	0.000040	0.000050	0.000065	0.000062	0.000062	0.000126
Technical specification limit	0.2	0.2	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**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**
Maximum leakage	1.750	1.900	1.770	1.710	1.700	1.660	1.710	1.650	1.650	1.800	1.690	1.970
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**	**7.6**	**7.1**	**6.8**	**6.8**	**6.6**	**6.8**	**6.6**	**6.6**	**7.2**	**6.8**	**7.9**
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	1.980	1.890	1.790	1.870	2.010	2.080	2.070	2.180	2.130	2.130	2.090	1.910
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	**7.9**	**7.6**	**7.2**	**7.5**	**8.0**	**8.3**	**8.3**	**8.7**	**8.5**	**8.5**	**8.4**	**7.6**

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 1

3Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned scrams	0	0	1.0	0	0	1.0	0	0
Critical hours	2209.0	1897.6	1633.2	2208.0	2209.0	2009.0	1789.8	2208.0
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**1.7**	**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/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned power changes	0	0	0	1.0	1.0	1.0	1.0	1.0
Critical hours	2209.0	1897.6	1633.2	2208.0	2209.0	2009.0	1789.8	2208.0
Indicator value	**0**	**0**	**0**	**0.9**	**1.8**	**2.6**	**3.4**	**3.4**

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	3	0	0
Indicator value	**1**	**1**	**2**	**2**	**1**	**4**	**3**	**3**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							3.70E-07	2.30E-07
URI (ΔCDF)							-9.00E-08	-6.60E-08
PLE							NO	NO
Indicator value							**2.80E-07**	**1.64E-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	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							4.50E-08	4.50E-08
URI (ΔCDF)							-4.30E-08	-4.30E-08
PLE							NO	NO
Indicator value							**2.00E-09**	**2.00E-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	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							1.00E-08	8.40E-09
URI (ΔCDF)							-3.20E-08	-3.20E-08
PLE							NO	NO
Indicator value							**-2.20E-08**	**-2.36E-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)							8.10E-08	8.10E-08
URI (ΔCDF)							2.80E-09	2.80E-09
PLE							NO	NO
Indicator value							**8.38E-08**	**8.38E-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	0.000269	0.000255	0.000249	0.000260	0.000213	0.000233	0.000087	0.000081	0.000060	0.000055	0.000048	0.000046
Technical specification limit	0.2	0.2	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**	**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	0.000039	0.000040	0.000040	0.000040	0.000050	0.000065	0.000062	0.000062	0.000126	0.000126	0.000101	0.000133
Technical specification limit	0.2	0.2	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**	**0.1**	**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	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**
Maximum leakage	1.710	1.700	1.660	1.710	1.650	1.650	1.800	1.690	1.970	1.980	1.890	1.790
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**	**6.8**	**6.6**	**6.8**	**6.6**	**6.6**	**7.2**	**6.8**	**7.9**	**7.9**	**7.6**	**7.2**
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	1.870	2.010	2.080	2.070	2.180	2.130	2.130	2.090	1.910	1.920	1.890	1.800
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**	**8.0**	**8.3**	**8.3**	**8.7**	**8.5**	**8.5**	**8.4**	**7.6**	**7.7**	**7.6**	**7.2**

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 1

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	1.0	0	0	1.0	0	0	0
Critical hours	1897.6	1633.2	2208.0	2209.0	2009.0	1789.8	2208.0	2209.0
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**1.7**	**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/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1.0	1.0	1.0	1.0	1.0	0
Critical hours	1897.6	1633.2	2208.0	2209.0	2009.0	1789.8	2208.0	2209.0
Indicator value	**0**	**0**	**0.9**	**1.8**	**2.6**	**3.4**	**3.4**	**2.6**

Licensee Comments:

4Q/06: On October 13, 2006, the NRC granted Quad Cities Unit 1 an NOED. Had the NOED not been granted, Quad Cities Unit 1 may have had an unplanned power change.

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	3	0	0	0
Indicator value	**1**	**2**	**2**	**1**	**4**	**3**	**3**	**3**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						3.70E-07	2.30E-07	1.70E-07
URI (ΔCDF)						-9.00E-08	-6.60E-08	-4.70E-07
PLE						NO	NO	NO
Indicator value						**2.80E-07**	**1.64E-07**	**-3.00E-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	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						4.50E-08	4.50E-08	3.10E-08
URI (ΔCDF)						-4.30E-08	-4.30E-08	-4.30E-08
PLE						NO	NO	NO
Indicator value						**2.00E-09**	**2.00E-09**	**-1.20E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						1.00E-08	8.40E-09	-1.20E-09
URI (ΔCDF)						-3.20E-08	-3.20E-08	-3.20E-08
PLE						NO	NO	NO
Indicator value						**-2.20E-08**	**-2.36E-08**	**-3.32E-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)						8.10E-08	8.10E-08	7.70E-08
URI (ΔCDF)						2.80E-09	2.80E-09	2.80E-09
PLE						NO	NO	NO
Indicator value						**8.38E-08**	**8.38E-08**	**7.98E-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	0.000260	0.000213	0.000233	0.000087	0.000081	0.000060	0.000055	0.000048	0.000046	0.000039	0.000040	0.000040
Technical specification limit	0.2	0.2	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**	**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	0.000040	0.000050	0.000065	0.000062	0.000062	0.000126	0.000126	0.000101	0.000133	0.000115	0.000119	0.000128
Technical specification limit	0.2	0.2	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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**
Maximum leakage	1.710	1.650	1.650	1.800	1.690	1.970	1.980	1.890	1.790	1.870	2.010	2.080
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	**6.8**	**6.6**	**6.6**	**7.2**	**6.8**	**7.9**	**7.9**	**7.6**	**7.2**	**7.5**	**8.0**	**8.3**
Reactor Coolant System Leakage	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**
Maximum leakage	2.070	2.180	2.130	2.130	2.090	1.910	1.920	1.890	1.800	1.760	1.700	1.720
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**	**8.7**	**8.5**	**8.5**	**8.4**	**7.6**	**7.7**	**7.6**	**7.2**	**7.0**	**6.8**	**6.9**

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.

Quad Cities 1

1Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned scrams	1.0	0	0	1.0	0	0	0	0
Critical hours	1633.2	2208.0	2209.0	2009.0	1789.8	2208.0	2209.0	2159.0
Indicator value	**0.9**	**0.9**	**0.9**	**1.7**	**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/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned power changes	0	1.0	1.0	1.0	1.0	1.0	0	0
Critical hours	1633.2	2208.0	2209.0	2009.0	1789.8	2208.0	2209.0	2159.0
Indicator value	**0**	**0.9**	**1.8**	**2.6**	**3.4**	**3.4**	**2.6**	**1.7**

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	3	0	0	0	0
Indicator value	**2**	**2**	**1**	**4**	**3**	**3**	**3**	**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)					1.40E-07	6.10E-08	1.10E-08	2.30E-09
URI (ΔCDF)					-8.70E-08	-6.30E-08	-4.70E-07	-5.20E-07
PLE					NO	NO	NO	NO
Indicator value					**5.30E-08**	**-2.00E-09**	**-4.59E-07**	**-5.18E-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)					4.40E-08	4.30E-08	3.00E-08	3.50E-08
URI (ΔCDF)					-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08
PLE					NO	NO	NO	NO
Indicator value					**1.00E-09**	**0.00E+00**	**-1.30E-08**	**-8.00E-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	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					5.50E-09	3.40E-09	-6.10E-09	-3.30E-09
URI (ΔCDF)					-3.20E-08	-3.20E-08	-3.20E-08	-3.20E-08
PLE					NO	NO	NO	NO
Indicator value					**-2.65E-08**	**-2.86E-08**	**-3.81E-08**	**-3.53E-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	-2.80E-08
URI (ΔCDF)					-1.30E-07	-1.30E-07	-1.30E-07	-1.20E-07
PLE					NO	NO	NO	NO
Indicator value					**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-1.48E-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)					8.20E-08	8.20E-08	7.70E-08	1.50E-07
URI (ΔCDF)					2.80E-09	2.80E-09	2.80E-09	2.80E-09
PLE					NO	NO	NO	NO
Indicator value					**8.48E-08**	**8.48E-08**	**7.98E-08**	**1.53E-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).

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	0.000087	0.000081	0.000060	0.000055	0.000048	0.000046	0.000039	0.000040	0.000040	0.000040	0.000050	0.000065
Technical specification limit	0.2	0.2	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	0.000062	0.000062	0.000126	0.000126	0.000101	0.000133	0.000115	0.000119	0.000128	0.000113	0.000126	0.000085
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**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	1.800	1.690	1.970	1.980	1.890	1.790	1.870	2.010	2.080	2.070	2.180	2.130
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**	**6.8**	**7.9**	**7.9**	**7.6**	**7.2**	**7.5**	**8.0**	**8.3**	**8.3**	**8.7**	**8.5**
Reactor Coolant System Leakage	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**
Maximum leakage	2.130	2.090	1.910	1.920	1.890	1.800	1.760	1.700	1.720	1.690	1.670	1.670
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	**8.5**	**8.4**	**7.6**	**7.7**	**7.6**	**7.2**	**7.0**	**6.8**	**6.9**	**6.8**	**6.7**	**6.7**

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 1

2Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	2009.0	1789.8	2208.0	2209.0	2159.0	1755.3
Indicator value	**0.9**	**0.9**	**1.7**	**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/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned power changes	1.0	1.0	1.0	1.0	1.0	0	0	0
Critical hours	2208.0	2209.0	2009.0	1789.8	2208.0	2209.0	2159.0	1755.3
Indicator value	**0.9**	**1.8**	**2.6**	**3.4**	**3.4**	**2.6**	**1.7**	**0.8**

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	3	0	0	0	0	0
Indicator value	**2**	**1**	**4**	**3**	**3**	**3**	**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)				1.40E-07	6.10E-08	1.10E-08	2.30E-09	-5.70E-08
URI (ΔCDF)				-8.70E-08	-6.30E-08	-4.70E-07	-5.20E-07	-5.40E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**5.30E-08**	**-2.00E-09**	**-4.59E-07**	**-5.18E-07**	**-5.97E-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)				4.40E-08	4.30E-08	3.00E-08	3.50E-08	6.40E-09
URI (ΔCDF)				-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08
PLE				NO	NO	NO	NO	NO
Indicator value				**1.00E-09**	**0.00E+00**	**-1.30E-08**	**-8.00E-09**	**-3.66E-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)				5.50E-09	3.40E-09	-6.10E-09	-3.30E-09	-2.30E-08
URI (ΔCDF)				-3.20E-08	-3.20E-08	-3.20E-08	-3.20E-08	-3.40E-08
PLE				NO	NO	NO	NO	NO
Indicator value				**-2.65E-08**	**-2.86E-08**	**-3.81E-08**	**-3.53E-08**	**-5.70E-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	-2.80E-08	-3.90E-08
URI (ΔCDF)				-1.30E-07	-1.30E-07	-1.30E-07	-1.20E-07	-1.20E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-1.48E-07**	**-1.59E-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)				8.20E-08	8.20E-08	7.70E-08	1.50E-07	1.50E-07
URI (ΔCDF)				4.20E-09	4.20E-09	4.20E-09	4.20E-09	4.20E-09
PLE				NO	NO	NO	NO	NO
Indicator value				**8.62E-08**	**8.62E-08**	**8.12E-08**	**1.54E-07**	**1.54E-07**

Licensee Comments:

2Q/07: A 4/14/05 failure of the 1D RHR Service Water pump that was originally determined not to be an MSPI failure was subsequently determined to be an MSPI failure based on investigation concerning a later similar failure. This affects the MSPI Cooling Water System indicator value from second quarter 2006 forward. The indicator did not change color.

1Q/07: 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.

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	0.000055	0.000048	0.000046	0.000039	0.000040	0.000040	0.000040	0.000050	0.000065	0.000062	0.000062	0.000126
Technical specification limit	0.2	0.2	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**	**0.1**
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	0.000126	0.000101	0.000133	0.000115	0.000119	0.000128	0.000113	0.000126	0.000085	0.000106	0.000053	0.000081
Technical specification limit	0.2	0.2	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**	**0.1**	**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	1.980	1.890	1.790	1.870	2.010	2.080	2.070	2.180	2.130	2.130	2.090	1.910
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	**7.9**	**7.6**	**7.2**	**7.5**	**8.0**	**8.3**	**8.3**	**8.7**	**8.5**	**8.5**	**8.4**	**7.6**
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	1.920	1.890	1.800	1.760	1.700	1.720	1.690	1.670	1.670	1.650	1.720	1.710
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**	**7.6**	**7.2**	**7.0**	**6.8**	**6.9**	**6.8**	**6.7**	**6.7**	**6.6**	**6.9**	**6.8**

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 1

3Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2209.0	2009.0	1789.8	2208.0	2209.0	2159.0	1755.3	2139.0
Indicator value	**0.9**	**1.7**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned power changes	1.0	1.0	1.0	1.0	0	0	0	0
Critical hours	2209.0	2009.0	1789.8	2208.0	2209.0	2159.0	1755.3	2139.0
Indicator value	**1.8**	**2.6**	**3.4**	**3.4**	**2.6**	**1.7**	**0.8**	**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	3	0	0	0	0	0	0
Indicator value	**1**	**4**	**3**	**3**	**3**	**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)			1.40E-07	6.10E-08	1.10E-08	2.30E-09	-5.70E-08	-3.30E-08
URI (ΔCDF)			-8.70E-08	-6.30E-08	-4.70E-07	-5.20E-07	-5.40E-07	-5.30E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**5.30E-08**	**-2.00E-09**	**-4.59E-07**	**-5.18E-07**	**-5.97E-07**	**-5.63E-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)			4.40E-08	4.30E-08	3.00E-08	3.50E-08	6.40E-09	4.40E-08
URI (ΔCDF)			-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**1.00E-09**	**0.00E+00**	**-1.30E-08**	**-8.00E-09**	**-3.66E-08**	**1.00E-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	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			5.50E-09	3.40E-09	-6.10E-09	-3.30E-09	-2.30E-08	-2.10E-08
URI (ΔCDF)			-3.20E-08	-3.20E-08	-3.20E-08	-3.20E-08	-3.40E-08	-3.40E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-2.65E-08**	**-2.86E-08**	**-3.81E-08**	**-3.53E-08**	**-5.70E-08**	**-5.50E-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	**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	-2.80E-08	-3.90E-08	-5.00E-08
URI (ΔCDF)			-1.30E-07	-1.30E-07	-1.30E-07	-1.20E-07	-1.20E-07	-1.20E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-1.48E-07**	**-1.59E-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	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			8.20E-08	8.20E-08	7.70E-08	1.50E-07	1.50E-07	1.60E-07
URI (ΔCDF)			4.20E-09	4.20E-09	4.20E-09	4.20E-09	4.20E-09	4.20E-09
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**8.62E-08**	**8.62E-08**	**8.12E-08**	**1.54E-07**	**1.54E-07**	**1.64E-07**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**
Maximum activity	0.000039	0.000040	0.000040	0.000040	0.000050	0.000065	0.000062	0.000062	0.000126	0.000126	0.000101	0.000133
Technical specification limit	0.2	0.2	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**	**0.1**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Activity	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**
Maximum activity	0.000115	0.000119	0.000128	0.000113	0.000126	0.000085	0.000106	0.000053	0.000081	0.000054	0.000063	0.000046
Technical specification limit	0.2	0.2	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**	**0.1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**
Maximum leakage	1.870	2.010	2.080	2.070	2.180	2.130	2.130	2.090	1.910	1.920	1.890	1.800
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**	**8.0**	**8.3**	**8.3**	**8.7**	**8.5**	**8.5**	**8.4**	**7.6**	**7.7**	**7.6**	**7.2**
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	1.760	1.700	1.720	1.690	1.670	1.670	1.650	1.720	1.710	1.690	1.910	1.920
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**	**6.8**	**6.9**	**6.8**	**6.7**	**6.7**	**6.6**	**6.9**	**6.8**	**6.8**	**7.6**	**7.7**

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 1

4Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	2009.0	1789.8	2208.0	2209.0	2159.0	1755.3	2139.0	2209.0
Indicator value	**1.7**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned power changes	1.0	1.0	1.0	0	0	0	0	0
Critical hours	2009.0	1789.8	2208.0	2209.0	2159.0	1755.3	2139.0	2209.0
Indicator value	**2.6**	**3.4**	**3.4**	**2.6**	**1.7**	**0.8**	**0**	**0**

Licensee Comments:

4Q/07: A FAQ has been submitted, whose outcome could impact previously submitted data for this indicator. A power change in September was submitted as a planned change but this designation has been challenged as potentially an unplanned change.

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	3	0	0	0	0	0	0	0
Indicator value	**4**	**3**	**3**	**3**	**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)		1.40E-07	6.10E-08	1.10E-08	2.30E-09	-5.70E-08	-3.30E-08	-7.00E-08
URI (ΔCDF)		-8.70E-08	-6.30E-08	-4.70E-07	-5.20E-07	-5.40E-07	-5.30E-07	-1.30E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**5.30E-08**	**-2.00E-09**	**-4.59E-07**	**-5.18E-07**	**-5.97E-07**	**-5.63E-07**	**-2.00E-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	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		4.40E-08	4.30E-08	3.00E-08	3.50E-08	6.40E-09	4.40E-08	4.00E-08
URI (ΔCDF)		-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.20E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**1.00E-09**	**0.00E+00**	**-1.30E-08**	**-8.00E-09**	**-3.66E-08**	**1.00E-09**	**-2.00E-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/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		5.50E-09	3.40E-09	-6.10E-09	-3.30E-09	-2.30E-08	-2.10E-08	-2.10E-08
URI (ΔCDF)		-3.20E-08	-3.20E-08	-3.20E-08	-3.20E-08	-3.40E-08	-3.40E-08	-3.40E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-2.65E-08**	**-2.86E-08**	**-3.81E-08**	**-3.53E-08**	**-5.70E-08**	**-5.50E-08**	**-5.50E-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/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	-2.80E-08	-3.90E-08	-5.00E-08	-7.10E-08
URI (ΔCDF)		-1.30E-07	-1.30E-07	-1.30E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-1.48E-07**	**-1.59E-07**	**-1.70E-07**	**-1.91E-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)		8.20E-08	8.20E-08	7.70E-08	1.50E-07	1.50E-07	1.60E-07	1.10E-07
URI (ΔCDF)		4.20E-09	4.20E-09	4.20E-09	4.20E-09	4.20E-09	4.20E-09	4.20E-09
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**8.62E-08**	**8.62E-08**	**8.12E-08**	**1.54E-07**	**1.54E-07**	**1.64E-07**	**1.14E-07**

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	0.000040	0.000050	0.000065	0.000062	0.000062	0.000126	0.000126	0.000101	0.000133	0.000115	0.000119	0.000128
Technical specification limit	0.2	0.2	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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
Reactor Coolant System Activity	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**
Maximum activity	0.000113	0.000126	0.000085	0.000106	0.000053	0.000081	0.000054	0.000063	0.000046	0.000052	0.000099	0.000063
Technical specification limit	0.2	0.2	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**
Maximum leakage	2.070	2.180	2.130	2.130	2.090	1.910	1.920	1.890	1.800	1.760	1.700	1.720
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**	**8.7**	**8.5**	**8.5**	**8.4**	**7.6**	**7.7**	**7.6**	**7.2**	**7.0**	**6.8**	**6.9**
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	1.690	1.670	1.670	1.650	1.720	1.710	1.690	1.910	1.920	1.600	1.590	1.560
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	**6.8**	**6.7**	**6.7**	**6.6**	**6.9**	**6.8**	**6.8**	**7.6**	**7.7**	**6.4**	**6.4**	**6.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful opportunities	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 1

1Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1789.8	2208.0	2209.0	2159.0	1755.3	2139.0	2209.0	2183.0
Indicator value	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**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	1.0	1.0	0	0	0	0	0	0
Critical hours	1789.8	2208.0	2209.0	2159.0	1755.3	2139.0	2209.0	2183.0
Indicator value	**3.4**	**3.4**	**2.6**	**1.7**	**0.8**	**0**	**0**	**0**

Licensee Comments:

1Q/08: A FAQ has been submitted, whose outcome could impact previously submitted data for this indicator. A power change in September was submitted as a planned change but this designation has been challenged as potentially an unplanned change.

