Susquehanna 2

1Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned scrams	0	1.0	0	0	0
Critical hours	1704.9	1433.4	2208.0	2071.1	2184.0
Indicator value	**1.8**	**1.9**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned power changes	2.0	1.0	0	1.0	0
Critical hours	1704.9	1433.4	2208.0	2071.1	2184.0
Indicator value	**4.5**	**4.7**	**3.7**	**3.8**	**1.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	0	5.30	0.10	41.20	0.70
Unplanned unavailable hours	0	0	0	28.20	4.80
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2208.00	2184.00
Train 2					
Planned unavailable hours	69.10	0	0	0	0
Unplanned unavailable hours	0	12.00	0	0	17.10
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2208.00	2184.00
Train 3					
Planned unavailable hours	0.20	20.50	26.80	6.70	16.80
Unplanned unavailable hours	0	33.40	0	0	3.40
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2208.00	2184.00
Train 4					
Planned unavailable hours	25.40	8.90	12.00	0.10	13.20
Unplanned unavailable hours	0	0	0	0	3.80
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2208.00	2184.00
Indicator value				**1.1%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	1.00	2.97	13.22	11.50	1.50
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1714.00	1411.80	2208.00	2070.32	2184.00
Indicator value				**1.6%**	**1.6%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	73.42	0.50	0.50	7.80	15.38
Unplanned unavailable hours	0	37.00	0	1.75	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1714.00	1401.80	2184.00	2070.32	2184.00
Indicator value				**1.7%**	**1.3%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	55.00	62.50	0	52.91	8.83
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	2184.00	2208.00	2208.00	2184.00
Train 2					
Planned unavailable hours	0	0	0	18.13	13.08
Unplanned unavailable hours	0	0	0	25.03	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2208.00	2184.00
Indicator value				**0.6%**	**0.6%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum activity	N/A	0.000016	0.000015	0.000015	0.000014	0.000011	0.000010	0.000011	0.000012	0.000016	0.000010	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum leakage	1.590	1.610	1.600	1.620	1.600	1.620	1.620	1.600	1.630	1.700	1.660	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	**6.4**	**6.4**	**6.4**	**6.5**	**6.4**	**6.5**	**6.5**	**6.4**	**6.5**	**6.8**	**6.6**	**6.6**

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	0	0	28.0	45.0	4.0
Total opportunities	0	0	29.0	47.0	4.0
Indicator value				**95.7%**	**95.8%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Participating Key personnel				52.0	53.0
Total Key personnel				52.0	53.0
Indicator value				**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful siren-tests	895	740	893	782	893
Total sirens-tests	896	748	896	784	896
Indicator value	**99.7%**	**99.5%**	**99.6%**	**99.6%**	**99.5%**

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	1
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0
Indicator value	**4**	**1**	**0**	**0**	**1**

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	34.40	1.70	17.20	6.80	0
CCTV compensatory hours	0	0	0	0	0
IDS normalization factor	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.5	1.5	1.7	1.7	1.7
Index Value	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: April 1, 2002

Susquehanna 2

2Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned scrams	1.0	0	0	0	0
Critical hours	1433.4	2208.0	2071.1	2184.0	2183.0
Indicator value	**1.9**	**0.9**	**0.9**	**0.9**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Scrams	0	0	0	0	0
Indicator value			**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	1.0	0	0
Critical hours	1433.4	2208.0	2071.1	2184.0	2183.0
Indicator value	**4.7**	**3.7**	**3.8**	**1.8**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	5.30	0.10	41.20	0.70	0.10
Unplanned unavailable hours	0	0	28.20	4.80	1.80
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2184.00	2184.00
Train 2					
Planned unavailable hours	0	0	0	0	2.00
Unplanned unavailable hours	12.00	0	0	17.10	2.50
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2184.00	2184.00
Train 3					
Planned unavailable hours	20.50	26.80	6.70	16.80	1.80
Unplanned unavailable hours	33.40	0	0	3.40	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2184.00	2184.00
Train 4					
Planned unavailable hours	8.90	12.00	0.10	13.20	66.20
Unplanned unavailable hours	0	0	0	3.80	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2184.00	2184.00
Indicator value			**1.1%**	**1.1%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	2.97	13.22	11.50	1.50	7.95
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	1411.80	2208.00	2070.32	2184.00	2184.00
Indicator value			**1.6%**	**1.6%**	**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/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	0.50	0.50	7.80	15.38	49.05
Unplanned unavailable hours	37.00	0	1.75	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1401.80	2184.00	2070.32	2184.00	2184.00
Indicator value			**1.7%**	**1.3%**	**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/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	62.50	0	52.91	8.83	21.50
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2184.00	2184.00
Train 2					
Planned unavailable hours	0	0	18.13	13.08	0
Unplanned unavailable hours	0	0	25.03	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2184.00	2184.00
Indicator value			**0.6%**	**0.6%**	**0.7%**

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00
Maximum activity	0.000015	0.000014	0.000011	0.000010	0.000011	0.000012	0.000016	0.000010	0.000010	0.000011	0.000010	0.000013
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	1.620	1.600	1.620	1.620	1.600	1.630	1.700	1.660	1.660	1.660	1.680	1.700
Technical specification limit	25.0	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**	**6.4**	**6.5**	**6.5**	**6.4**	**6.5**	**6.8**	**6.6**	**6.6**	**6.6**	**6.7**	**6.8**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful opportunities	0	28.0	45.0	4.0	0
Total opportunities	0	29.0	47.0	4.0	0
Indicator value			**95.7%**	**95.8%**	**95.5%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Participating Key personnel			52.0	53.0	62.0
Total Key personnel			52.0	53.0	62.0
Indicator value			**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful siren-tests	740	893	782	893	891
Total sirens-tests	748	896	784	896	896
Indicator value	**99.5%**	**99.6%**	**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	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
High radiation area occurrences	0	0	0	1	0
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0
Indicator value	**1**	**0**	**0**	**1**	**1**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
IDS compensatory hours	1.70	17.20	6.80	0	8.40
CCTV compensatory hours	0	0	0	0	0
IDS normalization factor	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.5	1.7	1.7	1.7	1.7
Index Value	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**

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

Susquehanna 2

3Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned scrams	0	0	0	0	0
Critical hours	2208.0	2071.1	2184.0	2183.0	2041.5
Indicator value	**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/99	4Q/99	1Q/00	2Q/00	3Q/00
Scrams	0	0	0	0	0
Indicator value		**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	1.0	0	0	0
Critical hours	2208.0	2071.1	2184.0	2183.0	2041.5
Indicator value	**3.7**	**3.8**	**1.8**	**0.8**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	0.10	41.20	0.70	0.10	2.00
Unplanned unavailable hours	0	28.20	4.80	1.80	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2208.00	2184.00	2184.00	2208.00
Train 2					
Planned unavailable hours	0	0	0	2.00	0
Unplanned unavailable hours	0	0	17.10	2.50	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2208.00	2184.00	2184.00	2208.00
Train 3					
Planned unavailable hours	26.80	6.70	16.80	1.80	0
Unplanned unavailable hours	0	0	3.40	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2208.00	2184.00	2184.00	2208.00
Train 4					
Planned unavailable hours	12.00	0.10	13.20	66.20	71.50
Unplanned unavailable hours	0	0	3.80	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2208.00	2184.00	2184.00	2208.00
Indicator value		**1.1%**	**1.1%**	**1.0%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	13.22	11.50	1.50	7.95	72.45
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	2070.32	2184.00	2184.00	2042.00
Indicator value		**1.6%**	**1.6%**	**1.2%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	0.50	7.80	15.38	49.05	6.87
Unplanned unavailable hours	0	1.75	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2184.00	2070.32	2184.00	2184.00	2042.00
Indicator value		**1.7%**	**1.3%**	**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/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	0	52.91	8.83	21.50	11.58
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	2208.00	2184.00	2184.00	2208.00
Train 2					
Planned unavailable hours	0	18.13	13.08	0	21.15
Unplanned unavailable hours	0	25.03	0	0	17.48
Fault exposure hours	0	0	0	0	104.80
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2208.00	2184.00	2184.00	2208.00
Indicator value		**0.6%**	**0.6%**	**0.7%**	**0.9%**