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

Licensee Comments:

1Q/08: LER 1-07-002, 1/15/08, Safety Function Not Met Due to Out of Tolerance Turbine First Stage Pressure Switches.
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)	1.40E-07	6.10E-08	1.10E-08	2.30E-09	-5.70E-08	-3.30E-08	-7.00E-08	4.70E-08
URI (ΔCDF)	-8.70E-08	-6.30E-08	-4.70E-07	-5.20E-07	-5.40E-07	-5.30E-07	-5.10E-07	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.30E-08**	**-2.00E-09**	**-4.59E-07**	**-5.18E-07**	**-5.97E-07**	**-5.63E-07**	**-5.80E-07**	**-6.30E-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)	4.40E-08	4.30E-08	3.00E-08	3.50E-08	6.40E-09	4.40E-08	4.00E-08	2.40E-08
URI (ΔCDF)	-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.20E-08	-3.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-09**	**0.00E+00**	**-1.30E-08**	**-8.00E-09**	**-3.66E-08**	**1.00E-09**	**-2.00E-09**	**-1.20E-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)	5.50E-09	3.40E-09	-6.10E-09	-3.30E-09	-2.30E-08	-2.10E-08	-2.10E-08	-1.70E-08
URI (ΔCDF)	-3.20E-08	-3.20E-08	-3.20E-08	-3.20E-08	-3.40E-08	-3.40E-08	-3.40E-08	9.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.65E-08**	**-2.86E-08**	**-3.81E-08**	**-3.53E-08**	**-5.70E-08**	**-5.50E-08**	**-5.50E-08**	**7.80E-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	-2.80E-08	-3.90E-08	-5.00E-08	-7.10E-08	-5.60E-08
URI (ΔCDF)	-1.30E-07	-1.30E-07	-1.30E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-9.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.07E-07**	**-2.07E-07**	**-2.07E-07**	**-1.48E-07**	**-1.59E-07**	**-1.70E-07**	**-1.91E-07**	**-1.53E-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)	8.20E-08	8.20E-08	7.70E-08	1.50E-07	1.50E-07	1.60E-07	1.10E-07	-9.40E-09
URI (ΔCDF)	4.20E-09	4.20E-09	4.20E-09	4.20E-09	4.20E-09	4.20E-09	4.20E-09	2.80E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.62E-08**	**8.62E-08**	**8.12E-08**	**1.54E-07**	**1.54E-07**	**1.64E-07**	**1.14E-07**	**-6.60E-09**

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	0.000062	0.000062	0.000126	0.000126	0.000101	0.000133	0.000115	0.000119	0.000128	0.000113	0.000126	0.000085
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**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	0.000106	0.000053	0.000081	0.000054	0.000063	0.000046	0.000052	0.000099	0.000063	0.000055	0.000062	0.000393
Technical specification limit	0.2	0.2	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.2**

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	2.130	2.090	1.910	1.920	1.890	1.800	1.760	1.700	1.720	1.690	1.670	1.670
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	**8.5**	**8.4**	**7.6**	**7.7**	**7.6**	**7.2**	**7.0**	**6.8**	**6.9**	**6.8**	**6.7**	**6.7**
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	1.650	1.720	1.710	1.690	1.910	1.920	1.600	1.590	1.560	1.560	1.560	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	**6.6**	**6.9**	**6.8**	**6.8**	**7.6**	**7.7**	**6.4**	**6.4**	**6.2**	**6.2**	**6.2**	**6.2**

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

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2Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1755.3	2139.0	2209.0	2183.0	2184.0
Indicator value	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1755.3	2139.0	2209.0	2183.0	2184.0
Indicator value	**3.4**	**2.6**	**1.7**	**0.8**	**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	2	0
Indicator value	**3**	**3**	**0**	**0**	**0**	**0**	**2**	**2**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	6.10E-08	1.10E-08	2.30E-09	-5.70E-08	-3.30E-08	-7.00E-08	4.70E-08	9.90E-11
URI (ΔCDF)	-6.30E-08	-4.70E-07	-5.20E-07	-5.40E-07	-5.30E-07	-5.10E-07	-1.10E-07	-9.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.00E-09**	**-4.59E-07**	**-5.18E-07**	**-5.97E-07**	**-5.63E-07**	**-5.80E-07**	**-6.30E-08**	**-9.59E-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)	4.30E-08	3.00E-08	3.50E-08	6.40E-09	4.40E-08	4.00E-08	2.40E-08	2.40E-08
URI (ΔCDF)	-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.20E-08	-3.60E-08	-3.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**0.00E+00**	**-1.30E-08**	**-8.00E-09**	**-3.66E-08**	**1.00E-09**	**-2.00E-09**	**-1.20E-08**	**-1.00E-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	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**
UAI (ΔCDF)	3.40E-09	-6.10E-09	-3.30E-09	-2.30E-08	-2.10E-08	-2.10E-08	-1.70E-08	-1.70E-08
URI (ΔCDF)	-3.20E-08	-3.20E-08	-3.20E-08	-3.40E-08	-3.40E-08	-3.40E-08	9.50E-08	9.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.86E-08**	**-3.81E-08**	**-3.53E-08**	**-5.70E-08**	**-5.50E-08**	**-5.50E-08**	**7.80E-08**	**8.20E-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	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	-7.70E-08	-7.70E-08	-2.80E-08	-3.90E-08	-5.00E-08	-7.10E-08	-5.60E-08	-2.70E-08
URI (ΔCDF)	-1.30E-07	-1.30E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-9.70E-08	-9.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.07E-07**	**-2.07E-07**	**-1.48E-07**	**-1.59E-07**	**-1.70E-07**	**-1.91E-07**	**-1.53E-07**	**-1.24E-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)	8.20E-08	7.70E-08	1.50E-07	1.50E-07	1.60E-07	1.10E-07	-9.40E-09	3.20E-08
URI (ΔCDF)	4.20E-09	4.20E-09	4.20E-09	4.20E-09	4.20E-09	4.20E-09	2.80E-09	1.90E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.62E-08**	**8.12E-08**	**1.54E-07**	**1.54E-07**	**1.64E-07**	**1.14E-07**	**-6.60E-09**	**3.39E-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	0.000126	0.000101	0.000133	0.000115	0.000119	0.000128	0.000113	0.000126	0.000085	0.000106	0.000053	0.000081
Technical specification limit	0.2	0.2	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**	**0.1**	**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	0.000054	0.000063	0.000046	0.000052	0.000099	0.000063	0.000055	0.000062	0.000393	0.000031	0.000041	0.000042
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.2**	**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	1.920	1.890	1.800	1.760	1.700	1.720	1.690	1.670	1.670	1.650	1.720	1.710
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**	**7.6**	**7.2**	**7.0**	**6.8**	**6.9**	**6.8**	**6.7**	**6.7**	**6.6**	**6.9**	**6.8**
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	1.690	1.910	1.920	1.600	1.590	1.560	1.560	1.560	1.540	1.550	1.550	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	**6.8**	**7.6**	**7.7**	**6.4**	**6.4**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful opportunities	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.

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3Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	1755.3	2139.0	2209.0	2183.0	2184.0	2208.0
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	1755.3	2139.0	2209.0	2183.0	2184.0	2208.0
Indicator value	**2.6**	**1.7**	**0.8**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

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

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)	1.10E-08	2.30E-09	-5.70E-08	-3.30E-08	-7.00E-08	4.70E-08	9.90E-11	4.70E-09
URI (ΔCDF)	-4.70E-07	-5.20E-07	-5.40E-07	-5.30E-07	-5.10E-07	-1.10E-07	-9.60E-08	-9.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.59E-07**	**-5.18E-07**	**-5.97E-07**	**-5.63E-07**	**-5.80E-07**	**-6.30E-08**	**-9.59E-08**	**-9.23E-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)	3.00E-08	3.50E-08	6.40E-09	4.40E-08	4.00E-08	2.40E-08	2.40E-08	2.40E-08
URI (ΔCDF)	-4.30E-08	-4.30E-08	-4.30E-08	-4.30E-08	-4.20E-08	-3.60E-08	-3.40E-08	-3.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-8.00E-09**	**-3.66E-08**	**1.00E-09**	**-2.00E-09**	**-1.20E-08**	**-1.00E-08**	**-1.00E-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/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	-6.10E-09	-3.30E-09	-2.30E-08	-2.10E-08	-2.10E-08	-1.70E-08	-1.70E-08	-1.70E-08
URI (ΔCDF)	-3.20E-08	-3.20E-08	-3.40E-08	-3.40E-08	-3.40E-08	9.50E-08	9.90E-08	9.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.81E-08**	**-3.53E-08**	**-5.70E-08**	**-5.50E-08**	**-5.50E-08**	**7.80E-08**	**8.20E-08**	**8.20E-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/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	-7.70E-08	-2.80E-08	-3.90E-08	-5.00E-08	-7.10E-08	-5.60E-08	-2.70E-08	-2.70E-08
URI (ΔCDF)	-1.30E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-9.70E-08	-9.70E-08	-9.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.07E-07**	**-1.48E-07**	**-1.59E-07**	**-1.70E-07**	**-1.91E-07**	**-1.53E-07**	**-1.24E-07**	**-1.24E-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)	7.70E-08	1.50E-07	1.50E-07	1.60E-07	1.10E-07	-9.40E-09	3.20E-08	3.20E-08
URI (ΔCDF)	4.20E-09	4.20E-09	4.20E-09	4.20E-09	4.20E-09	2.80E-09	1.90E-09	1.90E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.12E-08**	**1.54E-07**	**1.54E-07**	**1.64E-07**	**1.14E-07**	**-6.60E-09**	**3.39E-08**	**3.39E-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	0.000115	0.000119	0.000128	0.000113	0.000126	0.000085	0.000106	0.000053	0.000081	0.000054	0.000063	0.000046
Technical specification limit	0.2	0.2	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**	**0.1**	**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	0.000052	0.000099	0.000063	0.000055	0.000062	0.000393	0.000031	0.000041	0.000042	0.000052	0.000072	0.000053
Technical specification limit	0.2	0.2	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**	**0.2**	**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	1.760	1.700	1.720	1.690	1.670	1.670	1.650	1.720	1.710	1.690	1.910	1.920
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**	**6.8**	**6.9**	**6.8**	**6.7**	**6.7**	**6.6**	**6.9**	**6.8**	**6.8**	**7.6**	**7.7**
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	1.600	1.590	1.560	1.560	1.560	1.540	1.550	1.550	1.550	1.620	1.620	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	**6.4**	**6.4**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.5**	**6.5**	**6.3**

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

Quad Cities 1

4Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	1755.3	2139.0	2209.0	2183.0	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/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	1755.3	2139.0	2209.0	2183.0	2184.0	2208.0	2209.0
Indicator value	**1.7**	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	2.30E-09	-5.70E-08	-3.30E-08	-7.00E-08	4.70E-08	9.90E-11	4.70E-09	5.40E-08
URI (ΔCDF)	-5.20E-07	-5.40E-07	-5.30E-07	-5.10E-07	-1.10E-07	-9.60E-08	-9.70E-08	-1.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.18E-07**	**-5.97E-07**	**-5.63E-07**	**-5.80E-07**	**-6.30E-08**	**-9.59E-08**	**-9.23E-08**	**-9.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	3.50E-08	6.40E-09	4.40E-08	4.00E-08	2.40E-08	2.40E-08	2.40E-08	2.10E-08
URI (ΔCDF)	-4.30E-08	-4.30E-08	-4.30E-08	-4.20E-08	-3.60E-08	-3.40E-08	-3.40E-08	-3.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.00E-09**	**-3.66E-08**	**1.00E-09**	**-2.00E-09**	**-1.20E-08**	**-1.00E-08**	**-1.00E-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/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	-3.30E-09	-2.30E-08	-2.10E-08	-2.10E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08
URI (ΔCDF)	-3.20E-08	-3.40E-08	-3.40E-08	-3.40E-08	9.50E-08	9.90E-08	9.90E-08	9.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.53E-08**	**-5.70E-08**	**-5.50E-08**	**-5.50E-08**	**7.80E-08**	**8.20E-08**	**8.20E-08**	**8.20E-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	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	-2.80E-08	-3.90E-08	-5.00E-08	-7.10E-08	-5.60E-08	-2.70E-08	-2.70E-08	-1.10E-08
URI (ΔCDF)	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.48E-07**	**-1.59E-07**	**-1.70E-07**	**-1.91E-07**	**-1.53E-07**	**-1.24E-07**	**-1.24E-07**	**-1.08E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	1.50E-07	1.50E-07	1.60E-07	1.10E-07	-9.40E-09	3.20E-08	3.20E-08	3.10E-08
URI (ΔCDF)	4.20E-09	4.20E-09	4.20E-09	4.20E-09	2.80E-09	1.90E-09	1.90E-09	1.90E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.54E-07**	**1.54E-07**	**1.64E-07**	**1.14E-07**	**-6.60E-09**	**3.39E-08**	**3.39E-08**	**3.29E-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	0.000113	0.000126	0.000085	0.000106	0.000053	0.000081	0.000054	0.000063	0.000046	0.000052	0.000099	0.000063
Technical specification limit	0.2	0.2	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**	**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	0.000055	0.000062	0.000393	0.000031	0.000041	0.000042	0.000052	0.000072	0.000053	0.000059	0.000027	0.000084
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0.2**	**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	1.690	1.670	1.670	1.650	1.720	1.710	1.690	1.910	1.920	1.600	1.590	1.560
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	**6.8**	**6.7**	**6.7**	**6.6**	**6.9**	**6.8**	**6.8**	**7.6**	**7.7**	**6.4**	**6.4**	**6.2**
Reactor Coolant System Leakage	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**
Maximum leakage	1.560	1.560	1.540	1.550	1.550	1.550	1.620	1.620	1.570	1.570	1.570	1.610
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**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.5**	**6.5**	**6.3**	**6.3**	**6.3**	**6.4**

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 1

1Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1755.3	2139.0	2209.0	2183.0	2184.0	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1755.3	2139.0	2209.0	2183.0	2184.0	2208.0	2209.0	2159.0
Indicator value	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**
UAI (ΔCDF)	-5.70E-08	-3.30E-08	-7.00E-08	4.70E-08	9.90E-11	4.70E-09	5.40E-08	6.80E-08
URI (ΔCDF)	-5.40E-07	-5.30E-07	-5.10E-07	-1.10E-07	-9.60E-08	-9.70E-08	-1.50E-07	-1.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.97E-07**	**-5.63E-07**	**-5.80E-07**	**-6.30E-08**	**-9.59E-08**	**-9.23E-08**	**-9.60E-08**	**-9.20E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**
UAI (ΔCDF)	6.40E-09	4.40E-08	4.00E-08	2.40E-08	2.40E-08	2.40E-08	2.10E-08	3.80E-08
URI (ΔCDF)	-4.30E-08	-4.30E-08	-4.20E-08	-3.60E-08	-3.40E-08	-3.40E-08	-3.40E-08	-3.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.66E-08**	**1.00E-09**	**-2.00E-09**	**-1.20E-08**	**-1.00E-08**	**-1.00E-08**	**-1.30E-08**	**4.00E-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	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**
UAI (ΔCDF)	-2.30E-08	-2.10E-08	-2.10E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.00E-08
URI (ΔCDF)	-3.40E-08	-3.40E-08	-3.40E-08	9.50E-08	9.90E-08	9.90E-08	9.90E-08	9.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.70E-08**	**-5.50E-08**	**-5.50E-08**	**7.80E-08**	**8.20E-08**	**8.20E-08**	**8.20E-08**	**8.90E-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/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	-3.90E-08	-5.00E-08	-7.10E-08	-5.60E-08	-2.70E-08	-2.70E-08	-1.10E-08	1.10E-08
URI (ΔCDF)	-1.20E-07	-1.20E-07	-1.20E-07	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.59E-07**	**-1.70E-07**	**-1.91E-07**	**-1.53E-07**	**-1.24E-07**	**-1.24E-07**	**-1.08E-07**	**-8.60E-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/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	1.50E-07	1.60E-07	1.10E-07	-9.40E-09	3.20E-08	3.20E-08	3.10E-08	6.90E-08
URI (ΔCDF)	4.20E-09	4.20E-09	4.20E-09	2.80E-09	1.90E-09	1.90E-09	1.90E-09	1.90E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.54E-07**	**1.64E-07**	**1.14E-07**	**-6.60E-09**	**3.39E-08**	**3.39E-08**	**3.29E-08**	**7.09E-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	0.000106	0.000053	0.000081	0.000054	0.000063	0.000046	0.000052	0.000099	0.000063	0.000055	0.000062	0.000393
Technical specification limit	0.2	0.2	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.2**
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	0.000031	0.000041	0.000042	0.000052	0.000072	0.000053	0.000059	0.000027	0.000084	0.000035	0.000145	0.000040
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**
Maximum leakage	1.650	1.720	1.710	1.690	1.910	1.920	1.600	1.590	1.560	1.560	1.560	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	**6.6**	**6.9**	**6.8**	**6.8**	**7.6**	**7.7**	**6.4**	**6.4**	**6.2**	**6.2**	**6.2**	**6.2**
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	1.550	1.550	1.550	1.620	1.620	1.570	1.570	1.570	1.610	1.610	1.630	1.620
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**	**6.2**	**6.2**	**6.5**	**6.5**	**6.3**	**6.3**	**6.3**	**6.4**	**6.4**	**6.5**	**6.5**

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 1

2Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2139.0	2209.0	2183.0	2184.0	2208.0	2209.0	2159.0	1439.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2139.0	2209.0	2183.0	2184.0	2208.0	2209.0	2159.0	1439.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/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	2	0	1	0	0	1
Indicator value	**0**	**0**	**2**	**2**	**3**	**3**	**1**	**2**

Licensee Comments:

2Q/09: LER 1-09-001, Failure of 1-0202-5B, Unit 1 Reactor Recirculation Pump discharge motor operated valve, to close.

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)	-3.30E-08	-7.00E-08	4.70E-08	9.90E-11	4.70E-09	5.40E-08	6.80E-08	7.10E-08
URI (ΔCDF)	-5.30E-07	-5.10E-07	-1.10E-07	-9.60E-08	-9.70E-08	-1.50E-07	-1.60E-07	-1.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.63E-07**	**-5.80E-07**	**-6.30E-08**	**-9.59E-08**	**-9.23E-08**	**-9.60E-08**	**-9.20E-08**	**-8.90E-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/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**
UAI (ΔCDF)	4.40E-08	4.00E-08	2.40E-08	2.40E-08	2.40E-08	2.10E-08	3.80E-08	3.90E-08
URI (ΔCDF)	-4.30E-08	-4.20E-08	-3.60E-08	-3.40E-08	-3.40E-08	-3.40E-08	-3.40E-08	-3.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-09**	**-2.00E-09**	**-1.20E-08**	**-1.00E-08**	**-1.00E-08**	**-1.30E-08**	**4.00E-09**	**0.00E+00**

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)	-2.10E-08	-2.10E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.00E-08	-4.90E-09
URI (ΔCDF)	-3.40E-08	-3.40E-08	9.50E-08	9.90E-08	9.90E-08	9.90E-08	9.90E-08	8.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.50E-08**	**-5.50E-08**	**7.80E-08**	**8.20E-08**	**8.20E-08**	**8.20E-08**	**8.90E-08**	**7.71E-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)	-5.00E-08	-7.10E-08	-5.60E-08	-2.70E-08	-2.70E-08	-1.10E-08	1.10E-08	1.30E-08
URI (ΔCDF)	-1.20E-07	-1.20E-07	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-07**	**-1.91E-07**	**-1.53E-07**	**-1.24E-07**	**-1.24E-07**	**-1.08E-07**	**-8.60E-08**	**-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	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	1.60E-07	1.10E-07	-9.40E-09	3.20E-08	3.20E-08	3.10E-08	6.90E-08	7.20E-08
URI (ΔCDF)	4.20E-09	4.20E-09	2.80E-09	1.90E-09	1.90E-09	1.90E-09	1.90E-09	-9.60E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.64E-07**	**1.14E-07**	**-6.60E-09**	**3.39E-08**	**3.39E-08**	**3.29E-08**	**7.09E-08**	**7.10E-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	0.000054	0.000063	0.000046	0.000052	0.000099	0.000063	0.000055	0.000062	0.000393	0.000031	0.000041	0.000042
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.2**	**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	0.000052	0.000072	0.000053	0.000059	0.000027	0.000084	0.000035	0.000145	0.000040	0.000041	N/A	0.000060
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**N/A**	**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	1.690	1.910	1.920	1.600	1.590	1.560	1.560	1.560	1.540	1.550	1.550	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	**6.8**	**7.6**	**7.7**	**6.4**	**6.4**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**
Reactor Coolant System Leakage	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**
Maximum leakage	1.620	1.620	1.570	1.570	1.570	1.610	1.610	1.630	1.620	1.740	1.670	1.910
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**	**6.5**	**6.3**	**6.3**	**6.3**	**6.4**	**6.4**	**6.5**	**6.5**	**7.0**	**6.7**	**7.6**

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

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Participating Key personnel	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: Resubmitted. Previous submittal did not accurately account for the correct start date of an individual and this correction adds the new member to the total. This change does not change the indicator color.

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 1

3Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2183.0	2184.0	2208.0	2209.0	2159.0	1439.0	2145.4
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2209.0	2183.0	2184.0	2208.0	2209.0	2159.0	1439.0	2145.4
Indicator value	**0**	**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/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	2	0	1	0	0	1	1
Indicator value	**0**	**2**	**2**	**3**	**3**	**1**	**2**	**2**

Licensee Comments:

3Q/09: LER 1-09-002, 7/23/09, Inoperable RCIC Primary Containment Isolation Valves

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)	-7.00E-08	4.70E-08	9.90E-11	4.70E-09	5.40E-08	6.80E-08	7.10E-08	9.70E-08
URI (ΔCDF)	-5.10E-07	-1.10E-07	-9.60E-08	-9.70E-08	-1.50E-07	-1.60E-07	-1.60E-07	-1.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.80E-07**	**-6.30E-08**	**-9.59E-08**	**-9.23E-08**	**-9.60E-08**	**-9.20E-08**	**-8.90E-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	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	4.00E-08	2.40E-08	2.40E-08	2.40E-08	2.10E-08	3.80E-08	3.90E-08	4.20E-08
URI (ΔCDF)	-4.20E-08	-3.60E-08	-3.40E-08	-3.40E-08	-3.40E-08	-3.40E-08	-3.90E-08	-4.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.00E-09**	**-1.20E-08**	**-1.00E-08**	**-1.00E-08**	**-1.30E-08**	**4.00E-09**	**0.00E+00**	**2.00E-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	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	-2.10E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.00E-08	-4.90E-09	-4.30E-09
URI (ΔCDF)	-3.40E-08	9.50E-08	9.90E-08	9.90E-08	9.90E-08	9.90E-08	8.20E-08	8.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.50E-08**	**7.80E-08**	**8.20E-08**	**8.20E-08**	**8.20E-08**	**8.90E-08**	**7.71E-08**	**7.77E-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)	-7.10E-08	-5.60E-08	-2.70E-08	-2.70E-08	-1.10E-08	1.10E-08	1.30E-08	1.40E-08
URI (ΔCDF)	-1.20E-07	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.91E-07**	**-1.53E-07**	**-1.24E-07**	**-1.24E-07**	**-1.08E-07**	**-8.60E-08**	**-8.40E-08**	**-8.30E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	1.10E-07	-9.40E-09	3.20E-08	3.20E-08	3.10E-08	6.90E-08	7.20E-08	7.20E-08
URI (ΔCDF)	4.20E-09	2.80E-09	1.90E-09	1.90E-09	1.90E-09	1.90E-09	-9.60E-10	-9.60E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.14E-07**	**-6.60E-09**	**3.39E-08**	**3.39E-08**	**3.29E-08**	**7.09E-08**	**7.10E-08**	**7.10E-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	0.000052	0.000099	0.000063	0.000055	0.000062	0.000393	0.000031	0.000041	0.000042	0.000052	0.000072	0.000053
Technical specification limit	0.2	0.2	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**	**0.2**	**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	0.000059	0.000027	0.000084	0.000035	0.000145	0.000040	0.000041	N/A	0.000060	0.000086	0.000107	0.000107
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**N/A**	**0**	**0**	**0.1**	**0.1**

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	1.600	1.590	1.560	1.560	1.560	1.540	1.550	1.550	1.550	1.620	1.620	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	**6.4**	**6.4**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.5**	**6.5**	**6.3**
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	1.570	1.570	1.610	1.610	1.630	1.620	1.740	1.670	1.910	1.630	1.720	1.760
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**	**6.4**	**6.4**	**6.5**	**6.5**	**7.0**	**6.7**	**7.6**	**6.5**	**6.9**	**7.0**

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 1

4Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2184.0	2208.0	2209.0	2159.0	1439.0	2145.4	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2183.0	2184.0	2208.0	2209.0	2159.0	1439.0	2145.4	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/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	2	0	1	0	0	1	1	0
Indicator value	**2**	**2**	**3**	**3**	**1**	**2**	**2**	**2**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	4.70E-08	9.90E-11	4.70E-09	5.40E-08	6.80E-08	7.10E-08	9.70E-08	9.60E-08
URI (ΔCDF)	-1.10E-07	-9.60E-08	-9.70E-08	-1.50E-07	-1.60E-07	-1.60E-07	-1.60E-07	-7.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.30E-08**	**-9.59E-08**	**-9.23E-08**	**-9.60E-08**	**-9.20E-08**	**-8.90E-08**	**-6.30E-08**	**2.50E-08**

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)	2.40E-08	2.40E-08	2.40E-08	2.10E-08	3.80E-08	3.90E-08	4.20E-08	4.20E-08
URI (ΔCDF)	-3.60E-08	-3.40E-08	-3.40E-08	-3.40E-08	-3.40E-08	-3.90E-08	-4.00E-08	-4.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-08**	**-1.00E-08**	**-1.00E-08**	**-1.30E-08**	**4.00E-09**	**0.00E+00**	**2.00E-09**	**2.00E-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/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.00E-08	-4.90E-09	-4.30E-09	-3.60E-09
URI (ΔCDF)	9.50E-08	9.90E-08	9.90E-08	9.90E-08	9.90E-08	8.20E-08	8.20E-08	8.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.80E-08**	**8.20E-08**	**8.20E-08**	**8.20E-08**	**8.90E-08**	**7.71E-08**	**7.77E-08**	**7.84E-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)	-5.60E-08	-2.70E-08	-2.70E-08	-1.10E-08	1.10E-08	1.30E-08	1.40E-08	-1.10E-08
URI (ΔCDF)	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.53E-07**	**-1.24E-07**	**-1.24E-07**	**-1.08E-07**	**-8.60E-08**	**-8.40E-08**	**-8.30E-08**	**-1.08E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (ΔCDF)	-9.40E-09	3.20E-08	3.20E-08	3.10E-08	6.90E-08	7.20E-08	7.20E-08	9.00E-08
URI (ΔCDF)	2.80E-09	1.90E-09	1.90E-09	1.90E-09	1.90E-09	-9.60E-10	-9.60E-10	-9.60E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.60E-09**	**3.39E-08**	**3.39E-08**	**3.29E-08**	**7.09E-08**	**7.10E-08**	**7.10E-08**	**8.90E-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	0.000055	0.000062	0.000393	0.000031	0.000041	0.000042	0.000052	0.000072	0.000053	0.000059	0.000027	0.000084
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0.2**	**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	0.000035	0.000145	0.000040	0.000041	N/A	0.000060	0.000086	0.000107	0.000107	0.000138	0.000105	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**	**0.1**	**0**	**0**	**N/A**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**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	1.560	1.560	1.540	1.550	1.550	1.550	1.620	1.620	1.570	1.570	1.570	1.610
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**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.5**	**6.5**	**6.3**	**6.3**	**6.3**	**6.4**
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	1.610	1.630	1.620	1.740	1.670	1.910	1.630	1.720	1.760	1.630	1.670	1.810
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	**6.4**	**6.5**	**6.5**	**7.0**	**6.7**	**7.6**	**6.5**	**6.9**	**7.0**	**6.5**	**6.7**	**7.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful opportunities	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 1

1Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	1439.0	2145.4	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	1439.0	2145.4	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	9.90E-11	4.70E-09	5.40E-08	6.80E-08	7.10E-08	9.70E-08	9.60E-08	1.07E-07
URI (ΔCDF)	-9.60E-08	-9.70E-08	-1.50E-07	-1.60E-07	-1.60E-07	-1.60E-07	-7.10E-08	-6.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.59E-08**	**-9.23E-08**	**-9.60E-08**	**-9.20E-08**	**-8.90E-08**	**-6.30E-08**	**2.50E-08**	**4.00E-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	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	2.40E-08	2.40E-08	2.10E-08	3.80E-08	3.90E-08	4.20E-08	4.20E-08	4.16E-08
URI (ΔCDF)	-3.40E-08	-3.40E-08	-3.40E-08	-3.40E-08	-3.90E-08	-4.00E-08	-4.00E-08	-4.03E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-08**	**-1.00E-08**	**-1.30E-08**	**4.00E-09**	**0.00E+00**	**2.00E-09**	**2.00E-09**	**1.30E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	-1.70E-08	-1.70E-08	-1.70E-08	-1.00E-08	-4.90E-09	-4.30E-09	-3.60E-09	-1.90E-09
URI (ΔCDF)	9.90E-08	9.90E-08	9.90E-08	9.90E-08	8.20E-08	8.20E-08	8.20E-08	8.24E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.20E-08**	**8.20E-08**	**8.20E-08**	**8.90E-08**	**7.71E-08**	**7.77E-08**	**7.84E-08**	**8.00E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	-2.70E-08	-2.70E-08	-1.10E-08	1.10E-08	1.30E-08	1.40E-08	-1.10E-08	-5.90E-08
URI (ΔCDF)	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08	-1.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.24E-07**	**-1.24E-07**	**-1.08E-07**	**-8.60E-08**	**-8.40E-08**	**-8.30E-08**	**-1.08E-07**	**-1.60E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (ΔCDF)	3.20E-08	3.20E-08	3.10E-08	6.90E-08	7.20E-08	7.20E-08	9.00E-08	2.76E-08
URI (ΔCDF)	1.90E-09	1.90E-09	1.90E-09	1.90E-09	-9.60E-10	-9.60E-10	-9.60E-10	-9.61E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.39E-08**	**3.39E-08**	**3.29E-08**	**7.09E-08**	**7.10E-08**	**7.10E-08**	**8.90E-08**	**2.70E-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	0.000031	0.000041	0.000042	0.000052	0.000072	0.000053	0.000059	0.000027	0.000084	0.000035	0.000145	0.000040
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**

Reactor Coolant System Activity	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum activity	0.000041	N/A	0.000060	0.000086	0.000107	0.000107	0.000138	0.000105	0.000097	0.000107	0.000116	0.000108
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**N/A**	**0**	**0**	**0.1**	**0.1**	**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	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	1.550	1.550	1.550	1.620	1.620	1.570	1.570	1.570	1.610	1.610	1.630	1.620
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**	**6.2**	**6.2**	**6.5**	**6.5**	**6.3**	**6.3**	**6.3**	**6.4**	**6.4**	**6.5**	**6.5**
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	1.740	1.670	1.910	1.630	1.720	1.760	1.630	1.670	1.810	1.730	1.730	1.710
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**	**6.7**	**7.6**	**6.5**	**6.9**	**7.0**	**6.5**	**6.7**	**7.2**	**6.9**	**6.9**	**6.8**

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 1

2Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1439.0	2145.4	2209.0	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1439.0	2145.4	2209.0	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.8**

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	4.70E-09	5.40E-08	6.80E-08	7.10E-08	9.70E-08	9.60E-08	1.07E-07	1.07E-07
URI (ΔCDF)	-9.70E-08	-1.50E-07	-1.60E-07	-1.60E-07	-1.60E-07	-7.10E-08	-6.71E-08	-6.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.23E-08**	**-9.60E-08**	**-9.20E-08**	**-8.90E-08**	**-6.30E-08**	**2.50E-08**	**4.00E-08**	**4.30E-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/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	2.40E-08	2.10E-08	3.80E-08	3.90E-08	4.20E-08	4.20E-08	4.16E-08	4.42E-08
URI (ΔCDF)	-3.40E-08	-3.40E-08	-3.40E-08	-3.90E-08	-4.00E-08	-4.00E-08	-4.03E-08	-3.74E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-08**	**-1.30E-08**	**4.00E-09**	**0.00E+00**	**2.00E-09**	**2.00E-09**	**1.30E-09**	**6.80E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	-1.70E-08	-1.70E-08	-1.00E-08	-4.90E-09	-4.30E-09	-3.60E-09	-1.90E-09	-2.39E-09
URI (ΔCDF)	9.90E-08	9.90E-08	9.90E-08	8.20E-08	8.20E-08	8.20E-08	8.24E-08	8.86E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.20E-08**	**8.20E-08**	**8.90E-08**	**7.71E-08**	**7.77E-08**	**7.84E-08**	**8.00E-08**	**8.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	-2.70E-08	-1.10E-08	1.10E-08	1.30E-08	1.40E-08	-1.10E-08	-5.90E-08	-5.47E-08
URI (ΔCDF)	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08	-1.00E-07	-1.04E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.24E-07**	**-1.08E-07**	**-8.60E-08**	**-8.40E-08**	**-8.30E-08**	**-1.08E-07**	**-1.60E-07**	**-1.60E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	3.20E-08	3.10E-08	6.90E-08	7.20E-08	7.20E-08	9.00E-08	2.76E-08	6.40E-08
URI (ΔCDF)	1.90E-09	1.90E-09	1.90E-09	-9.60E-10	-9.60E-10	-9.60E-10	-9.61E-10	-9.61E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.39E-08**	**3.29E-08**	**7.09E-08**	**7.10E-08**	**7.10E-08**	**8.90E-08**	**2.70E-08**	**6.30E-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	0.000052	0.000072	0.000053	0.000059	0.000027	0.000084	0.000035	0.000145	0.000040	0.000041	N/A	0.000060
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**N/A**	**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	0.000086	0.000107	0.000107	0.000138	0.000105	0.000097	0.000107	0.000116	0.000108	0.000164	0.000161	0.000223
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**
Maximum leakage	1.620	1.620	1.570	1.570	1.570	1.610	1.610	1.630	1.620	1.740	1.670	1.910
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**	**6.5**	**6.3**	**6.3**	**6.3**	**6.4**	**6.4**	**6.5**	**6.5**	**7.0**	**6.7**	**7.6**
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	1.630	1.720	1.760	1.630	1.670	1.810	1.730	1.730	1.710	1.690	1.680	1.690
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**	**6.9**	**7.0**	**6.5**	**6.7**	**7.2**	**6.9**	**6.9**	**6.8**	**6.8**	**6.7**	**6.8**

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

Quad Cities 1

3Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2209.0	2159.0	1439.0	2145.4	2209.0	2159.0	2184.0	2154.3
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	2209.0	2159.0	1439.0	2145.4	2209.0	2159.0	2184.0	2154.3
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**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	1	0	0	0	0
Indicator value	**3**	**1**	**2**	**2**	**2**	**2**	**1**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	5.40E-08	6.80E-08	7.10E-08	9.70E-08	9.60E-08	1.07E-07	1.07E-07	1.16E-07
URI (ΔCDF)	-1.50E-07	-1.60E-07	-1.60E-07	-1.60E-07	-7.10E-08	-6.71E-08	-6.45E-08	-6.52E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.60E-08**	**-9.20E-08**	**-8.90E-08**	**-6.30E-08**	**2.50E-08**	**4.00E-08**	**4.30E-08**	**5.10E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	2.10E-08	3.80E-08	3.90E-08	4.20E-08	4.20E-08	4.16E-08	4.42E-08	1.57E-08
URI (ΔCDF)	-3.40E-08	-3.40E-08	-3.90E-08	-4.00E-08	-4.00E-08	-4.03E-08	-3.74E-08	-3.74E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**4.00E-09**	**0.00E+00**	**2.00E-09**	**2.00E-09**	**1.30E-09**	**6.80E-09**	**-2.20E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	-1.70E-08	-1.00E-08	-4.90E-09	-4.30E-09	-3.60E-09	-1.90E-09	-2.39E-09	-5.53E-09
URI (ΔCDF)	9.90E-08	9.90E-08	8.20E-08	8.20E-08	8.20E-08	8.24E-08	8.86E-08	9.19E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.20E-08**	**8.90E-08**	**7.71E-08**	**7.77E-08**	**7.84E-08**	**8.00E-08**	**8.60E-08**	**8.60E-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	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	-1.10E-08	1.10E-08	1.30E-08	1.40E-08	-1.10E-08	-5.90E-08	-5.47E-08	-5.18E-08
URI (ΔCDF)	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08	-1.00E-07	-1.04E-07	-1.04E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.08E-07**	**-8.60E-08**	**-8.40E-08**	**-8.30E-08**	**-1.08E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	3.10E-08	6.90E-08	7.20E-08	7.20E-08	9.00E-08	2.76E-08	6.40E-08	5.91E-08
URI (ΔCDF)	1.90E-09	1.90E-09	-9.60E-10	-9.60E-10	-9.60E-10	-9.61E-10	-9.61E-10	-9.61E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.29E-08**	**7.09E-08**	**7.10E-08**	**7.10E-08**	**8.90E-08**	**2.70E-08**	**6.30E-08**	**5.80E-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	0.000059	0.000027	0.000084	0.000035	0.000145	0.000040	0.000041	N/A	0.000060	0.000086	0.000107	0.000107
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**N/A**	**0**	**0**	**0.1**	**0.1**

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	0.000138	0.000105	0.000097	0.000107	0.000116	0.000108	0.000164	0.000161	0.000223	0.000242	0.000327	0.000222
Technical specification limit	0.2	0.2	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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	1.570	1.570	1.610	1.610	1.630	1.620	1.740	1.670	1.910	1.630	1.720	1.760
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**	**6.4**	**6.4**	**6.5**	**6.5**	**7.0**	**6.7**	**7.6**	**6.5**	**6.9**	**7.0**
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	1.630	1.670	1.810	1.730	1.730	1.710	1.690	1.680	1.690	1.644	1.691	1.703
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**	**6.7**	**7.2**	**6.9**	**6.9**	**6.8**	**6.8**	**6.7**	**6.8**	**6.6**	**6.8**	**6.8**

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 1

4Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2159.0	1439.0	2145.4	2209.0	2159.0	2184.0	2154.3	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**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/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2159.0	1439.0	2145.4	2209.0	2159.0	2184.0	2154.3	2209.0
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**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	1	0	0	0	0	0
Indicator value	**1**	**2**	**2**	**2**	**2**	**1**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (ΔCDF)	6.80E-08	7.10E-08	9.70E-08	9.60E-08	1.07E-07	1.07E-07	1.16E-07	1.21E-07
URI (ΔCDF)	-1.60E-07	-1.60E-07	-1.60E-07	-7.10E-08	-6.71E-08	-6.45E-08	-6.52E-08	-1.13E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.20E-08**	**-8.90E-08**	**-6.30E-08**	**2.50E-08**	**4.00E-08**	**4.30E-08**	**5.10E-08**	**7.90E-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	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	3.80E-08	3.90E-08	4.20E-08	4.20E-08	4.16E-08	4.42E-08	1.57E-08	1.17E-08
URI (ΔCDF)	-3.40E-08	-3.90E-08	-4.00E-08	-4.00E-08	-4.03E-08	-3.74E-08	-3.74E-08	-3.74E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.00E-09**	**0.00E+00**	**2.00E-09**	**2.00E-09**	**1.30E-09**	**6.80E-09**	**-2.20E-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	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	-1.00E-08	-4.90E-09	-4.30E-09	-3.60E-09	-1.90E-09	-2.39E-09	-5.53E-09	-5.30E-09
URI (ΔCDF)	9.90E-08	8.20E-08	8.20E-08	8.20E-08	8.24E-08	8.86E-08	9.19E-08	9.19E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.90E-08**	**7.71E-08**	**7.77E-08**	**7.84E-08**	**8.00E-08**	**8.60E-08**	**8.60E-08**	**8.70E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	1.10E-08	1.30E-08	1.40E-08	-1.10E-08	-5.90E-08	-5.47E-08	-5.18E-08	-6.11E-08
URI (ΔCDF)	-9.70E-08	-9.70E-08	-9.70E-08	-9.70E-08	-1.00E-07	-1.04E-07	-1.04E-07	-1.04E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.60E-08**	**-8.40E-08**	**-8.30E-08**	**-1.08E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.70E-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)	6.90E-08	7.20E-08	7.20E-08	9.00E-08	2.76E-08	6.40E-08	5.91E-08	4.87E-08
URI (ΔCDF)	1.90E-09	-9.60E-10	-9.60E-10	-9.60E-10	-9.61E-10	-9.61E-10	-9.61E-10	-9.61E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.09E-08**	**7.10E-08**	**7.10E-08**	**8.90E-08**	**2.70E-08**	**6.30E-08**	**5.80E-08**	**4.80E-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	0.000035	0.000145	0.000040	0.000041	N/A	0.000060	0.000086	0.000107	0.000107	0.000138	0.000105	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**	**0.1**	**0**	**0**	**N/A**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**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	0.000107	0.000116	0.000108	0.000164	0.000161	0.000223	0.000242	0.000327	0.000222	0.000198	0.000240	0.000222
Technical specification limit	0.2	0.2	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**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**
Maximum leakage	1.610	1.630	1.620	1.740	1.670	1.910	1.630	1.720	1.760	1.630	1.670	1.810
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	**6.4**	**6.5**	**6.5**	**7.0**	**6.7**	**7.6**	**6.5**	**6.9**	**7.0**	**6.5**	**6.7**	**7.2**
Reactor Coolant System Leakage	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**
Maximum leakage	1.730	1.730	1.710	1.690	1.680	1.690	1.644	1.691	1.703	1.702	1.722	1.729
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	**6.9**	**6.9**	**6.8**	**6.8**	**6.7**	**6.8**	**6.6**	**6.8**	**6.8**	**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 1

1Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	1439.0	2145.4	2209.0	2159.0	2184.0	2154.3	2209.0	2159.0
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	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	1439.0	2145.4	2209.0	2159.0	2184.0	2154.3	2209.0	2159.0
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.8**	**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	1	0	0	0	0	0	0
Indicator value	**2**	**2**	**2**	**2**	**1**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	7.10E-08	9.70E-08	9.60E-08	1.07E-07	1.07E-07	1.16E-07	1.21E-07	6.59E-08
URI (ΔCDF)	-1.60E-07	-1.60E-07	-7.10E-08	-6.71E-08	-6.45E-08	-6.52E-08	-1.13E-07	-1.15E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.90E-08**	**-6.30E-08**	**2.50E-08**	**4.00E-08**	**4.30E-08**	**5.10E-08**	**7.90E-09**	**-4.90E-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/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	3.90E-08	4.20E-08	4.20E-08	4.16E-08	4.42E-08	1.57E-08	1.17E-08	1.87E-08
URI (ΔCDF)	-3.90E-08	-4.00E-08	-4.00E-08	-4.03E-08	-3.74E-08	-3.74E-08	-3.74E-08	-3.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**0.00E+00**	**2.00E-09**	**2.00E-09**	**1.30E-09**	**6.80E-09**	**-2.20E-08**	**-2.60E-08**	**-2.00E-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	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	-4.90E-09	-4.30E-09	-3.60E-09	-1.90E-09	-2.39E-09	-5.53E-09	-5.30E-09	-8.58E-10
URI (ΔCDF)	8.20E-08	8.20E-08	8.20E-08	8.24E-08	8.86E-08	9.19E-08	9.19E-08	-3.25E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.71E-08**	**7.77E-08**	**7.84E-08**	**8.00E-08**	**8.60E-08**	**8.60E-08**	**8.70E-08**	**-3.30E-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/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	1.30E-08	1.40E-08	-1.10E-08	-5.90E-08	-5.47E-08	-5.18E-08	-6.11E-08	6.82E-09
URI (ΔCDF)	-9.70E-08	-9.70E-08	-9.70E-08	-1.00E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.40E-08**	**-8.30E-08**	**-1.08E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.70E-07**	**-9.70E-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	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	7.20E-08	7.20E-08	9.00E-08	2.76E-08	6.40E-08	5.91E-08	4.87E-08	1.26E-07
URI (ΔCDF)	-9.60E-10	-9.60E-10	-9.60E-10	-9.61E-10	-9.61E-10	-9.61E-10	-9.61E-10	-9.61E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.10E-08**	**7.10E-08**	**8.90E-08**	**2.70E-08**	**6.30E-08**	**5.80E-08**	**4.80E-08**	**1.20E-07**

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	0.000041	N/A	0.000060	0.000086	0.000107	0.000107	0.000138	0.000105	0.000097	0.000107	0.000116	0.000108
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**N/A**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0.1**	**0.1**	**0.1**

Reactor Coolant System Activity	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum activity	0.000164	0.000161	0.000223	0.000242	0.000327	0.000222	0.000198	0.000240	0.000222	0.000210	0.000189	0.000161
Technical specification limit	0.2	0.2	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**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum leakage	1.740	1.670	1.910	1.630	1.720	1.760	1.630	1.670	1.810	1.730	1.730	1.710
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**	**6.7**	**7.6**	**6.5**	**6.9**	**7.0**	**6.5**	**6.7**	**7.2**	**6.9**	**6.9**	**6.8**
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	1.690	1.680	1.690	1.644	1.691	1.703	1.702	1.722	1.729	1.641	1.643	1.644
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**	**6.7**	**6.8**	**6.6**	**6.8**	**6.8**	**6.8**	**6.9**	**6.9**	**6.6**	**6.6**	**6.6**

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 1

2Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned scrams	0	0	0	0	1.0	0	0	1.0
Critical hours	2145.4	2209.0	2159.0	2184.0	2154.3	2209.0	2159.0	1467.5
Indicator value	**0**	**0**	**0**	**0**	**0.8**	**0.8**	**0.8**	**1.8**

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	1.0	0	0	0	0	0	0	0
Critical hours	2145.4	2209.0	2159.0	2184.0	2154.3	2209.0	2159.0	1467.5
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**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	1	0	0	0	0	0	0	1
Indicator value	**2**	**2**	**2**	**1**	**0**	**0**	**0**	**1**

Licensee Comments:

2Q/11: Quad Cities LER 254/2011-001-00, Loss of Both Divisions of Residual Heat Removal System (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	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	9.70E-08	9.60E-08	1.07E-07	1.07E-07	1.16E-07	1.21E-07	6.59E-08	8.05E-08
URI (ΔCDF)	-1.60E-07	-7.10E-08	-6.71E-08	-6.45E-08	-6.52E-08	-1.13E-07	-1.15E-07	-1.18E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.30E-08**	**2.50E-08**	**4.00E-08**	**4.30E-08**	**5.10E-08**	**7.90E-09**	**-4.90E-08**	**-3.70E-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	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	4.20E-08	4.20E-08	4.16E-08	4.42E-08	1.57E-08	1.17E-08	1.87E-08	1.93E-08
URI (ΔCDF)	-4.00E-08	-4.00E-08	-4.03E-08	-3.74E-08	-3.74E-08	-3.74E-08	-3.89E-08	-4.03E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.00E-09**	**2.00E-09**	**1.30E-09**	**6.80E-09**	**-2.20E-08**	**-2.60E-08**	**-2.00E-08**	**-2.10E-08**

Licensee Comments:

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

1Q/11: HPCI flow controller reading positive flow was not a human error or an equipment failure of the HPCI system. HPCI could still perform its design function. This revision corrects a misclassification of MSPI High Pressure Injection System unavailable hours.

4Q/10: HPCI flow controller reading positive flow was not a human error or an equipment failure of the HPCI system. HPCI could still perform its design function. This revision corrects a misclassification of MSPI High Pressure Injection System unavailable hours.

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)	-4.30E-09	-3.60E-09	-1.90E-09	-2.39E-09	-5.53E-09	-5.30E-09	-8.58E-10	2.53E-09
URI (ΔCDF)	8.20E-08	8.20E-08	8.24E-08	8.86E-08	9.19E-08	9.19E-08	-3.25E-08	-3.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.77E-08**	**7.84E-08**	**8.00E-08**	**8.60E-08**	**8.60E-08**	**8.70E-08**	**-3.30E-08**	**-3.20E-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)	1.40E-08	-1.10E-08	-5.90E-08	-5.47E-08	-5.18E-08	-6.11E-08	6.82E-09	-2.12E-08
URI (ΔCDF)	-9.70E-08	-9.70E-08	-1.00E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.30E-08**	**-1.08E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.70E-07**	**-9.70E-08**	**-1.30E-07**

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)	7.20E-08	9.00E-08	2.76E-08	6.40E-08	5.91E-08	4.87E-08	1.26E-07	8.83E-08
URI (ΔCDF)	-9.60E-10	-9.60E-10	-9.61E-10	-9.61E-10	-9.61E-10	-9.61E-10	-9.61E-10	-9.61E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.10E-08**	**8.90E-08**	**2.70E-08**	**6.30E-08**	**5.80E-08**	**4.80E-08**	**1.20E-07**	**8.70E-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	0.000086	0.000107	0.000107	0.000138	0.000105	0.000097	0.000107	0.000116	0.000108	0.000164	0.000161	0.000223
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
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	0.000242	0.000327	0.000222	0.000198	0.000240	0.000222	0.000210	0.000189	0.000161	0.000163	0.000144	0.000041
Technical specification limit	0.2	0.2	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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**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	1.630	1.720	1.760	1.630	1.670	1.810	1.730	1.730	1.710	1.690	1.680	1.690
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**	**6.9**	**7.0**	**6.5**	**6.7**	**7.2**	**6.9**	**6.9**	**6.8**	**6.8**	**6.7**	**6.8**
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	1.644	1.691	1.703	1.702	1.722	1.729	1.641	1.643	1.644	1.685	1.591	1.650
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**	**6.8**	**6.8**	**6.8**	**6.9**	**6.9**	**6.6**	**6.6**	**6.6**	**6.7**	**6.4**	**6.6**

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 1

3Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned scrams	0	0	0	1.0	0	0	1.0	0
Critical hours	2209.0	2159.0	2184.0	2154.3	2209.0	2159.0	1467.5	2208.0
Indicator value	**0**	**0**	**0**	**0.8**	**0.8**	**0.8**	**1.8**	**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/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2154.3	2209.0	2159.0	1467.5	2208.0
Indicator value	**0.9**	**0.9**	**0.8**	**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	0	1	1
Indicator value	**2**	**2**	**1**	**0**	**0**	**0**	**1**	**2**

Licensee Comments:

3Q/11: Quad Cities LER 254/2011-003-00, Control Room Emergency Ventilation Air Conditioning System Inoperable (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	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	9.60E-08	1.07E-07	1.07E-07	1.16E-07	1.21E-07	6.59E-08	8.05E-08	2.57E-09
URI (ΔCDF)	-7.10E-08	-6.71E-08	-6.45E-08	-6.52E-08	-1.13E-07	-1.15E-07	-1.18E-07	-7.64E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.50E-08**	**4.00E-08**	**4.30E-08**	**5.10E-08**	**7.90E-09**	**-4.90E-08**	**-3.70E-08**	**-7.40E-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	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	4.20E-08	4.16E-08	4.42E-08	1.57E-08	1.17E-08	1.87E-08	1.93E-08	7.97E-09
URI (ΔCDF)	-4.00E-08	-4.03E-08	-3.74E-08	-3.74E-08	-3.74E-08	-3.89E-08	-4.03E-08	-1.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.00E-09**	**1.30E-09**	**6.80E-09**	**-2.20E-08**	**-2.60E-08**	**-2.00E-08**	**-2.10E-08**	**-8.20E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	-3.60E-09	-1.90E-09	-2.39E-09	-5.53E-09	-5.30E-09	-8.58E-10	2.53E-09	1.15E-09
URI (ΔCDF)	8.20E-08	8.24E-08	8.86E-08	9.19E-08	9.19E-08	-3.25E-08	-3.47E-08	-1.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.84E-08**	**8.00E-08**	**8.60E-08**	**8.60E-08**	**8.70E-08**	**-3.30E-08**	**-3.20E-08**	**-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	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	-1.10E-08	-5.90E-08	-5.47E-08	-5.18E-08	-6.11E-08	6.82E-09	-2.12E-08	-6.34E-09
URI (ΔCDF)	-9.70E-08	-1.00E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.08E-07**	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.70E-07**	**-9.70E-08**	**-1.30E-07**	**-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)	9.00E-08	2.76E-08	6.40E-08	5.91E-08	4.87E-08	1.26E-07	8.83E-08	3.71E-08
URI (ΔCDF)	-9.60E-10	-9.61E-10	-9.61E-10	-9.61E-10	-9.61E-10	-9.61E-10	-9.61E-10	-5.28E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.90E-08**	**2.70E-08**	**6.30E-08**	**5.80E-08**	**4.80E-08**	**1.20E-07**	**8.70E-08**	**3.70E-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	0.000138	0.000105	0.000097	0.000107	0.000116	0.000108	0.000164	0.000161	0.000223	0.000242	0.000327	0.000222
Technical specification limit	0.2	0.2	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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**

Reactor Coolant System Activity	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**
Maximum activity	0.000198	0.000240	0.000222	0.000210	0.000189	0.000161	0.000163	0.000144	0.000041	0.000047	0.000052	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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	1.630	1.670	1.810	1.730	1.730	1.710	1.690	1.680	1.690	1.644	1.691	1.703
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**	**6.7**	**7.2**	**6.9**	**6.9**	**6.8**	**6.8**	**6.7**	**6.8**	**6.6**	**6.8**	**6.8**
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	1.702	1.722	1.729	1.641	1.643	1.644	1.685	1.591	1.650	1.699	1.709	1.784
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**	**6.6**	**6.6**	**6.6**	**6.7**	**6.4**	**6.6**	**6.8**	**6.8**	**7.1**

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 1

4Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned scrams	0	0	1.0	0	0	1.0	0	0
Critical hours	2159.0	2184.0	2154.3	2209.0	2159.0	1467.5	2208.0	2209.0
Indicator value	**0**	**0**	**0.8**	**0.8**	**0.8**	**1.8**	**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/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2154.3	2209.0	2159.0	1467.5	2208.0	2209.0
Indicator value	**0.9**	**0.8**	**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	0	1	1	0
Indicator value	**2**	**1**	**0**	**0**	**0**	**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)	1.07E-07	1.07E-07	1.16E-07	1.21E-07	6.59E-08	8.05E-08	2.57E-09	-6.11E-09
URI (ΔCDF)	-6.71E-08	-6.45E-08	-6.52E-08	-1.13E-07	-1.15E-07	-1.18E-07	-7.64E-08	-7.61E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.00E-08**	**4.30E-08**	**5.10E-08**	**7.90E-09**	**-4.90E-08**	**-3.70E-08**	**-7.40E-08**	**-8.20E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	4.16E-08	4.42E-08	1.57E-08	1.17E-08	1.87E-08	1.93E-08	7.97E-09	6.97E-09
URI (ΔCDF)	-4.03E-08	-3.74E-08	-3.74E-08	-3.74E-08	-3.89E-08	-4.03E-08	-1.62E-08	-1.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.30E-09**	**6.80E-09**	**-2.20E-08**	**-2.60E-08**	**-2.00E-08**	**-2.10E-08**	**-8.20E-09**	**-9.20E-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/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	-1.90E-09	-2.39E-09	-5.53E-09	-5.30E-09	-8.58E-10	2.53E-09	1.15E-09	1.29E-09
URI (ΔCDF)	8.24E-08	8.86E-08	9.19E-08	9.19E-08	-3.25E-08	-3.47E-08	-1.45E-08	-1.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.00E-08**	**8.60E-08**	**8.60E-08**	**8.70E-08**	**-3.30E-08**	**-3.20E-08**	**-1.30E-08**	**-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	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	-5.90E-08	-5.47E-08	-5.18E-08	-6.11E-08	6.82E-09	-2.12E-08	-6.34E-09	-1.29E-08
URI (ΔCDF)	-1.00E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-4.06E-08	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.60E-07**	**-1.60E-07**	**-1.70E-07**	**-9.70E-08**	**-1.30E-07**	**-4.70E-08**	**-5.30E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	2.76E-08	6.40E-08	5.91E-08	4.87E-08	1.26E-07	8.83E-08	3.71E-08	3.71E-08
URI (ΔCDF)	-9.61E-10	-9.61E-10	-9.61E-10	-9.61E-10	-9.61E-10	-9.61E-10	-5.28E-10	-5.28E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.70E-08**	**6.30E-08**	**5.80E-08**	**4.80E-08**	**1.20E-07**	**8.70E-08**	**3.70E-08**	**3.70E-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	0.000107	0.000116	0.000108	0.000164	0.000161	0.000223	0.000242	0.000327	0.000222	0.000198	0.000240	0.000222
Technical specification limit	0.2	0.2	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**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**
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	0.000210	0.000189	0.000161	0.000163	0.000144	0.000041	0.000047	0.000052	0.000043	0.000032	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	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	1.730	1.730	1.710	1.690	1.680	1.690	1.644	1.691	1.703	1.702	1.722	1.729
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	**6.9**	**6.9**	**6.8**	**6.8**	**6.7**	**6.8**	**6.6**	**6.8**	**6.8**	**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	1.641	1.643	1.644	1.685	1.591	1.650	1.699	1.709	1.784	1.718	1.765	1.724
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**	**6.6**	**6.6**	**6.7**	**6.4**	**6.6**	**6.8**	**6.8**	**7.1**	**6.9**	**7.1**	**6.9**

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 1

1Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned scrams	0	1.0	0	0	1.0	0	0	0
Critical hours	2184.0	2154.3	2209.0	2159.0	1467.5	2208.0	2209.0	2183.0
Indicator value	**0**	**0.8**	**0.8**	**0.8**	**1.8**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2154.3	2209.0	2159.0	1467.5	2208.0	2209.0	2183.0
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	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	0	1	1	0	1
Indicator value	**1**	**0**	**0**	**0**	**1**	**2**	**2**	**3**

Licensee Comments:

3Q/11: Quad Cities LER 254/2011-003-00, Control Room Emergency Ventilation Air Conditioning System Inoperable (Unit 1).

2Q/11: Quad Cities LER 254/2011-001-00, Loss of Both Divisions of Residual Heat Removal System (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/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (ΔCDF)	1.07E-07	1.16E-07	1.21E-07	6.59E-08	8.05E-08	2.57E-09	-6.11E-09	-8.21E-09
URI (ΔCDF)	-6.45E-08	-6.52E-08	-1.13E-07	-1.15E-07	-1.18E-07	-7.64E-08	-7.61E-08	-7.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.30E-08**	**5.10E-08**	**7.90E-09**	**-4.90E-08**	**-3.70E-08**	**-7.40E-08**	**-8.20E-08**	**-8.20E-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/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	4.42E-08	1.57E-08	1.17E-08	1.87E-08	1.93E-08	7.97E-09	6.97E-09	3.35E-09
URI (ΔCDF)	-3.74E-08	-3.74E-08	-3.74E-08	-3.89E-08	-4.03E-08	-1.62E-08	-1.62E-08	-1.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.80E-09**	**-2.20E-08**	**-2.60E-08**	**-2.00E-08**	**-2.10E-08**	**-8.20E-09**	**-9.20E-09**	**-1.30E-08**

Licensee Comments:

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

1Q/11: HPCI flow controller reading positive flow was not a human error or an equipment failure of the HPCI system. HPCI could still perform its design function. This revision corrects a misclassification of MSPI High Pressure Injection System unavailable hours.

4Q/10: HPCI flow controller reading positive flow was not a human error or an equipment failure of the HPCI system. HPCI could still perform its design function. This revision corrects a misclassification of MSPI High Pressure Injection System unavailable hours.

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (ΔCDF)	-2.39E-09	-5.53E-09	-5.30E-09	-8.58E-10	2.53E-09	1.15E-09	1.29E-09	1.42E-09
URI (ΔCDF)	8.86E-08	9.19E-08	9.19E-08	-3.25E-08	-3.47E-08	-1.45E-08	-1.45E-08	-1.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.60E-08**	**8.60E-08**	**8.70E-08**	**-3.30E-08**	**-3.20E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-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	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	-5.47E-08	-5.18E-08	-6.11E-08	6.82E-09	-2.12E-08	-6.34E-09	-1.29E-08	-2.27E-08
URI (ΔCDF)	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-4.06E-08	-4.06E-08	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.60E-07**	**-1.70E-07**	**-9.70E-08**	**-1.30E-07**	**-4.70E-08**	**-5.30E-08**	**-6.30E-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)	6.40E-08	5.91E-08	4.87E-08	1.26E-07	8.83E-08	3.71E-08	3.71E-08	2.08E-08
URI (ΔCDF)	-9.61E-10	-9.61E-10	-9.61E-10	-9.61E-10	-9.61E-10	-5.28E-10	-5.28E-10	-5.28E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.30E-08**	**5.80E-08**	**4.80E-08**	**1.20E-07**	**8.70E-08**	**3.70E-08**	**3.70E-08**	**2.00E-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	0.000164	0.000161	0.000223	0.000242	0.000327	0.000222	0.000198	0.000240	0.000222	0.000210	0.000189	0.000161
Technical specification limit	0.2	0.2	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**	**0.1**	**0.1**	**0.1**
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	0.000163	0.000144	0.000041	0.000047	0.000052	0.000043	0.000032	0.000036	0.000036	0.000031	0.000035	0.000035
Technical specification limit	0.2	0.2	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum leakage	1.690	1.680	1.690	1.644	1.691	1.703	1.702	1.722	1.729	1.641	1.643	1.644
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**	**6.7**	**6.8**	**6.6**	**6.8**	**6.8**	**6.8**	**6.9**	**6.9**	**6.6**	**6.6**	**6.6**
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	1.685	1.591	1.650	1.699	1.709	1.784	1.718	1.765	1.724	1.714	1.703	1.730
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	**6.7**	**6.4**	**6.6**	**6.8**	**6.8**	**7.1**	**6.9**	**7.1**	**6.9**	**6.9**	**6.8**	**6.9**

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 1

2Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned scrams	1.0	0	0	1.0	0	0	0	0
Critical hours	2154.3	2209.0	2159.0	1467.5	2208.0	2209.0	2183.0	2184.0
Indicator value	**0.8**	**0.8**	**0.8**	**1.8**	**0.9**	**0.9**	**0.9**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	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	2154.3	2209.0	2159.0	1467.5	2208.0	2209.0	2183.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/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	0	1	1	0	1	2
Indicator value	**0**	**0**	**0**	**1**	**2**	**2**	**3**	**4**

Licensee Comments:

3Q/11: Quad Cities LER 254/2011-003-00, Control Room Emergency Ventilation Air Conditioning System Inoperable (Unit 1).

2Q/11: Quad Cities LER 254/2011-001-00, Loss of Both Divisions of Residual Heat Removal System (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	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	1.16E-07	1.21E-07	6.59E-08	8.05E-08	2.57E-09	-6.11E-09	-8.21E-09	-9.63E-09
URI (ΔCDF)	-6.52E-08	-1.13E-07	-1.15E-07	-1.18E-07	-7.64E-08	-7.61E-08	-7.37E-08	-7.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.10E-08**	**7.90E-09**	**-4.90E-08**	**-3.70E-08**	**-7.40E-08**	**-8.20E-08**	**-8.20E-08**	**-8.10E-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	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**
UAI (ΔCDF)	1.57E-08	1.17E-08	1.87E-08	1.93E-08	7.97E-09	6.97E-09	3.35E-09	1.27E-08
URI (ΔCDF)	-3.74E-08	-3.74E-08	-3.89E-08	-4.03E-08	-1.62E-08	-1.62E-08	-1.62E-08	-1.44E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-08**	**-2.60E-08**	**-2.00E-08**	**-2.10E-08**	**-8.20E-09**	**-9.20E-09**	**-1.30E-08**	**-1.70E-09**

Licensee Comments:

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

1Q/11: HPCI flow controller reading positive flow was not a human error or an equipment failure of the HPCI system. HPCI could still perform its design function. This revision corrects a misclassification of MSPI High Pressure Injection System unavailable hours.