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000010	0.000011	0.000012	0.000016	0.000010	0.000010	0.000011	0.000010	0.000013	0.000012	0.000011	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**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	1.620	1.600	1.630	1.700	1.660	1.660	1.660	1.680	1.700	1.710	1.710	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	**6.5**	**6.4**	**6.5**	**6.8**	**6.6**	**6.6**	**6.6**	**6.7**	**6.8**	**6.8**	**6.8**	**6.6**

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	28.0	45.0	4.0	0	53.0
Total opportunities	29.0	47.0	4.0	0	56.0
Indicator value		**95.7%**	**95.8%**	**95.5%**	**95.1%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Participating Key personnel		52.0	53.0	62.0	59.0
Total Key personnel		52.0	53.0	62.0	59.0
Indicator value		**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful siren-tests	893	782	893	891	858
Total sirens-tests	896	784	896	896	862
Indicator value	**99.6%**	**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	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
High radiation area occurrences	0	0	1	0	0
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0
Indicator value	**0**	**0**	**1**	**1**	**1**

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	17.20	6.80	0	8.40	25.70
CCTV compensatory hours	0	0	0	0	0
IDS normalization factor	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.7	1.7	1.7	1.7	1.7
Index Value	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**

Licensee Comments:

3Q/00: All previously submitted data was developed based upon IDS and CCTV normalization factors which were reversed. This revision produces an insignificant change in the PI values and does not affect the PI color.

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: March 29, 2002

Susquehanna 2

4Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned scrams	0	0	0	0	0
Critical hours	2071.1	2184.0	2183.0	2041.5	2209.0
Indicator value	**0.9**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/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	1.0	0	0	0	0
Critical hours	2071.1	2184.0	2183.0	2041.5	2209.0
Indicator value	**3.8**	**1.8**	**0.8**	**0.8**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	41.20	0.70	0.10	2.00	0
Unplanned unavailable hours	28.20	4.80	1.80	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00
Train 2					
Planned unavailable hours	0	0	2.00	0	1.90
Unplanned unavailable hours	0	17.10	2.50	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00
Train 3					
Planned unavailable hours	6.70	16.80	1.80	0	8.30
Unplanned unavailable hours	0	3.40	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00
Train 4					
Planned unavailable hours	0.10	13.20	66.20	71.50	2.70
Unplanned unavailable hours	0	3.80	0	0	7.60
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00
Indicator value	**1.1%**	**1.1%**	**1.0%**	**0.9%**	**0.8%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	11.50	1.50	7.95	72.45	14.80
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2070.32	2184.00	2184.00	2042.00	2208.00
Indicator value	**1.6%**	**1.6%**	**1.2%**	**1.0%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	7.80	15.38	49.05	6.87	9.62
Unplanned unavailable hours	1.75	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2070.32	2184.00	2184.00	2042.00	2208.00
Indicator value	**1.7%**	**1.3%**	**1.4%**	**1.4%**	**1.3%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	52.91	8.83	21.50	11.58	1.23
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	2184.00	2184.00	2208.00	2208.00
Train 2					
Planned unavailable hours	18.13	13.08	0	21.15	12.57
Unplanned unavailable hours	25.03	0	0	17.48	13.25
Fault exposure hours	0	0	0	104.80	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00
Indicator value	**0.6%**	**0.6%**	**0.7%**	**0.9%**	**1.0%**

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.000016	0.000010	0.000010	0.000011	0.000010	0.000013	0.000012	0.000011	0.000010	0.000009	0.000011	0.000012
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	1.700	1.660	1.660	1.660	1.680	1.700	1.710	1.710	1.660	1.640	1.640	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	**6.8**	**6.6**	**6.6**	**6.6**	**6.7**	**6.8**	**6.8**	**6.8**	**6.6**	**6.6**	**6.6**	**6.5**

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	45.0	4.0	0	53.0	55.0
Total opportunities	47.0	4.0	0	56.0	58.0
Indicator value	**95.7%**	**95.8%**	**95.5%**	**95.1%**	**95.4%**

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	52.0	53.0	62.0	59.0	63.0
Total Key personnel	52.0	53.0	62.0	59.0	63.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful siren-tests	782	893	891	858	780
Total sirens-tests	784	896	896	862	784
Indicator value	**99.6%**	**99.5%**	**99.6%**	**99.6%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
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	6.80	0	8.40	25.70	17.00
CCTV compensatory hours	0	0	0	0	0
IDS normalization factor	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.7	1.7	1.7	1.7	1.7
Index Value	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**

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

Susquehanna 2

1Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned scrams	0	0	0	0	0	0
Critical hours	2071.1	2184.0	2183.0	2041.5	2209.0	1636.2
Indicator value	**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/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	1.0	0	0	0	0	0
Critical hours	2071.1	2184.0	2183.0	2041.5	2209.0	1636.2
Indicator value	**3.8**	**1.8**	**0.8**	**0.8**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	41.20	0.70	0.10	2.00	0	20.90
Unplanned unavailable hours	28.20	4.80	1.80	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00
Train 2						
Planned unavailable hours	0	0	2.00	0	1.90	33.30
Unplanned unavailable hours	0	17.10	2.50	0	0	13.80
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00
Train 3						
Planned unavailable hours	6.70	16.80	1.80	0	8.30	0
Unplanned unavailable hours	0	3.40	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00
Train 4						
Planned unavailable hours	0.10	13.20	66.20	71.50	2.70	0
Unplanned unavailable hours	0	3.80	0	0	7.60	1.20
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00
Indicator value	**1.1%**	**1.1%**	**1.0%**	**0.9%**	**0.8%**	**0.8%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	11.50	1.50	7.95	72.45	14.80	0
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2070.32	2184.00	2184.00	2042.00	2208.00	1644.93
Indicator value	**1.6%**	**1.6%**	**1.2%**	**1.0%**	**1.0%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	7.80	15.38	49.05	6.87	9.62	273.94
Unplanned unavailable hours	1.75	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	2070.32	2184.00	2184.00	2042.00	2208.00	1644.93
Indicator value	**1.7%**	**1.3%**	**1.4%**	**1.4%**	**1.3%**	**2.3%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	52.91	8.83	21.50	11.58	1.23	10.83
Unplanned unavailable hours	0	0	0	0	0	0.78
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00
Train 2						
Planned unavailable hours	18.13	13.08	0	21.15	12.57	0
Unplanned unavailable hours	25.03	0	0	17.48	13.25	0.78
Fault exposure hours	0	0	0	104.80	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00
Indicator value	**0.6%**	**0.6%**	**0.7%**	**0.9%**	**1.0%**	**1.0%**