4Q/10: HPCI flow controller reading positive flow was not a human error or an equipment failure of the HPCI system. HPCI could still perform its design function. This revision corrects a misclassification of MSPI High Pressure Injection System unavailable hours.

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)	-5.53E-09	-5.30E-09	-8.58E-10	2.53E-09	1.15E-09	1.29E-09	1.42E-09	-7.28E-10
URI (ΔCDF)	9.19E-08	9.19E-08	-3.25E-08	-3.47E-08	-1.45E-08	-1.45E-08	-1.45E-08	-1.21E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.60E-08**	**8.70E-08**	**-3.30E-08**	**-3.20E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-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/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	-5.18E-08	-6.11E-08	6.82E-09	-2.12E-08	-6.34E-09	-1.29E-08	-2.27E-08	-1.93E-08
URI (ΔCDF)	-1.04E-07	-1.04E-07	-1.04E-07	-1.04E-07	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-07**	**-1.70E-07**	**-9.70E-08**	**-1.30E-07**	**-4.70E-08**	**-5.30E-08**	**-6.30E-08**	**-6.00E-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)	5.91E-08	4.87E-08	1.26E-07	8.83E-08	3.71E-08	3.71E-08	2.08E-08	1.91E-08
URI (ΔCDF)	-9.61E-10	-9.61E-10	-9.61E-10	-9.61E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.80E-08**	**4.80E-08**	**1.20E-07**	**8.70E-08**	**3.70E-08**	**3.70E-08**	**2.00E-08**	**1.90E-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	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**
Maximum activity	0.000242	0.000327	0.000222	0.000198	0.000240	0.000222	0.000210	0.000189	0.000161	0.000163	0.000144	0.000041
Technical specification limit	0.2	0.2	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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**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	0.000047	0.000052	0.000043	0.000032	0.000036	0.000036	0.000031	0.000035	0.000035	0.000053	0.000036	0.000030
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	1.644	1.691	1.703	1.702	1.722	1.729	1.641	1.643	1.644	1.685	1.591	1.650
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**	**6.8**	**6.8**	**6.8**	**6.9**	**6.9**	**6.6**	**6.6**	**6.6**	**6.7**	**6.4**	**6.6**
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	1.699	1.709	1.784	1.718	1.765	1.724	1.714	1.703	1.730	1.767	1.901	1.865
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**	**6.8**	**7.1**	**6.9**	**7.1**	**6.9**	**6.9**	**6.8**	**6.9**	**7.1**	**7.6**	**7.5**

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 1

3Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2209.0	2159.0	1467.5	2208.0	2209.0	2183.0	2184.0	2208.0
Indicator value	**0.8**	**0.8**	**1.8**	**0.9**	**0.9**	**0.9**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	1467.5	2208.0	2209.0	2183.0	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 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	0	1	1	0	1	2	0
Indicator value	**0**	**0**	**1**	**2**	**2**	**3**	**4**	**3**

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 254/2012-002-00, Unit 1 Standby Gas Treatment System Loss of Safety Function Due to Loss of Emergency Power (6-1-12). 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 1).

2Q/11: Quad Cities LER 254/2011-001-00, Loss of Both Divisions of Residual Heat Removal System (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	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (ΔCDF)	1.21E-07	6.59E-08	8.05E-08	2.57E-09	-6.11E-09	-8.21E-09	-9.63E-09	-1.02E-08
URI (ΔCDF)	-1.13E-07	-1.15E-07	-1.18E-07	-7.64E-08	-7.61E-08	-7.37E-08	-7.10E-08	-6.96E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.90E-09**	**-4.90E-08**	**-3.70E-08**	**-7.40E-08**	**-8.20E-08**	**-8.20E-08**	**-8.10E-08**	**-8.00E-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	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	1.17E-08	1.87E-08	1.93E-08	7.97E-09	6.97E-09	3.35E-09	1.27E-08	1.44E-08
URI (ΔCDF)	-3.74E-08	-3.89E-08	-4.03E-08	-1.62E-08	-1.62E-08	-1.62E-08	-1.44E-08	-1.31E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-08**	**-2.00E-08**	**-2.10E-08**	**-8.20E-09**	**-9.20E-09**	**-1.30E-08**	**-1.70E-09**	**1.30E-09**

Licensee Comments:

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

1Q/11: HPCI flow controller reading positive flow was not a human error or an equipment failure of the HPCI system. HPCI could still perform its design function. This revision corrects a misclassification of MSPI High Pressure Injection System unavailable hours.

4Q/10: HPCI flow controller reading positive flow was not a human error or an equipment failure of the HPCI system. HPCI could still perform its design function. This revision corrects a misclassification of MSPI High Pressure Injection System unavailable hours.

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)	-5.30E-09	-8.58E-10	2.53E-09	1.15E-09	1.29E-09	1.42E-09	-7.28E-10	-1.23E-09
URI (ΔCDF)	9.19E-08	-3.25E-08	-3.47E-08	-1.45E-08	-1.45E-08	-1.45E-08	-1.21E-08	-1.21E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.70E-08**	**-3.30E-08**	**-3.20E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-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	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	-6.11E-08	6.82E-09	-2.12E-08	-6.34E-09	-1.29E-08	-2.27E-08	-1.93E-08	-1.95E-08
URI (ΔCDF)	-1.04E-07	-1.04E-07	-1.04E-07	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-07**	**-9.70E-08**	**-1.30E-07**	**-4.70E-08**	**-5.30E-08**	**-6.30E-08**	**-6.00E-08**	**-6.00E-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.

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (ΔCDF)	4.87E-08	1.26E-07	8.83E-08	3.71E-08	3.71E-08	2.08E-08	1.91E-08	1.90E-08
URI (ΔCDF)	-9.61E-10	-9.61E-10	-9.61E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.80E-08**	**1.20E-07**	**8.70E-08**	**3.70E-08**	**3.70E-08**	**2.00E-08**	**1.90E-08**	**1.80E-08**

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	0.000198	0.000240	0.000222	0.000210	0.000189	0.000161	0.000163	0.000144	0.000041	0.000047	0.000052	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**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**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	0.000032	0.000036	0.000036	0.000031	0.000035	0.000035	0.000053	0.000036	0.000030	0.000040	0.000036	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**	**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	1.702	1.722	1.729	1.641	1.643	1.644	1.685	1.591	1.650	1.699	1.709	1.784
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**	**6.6**	**6.6**	**6.6**	**6.7**	**6.4**	**6.6**	**6.8**	**6.8**	**7.1**
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	1.718	1.765	1.724	1.714	1.703	1.730	1.767	1.901	1.865	1.858	1.858	1.931
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	**6.9**	**7.1**	**6.9**	**6.9**	**6.8**	**6.9**	**7.1**	**7.6**	**7.5**	**7.4**	**7.4**	**7.7**

Licensee Comments: none

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

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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

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

Last Modified: October 24, 2012

Quad Cities 1

4Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2159.0	1467.5	2208.0	2209.0	2183.0	2184.0	2208.0	2209.0
Indicator value	**0.8**	**1.8**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	1467.5	2208.0	2209.0	2183.0	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/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	0	1	1	0	1	2	0	1
Indicator value	**0**	**1**	**2**	**2**	**3**	**4**	**3**	**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).

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 254/2012-002-00, Unit 1 Standby Gas Treatment System Loss of Safety Function Due to Loss of Emergency Power (6-1-12). 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 1).

2Q/11: Quad Cities LER 254/2011-001-00, Loss of Both Divisions of Residual Heat Removal System (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	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	6.59E-08	8.05E-08	2.57E-09	-6.11E-09	-8.21E-09	-9.63E-09	-1.02E-08	-1.39E-09
URI (ΔCDF)	-1.15E-07	-1.18E-07	-7.64E-08	-7.61E-08	-7.37E-08	-7.10E-08	-6.96E-08	-6.94E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.90E-08**	**-3.70E-08**	**-7.40E-08**	**-8.20E-08**	**-8.20E-08**	**-8.10E-08**	**-8.00E-08**	**-7.10E-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	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**
UAI (ΔCDF)	1.87E-08	1.93E-08	7.97E-09	6.97E-09	3.35E-09	1.27E-08	1.44E-08	1.85E-08
URI (ΔCDF)	-3.89E-08	-4.03E-08	-1.62E-08	-1.62E-08	-1.62E-08	-1.44E-08	-1.31E-08	-1.31E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.00E-08**	**-2.10E-08**	**-8.20E-09**	**-9.20E-09**	**-1.30E-08**	**-1.70E-09**	**1.30E-09**	**5.40E-09**

Licensee Comments:

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

1Q/11: HPCI flow controller reading positive flow was not a human error or an equipment failure of the HPCI system. HPCI could still perform its design function. This revision corrects a misclassification of MSPI High Pressure Injection System unavailable hours.

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)	-8.58E-10	2.53E-09	1.15E-09	1.29E-09	1.42E-09	-7.28E-10	-1.23E-09	-6.78E-10
URI (ΔCDF)	-3.25E-08	-3.47E-08	-1.45E-08	-1.45E-08	-1.45E-08	-1.21E-08	-1.21E-08	-1.21E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-08**	**-3.20E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-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	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	6.82E-09	-2.12E-08	-6.34E-09	-1.29E-08	-2.27E-08	-1.93E-08	-1.95E-08	-2.35E-08
URI (ΔCDF)	-1.04E-07	-1.04E-07	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.70E-08**	**-1.30E-07**	**-4.70E-08**	**-5.30E-08**	**-6.30E-08**	**-6.00E-08**	**-6.00E-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	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	1.26E-07	8.83E-08	3.71E-08	3.71E-08	2.08E-08	1.91E-08	1.90E-08	5.27E-08
URI (ΔCDF)	-9.61E-10	-9.61E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-07**	**8.70E-08**	**3.70E-08**	**3.70E-08**	**2.00E-08**	**1.90E-08**	**1.80E-08**	**5.20E-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	**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	0.000210	0.000189	0.000161	0.000163	0.000144	0.000041	0.000047	0.000052	0.000043	0.000032	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	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**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	0.000031	0.000035	0.000035	0.000053	0.000036	0.000030	0.000040	0.000036	0.000047	0.000047	0.000037	0.000035
Technical specification limit	0.2	0.2	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	1.641	1.643	1.644	1.685	1.591	1.650	1.699	1.709	1.784	1.718	1.765	1.724
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**	**6.6**	**6.6**	**6.7**	**6.4**	**6.6**	**6.8**	**6.8**	**7.1**	**6.9**	**7.1**	**6.9**
Reactor Coolant System Leakage	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**
Maximum leakage	1.714	1.703	1.730	1.767	1.901	1.865	1.858	1.858	1.931	1.956	1.991	1.940
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	**6.9**	**6.8**	**6.9**	**7.1**	**7.6**	**7.5**	**7.4**	**7.4**	**7.7**	**7.8**	**8.0**	**7.8**

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 dril, 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.

Last Modified: January 23, 2013

Quad Cities 1

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	1.0	0	0	0	0	0	0	0
Critical hours	1467.5	2208.0	2209.0	2183.0	2184.0	2208.0	2209.0	1656.0
Indicator value	**1.8**	**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/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1467.5	2208.0	2209.0	2183.0	2184.0	2208.0	2209.0	1656.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

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 254/2012-002-00, Unit 1 Standby Gas Treatment System Loss of Safety Function Due to Loss of Emergency Power (6-1-12). 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 1).

2Q/11: Quad Cities LER 254/2011-001-00, Loss of Both Divisions of Residual Heat Removal System (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/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	8.05E-08	2.57E-09	-6.11E-09	-8.21E-09	-9.63E-09	-1.02E-08	-1.39E-09	-3.52E-09
URI (ΔCDF)	-1.18E-07	-7.64E-08	-7.61E-08	-7.37E-08	-7.10E-08	-6.96E-08	-6.94E-08	-7.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.70E-08**	**-7.40E-08**	**-8.20E-08**	**-8.20E-08**	**-8.10E-08**	**-8.00E-08**	**-7.10E-08**	**-7.60E-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)	1.93E-08	7.97E-09	6.97E-09	3.35E-09	1.27E-08	1.44E-08	1.85E-08	2.43E-08
URI (ΔCDF)	-4.03E-08	-1.62E-08	-1.62E-08	-1.62E-08	-1.44E-08	-1.31E-08	-1.31E-08	-1.31E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-08**	**-8.20E-09**	**-9.20E-09**	**-1.30E-08**	**-1.70E-09**	**1.30E-09**	**5.40E-09**	**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	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	2.53E-09	1.15E-09	1.29E-09	1.42E-09	-7.28E-10	-1.23E-09	-6.78E-10	1.03E-09
URI (ΔCDF)	-3.47E-08	-1.45E-08	-1.45E-08	-1.45E-08	-1.21E-08	-1.21E-08	-1.21E-08	-1.21E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.20E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-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, 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)	-2.12E-08	-6.34E-09	-1.29E-08	-2.27E-08	-1.93E-08	-1.95E-08	-2.35E-08	-1.63E-08
URI (ΔCDF)	-1.04E-07	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-07**	**-4.70E-08**	**-5.30E-08**	**-6.30E-08**	**-6.00E-08**	**-6.00E-08**	**-6.40E-08**	**-5.70E-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)	8.83E-08	3.71E-08	3.71E-08	2.08E-08	1.91E-08	1.90E-08	5.27E-08	5.44E-08
URI (ΔCDF)	-9.61E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.70E-08**	**3.70E-08**	**3.70E-08**	**2.00E-08**	**1.90E-08**	**1.80E-08**	**5.20E-08**	**5.40E-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	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum activity	0.000163	0.000144	0.000041	0.000047	0.000052	0.000043	0.000032	0.000036	0.000036	0.000031	0.000035	0.000035
Technical specification limit	0.2	0.2	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**	**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	0.000053	0.000036	0.000030	0.000040	0.000036	0.000047	0.000047	0.000037	0.000035	0.000039	0.000039	0.000034
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	1.685	1.591	1.650	1.699	1.709	1.784	1.718	1.765	1.724	1.714	1.703	1.730
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	**6.7**	**6.4**	**6.6**	**6.8**	**6.8**	**7.1**	**6.9**	**7.1**	**6.9**	**6.9**	**6.8**	**6.9**
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	1.767	1.901	1.865	1.858	1.858	1.931	1.956	1.991	1.940	1.878	1.931	1.881
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**	**7.6**	**7.5**	**7.4**	**7.4**	**7.7**	**7.8**	**8.0**	**7.8**	**7.5**	**7.7**	**7.5**

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 dril, 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

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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

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

Last Modified: April 23, 2013

Quad Cities 1

2Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	2208.0	2209.0	1656.0	2067.9
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/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	2208.0	2209.0	1656.0	2067.9
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

Licensee Comments:

4Q/12: LER 254/2012-004-00, Breach in Secondary Containment (11-5-12), (SSFF applies to both Units 1 and 2).

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 254/2012-002-00, Unit 1 Standby Gas Treatment System Loss of Safety Function Due to Loss of Emergency Power (6-1-12). 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 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	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**
UAI (ΔCDF)	2.57E-09	-6.11E-09	-8.21E-09	-9.63E-09	-1.02E-08	-1.39E-09	-3.52E-09	-2.12E-10
URI (ΔCDF)	-7.64E-08	-7.61E-08	-7.37E-08	-7.10E-08	-6.96E-08	-6.94E-08	-7.26E-08	-7.19E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.40E-08**	**-8.20E-08**	**-8.20E-08**	**-8.10E-08**	**-8.00E-08**	**-7.10E-08**	**-7.60E-08**	**-7.20E-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	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**
UAI (ΔCDF)	7.97E-09	6.97E-09	3.35E-09	1.27E-08	1.44E-08	1.85E-08	2.43E-08	2.30E-08
URI (ΔCDF)	-1.62E-08	-1.62E-08	-1.62E-08	-1.44E-08	-1.31E-08	-1.31E-08	-1.31E-08	-1.49E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.20E-09**	**-9.20E-09**	**-1.30E-08**	**-1.70E-09**	**1.30E-09**	**5.40E-09**	**1.10E-08**	**8.10E-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)	1.15E-09	1.29E-09	1.42E-09	-7.28E-10	-1.23E-09	-6.78E-10	1.03E-09	6.91E-10
URI (ΔCDF)	-1.45E-08	-1.45E-08	-1.45E-08	-1.21E-08	-1.21E-08	-1.21E-08	-1.21E-08	-1.26E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.10E-08**	**-1.20E-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	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**
UAI (ΔCDF)	-6.34E-09	-1.29E-08	-2.27E-08	-1.93E-08	-1.95E-08	-2.35E-08	-1.63E-08	-2.38E-08
URI (ΔCDF)	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.70E-08**	**-5.30E-08**	**-6.30E-08**	**-6.00E-08**	**-6.00E-08**	**-6.40E-08**	**-5.70E-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)	3.71E-08	3.71E-08	2.08E-08	1.91E-08	1.90E-08	5.27E-08	6.05E-08	5.89E-08
URI (ΔCDF)	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.70E-08**	**3.70E-08**	**2.00E-08**	**1.90E-08**	**1.80E-08**	**5.20E-08**	**6.00E-08**	**5.80E-08**

Licensee Comments:

1Q/13: February Unavailability Hours were added for 1B 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	0.000047	0.000052	0.000043	0.000032	0.000036	0.000036	0.000031	0.000035	0.000035	0.000053	0.000036	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	**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	0.000040	0.000036	0.000047	0.000047	0.000037	0.000035	0.000039	0.000039	0.000034	0.000013	0.000014	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	**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	1.699	1.709	1.784	1.718	1.765	1.724	1.714	1.703	1.730	1.767	1.901	1.865
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**	**6.8**	**7.1**	**6.9**	**7.1**	**6.9**	**6.9**	**6.8**	**6.9**	**7.1**	**7.6**	**7.5**
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	1.858	1.858	1.931	1.956	1.991	1.940	1.878	1.931	1.881	1.580	1.760	1.640
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**	**7.4**	**7.7**	**7.8**	**8.0**	**7.8**	**7.5**	**7.7**	**7.5**	**6.3**	**7.0**	**6.6**

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 dril, 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 1

3Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2183.0	2184.0	2208.0	2209.0	1656.0	2067.9	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/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2183.0	2184.0	2208.0	2209.0	1656.0	2067.9	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 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	2	0	1	0	0	0
Indicator value	**2**	**3**	**4**	**3**	**4**	**3**	**1**	**1**

Licensee Comments:

4Q/12: LER 254/2012-004-00, Breach in Secondary Containment (11-5-12), (SSFF applies to both Units 1 and 2).

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 254/2012-002-00, Unit 1 Standby Gas Treatment System Loss of Safety Function Due to Loss of Emergency Power (6-1-12). 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)	-6.11E-09	-8.21E-09	-9.63E-09	-1.02E-08	-1.39E-09	-3.52E-09	-2.12E-10	9.23E-09
URI (ΔCDF)	-7.61E-08	-7.37E-08	-7.10E-08	-6.96E-08	-6.94E-08	-7.26E-08	-7.19E-08	-7.15E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.20E-08**	**-8.20E-08**	**-8.10E-08**	**-8.00E-08**	**-7.10E-08**	**-7.60E-08**	**-7.20E-08**	**-6.20E-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/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	6.97E-09	3.35E-09	1.27E-08	1.44E-08	1.85E-08	2.43E-08	2.30E-08	2.03E-08
URI (ΔCDF)	-1.62E-08	-1.62E-08	-1.44E-08	-1.31E-08	-1.31E-08	-1.31E-08	-1.49E-08	-1.49E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.20E-09**	**-1.30E-08**	**-1.70E-09**	**1.30E-09**	**5.40E-09**	**1.10E-08**	**8.10E-09**	**5.40E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	1.29E-09	1.42E-09	-7.28E-10	-1.23E-09	-6.78E-10	1.03E-09	6.91E-10	1.16E-09
URI (ΔCDF)	-1.45E-08	-1.45E-08	-1.21E-08	-1.21E-08	-1.21E-08	-1.21E-08	-1.26E-08	-1.31E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.10E-08**	**-1.20E-08**	**-1.20E-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/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	-1.29E-08	-2.27E-08	-1.93E-08	-1.95E-08	-2.35E-08	-1.63E-08	-2.38E-08	-2.38E-08
URI (ΔCDF)	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-08**	**-6.30E-08**	**-6.00E-08**	**-6.00E-08**	**-6.40E-08**	**-5.70E-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	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	3.71E-08	2.08E-08	1.91E-08	1.90E-08	5.27E-08	6.05E-08	5.89E-08	5.86E-08
URI (ΔCDF)	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.70E-08**	**2.00E-08**	**1.90E-08**	**1.80E-08**	**5.20E-08**	**6.00E-08**	**5.80E-08**	**5.80E-08**

Licensee Comments:

1Q/13: February Unavailability Hours were added for 1B 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	**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	0.000032	0.000036	0.000036	0.000031	0.000035	0.000035	0.000053	0.000036	0.000030	0.000040	0.000036	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**	**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	0.000047	0.000037	0.000035	0.000039	0.000039	0.000034	0.000013	0.000014	0.000010	0.000012	0.000015	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	1.718	1.765	1.724	1.714	1.703	1.730	1.767	1.901	1.865	1.858	1.858	1.931
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	**6.9**	**7.1**	**6.9**	**6.9**	**6.8**	**6.9**	**7.1**	**7.6**	**7.5**	**7.4**	**7.4**	**7.7**
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	1.956	1.991	1.940	1.878	1.931	1.881	1.580	1.760	1.640	1.572	1.563	1.656
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	**7.8**	**8.0**	**7.8**	**7.5**	**7.7**	**7.5**	**6.3**	**7.0**	**6.6**	**6.3**	**6.3**	**6.6**

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 dril, 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 1

4Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2184.0	2208.0	2209.0	1656.0	2067.9	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/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2183.0	2184.0	2208.0	2209.0	1656.0	2067.9	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 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	2	0	1	0	0	0	0
Indicator value	**3**	**4**	**3**	**4**	**3**	**1**	**1**	**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).

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 254/2012-002-00, Unit 1 Standby Gas Treatment System Loss of Safety Function Due to Loss of Emergency Power (6-1-12). 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)	-8.21E-09	-9.63E-09	-1.02E-08	-1.39E-09	-3.52E-09	-2.12E-10	9.23E-09	2.38E-08
URI (ΔCDF)	-7.37E-08	-7.10E-08	-6.96E-08	-6.94E-08	-7.26E-08	-7.19E-08	-7.15E-08	-7.16E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.20E-08**	**-8.10E-08**	**-8.00E-08**	**-7.10E-08**	**-7.60E-08**	**-7.20E-08**	**-6.20E-08**	**-4.80E-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	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	3.35E-09	1.27E-08	1.44E-08	1.85E-08	2.43E-08	2.30E-08	2.03E-08	1.92E-08
URI (ΔCDF)	-1.62E-08	-1.44E-08	-1.31E-08	-1.31E-08	-1.31E-08	-1.49E-08	-1.49E-08	-1.49E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-1.70E-09**	**1.30E-09**	**5.40E-09**	**1.10E-08**	**8.10E-09**	**5.40E-09**	**4.30E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (ΔCDF)	1.42E-09	-7.28E-10	-1.23E-09	-6.78E-10	1.03E-09	6.91E-10	1.16E-09	1.11E-09
URI (ΔCDF)	-1.45E-08	-1.21E-08	-1.21E-08	-1.21E-08	-1.21E-08	-1.26E-08	-1.31E-08	-1.31E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.10E-08**	**-1.20E-08**	**-1.20E-08**	**-1.20E-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	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	-2.27E-08	-1.93E-08	-1.95E-08	-2.35E-08	-1.63E-08	-2.38E-08	-2.38E-08	-2.38E-08
URI (ΔCDF)	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.30E-08**	**-6.00E-08**	**-6.00E-08**	**-6.40E-08**	**-5.70E-08**	**-6.40E-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	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	2.08E-08	1.91E-08	1.90E-08	5.27E-08	6.05E-08	5.89E-08	5.86E-08	6.52E-08
URI (ΔCDF)	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.00E-08**	**1.90E-08**	**1.80E-08**	**5.20E-08**	**6.00E-08**	**5.80E-08**	**5.80E-08**	**6.50E-08**

Licensee Comments:

1Q/13: February Unavailability Hours were added for 1B 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	0.000031	0.000035	0.000035	0.000053	0.000036	0.000030	0.000040	0.000036	0.000047	0.000047	0.000037	0.000035
Technical specification limit	0.2	0.2	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	0.000039	0.000039	0.000034	0.000013	0.000014	0.000010	0.000012	0.000015	0.000009	0.000014	0.000014	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

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**
Maximum leakage	1.714	1.703	1.730	1.767	1.901	1.865	1.858	1.858	1.931	1.956	1.991	1.940
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	**6.9**	**6.8**	**6.9**	**7.1**	**7.6**	**7.5**	**7.4**	**7.4**	**7.7**	**7.8**	**8.0**	**7.8**
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	1.878	1.931	1.881	1.580	1.760	1.640	1.572	1.563	1.656	1.628	1.676	1.629
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**	**7.7**	**7.5**	**6.3**	**7.0**	**6.6**	**6.3**	**6.3**	**6.6**	**6.5**	**6.7**	**6.5**

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 dril, 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 1

1Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	1656.0	2067.9	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	1656.0	2067.9	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/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	2	0	1	0	0	0	0	0
Indicator value	**4**	**3**	**4**	**3**	**1**	**1**	**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).

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 254/2012-002-00, Unit 1 Standby Gas Treatment System Loss of Safety Function Due to Loss of Emergency Power (6-1-12). 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)	-9.63E-09	-1.02E-08	-1.39E-09	-3.52E-09	-2.12E-10	9.23E-09	2.38E-08	1.46E-08
URI (ΔCDF)	-7.10E-08	-6.96E-08	-6.94E-08	-7.26E-08	-7.19E-08	-7.15E-08	-7.16E-08	-6.72E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.10E-08**	**-8.00E-08**	**-7.10E-08**	**-7.60E-08**	**-7.20E-08**	**-6.20E-08**	**-4.80E-08**	**-5.30E-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	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	1.27E-08	1.44E-08	1.85E-08	2.43E-08	2.30E-08	2.03E-08	1.92E-08	1.41E-08
URI (ΔCDF)	-1.44E-08	-1.31E-08	-1.31E-08	-1.31E-08	-1.49E-08	-1.49E-08	-1.49E-08	-1.43E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-09**	**1.30E-09**	**5.40E-09**	**1.10E-08**	**8.10E-09**	**5.40E-09**	**4.30E-09**	**-2.40E-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	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	-7.28E-10	-1.23E-09	-6.78E-10	1.03E-09	6.91E-10	1.16E-09	1.11E-09	4.77E-10
URI (ΔCDF)	-1.21E-08	-1.21E-08	-1.21E-08	-1.21E-08	-1.26E-08	-1.31E-08	-1.31E-08	-1.31E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.10E-08**	**-1.20E-08**	**-1.20E-08**	**-1.20E-08**	**-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/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	-1.93E-08	-1.95E-08	-2.35E-08	-1.63E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08
URI (ΔCDF)	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.00E-08**	**-6.00E-08**	**-6.40E-08**	**-5.70E-08**	**-6.40E-08**	**-6.40E-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	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	1.91E-08	1.90E-08	5.27E-08	6.05E-08	5.89E-08	5.86E-08	6.52E-08	3.23E-08
URI (ΔCDF)	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.90E-08**	**1.80E-08**	**5.20E-08**	**6.00E-08**	**5.80E-08**	**5.80E-08**	**6.50E-08**	**3.20E-08**

Licensee Comments:

1Q/13: February Unavailability Hours were added for 1B 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	0.000053	0.000036	0.000030	0.000040	0.000036	0.000047	0.000047	0.000037	0.000035	0.000039	0.000039	0.000034
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0.000013	0.000014	0.000010	0.000012	0.000015	0.000009	0.000014	0.000014	0.000014	0.000017	0.000015	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

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	1.767	1.901	1.865	1.858	1.858	1.931	1.956	1.991	1.940	1.878	1.931	1.881
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**	**7.6**	**7.5**	**7.4**	**7.4**	**7.7**	**7.8**	**8.0**	**7.8**	**7.5**	**7.7**	**7.5**
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	1.580	1.760	1.640	1.572	1.563	1.656	1.628	1.676	1.629	1.592	1.558	1.526
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**	**7.0**	**6.6**	**6.3**	**6.3**	**6.6**	**6.5**	**6.7**	**6.5**	**6.4**	**6.2**	**6.1**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful opportunities	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 dril, 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 1

2Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	1656.0	2067.9	2208.0	2209.0	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	1656.0	2067.9	2208.0	2209.0	2159.0	2184.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Safety System Functional Failures	0	1	0	0	0	0	0	0
Indicator value	**3**	**4**	**3**	**1**	**1**	**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).

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)	-1.02E-08	-1.39E-09	-3.52E-09	-2.12E-10	9.23E-09	2.38E-08	1.46E-08	1.07E-08
URI (ΔCDF)	-6.96E-08	-6.94E-08	-7.26E-08	-7.19E-08	-7.15E-08	-7.16E-08	-6.72E-08	-6.51E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.00E-08**	**-7.10E-08**	**-7.60E-08**	**-7.20E-08**	**-6.20E-08**	**-4.80E-08**	**-5.30E-08**	**-5.40E-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	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	1.44E-08	1.85E-08	2.43E-08	2.30E-08	2.03E-08	1.92E-08	1.41E-08	1.33E-08
URI (ΔCDF)	-1.31E-08	-1.31E-08	-1.31E-08	-1.49E-08	-1.49E-08	-1.49E-08	-1.43E-08	-1.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.30E-09**	**5.40E-09**	**1.10E-08**	**8.10E-09**	**5.40E-09**	**4.30E-09**	**-2.40E-10**	**-4.00E-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	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	-1.23E-09	-6.78E-10	1.03E-09	6.91E-10	1.16E-09	1.11E-09	4.77E-10	-1.20E-09
URI (ΔCDF)	-1.21E-08	-1.21E-08	-1.21E-08	-1.26E-08	-1.31E-08	-1.31E-08	-1.31E-08	-1.15E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-1.30E-08**	**-1.10E-08**	**-1.20E-08**	**-1.20E-08**	**-1.20E-08**	**-1.30E-08**	**-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	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	-1.95E-08	-2.35E-08	-1.63E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08
URI (ΔCDF)	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.00E-08**	**-6.40E-08**	**-5.70E-08**	**-6.40E-08**	**-6.40E-08**	**-6.40E-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/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	1.90E-08	5.27E-08	6.05E-08	5.89E-08	5.86E-08	6.52E-08	3.23E-08	3.68E-08
URI (ΔCDF)	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.80E-08**	**5.20E-08**	**6.00E-08**	**5.80E-08**	**5.80E-08**	**6.50E-08**	**3.20E-08**	**3.60E-08**

Licensee Comments:

1Q/13: February Unavailability Hours were added for 1B 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	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**
Maximum activity	0.000040	0.000036	0.000047	0.000047	0.000037	0.000035	0.000039	0.000039	0.000034	0.000013	0.000014	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	**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	0.000012	0.000015	0.000009	0.000014	0.000014	0.000014	0.000017	0.000015	0.000014	0.000021	0.000021	0.000024
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**
Maximum leakage	1.858	1.858	1.931	1.956	1.991	1.940	1.878	1.931	1.881	1.580	1.760	1.640
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**	**7.4**	**7.7**	**7.8**	**8.0**	**7.8**	**7.5**	**7.7**	**7.5**	**6.3**	**7.0**	**6.6**
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	1.572	1.563	1.656	1.628	1.676	1.629	1.592	1.558	1.526	1.514	1.488	1.462
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**	**6.6**	**6.5**	**6.7**	**6.5**	**6.4**	**6.2**	**6.1**	**6.1**	**6.0**	**5.8**

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 dril, 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 1

3Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	1656.0	2067.9	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	1656.0	2067.9	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Safety System Functional Failures	1	0	0	0	0	0	0	0
Indicator value	**4**	**3**	**1**	**1**	**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).

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	-1.39E-09	-3.52E-09	-2.12E-10	9.23E-09	2.38E-08	1.46E-08	1.07E-08	8.61E-09
URI (ΔCDF)	-6.94E-08	-7.26E-08	-7.19E-08	-7.15E-08	-7.16E-08	-6.72E-08	-6.51E-08	-6.43E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.10E-08**	**-7.60E-08**	**-7.20E-08**	**-6.20E-08**	**-4.80E-08**	**-5.30E-08**	**-5.40E-08**	**-5.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	1.85E-08	2.43E-08	2.30E-08	2.03E-08	1.92E-08	1.41E-08	1.33E-08	1.30E-08
URI (ΔCDF)	-1.31E-08	-1.31E-08	-1.49E-08	-1.49E-08	-1.49E-08	-1.43E-08	-1.37E-08	-1.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.40E-09**	**1.10E-08**	**8.10E-09**	**5.40E-09**	**4.30E-09**	**-2.40E-10**	**-4.00E-10**	**-7.30E-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)	-6.78E-10	1.03E-09	6.91E-10	1.16E-09	1.11E-09	4.77E-10	-1.20E-09	-9.18E-10
URI (ΔCDF)	-1.21E-08	-1.21E-08	-1.26E-08	-1.31E-08	-1.31E-08	-1.31E-08	-1.15E-08	-1.15E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-1.10E-08**	**-1.20E-08**	**-1.20E-08**	**-1.20E-08**	**-1.30E-08**	**-1.30E-08**	**-1.20E-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/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	-2.35E-08	-1.63E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08
URI (ΔCDF)	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.40E-08**	**-5.70E-08**	**-6.40E-08**	**-6.40E-08**	**-6.40E-08**	**-6.40E-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	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	5.27E-08	6.05E-08	5.89E-08	5.86E-08	6.52E-08	3.23E-08	3.68E-08	3.68E-08
URI (ΔCDF)	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.20E-08**	**6.00E-08**	**5.80E-08**	**5.80E-08**	**6.50E-08**	**3.20E-08**	**3.60E-08**	**3.60E-08**

Licensee Comments:

1Q/13: February Unavailability Hours were added for 1B 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	0.000047	0.000037	0.000035	0.000039	0.000039	0.000034	0.000013	0.000014	0.000010	0.000012	0.000015	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	0.000014	0.000014	0.000014	0.000017	0.000015	0.000014	0.000021	0.000021	0.000024	0.000028	0.000039	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	**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	1.956	1.991	1.940	1.878	1.931	1.881	1.580	1.760	1.640	1.572	1.563	1.656
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	**7.8**	**8.0**	**7.8**	**7.5**	**7.7**	**7.5**	**6.3**	**7.0**	**6.6**	**6.3**	**6.3**	**6.6**
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	1.628	1.676	1.629	1.592	1.558	1.526	1.514	1.488	1.462	1.433	1.448	1.438
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**	**6.7**	**6.5**	**6.4**	**6.2**	**6.1**	**6.1**	**6.0**	**5.8**	**5.7**	**5.8**	**5.8**

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 1

4Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1656.0	2067.9	2208.0	2209.0	2159.0	2184.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1656.0	2067.9	2208.0	2209.0	2159.0	2184.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (BWR)

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	-3.52E-09	-2.12E-10	9.23E-09	2.38E-08	1.46E-08	1.07E-08	8.61E-09	9.43E-09
URI (ΔCDF)	-7.26E-08	-7.19E-08	-7.15E-08	-7.16E-08	-6.72E-08	-6.51E-08	-6.43E-08	-6.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.60E-08**	**-7.20E-08**	**-6.20E-08**	**-4.80E-08**	**-5.30E-08**	**-5.40E-08**	**-5.60E-08**	**-5.60E-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)	2.43E-08	2.30E-08	2.03E-08	1.92E-08	1.41E-08	1.33E-08	1.30E-08	1.32E-08
URI (ΔCDF)	-1.31E-08	-1.49E-08	-1.49E-08	-1.49E-08	-1.43E-08	-1.37E-08	-1.37E-08	-1.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.10E-08**	**8.10E-09**	**5.40E-09**	**4.30E-09**	**-2.40E-10**	**-4.00E-10**	**-7.30E-10**	**-4.70E-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/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	1.03E-09	6.91E-10	1.16E-09	1.11E-09	4.77E-10	-1.20E-09	-9.18E-10	4.42E-10
URI (ΔCDF)	-1.21E-08	-1.26E-08	-1.31E-08	-1.31E-08	-1.31E-08	-1.15E-08	-1.15E-08	-1.15E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-08**	**-1.20E-08**	**-1.20E-08**	**-1.20E-08**	**-1.30E-08**	**-1.30E-08**	**-1.20E-08**	**-1.10E-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/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	-1.63E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08
URI (ΔCDF)	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.70E-08**	**-6.40E-08**	**-6.40E-08**	**-6.40E-08**	**-6.40E-08**	**-6.40E-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	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	6.05E-08	5.89E-08	5.86E-08	6.52E-08	3.23E-08	3.68E-08	3.68E-08	3.68E-08
URI (ΔCDF)	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.00E-08**	**5.80E-08**	**5.80E-08**	**6.50E-08**	**3.20E-08**	**3.60E-08**	**3.60E-08**	**3.60E-08**

Licensee Comments:

1Q/13: February Unavailability Hours were added for 1B 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	0.000039	0.000039	0.000034	0.000013	0.000014	0.000010	0.000012	0.000015	0.000009	0.000014	0.000014	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	**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	0.000017	0.000015	0.000014	0.000021	0.000021	0.000024	0.000028	0.000039	0.000030	0.000037	0.000035	0.000035
Technical specification limit	0.2	0.2	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	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**
Maximum leakage	1.878	1.931	1.881	1.580	1.760	1.640	1.572	1.563	1.656	1.628	1.676	1.629
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**	**7.7**	**7.5**	**6.3**	**7.0**	**6.6**	**6.3**	**6.3**	**6.6**	**6.5**	**6.7**	**6.5**
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	1.592	1.558	1.526	1.514	1.488	1.462	1.433	1.448	1.438	1.438	1.472	1.429
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	**6.4**	**6.2**	**6.1**	**6.1**	**6.0**	**5.8**	**5.7**	**5.8**	**5.8**	**5.8**	**5.9**	**5.7**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful opportunities	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 1

1Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2067.9	2208.0	2209.0	2159.0	2184.0	2208.0	2209.0	1668.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2067.9	2208.0	2209.0	2159.0	2184.0	2208.0	2209.0	1668.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.8**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Safety System Functional Failures	0	0	0	0	0	0	0	1
Indicator value	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**1**

Licensee Comments:

1Q/15: LER 254/2014-005-00, 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)	-2.12E-10	9.23E-09	2.38E-08	1.46E-08	1.07E-08	8.61E-09	9.43E-09	2.75E-08
URI (ΔCDF)	-7.19E-08	-7.15E-08	-7.16E-08	-6.72E-08	-6.51E-08	-6.43E-08	-6.50E-08	-6.52E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.20E-08**	**-6.20E-08**	**-4.80E-08**	**-5.30E-08**	**-5.40E-08**	**-5.60E-08**	**-5.60E-08**	**-3.80E-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)	2.30E-08	2.03E-08	1.92E-08	1.41E-08	1.33E-08	1.30E-08	1.32E-08	1.57E-08
URI (ΔCDF)	-1.49E-08	-1.49E-08	-1.49E-08	-1.43E-08	-1.37E-08	-1.37E-08	-1.37E-08	-1.49E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.10E-09**	**5.40E-09**	**4.30E-09**	**-2.40E-10**	**-4.00E-10**	**-7.30E-10**	**-4.70E-10**	**7.80E-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/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	6.91E-10	1.16E-09	1.11E-09	4.77E-10	-1.20E-09	-9.18E-10	4.42E-10	-2.35E-09
URI (ΔCDF)	-1.26E-08	-1.31E-08	-1.31E-08	-1.31E-08	-1.15E-08	-1.15E-08	-1.15E-08	-1.31E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-08**	**-1.20E-08**	**-1.20E-08**	**-1.30E-08**	**-1.30E-08**	**-1.20E-08**	**-1.10E-08**	**-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	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (ΔCDF)	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08
URI (ΔCDF)	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.40E-08**	**-6.40E-08**	**-6.40E-08**	**-6.40E-08**	**-6.40E-08**	**-6.40E-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	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	5.89E-08	5.86E-08	6.52E-08	3.23E-08	3.68E-08	3.68E-08	3.68E-08	3.80E-08
URI (ΔCDF)	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.80E-08**	**5.80E-08**	**6.50E-08**	**3.20E-08**	**3.60E-08**	**3.60E-08**	**3.60E-08**	**3.70E-08**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**
Maximum activity	0.000013	0.000014	0.000010	0.000012	0.000015	0.000009	0.000014	0.000014	0.000014	0.000017	0.000015	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	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**
Maximum activity	0.000021	0.000021	0.000024	0.000028	0.000039	0.000030	0.000037	0.000035	0.000035	0.000029	0.000041	0.000027
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1.580	1.760	1.640	1.572	1.563	1.656	1.628	1.676	1.629	1.592	1.558	1.526
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**	**7.0**	**6.6**	**6.3**	**6.3**	**6.6**	**6.5**	**6.7**	**6.5**	**6.4**	**6.2**	**6.1**
Reactor Coolant System Leakage	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**
Maximum leakage	1.514	1.488	1.462	1.433	1.448	1.438	1.438	1.472	1.429	1.426	1.426	1.533
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**	**6.0**	**5.8**	**5.7**	**5.8**	**5.8**	**5.8**	**5.9**	**5.7**	**5.7**	**5.7**	**6.1**

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 1

2Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	2209.0	1668.0	2125.7
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	2209.0	1668.0	2125.7
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.8**	**0.9**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Scrams with complications	0	0	0	0	0	0	0	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/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	1
Indicator value	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**2**

Licensee Comments:

1Q/15: LER 254/2014-005-00, 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)	9.23E-09	2.38E-08	1.46E-08	1.07E-08	8.61E-09	9.43E-09	2.75E-08	3.65E-08
URI (ΔCDF)	-7.15E-08	-7.16E-08	-6.72E-08	-6.51E-08	-6.43E-08	-6.50E-08	-6.52E-08	-7.01E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.20E-08**	**-4.80E-08**	**-5.30E-08**	**-5.40E-08**	**-5.60E-08**	**-5.60E-08**	**-3.80E-08**	**-3.40E-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)	2.03E-08	1.92E-08	1.41E-08	1.33E-08	1.30E-08	1.32E-08	1.57E-08	9.81E-09
URI (ΔCDF)	-1.49E-08	-1.49E-08	-1.43E-08	-1.37E-08	-1.37E-08	-1.37E-08	-1.49E-08	-1.94E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.40E-09**	**4.30E-09**	**-2.40E-10**	**-4.00E-10**	**-7.30E-10**	**-4.70E-10**	**7.80E-10**	**-9.60E-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	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	1.16E-09	1.11E-09	4.77E-10	-1.20E-09	-9.18E-10	4.42E-10	-2.35E-09	-2.55E-09
URI (ΔCDF)	-1.31E-08	-1.31E-08	-1.31E-08	-1.15E-08	-1.15E-08	-1.15E-08	-1.31E-08	-1.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-08**	**-1.20E-08**	**-1.30E-08**	**-1.30E-08**	**-1.20E-08**	**-1.10E-08**	**-1.50E-08**	**-1.60E-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/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-1.35E-08
URI (ΔCDF)	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-2.77E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.40E-08**	**-6.40E-08**	**-6.40E-08**	**-6.40E-08**	**-6.40E-08**	**-6.40E-08**	**-6.40E-08**	**-4.10E-08**

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)	5.86E-08	6.52E-08	3.23E-08	3.68E-08	3.68E-08	3.68E-08	3.80E-08	3.01E-08
URI (ΔCDF)	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-1.39E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.80E-08**	**6.50E-08**	**3.20E-08**	**3.60E-08**	**3.60E-08**	**3.60E-08**	**3.70E-08**	**3.00E-08**

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	0.000012	0.000015	0.000009	0.000014	0.000014	0.000014	0.000017	0.000015	0.000014	0.000021	0.000021	0.000024
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**
Maximum activity	0.000028	0.000039	0.000030	0.000037	0.000035	0.000035	0.000029	0.000041	0.000027	0.000029	0.000031	0.000029
Technical specification limit	0.2	0.2	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	1.572	1.563	1.656	1.628	1.676	1.629	1.592	1.558	1.526	1.514	1.488	1.462
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**	**6.6**	**6.5**	**6.7**	**6.5**	**6.4**	**6.2**	**6.1**	**6.1**	**6.0**	**5.8**
Reactor Coolant System Leakage	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**
Maximum leakage	1.433	1.448	1.438	1.438	1.472	1.429	1.426	1.426	1.533	1.562	1.594	1.605
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**	**5.8**	**5.8**	**5.9**	**5.7**	**5.7**	**5.7**	**6.1**	**6.2**	**6.4**	**6.4**

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 1

3Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	2209.0	1668.0	2125.7	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**	**0.9**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	2209.0	1668.0	2125.7	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.8**	**0.9**	**0.9**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Scrams with complications	0	0	0	0	0	0	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/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	1	1
Indicator value	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**3**

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)

2Q/15: LER 254/2015-004-00, Automatic Depressurization System Trip Logic Failure

1Q/15: LER 254/2014-005-00, 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)	2.38E-08	1.46E-08	1.07E-08	8.61E-09	9.43E-09	2.75E-08	3.65E-08	5.97E-08
URI (ΔCDF)	-7.16E-08	-6.72E-08	-6.51E-08	-6.43E-08	-6.50E-08	-6.52E-08	-7.01E-08	-7.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.80E-08**	**-5.30E-08**	**-5.40E-08**	**-5.60E-08**	**-5.60E-08**	**-3.80E-08**	**-3.40E-08**	**-1.00E-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	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	1.92E-08	1.41E-08	1.33E-08	1.30E-08	1.32E-08	1.57E-08	9.81E-09	6.63E-09
URI (ΔCDF)	-1.49E-08	-1.43E-08	-1.37E-08	-1.37E-08	-1.37E-08	-1.49E-08	-1.94E-08	-1.94E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.30E-09**	**-2.40E-10**	**-4.00E-10**	**-7.30E-10**	**-4.70E-10**	**7.80E-10**	**-9.60E-09**	**-1.30E-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	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	1.11E-09	4.77E-10	-1.20E-09	-9.18E-10	4.42E-10	-2.17E-09	-2.37E-09	-1.84E-09
URI (ΔCDF)	-1.31E-08	-1.31E-08	-1.15E-08	-1.15E-08	-1.15E-08	-1.38E-09	-1.22E-09	-1.22E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-08**	**-1.30E-08**	**-1.30E-08**	**-1.20E-08**	**-1.10E-08**	**-3.60E-09**	**-3.60E-09**	**-3.10E-09**

Licensee Comments:

2Q/15: Changed PRA Parameter(s).

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

1Q/15: 1-1301-61 valve failure

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)	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-1.35E-08	-1.35E-08
URI (ΔCDF)	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-2.77E-08	-2.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.40E-08**	**-6.40E-08**	**-6.40E-08**	**-6.40E-08**	**-6.40E-08**	**-6.40E-08**	**-4.10E-08**	**-4.00E-08**

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)	6.52E-08	3.23E-08	3.68E-08	3.68E-08	3.68E-08	3.80E-08	3.01E-08	3.01E-08
URI (ΔCDF)	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-1.39E-10	-1.39E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.50E-08**	**3.20E-08**	**3.60E-08**	**3.60E-08**	**3.60E-08**	**3.70E-08**	**3.00E-08**	**3.00E-08**

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	0.000014	0.000014	0.000014	0.000017	0.000015	0.000014	0.000021	0.000021	0.000024	0.000028	0.000039	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	**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	0.000037	0.000035	0.000035	0.000029	0.000041	0.000027	0.000029	0.000031	0.000029	0.000032	0.000054	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

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	1.628	1.676	1.629	1.592	1.558	1.526	1.514	1.488	1.462	1.433	1.448	1.438
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**	**6.7**	**6.5**	**6.4**	**6.2**	**6.1**	**6.1**	**6.0**	**5.8**	**5.7**	**5.8**	**5.8**
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	1.438	1.472	1.429	1.426	1.426	1.533	1.562	1.594	1.605	1.585	1.556	1.517
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**	**5.7**	**5.7**	**5.7**	**6.1**	**6.2**	**6.4**	**6.4**	**6.3**	**6.2**	**6.1**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful opportunities	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 1

4Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	1668.0	2125.7	2208.0	2209.0
Indicator value	**0**	**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/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	1668.0	2125.7	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0.8**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Scrams with complications	0	0	0	0	0	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/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Safety System Functional Failures	0	0	0	0	1	1	1	0
Indicator value	**0**	**0**	**0**	**0**	**1**	**2**	**3**	**3**

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)

2Q/15: LER 254/2015-004-00, Automatic Depressurization System Trip Logic Failure

1Q/15: LER 254/2014-005-00, 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)	1.46E-08	1.07E-08	8.61E-09	9.43E-09	2.75E-08	3.65E-08	5.97E-08	7.42E-08
URI (ΔCDF)	-6.72E-08	-6.51E-08	-6.43E-08	-6.50E-08	-6.52E-08	-7.01E-08	-7.00E-08	-7.04E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-08**	**-5.40E-08**	**-5.60E-08**	**-5.60E-08**	**-3.80E-08**	**-3.40E-08**	**-1.00E-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	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	1.41E-08	1.33E-08	1.30E-08	1.32E-08	1.57E-08	9.81E-09	6.63E-09	1.56E-08
URI (ΔCDF)	-1.43E-08	-1.37E-08	-1.37E-08	-1.37E-08	-1.49E-08	-1.94E-08	-1.94E-08	-1.94E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.40E-10**	**-4.00E-10**	**-7.30E-10**	**-4.70E-10**	**7.80E-10**	**-9.60E-09**	**-1.30E-08**	**-3.70E-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	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	4.77E-10	-1.20E-09	-9.18E-10	4.42E-10	-2.17E-09	-2.37E-09	-1.84E-09	1.75E-09
URI (ΔCDF)	-1.31E-08	-1.15E-08	-1.15E-08	-1.15E-08	-1.38E-09	-1.22E-09	-1.22E-09	-1.22E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-1.30E-08**	**-1.20E-08**	**-1.10E-08**	**-3.60E-09**	**-3.60E-09**	**-3.10E-09**	**5.20E-10**

Licensee Comments:

2Q/15: Changed PRA Parameter(s).

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

1Q/15: 1-1301-61 valve failure

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)	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-1.35E-08	-1.35E-08	-1.35E-08
URI (ΔCDF)	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-2.77E-08	-2.65E-08	-2.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.40E-08**	**-6.40E-08**	**-6.40E-08**	**-6.40E-08**	**-6.40E-08**	**-4.10E-08**	**-4.00E-08**	**-4.00E-08**

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)	3.23E-08	3.68E-08	3.68E-08	3.68E-08	3.80E-08	3.01E-08	3.01E-08	3.84E-09
URI (ΔCDF)	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-1.39E-10	-1.39E-10	-1.39E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.20E-08**	**3.60E-08**	**3.60E-08**	**3.60E-08**	**3.70E-08**	**3.00E-08**	**3.00E-08**	**3.70E-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	**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	0.000017	0.000015	0.000014	0.000021	0.000021	0.000024	0.000028	0.000039	0.000030	0.000037	0.000035	0.000035
Technical specification limit	0.2	0.2	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	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**
Maximum activity	0.000029	0.000041	0.000027	0.000029	0.000031	0.000029	0.000032	0.000054	0.000043	0.000036	0.000041	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

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	1.592	1.558	1.526	1.514	1.488	1.462	1.433	1.448	1.438	1.438	1.472	1.429
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	**6.4**	**6.2**	**6.1**	**6.1**	**6.0**	**5.8**	**5.7**	**5.8**	**5.8**	**5.8**	**5.9**	**5.7**
Reactor Coolant System Leakage	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**
Maximum leakage	1.426	1.426	1.533	1.562	1.594	1.605	1.585	1.556	1.517	1.476	1.506	1.455
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**	**5.7**	**6.1**	**6.2**	**6.4**	**6.4**	**6.3**	**6.2**	**6.1**	**5.9**	**6.0**	**5.8**

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 1

1Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2184.0	2208.0	2209.0	1668.0	2125.7	2208.0	2209.0	2183.0
Indicator value	**0**	**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/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	1668.0	2125.7	2208.0	2209.0	2183.0
Indicator value	**0**	**0**	**0**	**0.8**	**0.9**	**0.9**	**0.9**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Scrams with complications	0	0	0	0	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/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Safety System Functional Failures	0	0	0	1	1	1	0	1
Indicator value	**0**	**0**	**0**	**1**	**2**	**3**	**3**	**3**

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)

2Q/15: LER 254/2015-004-00, Automatic Depressurization System Trip Logic Failure

1Q/15: LER 254/2014-005-00, 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)	1.07E-08	8.61E-09	9.43E-09	2.75E-08	3.65E-08	5.97E-08	7.42E-08	6.83E-08
URI (ΔCDF)	-6.51E-08	-6.43E-08	-6.50E-08	-6.54E-08	-7.02E-08	-7.02E-08	-7.05E-08	-6.59E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.40E-08**	**-5.60E-08**	**-5.60E-08**	**-3.80E-08**	**-3.40E-08**	**-1.00E-08**	**3.70E-09**	**2.50E-09**

Licensee Comments:

4Q/15: November data corrected

2Q/15: Changed PRA Parameter(s).

2Q/15: Changed PRA Parameter(s). 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)	1.33E-08	1.30E-08	1.32E-08	1.57E-08	9.81E-09	6.63E-09	1.18E-08	5.18E-09
URI (ΔCDF)	-1.37E-08	-1.37E-08	-1.37E-08	-1.49E-08	-1.94E-08	-1.94E-08	-1.94E-08	-2.01E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.00E-10**	**-7.30E-10**	**-4.70E-10**	**7.80E-10**	**-9.60E-09**	**-1.30E-08**	**-7.50E-09**	**-1.50E-08**

Licensee Comments:

4Q/15: November data corrected.

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)	-1.20E-09	-9.18E-10	4.42E-10	-2.17E-09	-2.37E-09	-1.84E-09	1.75E-09	1.25E-09
URI (ΔCDF)	-1.15E-08	-1.15E-08	-1.15E-08	-1.38E-09	-1.22E-09	-1.22E-09	-1.22E-09	-1.22E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-1.20E-08**	**-1.10E-08**	**-3.60E-09**	**-3.60E-09**	**-3.10E-09**	**5.20E-10**	**2.60E-11**

Licensee Comments:

2Q/15: Changed PRA Parameter(s).

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

1Q/15: 1-1301-61 valve failure

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)	-2.38E-08	-2.38E-08	-2.38E-08	-2.38E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08
URI (ΔCDF)	-4.06E-08	-4.06E-08	-4.06E-08	-4.06E-08	-2.77E-08	-2.65E-08	-2.65E-08	-2.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.40E-08**	**-6.40E-08**	**-6.40E-08**	**-6.40E-08**	**-4.10E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**

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)	3.68E-08	3.68E-08	3.68E-08	3.80E-08	3.01E-08	3.01E-08	3.84E-09	2.13E-08
URI (ΔCDF)	-5.28E-10	-5.28E-10	-5.28E-10	-5.28E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.60E-08**	**3.60E-08**	**3.60E-08**	**3.70E-08**	**3.00E-08**	**3.00E-08**	**3.70E-09**	**2.10E-08**

Licensee Comments:

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	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**
Maximum activity	0.000021	0.000021	0.000024	0.000028	0.000039	0.000030	0.000037	0.000035	0.000035	0.000029	0.000041	0.000027
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**
Maximum activity	0.000029	0.000031	0.000029	0.000032	0.000054	0.000043	0.000036	0.000041	0.000043	0.000046	0.000040	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**	**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	1.514	1.488	1.462	1.433	1.448	1.438	1.438	1.472	1.429	1.426	1.426	1.533
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**	**6.0**	**5.8**	**5.7**	**5.8**	**5.8**	**5.8**	**5.9**	**5.7**	**5.7**	**5.7**	**6.1**
Reactor Coolant System Leakage	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**
Maximum leakage	1.562	1.594	1.605	1.585	1.556	1.517	1.476	1.506	1.455	1.465	1.478	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	**6.2**	**6.4**	**6.4**	**6.3**	**6.2**	**6.1**	**5.9**	**6.0**	**5.8**	**5.9**	**5.9**	**6.0**

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 1

2Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2208.0	2209.0	1668.0	2125.7	2208.0	2209.0	2183.0	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/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	1668.0	2125.7	2208.0	2209.0	2183.0	2184.0
Indicator value	**0**	**0**	**0.8**	**0.9**	**0.9**	**0.9**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Scrams with complications	0	0	0	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/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Safety System Functional Failures	0	0	1	1	1	0	1	0
Indicator value	**0**	**0**	**1**	**2**	**3**	**3**	**3**	**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)

2Q/15: LER 254/2015-004-00, Automatic Depressurization System Trip Logic Failure

1Q/15: LER 254/2014-005-00, 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)	8.61E-09	9.43E-09	2.75E-08	3.65E-08	5.97E-08	7.42E-08	6.83E-08	5.76E-08
URI (ΔCDF)	-6.43E-08	-6.50E-08	-6.54E-08	-7.02E-08	-7.02E-08	-7.05E-08	-6.59E-08	-6.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.60E-08**	**-5.60E-08**	**-3.80E-08**	**-3.40E-08**	**-1.00E-08**	**3.70E-09**	**2.50E-09**	**-8.40E-09**

Licensee Comments:

4Q/15: November data corrected

2Q/15: Changed PRA Parameter(s).

2Q/15: Changed PRA Parameter(s). 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)	1.30E-08	1.32E-08	1.57E-08	9.81E-09	6.63E-09	1.18E-08	5.18E-09	5.17E-09
URI (ΔCDF)	-1.37E-08	-1.37E-08	-1.49E-08	-1.94E-08	-1.94E-08	-1.94E-08	-2.01E-08	-1.79E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.30E-10**	**-4.70E-10**	**7.80E-10**	**-9.60E-09**	**-1.30E-08**	**-7.50E-09**	**-1.50E-08**	**-1.30E-08**

Licensee Comments:

4Q/15: November data corrected.

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)	-9.18E-10	4.42E-10	-2.17E-09	-2.37E-09	-1.84E-09	1.75E-09	1.25E-09	1.99E-09
URI (ΔCDF)	-1.15E-08	-1.15E-08	-1.38E-09	-1.22E-09	-1.22E-09	-1.22E-09	-1.22E-09	-7.28E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-08**	**-1.10E-08**	**-3.60E-09**	**-3.60E-09**	**-3.10E-09**	**5.20E-10**	**2.60E-11**	**1.30E-09**

Licensee Comments:

2Q/15: Changed PRA Parameter(s).

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

1Q/15: 1-1301-61 valve failure

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)	-2.38E-08	-2.38E-08	-2.38E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08
URI (ΔCDF)	-4.06E-08	-4.06E-08	-4.06E-08	-2.77E-08	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.40E-08**	**-6.40E-08**	**-6.40E-08**	**-4.10E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**

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)	3.68E-08	3.68E-08	3.80E-08	3.01E-08	3.01E-08	3.84E-09	2.13E-08	1.25E-08
URI (ΔCDF)	-5.28E-10	-5.28E-10	-5.28E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.60E-08**	**3.60E-08**	**3.70E-08**	**3.00E-08**	**3.00E-08**	**3.70E-09**	**2.10E-08**	**1.20E-08**

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	0.000028	0.000039	0.000030	0.000037	0.000035	0.000035	0.000029	0.000041	0.000027	0.000029	0.000031	0.000029
Technical specification limit	0.2	0.2	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	0.000032	0.000054	0.000043	0.000036	0.000041	0.000043	0.000046	0.000040	0.000047	0.000049	0.000067	0.000068
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**
Maximum leakage	1.433	1.448	1.438	1.438	1.472	1.429	1.426	1.426	1.533	1.562	1.594	1.605
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**	**5.8**	**5.8**	**5.9**	**5.7**	**5.7**	**5.7**	**6.1**	**6.2**	**6.4**	**6.4**
Reactor Coolant System Leakage	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**
Maximum leakage	1.585	1.556	1.517	1.476	1.506	1.455	1.465	1.478	1.490	1.521	1.495	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	**6.3**	**6.2**	**6.1**	**5.9**	**6.0**	**5.8**	**5.9**	**5.9**	**6.0**	**6.1**	**6.0**	**5.9**

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 1

3Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2209.0	1668.0	2125.7	2208.0	2209.0	2183.0	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/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2209.0	1668.0	2125.7	2208.0	2209.0	2183.0	2184.0	2208.0
Indicator value	**0**	**0.8**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Scrams with complications	0	0	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/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Safety System Functional Failures	0	1	1	1	0	1	0	0
Indicator value	**0**	**1**	**2**	**3**	**3**	**3**	**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)

2Q/15: LER 254/2015-004-00, Automatic Depressurization System Trip Logic Failure

1Q/15: LER 254/2014-005-00, 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)	9.43E-09	2.75E-08	3.65E-08	5.97E-08	7.42E-08	6.83E-08	5.76E-08	6.16E-08
URI (ΔCDF)	-6.50E-08	-6.54E-08	-7.02E-08	-7.02E-08	-7.05E-08	-6.59E-08	-6.60E-08	-6.54E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.60E-08**	**-3.80E-08**	**-3.40E-08**	**-1.00E-08**	**3.70E-09**	**2.50E-09**	**-8.40E-09**	**-3.80E-09**

Licensee Comments:

4Q/15: November data corrected

2Q/15: Changed PRA Parameter(s).

2Q/15: Changed PRA Parameter(s). 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)	1.32E-08	1.57E-08	9.81E-09	6.63E-09	1.18E-08	5.18E-09	5.17E-09	5.39E-09
URI (ΔCDF)	-1.37E-08	-1.49E-08	-1.94E-08	-1.94E-08	-1.94E-08	-2.01E-08	-1.79E-08	-1.79E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.70E-10**	**7.80E-10**	**-9.60E-09**	**-1.30E-08**	**-7.50E-09**	**-1.50E-08**	**-1.30E-08**	**-1.30E-08**

Licensee Comments:

4Q/15: November data corrected.

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/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (ΔCDF)	4.42E-10	-2.17E-09	-2.37E-09	-1.84E-09	1.75E-09	1.25E-09	1.99E-09	3.66E-09
URI (ΔCDF)	-1.15E-08	-1.38E-09	-1.22E-09	-1.22E-09	-1.22E-09	-1.22E-09	-7.28E-10	5.28E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-08**	**-3.60E-09**	**-3.60E-09**	**-3.10E-09**	**5.20E-10**	**2.60E-11**	**1.30E-09**	**5.60E-08**

Licensee Comments:

3Q/16: July - Reference IR 02696095 (U-1 RCIC FIC, WO 01941037)

2Q/15: Changed PRA Parameter(s).