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.000010	0.000011	0.000012	0.000016	0.000010	0.000010	0.000011	0.000010	0.000013	0.000012	0.000011	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000009	0.000011	0.000012	0.000010	0.000011	0.000011
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	1.620	1.600	1.630	1.700	1.660	1.660	1.660	1.680	1.700	1.710	1.710	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	**6.5**	**6.4**	**6.5**	**6.8**	**6.6**	**6.6**	**6.6**	**6.7**	**6.8**	**6.8**	**6.8**	**6.6**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	1.640	1.640	1.620	1.620	1.590	1.590
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**6.6**	**6.5**	**6.5**	**6.4**	**6.4**

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
Successful opportunities	45.0	4.0	0	53.0	55.0	0
Total opportunities	47.0	4.0	0	56.0	58.0	0
Indicator value	**95.7%**	**95.8%**	**95.5%**	**95.1%**	**95.4%**	**95.4%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Participating Key personnel	52.0	53.0	62.0	59.0	63.0	78.0
Total Key personnel	52.0	53.0	62.0	59.0	63.0	78.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful siren-tests	782	893	891	858	780	892
Total sirens-tests	784	896	896	862	784	896
Indicator value	**99.6%**	**99.5%**	**99.6%**	**99.6%**	**99.5%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
High radiation area occurrences	0	1	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**	**1**	**1**	**1**	**1**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
IDS compensatory hours	6.80	0	8.40	25.70	17.00	17.50
CCTV compensatory hours	0	0	0	0	0	0
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.7	1.7	1.7	1.7	1.7	1.7
Index Value	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.002**

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

Susquehanna 2

2Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned scrams	0	0	0	0	0	0	0
Critical hours	2071.1	2184.0	2183.0	2041.5	2209.0	1636.2	1687.2
Indicator value	**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	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

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	1.0	0	0	0	0	0	0
Critical hours	2071.1	2184.0	2183.0	2041.5	2209.0	1636.2	1687.2
Indicator value	**3.8**	**1.8**	**0.8**	**0.8**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	41.20	0.70	0.10	2.00	0	20.90	0.10
Unplanned unavailable hours	28.20	4.80	1.80	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	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00
Train 2							
Planned unavailable hours	0	0	2.00	0	1.90	33.30	2.60
Unplanned unavailable hours	0	17.10	2.50	0	0	13.80	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00
Train 3							
Planned unavailable hours	6.70	16.80	1.80	0	8.30	0	0.20
Unplanned unavailable hours	0	3.40	0	0	0	0	4.90
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00
Train 4							
Planned unavailable hours	0.10	13.20	66.20	71.50	2.70	0	27.30
Unplanned unavailable hours	0	3.80	0	0	7.60	1.20	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00
Indicator value	**1.1%**	**1.1%**	**1.0%**	**0.9%**	**0.8%**	**0.8%**	**0.7%**

Licensee Comments:

2Q/01: Hours required for the Train 2 EDG in the first quarter 1999 were revised from 2184 to 2160 to correct a data entry error. This revision does not affect the PI color.

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	11.50	1.50	7.95	72.45	14.80	0	4.23
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	2070.32	2184.00	2184.00	2042.00	2208.00	1644.93	1678.17
Indicator value	**1.6%**	**1.6%**	**1.2%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	7.80	15.38	49.05	6.87	9.62	273.94	0.93
Unplanned unavailable hours	1.75	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	2070.32	2184.00	2184.00	2042.00	2208.00	1644.93	1678.17
Indicator value	**1.7%**	**1.3%**	**1.4%**	**1.4%**	**1.3%**	**2.3%**	**2.3%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	52.91	8.83	21.50	11.58	1.23	10.83	10.25
Unplanned unavailable hours	0	0	0	0	0	0.78	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00
Train 2							
Planned unavailable hours	18.13	13.08	0	21.15	12.57	0	22.48
Unplanned unavailable hours	25.03	0	0	17.48	13.25	0.78	0.70
Fault exposure hours	0	0	0	104.80	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00
Indicator value	**0.6%**	**0.6%**	**0.7%**	**0.9%**	**1.0%**	**1.0%**	**1.1%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000010	0.000011	0.000012	0.000016	0.000010	0.000010	0.000011	0.000010	0.000013	0.000012	0.000011	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0.000009	0.000011	0.000012	0.000010	0.000011	0.000011	N/A	0.000005	0.000005
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**	**N/A**	**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	1.620	1.600	1.630	1.700	1.660	1.660	1.660	1.680	1.700	1.710	1.710	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	**6.5**	**6.4**	**6.5**	**6.8**	**6.6**	**6.6**	**6.6**	**6.7**	**6.8**	**6.8**	**6.8**	**6.6**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	1.640	1.640	1.620	1.620	1.590	1.590	1.580	1.610	1.600
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**6.6**	**6.5**	**6.5**	**6.4**	**6.4**	**6.3**	**6.4**	**6.4**

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	45.0	4.0	0	53.0	55.0	0	13.0
Total opportunities	47.0	4.0	0	56.0	58.0	0	14.0
Indicator value	**95.7%**	**95.8%**	**95.5%**	**95.1%**	**95.4%**	**95.4%**	**95.2%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Participating Key personnel	52.0	53.0	62.0	59.0	63.0	78.0	98.0
Total Key personnel	52.0	53.0	62.0	59.0	63.0	78.0	98.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful siren-tests	782	893	891	858	780	892	777
Total sirens-tests	784	896	896	862	784	896	784
Indicator value	**99.6%**	**99.5%**	**99.6%**	**99.6%**	**99.5%**	**99.5%**	**99.4%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
IDS compensatory hours	6.80	0	8.40	25.70	17.00	17.50	4.00
CCTV compensatory hours	0	0	0	0	0	0	0
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Index Value	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.002**	**0.002**

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

Susquehanna 2

3Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2071.1	2184.0	2183.0	2041.5	2209.0	1636.2	1687.2	2208.0
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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	2071.1	2184.0	2183.0	2041.5	2209.0	1636.2	1687.2	2208.0
Indicator value	**3.8**	**1.8**	**0.8**	**0.8**	**0**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	41.20	0.70	0.10	2.00	0	20.90	0.10	0
Unplanned unavailable hours	28.20	4.80	1.80	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Train 2								
Planned unavailable hours	0	0	2.00	0	1.90	33.30	2.60	0
Unplanned unavailable hours	0	17.10	2.50	0	0	13.80	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Train 3								
Planned unavailable hours	6.70	16.80	1.80	0	8.30	0	0.20	79.70
Unplanned unavailable hours	0	3.40	0	0	0	0	4.90	0
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	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Train 4								
Planned unavailable hours	0.10	13.20	66.20	71.50	2.70	0	27.30	1.60
Unplanned unavailable hours	0	3.80	0	0	7.60	1.20	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Indicator value	**1.1%**	**1.1%**	**1.0%**	**0.9%**	**0.8%**	**0.8%**	**0.7%**	**0.7%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	11.50	1.50	7.95	72.45	14.80	0	4.23	1.67
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2070.32	2184.00	2184.00	2042.00	2208.00	1644.93	1678.17	2208.00
Indicator value	**1.6%**	**1.6%**	**1.2%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	7.80	15.38	49.05	6.87	9.62	273.94	0.93	0.50
Unplanned unavailable hours	1.75	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	2070.32	2184.00	2184.00	2042.00	2208.00	1644.93	1678.17	2208.00
Indicator value	**1.7%**	**1.3%**	**1.4%**	**1.4%**	**1.3%**	**2.3%**	**2.3%**	**2.3%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	52.91	8.83	21.50	11.58	1.23	10.83	10.25	10.33
Unplanned unavailable hours	0	0	0	0	0	0.78	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	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Train 2								
Planned unavailable hours	18.13	13.08	0	21.15	12.57	0	22.48	4.33
Unplanned unavailable hours	25.03	0	0	17.48	13.25	0.78	0.70	0
Fault exposure hours	0	0	0	104.80	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Indicator value	**0.6%**	**0.6%**	**0.7%**	**0.9%**	**1.0%**	**1.0%**	**1.1%**	**1.0%**