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

1Q/15: 1-1301-61 valve failure

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)	-2.38E-08	-2.38E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08
URI (ΔCDF)	-4.06E-08	-4.06E-08	-2.77E-08	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.40E-08**	**-6.40E-08**	**-4.10E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**

Licensee Comments:

3Q/16: 1B HRH Seal Cooler 7/27/2016 04:00 - 7/28/2016 20:15

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)	3.68E-08	3.80E-08	3.01E-08	3.01E-08	3.84E-09	2.13E-08	1.25E-08	1.25E-08
URI (ΔCDF)	-5.28E-10	-5.28E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.60E-08**	**3.70E-08**	**3.00E-08**	**3.00E-08**	**3.70E-09**	**2.10E-08**	**1.20E-08**	**1.20E-08**

Licensee Comments:

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**
Maximum activity	0.000037	0.000035	0.000035	0.000029	0.000041	0.000027	0.000029	0.000031	0.000029	0.000032	0.000054	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	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**	**7/16**	**8/16**	**9/16**
Maximum activity	0.000036	0.000041	0.000043	0.000046	0.000040	0.000047	0.000049	0.000067	0.000068	0.000040	0.000068	0.000055
Technical specification limit	0.2	0.2	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	1.438	1.472	1.429	1.426	1.426	1.533	1.562	1.594	1.605	1.585	1.556	1.517
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**	**5.7**	**5.7**	**5.7**	**6.1**	**6.2**	**6.4**	**6.4**	**6.3**	**6.2**	**6.1**
Reactor Coolant System Leakage	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**	**7/16**	**8/16**	**9/16**
Maximum leakage	1.476	1.506	1.455	1.465	1.478	1.490	1.521	1.495	1.474	1.459	1.459	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	**5.9**	**6.0**	**5.8**	**5.9**	**5.9**	**6.0**	**6.1**	**6.0**	**5.9**	**5.8**	**5.8**	**5.8**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful opportunities	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 1

4Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	1668.0	2125.7	2208.0	2209.0	2183.0	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/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	1668.0	2125.7	2208.0	2209.0	2183.0	2184.0	2208.0	2209.0
Indicator value	**0.8**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Scrams with complications	0	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/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Safety System Functional Failures	1	1	1	0	1	0	0	0
Indicator value	**1**	**2**	**3**	**3**	**3**	**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)

2Q/15: LER 254/2015-004-00, Automatic Depressurization System Trip Logic Failure

1Q/15: LER 254/2014-005-00, 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)	2.75E-08	3.65E-08	5.97E-08	7.42E-08	6.83E-08	5.76E-08	6.16E-08	4.75E-08
URI (ΔCDF)	-6.54E-08	-7.02E-08	-7.02E-08	-7.05E-08	-6.59E-08	-6.60E-08	-6.54E-08	-6.82E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.80E-08**	**-3.40E-08**	**-1.00E-08**	**3.70E-09**	**2.50E-09**	**-8.40E-09**	**-3.80E-09**	**-2.10E-08**

Licensee Comments:

4Q/15: November data corrected

2Q/15: Changed PRA Parameter(s).

2Q/15: Changed PRA Parameter(s). 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)	1.57E-08	9.81E-09	6.63E-09	1.18E-08	5.18E-09	5.17E-09	5.39E-09	1.35E-08
URI (ΔCDF)	-1.49E-08	-1.94E-08	-1.94E-08	-1.94E-08	-2.01E-08	-1.79E-08	-1.79E-08	-1.79E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.80E-10**	**-9.60E-09**	**-1.30E-08**	**-7.50E-09**	**-1.50E-08**	**-1.30E-08**	**-1.30E-08**	**-4.40E-09**

Licensee Comments:

4Q/15: November data corrected.

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)	-2.17E-09	-2.37E-09	-1.84E-09	1.75E-09	1.25E-09	1.99E-09	3.66E-09	4.77E-09
URI (ΔCDF)	-1.38E-09	-1.22E-09	-1.22E-09	-1.22E-09	-1.22E-09	-7.28E-10	5.28E-08	5.28E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.60E-09**	**-3.60E-09**	**-3.10E-09**	**5.20E-10**	**2.60E-11**	**1.30E-09**	**5.60E-08**	**5.80E-08**

Licensee Comments:

3Q/16: July - Reference IR 02696095 (U-1 RCIC FIC, WO 01941037)

2Q/15: Changed PRA Parameter(s).

2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

1Q/15: 1-1301-61 valve failure

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	-2.38E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08
URI (ΔCDF)	-4.06E-08	-2.77E-08	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.40E-08**	**-4.10E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**

Licensee Comments:

3Q/16: 1B HRH Seal Cooler 7/27/2016 04:00 - 7/28/2016 20:15

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)	3.80E-08	3.01E-08	3.01E-08	3.84E-09	2.13E-08	1.25E-08	1.25E-08	8.45E-09
URI (ΔCDF)	-5.28E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.70E-08**	**3.00E-08**	**3.00E-08**	**3.70E-09**	**2.10E-08**	**1.20E-08**	**1.20E-08**	**8.30E-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	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**
Maximum activity	0.000029	0.000041	0.000027	0.000029	0.000031	0.000029	0.000032	0.000054	0.000043	0.000036	0.000041	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	**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	0.000046	0.000040	0.000047	0.000049	0.000067	0.000068	0.000040	0.000068	0.000055	0.000052	0.000055	0.000052
Technical specification limit	0.2	0.2	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	1.426	1.426	1.533	1.562	1.594	1.605	1.585	1.556	1.517	1.476	1.506	1.455
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**	**5.7**	**6.1**	**6.2**	**6.4**	**6.4**	**6.3**	**6.2**	**6.1**	**5.9**	**6.0**	**5.8**
Reactor Coolant System Leakage	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**	**7/16**	**8/16**	**9/16**	**10/16**	**11/16**	**12/16**
Maximum leakage	1.465	1.478	1.490	1.521	1.495	1.474	1.459	1.459	1.452	1.501	1.619	1.542
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**	**6.0**	**6.1**	**6.0**	**5.9**	**5.8**	**5.8**	**5.8**	**6.0**	**6.5**	**6.2**

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 1 – Quarterly Performance Indicators

1Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	2125.7	2208.0	2209.0	2183.0	2184.0	2208.0	2209.0	2040.4
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2125.7	2208.0	2209.0	2183.0	2184.0	2208.0	2209.0	2040.4
Indicator value	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Scrams with complications	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**

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	1	1	0	1	0	0	0	0
Indicator value	**2**	**3**	**3**	**3**	**2**	**1**	**1**	**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)
2Q/15: LER 254/2015-004-00, Automatic Depressurization System Trip Logic 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/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	3.65E-08	5.97E-08	7.42E-08	6.83E-08	5.76E-08	6.16E-08	4.75E-08	5.82E-08
URI (ΔCDF)	-7.02E-08	-7.02E-08	-7.05E-08	-6.59E-08	-6.60E-08	-6.54E-08	-6.82E-08	-6.86E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.40E-08**	**-1.00E-08**	**3.70E-09**	**2.50E-09**	**-8.40E-09**	**-3.80E-09**	**-2.10E-08**	**-1.00E-08**

TOP

Licensee Comments:
4Q/15: November data corrected
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)	9.81E-09	6.63E-09	1.18E-08	5.18E-09	5.17E-09	5.39E-09	1.35E-08	1.72E-08
URI (ΔCDF)	-1.94E-08	-1.94E-08	-1.94E-08	-2.01E-08	-1.79E-08	-1.79E-08	-1.79E-08	-1.79E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.60E-09**	**-1.30E-08**	**-7.50E-09**	**-1.50E-08**	**-1.30E-08**	**-1.30E-08**	**-4.40E-09**	**-7.30E-10**

TOP

Licensee Comments:
4Q/15: November data corrected.
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)	-2.37E-09	-1.84E-09	1.75E-09	1.25E-09	1.99E-09	3.66E-09	4.77E-09	6.71E-09
URI (ΔCDF)	-1.22E-09	-1.22E-09	-1.22E-09	-1.22E-09	-7.28E-10	5.28E-08	5.28E-08	5.28E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.60E-09**	**-3.10E-09**	**5.20E-10**	**2.60E-11**	**1.30E-09**	**5.60E-08**	**5.80E-08**	**5.90E-08**

TOP

Licensee Comments:
3Q/16: July - Reference IR 02696095 (U-1 RCIC FIC, WO 01941037)
2Q/15: Changed PRA Parameter(s).
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)	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08
URI (ΔCDF)	-2.77E-08	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.10E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**

TOP

Licensee Comments:
3Q/16: 1B HRH Seal Cooler 7/27/2016 04:00 - 7/28/2016 20:15
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)	3.01E-08	3.01E-08	3.84E-09	2.13E-08	1.25E-08	1.25E-08	8.45E-09	8.59E-09
URI (ΔCDF)	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.00E-08**	**3.00E-08**	**3.70E-09**	**2.10E-08**	**1.20E-08**	**1.20E-08**	**8.30E-09**	**8.50E-09**

TOP

Licensee Comments:
2Q/15: Changed PRA Parameter(s). Changed PRA Parameter(s).

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum activity	0.000029	0.000031	0.000029	0.000032	0.000054	0.000043	0.000036	0.000041	0.000043	0.000046	0.000040	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**	**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	0.000049	0.000067	0.000068	0.000040	0.000068	0.000055	0.000052	0.000055	0.000052	0.000054	0.000063	0.000067
Technical specification limit	0.2	0.2	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

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum leakage	1.562	1.594	1.605	1.585	1.556	1.517	1.476	1.506	1.455	1.465	1.478	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	**6.2**	**6.4**	**6.4**	**6.3**	**6.2**	**6.1**	**5.9**	**6.0**	**5.8**	**5.9**	**5.9**	**6.0**

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	1.521	1.495	1.474	1.459	1.459	1.452	1.501	1.619	1.542	1.526	1.537	1.516
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**	**6.0**	**5.9**	**5.8**	**5.8**	**5.8**	**6.0**	**6.5**	**6.2**	**6.1**	**6.1**	**6.1**

TOP

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful opportunities	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%**

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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.
2Q/15: 2015-05 changed successful drills from 13 to 16 and total drills from 13 to 16.

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

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful siren-tests	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%**

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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**

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Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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Licensee Comments: none

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

Current data as of: May 5, 2017

Page Last Reviewed/Updated Wednesday, June 07, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Quad Cities 1 – Quarterly Performance Indicators

2Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- 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	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	2208.0	2209.0	2040.4	1873.4
Indicator value	**0.9**	**0.9**	**0.8**	**0**	**0**	**0**	**0**	**0**

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Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	2208.0	2209.0	2040.4	1873.4
Indicator value	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**

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Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**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	**3**	**3**	**3**	**2**	**1**	**1**	**0**	**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	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	5.97E-08	7.42E-08	6.83E-08	5.76E-08	6.16E-08	4.75E-08	5.82E-08	6.20E-08
URI (ΔCDF)	-7.02E-08	-7.05E-08	-6.59E-08	-6.60E-08	-6.54E-08	-6.82E-08	-6.86E-08	-6.85E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-08**	**3.70E-09**	**2.50E-09**	**-8.40E-09**	**-3.80E-09**	**-2.10E-08**	**-1.00E-08**	**-6.50E-09**

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Licensee Comments:
4Q/15: November data corrected

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)	6.63E-09	1.18E-08	5.18E-09	5.17E-09	5.39E-09	1.35E-08	1.72E-08	1.84E-08
URI (ΔCDF)	-1.94E-08	-1.94E-08	-2.01E-08	-1.79E-08	-1.79E-08	-1.79E-08	-1.79E-08	-1.94E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-7.50E-09**	**-1.50E-08**	**-1.30E-08**	**-1.30E-08**	**-4.40E-09**	**-7.30E-10**	**-9.70E-10**

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Licensee Comments:
4Q/15: November data corrected.

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)	-1.84E-09	1.75E-09	1.25E-09	1.99E-09	3.66E-09	4.77E-09	6.71E-09	1.09E-08
URI (ΔCDF)	-1.22E-09	-1.22E-09	-1.22E-09	-7.28E-10	5.28E-08	5.28E-08	5.28E-08	9.96E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.10E-09**	**5.20E-10**	**2.60E-11**	**1.30E-09**	**5.60E-08**	**5.80E-08**	**5.90E-08**	**1.10E-07**

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Licensee Comments:
3Q/16: July - Reference IR 02696095 (U-1 RCIC FIC, WO 01941037)

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)	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08
URI (ΔCDF)	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**

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Licensee Comments:
3Q/16: 1B HRH Seal Cooler 7/27/2016 04:00 - 7/28/2016 20:15

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)	3.01E-08	3.84E-09	2.13E-08	1.25E-08	1.25E-08	8.45E-09	8.59E-09	1.13E-08
URI (ΔCDF)	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.00E-08**	**3.70E-09**	**2.10E-08**	**1.20E-08**	**1.20E-08**	**8.30E-09**	**8.50E-09**	**1.10E-08**

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Licensee Comments: none

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	0.000032	0.000054	0.000043	0.000036	0.000041	0.000043	0.000046	0.000040	0.000047	0.000049	0.000067	0.000068
Technical specification limit	0.2	0.2	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	0.000040	0.000068	0.000055	0.000052	0.000055	0.000052	0.000054	0.000063	0.000067	0.000016	0.000019	0.000021
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**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	1.585	1.556	1.517	1.476	1.506	1.455	1.465	1.478	1.490	1.521	1.495	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	**6.3**	**6.2**	**6.1**	**5.9**	**6.0**	**5.8**	**5.9**	**5.9**	**6.0**	**6.1**	**6.0**	**5.9**

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	1.459	1.459	1.452	1.501	1.619	1.542	1.526	1.537	1.516	1.719	1.710	1.722
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**	**5.8**	**6.0**	**6.5**	**6.2**	**6.1**	**6.1**	**6.1**	**6.9**	**6.8**	**6.9**

TOP

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful opportunities	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.

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Participating Key personnel	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%**

TOP

Licensee Comments: none

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**

TOP

Licensee Comments: none

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

Current data as of: July 26, 2017

Page Last Reviewed/Updated Wednesday, June 07, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Quad Cities 1 – Quarterly Performance Indicators

3Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
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- 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	2183.0	2184.0	2208.0	2209.0	2040.4	1873.4	2208.0
Indicator value	**0.9**	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**

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Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2183.0	2184.0	2208.0	2209.0	2040.4	1873.4	2208.0
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**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	**1.0**	**1.0**	**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	**3**	**3**	**2**	**1**	**1**	**0**	**0**	**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

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)	7.42E-08	6.83E-08	5.76E-08	6.16E-08	4.75E-08	5.82E-08	6.20E-08	9.18E-08
URI (ΔCDF)	-7.05E-08	-6.59E-08	-6.60E-08	-6.54E-08	-6.82E-08	-6.86E-08	-6.85E-08	-6.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.70E-09**	**2.50E-09**	**-8.40E-09**	**-3.80E-09**	**-2.10E-08**	**-1.00E-08**	**-6.50E-09**	**2.40E-08**

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Licensee Comments:
4Q/15: November data corrected

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	1.18E-08	5.18E-09	5.17E-09	5.39E-09	1.35E-08	1.72E-08	1.84E-08	1.82E-08
URI (ΔCDF)	-1.94E-08	-2.01E-08	-1.79E-08	-1.79E-08	-1.79E-08	-1.79E-08	-1.94E-08	-1.94E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.50E-09**	**-1.50E-08**	**-1.30E-08**	**-1.30E-08**	**-4.40E-09**	**-7.30E-10**	**-9.70E-10**	**-1.20E-09**

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Licensee Comments:
4Q/15: November data corrected.

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)	1.75E-09	1.25E-09	1.99E-09	3.66E-09	4.77E-09	6.71E-09	1.09E-08	1.04E-08
URI (ΔCDF)	-1.22E-09	-1.22E-09	-7.28E-10	5.28E-08	5.28E-08	5.28E-08	9.96E-08	9.96E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.20E-10**	**2.60E-11**	**1.30E-09**	**5.60E-08**	**5.80E-08**	**5.90E-08**	**1.10E-07**	**1.10E-07**

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Licensee Comments:
3Q/16: July - Reference IR 02696095 (U-1 RCIC FIC, WO 01941037)

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)	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08
URI (ΔCDF)	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**

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Licensee Comments:
3Q/16: 1B HRH Seal Cooler 7/27/2016 04:00 - 7/28/2016 20:15

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

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)	3.84E-09	2.13E-08	1.25E-08	1.25E-08	8.45E-09	8.59E-09	1.13E-08	1.13E-08
URI (ΔCDF)	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.70E-09**	**2.10E-08**	**1.20E-08**	**1.20E-08**	**8.30E-09**	**8.50E-09**	**1.10E-08**	**1.10E-08**

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Licensee Comments: none

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	0.000036	0.000041	0.000043	0.000046	0.000040	0.000047	0.000049	0.000067	0.000068	0.000040	0.000068	0.000055
Technical specification limit	0.2	0.2	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	0.000052	0.000055	0.000052	0.000054	0.000063	0.000067	0.000016	0.000019	0.000021	0.000022	0.000036	0.000033
Technical specification limit	0.2	0.2	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**

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Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum leakage	1.476	1.506	1.455	1.465	1.478	1.490	1.521	1.495	1.474	1.459	1.459	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	**5.9**	**6.0**	**5.8**	**5.9**	**5.9**	**6.0**	**6.1**	**6.0**	**5.9**	**5.8**	**5.8**	**5.8**

Reactor Coolant System Leakage	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Maximum leakage	1.501	1.619	1.542	1.526	1.537	1.516	1.719	1.710	1.722	1.685	1.715	1.739
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**	**6.5**	**6.2**	**6.1**	**6.1**	**6.1**	**6.9**	**6.8**	**6.9**	**6.7**	**6.9**	**7.0**

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%**

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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%**

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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**

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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**

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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: October 31, 2017

Page Last Reviewed/Updated Monday, November 06, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Quad Cities 1 – Quarterly Performance Indicators

4Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
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- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2184.0	2208.0	2209.0	2040.4	1873.4	2208.0	2209.0
Indicator value	**0.8**	**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	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2183.0	2184.0	2208.0	2209.0	2040.4	1873.4	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.8**

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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	**1.0**	**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	**3**	**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)
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	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	6.83E-08	5.76E-08	6.16E-08	4.75E-08	5.82E-08	6.20E-08	9.18E-08	8.94E-08
URI (ΔCDF)	-6.59E-08	-6.60E-08	-6.54E-08	-6.82E-08	-6.86E-08	-6.85E-08	-6.80E-08	-6.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.50E-09**	**-8.40E-09**	**-3.80E-09**	**-2.10E-08**	**-1.00E-08**	**-6.50E-09**	**2.40E-08**	**2.20E-08**

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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/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	5.18E-09	5.17E-09	5.39E-09	1.35E-08	1.72E-08	1.84E-08	1.82E-08	1.80E-08
URI (ΔCDF)	-2.01E-08	-1.79E-08	-1.79E-08	-1.79E-08	-1.79E-08	-1.94E-08	-1.94E-08	-2.01E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-08**	**-1.30E-08**	**-1.30E-08**	**-4.40E-09**	**-7.30E-10**	**-9.70E-10**	**-1.20E-09**	**-2.10E-09**

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Licensee Comments: none

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)	1.25E-09	1.99E-09	3.66E-09	4.77E-09	6.71E-09	1.09E-08	1.04E-08	8.73E-09
URI (ΔCDF)	-1.22E-09	-7.28E-10	5.28E-08	5.28E-08	5.28E-08	9.96E-08	9.96E-08	9.96E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.60E-11**	**1.30E-09**	**5.60E-08**	**5.80E-08**	**5.90E-08**	**1.10E-07**	**1.10E-07**	**1.10E-07**

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Licensee Comments:
3Q/16: July - Reference IR 02696095 (U-1 RCIC FIC, WO 01941037)

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)	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08	-1.35E-08
URI (ΔCDF)	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08	-2.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**	**-4.00E-08**

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Licensee Comments:
3Q/16: 1B HRH Seal Cooler 7/27/2016 04:00 - 7/28/2016 20:15

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)	2.13E-08	1.25E-08	1.25E-08	8.45E-09	8.59E-09	1.13E-08	1.13E-08	1.53E-08
URI (ΔCDF)	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10	-1.39E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.10E-08**	**1.20E-08**	**1.20E-08**	**8.30E-09**	**8.50E-09**	**1.10E-08**	**1.10E-08**	**1.50E-08**

TOP

Licensee Comments: none

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	0.000046	0.000040	0.000047	0.000049	0.000067	0.000068	0.000040	0.000068	0.000055	0.000052	0.000055	0.000052
Technical specification limit	0.2	0.2	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	0.000054	0.000063	0.000067	0.000016	0.000019	0.000021	0.000022	0.000036	0.000033	0.000033	0.000022	0.000027
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16
Maximum leakage	1.465	1.478	1.490	1.521	1.495	1.474	1.459	1.459	1.452	1.501	1.619	1.542
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**	**6.0**	**6.1**	**6.0**	**5.9**	**5.8**	**5.8**	**5.8**	**6.0**	**6.5**	**6.2**

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	1.526	1.537	1.516	1.719	1.710	1.722	1.685	1.715	1.739	1.737	1.811	1.752
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**	**6.1**	**6.1**	**6.9**	**6.8**	**6.9**	**6.7**	**6.9**	**7.0**	**6.9**	**7.2**	**7.0**

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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%**

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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%**

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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%**

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Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
High radiation area occurrences	0	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**

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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: February 1, 2018

Page Last Reviewed/Updated Monday, November 06, 2017