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	3Q/01
Safety System Functional Failures	0	0	0	1	0	0	1	0
Indicator value	**0**	**0**	**0**	**1**	**1**	**1**	**2**	**1**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000010	0.000011	0.000012	0.000016	0.000010	0.000010	0.000011	0.000010	0.000013	0.000012	0.000011	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	0.000009	0.000011	0.000012	0.000010	0.000011	0.000011	N/A	0.000005	0.000005	0.000004	0.000004	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	1.620	1.600	1.630	1.700	1.660	1.660	1.660	1.680	1.700	1.710	1.710	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	**6.5**	**6.4**	**6.5**	**6.8**	**6.6**	**6.6**	**6.6**	**6.7**	**6.8**	**6.8**	**6.8**	**6.6**

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	1.640	1.640	1.620	1.620	1.590	1.590	1.580	1.610	1.600	1.600	1.640	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	**6.6**	**6.6**	**6.5**	**6.5**	**6.4**	**6.4**	**6.3**	**6.4**	**6.4**	**6.4**	**6.6**	**6.6**

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	45.0	4.0	0	53.0	55.0	0	13.0	46.0
Total opportunities	47.0	4.0	0	56.0	58.0	0	14.0	49.0
Indicator value	**95.7%**	**95.8%**	**95.5%**	**95.1%**	**95.4%**	**95.4%**	**95.2%**	**94.7%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Participating Key personnel	52.0	53.0	62.0	59.0	63.0	78.0	98.0	101.0
Total Key personnel	52.0	53.0	62.0	59.0	63.0	78.0	98.0	101.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful siren-tests	782	893	891	858	780	892	777	775
Total sirens-tests	784	896	896	862	784	896	784	784
Indicator value	**99.6%**	**99.5%**	**99.6%**	**99.6%**	**99.5%**	**99.5%**	**99.4%**	**99.3%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
IDS compensatory hours	6.80	0	8.40	25.70	17.00	17.50	4.00	87.20
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Index Value	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.002**	**0.002**	**0.003**

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

Susquehanna 2

4Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2183.0	2041.5	2209.0	1636.2	1687.2	2208.0	2209.0
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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	0	0	0	0	0
Critical hours	2184.0	2183.0	2041.5	2209.0	1636.2	1687.2	2208.0	2209.0
Indicator value	**1.8**	**0.8**	**0.8**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	0.70	0.10	2.00	0	20.90	0.10	0	23.10
Unplanned unavailable hours	4.80	1.80	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00
Train 2								
Planned unavailable hours	0	2.00	0	1.90	33.30	2.60	0	16.40
Unplanned unavailable hours	17.10	2.50	0	0	13.80	0	0	4.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00
Train 3								
Planned unavailable hours	16.80	1.80	0	8.30	0	0.20	79.70	0
Unplanned unavailable hours	3.40	0	0	0	0	4.90	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00
Train 4								
Planned unavailable hours	13.20	66.20	71.50	2.70	0	27.30	1.60	0
Unplanned unavailable hours	3.80	0	0	7.60	1.20	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00
Indicator value	**1.1%**	**1.0%**	**0.9%**	**0.8%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	1.50	7.95	72.45	14.80	0	4.23	1.67	1.52
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	2184.00	2042.00	2208.00	1644.93	1678.17	2208.00	2208.00
Indicator value	**1.6%**	**1.2%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**0.9%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	15.38	49.05	6.87	9.62	273.94	0.93	0.50	7.67
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2184.00	2042.00	2208.00	1644.93	1678.17	2208.00	2208.00
Indicator value	**1.3%**	**1.4%**	**1.4%**	**1.3%**	**2.3%**	**2.3%**	**2.3%**	**2.0%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	8.83	21.50	11.58	1.23	10.83	10.25	10.33	9.07
Unplanned unavailable hours	0	0	0	0	0.78	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	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2209.00
Train 2								
Planned unavailable hours	13.08	0	21.15	12.57	0	22.48	4.33	12.30
Unplanned unavailable hours	0	0	17.48	13.25	0.78	0.70	0	0
Fault exposure hours	0	0	104.80	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2209.00
Indicator value	**0.6%**	**0.7%**	**0.9%**	**1.0%**	**1.0%**	**1.1%**	**1.0%**	**1.0%**

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.000016	0.000010	0.000010	0.000011	0.000010	0.000013	0.000012	0.000011	0.000010	0.000009	0.000011	0.000012
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	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	0.000010	0.000011	0.000011	N/A	0.000005	0.000005	0.000004	0.000004	0.000006	0.000007	0.000006	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	1.700	1.660	1.660	1.660	1.680	1.700	1.710	1.710	1.660	1.640	1.640	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	**6.8**	**6.6**	**6.6**	**6.6**	**6.7**	**6.8**	**6.8**	**6.8**	**6.6**	**6.6**	**6.6**	**6.5**

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	1.620	1.590	1.590	1.580	1.610	1.600	1.600	1.640	1.640	1.610	1.620	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	**6.5**	**6.4**	**6.4**	**6.3**	**6.4**	**6.4**	**6.4**	**6.6**	**6.6**	**6.4**	**6.5**	**6.5**

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	4.0	0	53.0	55.0	0	13.0	46.0	59.0
Total opportunities	4.0	0	56.0	58.0	0	14.0	49.0	63.0
Indicator value	**95.8%**	**95.5%**	**95.1%**	**95.4%**	**95.4%**	**95.2%**	**94.7%**	**94.3%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	53.0	62.0	59.0	63.0	78.0	98.0	101.0	120.0
Total Key personnel	53.0	62.0	59.0	63.0	78.0	98.0	101.0	120.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful siren-tests	893	891	858	780	892	777	775	887
Total sirens-tests	896	896	862	784	896	784	784	896
Indicator value	**99.5%**	**99.6%**	**99.6%**	**99.5%**	**99.5%**	**99.4%**	**99.3%**	**99.1%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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	0	8.40	25.70	17.00	17.50	4.00	87.20	0
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Index Value	**0.001**	**0.001**	**0.001**	**0.001**	**0.002**	**0.002**	**0.003**	**0.003**

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

Last Modified: March 15, 2002

Susquehanna 2

1Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2041.5	2209.0	1636.2	1687.2	2208.0	2209.0	2160.0
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/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	0	0	0	0	0	0
Critical hours	2183.0	2041.5	2209.0	1636.2	1687.2	2208.0	2209.0	2160.0
Indicator value	**0.8**	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	0.10	2.00	0	20.90	0.10	0	23.10	1.00
Unplanned unavailable hours	1.80	0	0	0	0	0	0	2.00
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00
Train 2								
Planned unavailable hours	2.00	0	1.90	33.30	2.60	0	16.40	0.70
Unplanned unavailable hours	2.50	0	0	13.80	0	0	4.40	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	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00
Train 3								
Planned unavailable hours	1.80	0	8.30	0	0.20	79.70	0	1.10
Unplanned unavailable hours	0	0	0	0	4.90	0	0	2.00
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00
Train 4								
Planned unavailable hours	66.20	71.50	2.70	0	27.30	1.60	0	1.00
Unplanned unavailable hours	0	0	7.60	1.20	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00
Indicator value	**1.0%**	**0.9%**	**0.8%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.6%**

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/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	7.95	72.45	14.80	0	4.23	1.67	1.52	66.32
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	2184.00	2042.00	2208.00	1644.93	1678.17	2208.00	2208.00	2160.00
Indicator value	**1.2%**	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**0.9%**	**0.6%**	**0.8%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	49.05	6.87	9.62	273.94	0.93	0.50	7.67	6.50
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2042.00	2208.00	1644.93	1678.17	2208.00	2208.00	2160.00
Indicator value	**1.4%**	**1.4%**	**1.3%**	**2.3%**	**2.3%**	**2.3%**	**2.0%**	**1.7%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	21.50	11.58	1.23	10.83	10.25	10.33	9.07	0
Unplanned unavailable hours	0	0	0	0.78	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	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0	21.15	12.57	0	22.48	4.33	12.30	0
Unplanned unavailable hours	0	17.48	13.25	0.78	0.70	0	0	0
Fault exposure hours	0	104.80	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2209.00	2160.00
Indicator value	**0.7%**	**0.9%**	**1.0%**	**1.0%**	**1.1%**	**1.0%**	**1.0%**	**0.9%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Safety System Functional Failures	0	1	0	0	1	0	0	0
Indicator value	**0**	**1**	**1**	**1**	**2**	**1**	**1**	**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	0.000011	0.000010	0.000013	0.000012	0.000011	0.000010	0.000009	0.000011	0.000012	0.000010	0.000011	0.000011
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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	N/A	0.000005	0.000005	0.000004	0.000004	0.000006	0.000007	0.000006	0.000004	0.000006	0.000007	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	1.660	1.680	1.700	1.710	1.710	1.660	1.640	1.640	1.620	1.620	1.590	1.590
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	**6.6**	**6.7**	**6.8**	**6.8**	**6.8**	**6.6**	**6.6**	**6.6**	**6.5**	**6.5**	**6.4**	**6.4**

Reactor Coolant System Leakage	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum leakage	1.580	1.610	1.600	1.600	1.640	1.640	1.610	1.620	1.620	1.610	1.610	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	**6.3**	**6.4**	**6.4**	**6.4**	**6.6**	**6.6**	**6.4**	**6.5**	**6.5**	**6.4**	**6.4**	**6.5**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful opportunities	0	53.0	55.0	0	13.0	46.0	59.0	0
Total opportunities	0	56.0	58.0	0	14.0	49.0	63.0	0
Indicator value	**95.5%**	**95.1%**	**95.4%**	**95.4%**	**95.2%**	**94.7%**	**94.3%**	**94.2%**

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	62.0	59.0	63.0	78.0	98.0	101.0	120.0	121.0
Total Key personnel	62.0	59.0	63.0	78.0	98.0	101.0	120.0	121.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful siren-tests	891	858	780	892	777	775	887	782
Total sirens-tests	896	862	784	896	784	784	896	784
Indicator value	**99.6%**	**99.6%**	**99.5%**	**99.5%**	**99.4%**	**99.3%**	**99.1%**	**99.2%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/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	8.40	25.70	17.00	17.50	4.00	87.20	0	21.00
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Index Value	**0.001**	**0.001**	**0.001**	**0.002**	**0.002**	**0.003**	**0.003**	**0.003**

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

Susquehanna 2

2Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2041.5	2209.0	1636.2	1687.2	2208.0	2209.0	2160.0	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/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	0	0	0	0	0	0	0
Critical hours	2041.5	2209.0	1636.2	1687.2	2208.0	2209.0	2160.0	2183.0
Indicator value	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	2.00	0	20.90	0.10	0	23.10	1.00	0
Unplanned unavailable hours	0	0	0	0	0	0	2.00	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00
Train 2								
Planned unavailable hours	0	1.90	33.30	2.60	0	16.40	0.70	0.70
Unplanned unavailable hours	0	0	13.80	0	0	4.40	0	1.70
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00
Train 3								
Planned unavailable hours	0	8.30	0	0.20	79.70	0	1.10	0
Unplanned unavailable hours	0	0	0	4.90	0	0	2.00	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00
Train 4								
Planned unavailable hours	71.50	2.70	0	27.30	1.60	0	1.00	39.00
Unplanned unavailable hours	0	7.60	1.20	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00

Indicator value	**0.9%**	**0.8%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.6%**	**0.6%**

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/00**	**4Q/00**	**1Q/01**	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**
Train 1								
Planned unavailable hours	72.45	14.80	0	4.23	1.67	1.52	66.32	9.52
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	2042.00	2208.00	1644.93	1678.17	2208.00	2208.00	2160.00	2184.00
Indicator value	**1.0%**	**1.0%**	**1.0%**	**1.0%**	**0.9%**	**0.6%**	**0.8%**	**0.8%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	6.87	9.62	273.94	0.93	0.50	7.67	6.50	0.50
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	2042.00	2208.00	1644.93	1678.17	2208.00	2208.00	2160.00	2184.00
Indicator value	**1.4%**	**1.3%**	**2.3%**	**2.3%**	**2.3%**	**2.0%**	**1.7%**	**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	11.58	1.23	10.83	10.25	10.33	9.07	0	0
Unplanned unavailable hours	0	0	0.78	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2160.00	2184.00	2208.00	2209.00	2160.00	2184.00
Train 2								
Planned unavailable hours	21.15	12.57	0	22.48	4.33	12.30	0	3.73
Unplanned unavailable hours	17.48	13.25	0.78	0.70	0	0	0	0
Fault exposure hours	104.80	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2160.00	2184.00	2208.00	2209.00	2160.00	2184.00
Indicator value	**0.9%**	**1.0%**	**1.0%**	**1.1%**	**1.0%**	**1.0%**	**0.9%**	**0.8%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

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	0.000012	0.000011	0.000010	0.000009	0.000011	0.000012	0.000010	0.000011	0.000011	N/A	0.000005	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000004	0.000004	0.000006	0.000007	0.000006	0.000004	0.000006	0.000007	0.000006	0.000006	0.000005	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	1.710	1.710	1.660	1.640	1.640	1.620	1.620	1.590	1.590	1.580	1.610	1.600
Technical specification limit	25.0	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**	**6.6**	**6.6**	**6.5**	**6.5**	**6.4**	**6.4**	**6.3**	**6.4**	**6.4**

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	1.600	1.640	1.640	1.610	1.620	1.620	1.610	1.610	1.620	1.630	1.600	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	**6.4**	**6.6**	**6.6**	**6.4**	**6.5**	**6.5**	**6.4**	**6.4**	**6.5**	**6.5**	**6.4**	**6.6**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful opportunities	53.0	55.0	0	13.0	46.0	59.0	0	6.0
Total opportunities	56.0	58.0	0	14.0	49.0	63.0	0	10.0
Indicator value	**95.1%**	**95.4%**	**95.4%**	**95.2%**	**94.7%**	**94.3%**	**94.2%**	**92.8%**

Licensee Comments: none

ERO Drill Participation

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	59.0	63.0	78.0	98.0	101.0	120.0	121.0	120.0
Total Key personnel	59.0	63.0	78.0	98.0	101.0	120.0	121.0	120.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful siren-tests	858	780	892	777	775	887	782	889
Total sirens-tests	862	784	896	784	784	896	784	896
Indicator value	**99.6%**	**99.5%**	**99.5%**	**99.4%**	**99.3%**	**99.1%**	**99.2%**	**99.2%**

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

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

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	25.70	17.00	17.50	4.00	87.20	0	21.00	1.10
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Index Value	**0.001**	**0.001**	**0.002**	**0.002**	**0.003**	**0.003**	**0.003**	**0.003**

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

FFD/Personnel Reliability

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

Susquehanna 2

3Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2209.0	1636.2	1687.2	2208.0	2209.0	2160.0	2183.0	2206.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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	0	0	0	0	0	0	0	1.0
Critical hours	2209.0	1636.2	1687.2	2208.0	2209.0	2160.0	2183.0	2206.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	0	20.90	0.10	0	23.10	1.00	0	1.90
Unplanned unavailable hours	0	0	0	0	0	2.00	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Train 2								
Planned unavailable hours	1.90	33.30	2.60	0	16.40	0.70	0.70	0
Unplanned unavailable hours	0	13.80	0	0	4.40	0	1.70	2.30
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Train 3								
Planned unavailable hours	8.30	0	0.20	79.70	0	1.10	0	0
Unplanned unavailable hours	0	0	4.90	0	0	2.00	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Train 4								
Planned unavailable hours	2.70	0	27.30	1.60	0	1.00	39.00	0
Unplanned unavailable hours	7.60	1.20	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Indicator value	**0.8%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.6%**

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/00**	**1Q/01**	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**
Train 1								
Planned unavailable hours	14.80	0	4.23	1.67	1.52	66.32	9.52	40.03
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	2208.00	1644.93	1678.17	2208.00	2208.00	2160.00	2184.00	2208.00
Indicator value	**1.0%**	**1.0%**	**1.0%**	**0.9%**	**0.6%**	**0.8%**	**0.8%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	9.62	273.94	0.93	0.50	7.67	6.50	0.50	0.50
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	2208.00	1644.93	1678.17	2208.00	2208.00	2160.00	2184.00	2208.00
Indicator value	**1.3%**	**2.3%**	**2.3%**	**2.3%**	**2.0%**	**1.7%**	**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	1.23	10.83	10.25	10.33	9.07	0	0	12.60
Unplanned unavailable hours	0	0.78	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	2160.00	2184.00	2208.00	2209.00	2160.00	2184.00	2208.00
Train 2								
Planned unavailable hours	12.57	0	22.48	4.33	12.30	0	3.73	28.27
Unplanned unavailable hours	13.25	0.78	0.70	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	2160.00	2184.00	2208.00	2209.00	2160.00	2184.00	2208.00
Indicator value	**1.0%**	**1.0%**	**1.1%**	**1.0%**	**1.0%**	**0.9%**	**0.8%**	**0.9%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity	0.000009	0.000011	0.000012	0.000010	0.000011	0.000011	N/A	0.000005	0.000005	0.000004	0.000004	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000007	0.000006	0.000004	0.000006	0.000007	0.000006	0.000006	0.000005	0.000004	0.000007	0.000004	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	1.640	1.640	1.620	1.620	1.590	1.590	1.580	1.610	1.600	1.600	1.640	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	**6.6**	**6.6**	**6.5**	**6.5**	**6.4**	**6.4**	**6.3**	**6.4**	**6.4**	**6.4**	**6.6**	**6.6**

Reactor Coolant System Leakage	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum leakage	1.610	1.620	1.620	1.610	1.610	1.620	1.630	1.600	1.650	1.620	1.600	1.600
Technical specification limit	25.0	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**	**6.4**	**6.4**	**6.5**	**6.5**	**6.4**	**6.6**	**6.5**	**6.4**	**6.4**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful opportunities	55.0	0	13.0	46.0	59.0	0	6.0	10.0
Total opportunities	58.0	0	14.0	49.0	63.0	0	10.0	10.0
Indicator value	**95.4%**	**95.4%**	**95.2%**	**94.7%**	**94.3%**	**94.2%**	**92.8%**	**92.6%**

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	63.0	78.0	98.0	101.0	120.0	121.0	120.0	116.0
Total Key personnel	63.0	78.0	98.0	101.0	120.0	121.0	120.0	116.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful siren-tests	780	892	777	775	887	782	889	780
Total sirens-tests	784	896	784	784	896	784	896	784
Indicator value	**99.5%**	**99.5%**	**99.4%**	**99.3%**	**99.1%**	**99.2%**	**99.2%**	**99.3%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/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	17.00	17.50	4.00	87.20	0	21.00	1.10	16.70
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Index Value	**0.001**	**0.002**	**0.002**	**0.003**	**0.003**	**0.003**	**0.003**	**0.001**

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

Susquehanna 2

4Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned scrams	0	0	0	0	0	0	1.0	1.0
Critical hours	1636.2	1687.2	2208.0	2209.0	2160.0	2183.0	2206.2	1943.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.8**	**1.6**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

Unplanned Power Changes per 7000 Critical Hrs

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	0	0	1.0	0
Critical hours	1636.2	1687.2	2208.0	2209.0	2160.0	2183.0	2206.2	1943.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.8**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	20.90	0.10	0	23.10	1.00	0	1.90	0
Unplanned unavailable hours	0	0	0	0	2.00	0	0	9.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00
Train 2								
Planned unavailable hours	33.30	2.60	0	16.40	0.70	0.70	0	7.60
Unplanned unavailable hours	13.80	0	0	4.40	0	1.70	2.30	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	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00
Train 3								
Planned unavailable hours	0	0.20	79.70	0	1.10	0	0	0
Unplanned unavailable hours	0	4.90	0	0	2.00	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00
Train 4								
Planned unavailable hours	0	27.30	1.60	0	1.00	39.00	0	0
Unplanned unavailable hours	1.20	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00
Indicator value	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.6%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	0	4.23	1.67	1.52	66.32	9.52	40.03	3.22
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1644.93	1678.17	2208.00	2208.00	2160.00	2184.00	2208.00	1980.00
Indicator value	**1.0%**	**1.0%**	**0.9%**	**0.6%**	**0.8%**	**0.8%**	**0.9%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	273.94	0.93	0.50	7.67	6.50	0.50	0.50	128.66
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1644.93	1678.17	2208.00	2208.00	2160.00	2184.00	2208.00	1980.10
Indicator value	**2.3%**	**2.3%**	**2.3%**	**2.0%**	**1.7%**	**1.5%**	**1.5%**	**2.0%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	10.83	10.25	10.33	9.07	0	0	12.60	0
Unplanned unavailable hours	0.78	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	2184.00	2208.00	2209.00	2160.00	2184.00	2208.00	2208.00
Train 2								
Planned unavailable hours	0	22.48	4.33	12.30	0	3.73	28.27	0
Unplanned unavailable hours	0.78	0.70	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	2184.00	2208.00	2209.00	2160.00	2184.00	2208.00	2208.00
Indicator value	**1.0%**	**1.1%**	**1.0%**	**1.0%**	**0.9%**	**0.8%**	**0.9%**	**0.7%**

Licensee Comments: none

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

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	0.000010	0.000011	0.000011	N/A	0.000005	0.000005	0.000004	0.000004	0.000006	0.000007	0.000006	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum activity	0.000006	0.000007	0.000006	0.000006	0.000005	0.000004	0.000007	0.000004	0.000004	0.000003	0.000004	0.000003
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1.620	1.590	1.590	1.580	1.610	1.600	1.600	1.640	1.640	1.610	1.620	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	**6.5**	**6.4**	**6.4**	**6.3**	**6.4**	**6.4**	**6.4**	**6.6**	**6.6**	**6.4**	**6.5**	**6.5**

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	1.610	1.610	1.620	1.630	1.600	1.650	1.620	1.600	1.600	1.600	1.620	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	**6.4**	**6.4**	**6.5**	**6.5**	**6.4**	**6.6**	**6.5**	**6.4**	**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	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful opportunities	0	13.0	46.0	59.0	0	6.0	10.0	10.0
Total opportunities	0	14.0	49.0	63.0	0	10.0	10.0	10.0
Indicator value	**95.4%**	**95.2%**	**94.7%**	**94.3%**	**94.2%**	**92.8%**	**92.6%**	**92.3%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Participating Key personnel	78.0	98.0	101.0	120.0	121.0	120.0	116.0	112.0
Total Key personnel	78.0	98.0	101.0	120.0	121.0	120.0	116.0	112.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful siren-tests	892	777	775	887	782	889	780	889
Total sirens-tests	896	784	784	896	784	896	784	896
Indicator value	**99.5%**	**99.4%**	**99.3%**	**99.1%**	**99.2%**	**99.2%**	**99.3%**	**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	1	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/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	17.50	4.00	87.20	0	21.00	1.10	16.70	62.50
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Index Value	**0.002**	**0.002**	**0.003**	**0.003**	**0.003**	**0.003**	**0.001**	**0.003**

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

Susquehanna 2

1Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Unplanned scrams	0	0	0	0	0	1.0	1.0	0
Critical hours	1687.2	2208.0	2209.0	2160.0	2183.0	2206.2	1943.2	1584.6
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.8**	**1.6**	**1.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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	0	0	1.0	0	0
Critical hours	1687.2	2208.0	2209.0	2160.0	2183.0	2206.2	1943.2	1584.6
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.8**	**0.8**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	0.10	0	23.10	1.00	0	1.90	0	0
Unplanned unavailable hours	0	0	0	2.00	0	0	9.10	1.70
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00
Train 2								
Planned unavailable hours	2.60	0	16.40	0.70	0.70	0	7.60	83.50
Unplanned unavailable hours	0	0	4.40	0	1.70	2.30	0	0.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00
Train 3								
Planned unavailable hours	0.20	79.70	0	1.10	0	0	0	0
Unplanned unavailable hours	4.90	0	0	2.00	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00
Train 4								
Planned unavailable hours	27.30	1.60	0	1.00	39.00	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00

Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.6%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**
Train 1								
Planned unavailable hours	4.23	1.67	1.52	66.32	9.52	40.03	3.22	76.77
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1678.17	2208.00	2208.00	2160.00	2184.00	2208.00	1980.00	1586.60
Indicator value	**1.0%**	**0.9%**	**0.6%**	**0.8%**	**0.8%**	**0.9%**	**0.9%**	**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/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	0.93	0.50	7.67	6.50	0.50	0.50	128.66	12.18
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	1678.17	2208.00	2208.00	2160.00	2184.00	2208.00	1980.10	1586.60
Indicator value	**2.3%**	**2.3%**	**2.0%**	**1.7%**	**1.5%**	**1.5%**	**2.0%**	**2.0%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	10.25	10.33	9.07	0	0	12.60	0	21.58
Unplanned unavailable hours	0	0	0	0	0	0	0	19.53
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	2208.00	2209.00	2160.00	2184.00	2208.00	2208.00	2160.00
Train 2								
Planned unavailable hours	22.48	4.33	12.30	0	3.73	28.27	0	0
Unplanned unavailable hours	0.70	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	2208.00	2209.00	2160.00	2184.00	2208.00	2208.00	2160.00
Indicator value	**1.1%**	**1.0%**	**1.0%**	**0.9%**	**0.8%**	**0.9%**	**0.7%**	**0.7%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

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	N/A	0.000005	0.000005	0.000004	0.000004	0.000006	0.000007	0.000006	0.000004	0.000006	0.000007	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum activity	0.000006	0.000005	0.000004	0.000007	0.000004	0.000004	0.000003	0.000004	0.000003	0.000005	0.000005	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum leakage	1.580	1.610	1.600	1.600	1.640	1.640	1.610	1.620	1.620	1.610	1.610	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	**6.3**	**6.4**	**6.4**	**6.4**	**6.6**	**6.6**	**6.4**	**6.5**	**6.5**	**6.4**	**6.4**	**6.5**

Reactor Coolant System Leakage	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum leakage	1.630	1.600	1.650	1.620	1.600	1.600	1.600	1.620	1.620	1.590	1.650	1.600
Technical specification limit	25.0	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**	**6.4**	**6.6**	**6.5**	**6.4**	**6.4**	**6.4**	**6.5**	**6.5**	**6.4**	**6.6**	**6.4**

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	13.0	46.0	59.0	0	6.0	10.0	10.0	34.0
Total opportunities	14.0	49.0	63.0	0	10.0	10.0	10.0	35.0
Indicator value	**95.2%**	**94.7%**	**94.3%**	**94.2%**	**92.8%**	**92.6%**	**92.3%**	**93.2%**

Licensee Comments: none

ERO Drill Participation

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	98.0	101.0	120.0	121.0	120.0	116.0	112.0	118.0
Total Key personnel	98.0	101.0	120.0	121.0	120.0	116.0	112.0	118.0
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/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful siren-tests	777	775	887	782	889	780	889	781
Total sirens-tests	784	784	896	784	896	784	896	784
Indicator value	**99.4%**	**99.3%**	**99.1%**	**99.2%**	**99.2%**	**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	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
High radiation area occurrences	0	0	0	1	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**0**

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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	4.00	87.20	0	21.00	1.10	16.70	62.50	19.10
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Index Value	**0.002**	**0.003**	**0.003**	**0.003**	**0.003**	**0.001**	**0.003**	**0.002**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: April 22, 2003

Susquehanna 2

2Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Unplanned scrams	0	0	0	0	1.0	1.0	0	0
Critical hours	2208.0	2209.0	2160.0	2183.0	2206.2	1943.2	1584.6	1744.8
Indicator value	**0**	**0**	**0**	**0**	**0.8**	**1.6**	**1.8**	**1.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Scrams	0	0	0	0	0	0	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	0	0	1.0	0	0	0
Critical hours	2208.0	2209.0	2160.0	2183.0	2206.2	1943.2	1584.6	1744.8
Indicator value	**0**	**0**	**0**	**0**	**0.8**	**0.8**	**0.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	0	23.10	1.00	0	1.90	0	0	7.30
Unplanned unavailable hours	0	0	2.00	0	0	9.10	1.70	12.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00
Train 2								
Planned unavailable hours	0	16.40	0.70	0.70	0	7.60	83.50	0
Unplanned unavailable hours	0	4.40	0	1.70	2.30	0	0.40	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00
Train 3								
Planned unavailable hours	79.70	0	1.10	0	0	0	0	0.90
Unplanned unavailable hours	0	0	2.00	0	0	0	0	25.00
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00
Train 4								
Planned unavailable hours	1.60	0	1.00	39.00	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00

Indicator value	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.6%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**
Train 1								
Planned unavailable hours	1.67	1.52	66.32	9.52	40.03	3.22	76.77	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	2208.00	2208.00	2160.00	2184.00	2208.00	1980.00	1586.60	1732.20
Indicator value	**0.9%**	**0.6%**	**0.8%**	**0.8%**	**0.9%**	**0.9%**	**1.2%**	**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)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	0.50	7.67	6.50	0.50	0.50	128.66	12.18	11.42
Unplanned unavailable hours	0	0	0	0	0	0	0	0.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2160.00	2184.00	2208.00	1980.10	1586.60	1732.20
Indicator value	**2.3%**	**2.0%**	**1.7%**	**1.5%**	**1.5%**	**2.0%**	**2.0%**	**1.9%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	10.33	9.07	0	0	12.60	0	21.58	0
Unplanned unavailable hours	0	0	0	0	0	0	19.53	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	2208.00	2209.00	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00
Train 2								
Planned unavailable hours	4.33	12.30	0	3.73	28.27	0	0	8.00
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00
Indicator value	**1.0%**	**1.0%**	**0.9%**	**0.8%**	**0.9%**	**0.7%**	**0.7%**	**0.7%**

Licensee Comments:

2Q/03: An existing design deficiency was identified during an NRC inspection of the Residual Heat Removal (RHR) system in May 2003. Specifically, the plant design did not allow for direct recovery of a division of RHR following a Loss of Offsite Power (LOOP) if the LOOP occurred while RHR was in Suppression Pool Cooling (SPC) mode. Details of the issue are included in NRC Inspection Report 50-387/03-006 & 50-388/03-006. In accordance with NEI 99-02 rev 2, page 33 (reporting of Equipment Unavailability due to Design Deficiencies that are not capable of being discovered during normal surveillance testing) fault exposure hours due to this discovery should be reported in the PI comment field. The fault exposure hours are not included (i.e. specifically excluded) from the performance indicator calculation. Therefore, the Susquehanna RHR fault exposure time for the last three years

to be reported is: Unit 1 - 576.83 hrs Unit 2 - 582.52 hrs

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum activity	0.000004	0.000004	0.000006	0.000007	0.000006	0.000004	0.000006	0.000007	0.000006	0.000006	0.000005	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	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	0.000007	0.000004	0.000004	0.000003	0.000004	0.000003	0.000005	0.000005	0.000007	0.000002	0.000003	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum leakage	1.600	1.640	1.640	1.610	1.620	1.620	1.610	1.610	1.620	1.630	1.600	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	**6.4**	**6.6**	**6.6**	**6.4**	**6.5**	**6.5**	**6.4**	**6.4**	**6.5**	**6.5**	**6.4**	**6.6**

Reactor Coolant System Leakage	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum leakage	1.620	1.600	1.600	1.600	1.620	1.620	1.590	1.650	1.600	1.590	1.630	1.590
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	**6.5**	**6.4**	**6.4**	**6.4**	**6.5**	**6.5**	**6.4**	**6.6**	**6.4**	**6.4**	**6.5**	**6.4**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful opportunities	46.0	59.0	0	6.0	10.0	10.0	34.0	15.0
Total opportunities	49.0	63.0	0	10.0	10.0	10.0	35.0	16.0
Indicator value	**94.7%**	**94.3%**	**94.2%**	**92.8%**	**92.6%**	**92.3%**	**93.2%**	**93.3%**

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	101.0	120.0	121.0	120.0	116.0	112.0	118.0	71.0
Total Key personnel	101.0	120.0	121.0	120.0	116.0	112.0	118.0	71.0
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/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful siren-tests	775	887	782	889	780	889	781	990
Total sirens-tests	784	896	784	896	784	896	784	1008
Indicator value	**99.3%**	**99.1%**	**99.2%**	**99.2%**	**99.3%**	**99.4%**	**99.4%**	**99.1%**

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

Licensee Comments: none

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	87.20	0	21.00	1.10	16.70	62.50	19.10	0
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Index Value	**0.003**	**0.003**	**0.003**	**0.003**	**0.001**	**0.003**	**0.002**	**0.002**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: July 22, 2003

Susquehanna 2

3Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Unplanned scrams	0	0	0	1.0	1.0	0	0	0
Critical hours	2209.0	2160.0	2183.0	2206.2	1943.2	1584.6	1744.8	2208.0
Indicator value	**0**	**0**	**0**	**0.8**	**1.6**	**1.8**	**1.9**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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	0	0	1.0	0	0	0	0
Critical hours	2209.0	2160.0	2183.0	2206.2	1943.2	1584.6	1744.8	2208.0
Indicator value	**0**	**0**	**0**	**0.8**	**0.8**	**0.9**	**0.9**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	23.10	1.00	0	1.90	0	0	7.30	37.30
Unplanned unavailable hours	0	2.00	0	0	9.10	1.70	12.80	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Train 2								
Planned unavailable hours	16.40	0.70	0.70	0	7.60	83.50	0	0
Unplanned unavailable hours	4.40	0	1.70	2.30	0	0.40	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Train 3								
Planned unavailable hours	0	1.10	0	0	0	0	0.90	0
Unplanned unavailable hours	0	2.00	0	0	0	0	25.00	6.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Train 4								
Planned unavailable hours	0	1.00	39.00	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	6.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00

Indicator value	**0.7%**	**0.6%**	**0.6%**	**0.6%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments:

3Q/03: EDG Train D (Diesel Generator D), the potential for 366 hours of T/2 Fault exposure hours has been identified. No change in calculated PI values has been made at this time in accordance with NEI 99-02 Page 30 Lines 37-40.

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	1.52	66.32	9.52	40.03	3.22	76.77	25.10	7.68
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2160.00	2184.00	2208.00	1980.00	1586.60	1732.20	2208.00
Indicator value	**0.6%**	**0.8%**	**0.8%**	**0.9%**	**0.9%**	**1.2%**	**1.3%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	7.67	6.50	0.50	0.50	128.66	12.18	11.42	14.85
Unplanned unavailable hours	0	0	0	0	0	0	0.10	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	2160.00	2184.00	2208.00	1980.10	1586.60	1732.20	2208.00
Indicator value	**2.0%**	**1.7%**	**1.5%**	**1.5%**	**2.0%**	**2.0%**	**1.9%**	**1.9%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	9.07	0	0	12.60	0	21.58	0	9.85
Unplanned unavailable hours	0	0	0	0	0	19.53	0	0
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	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Train 2								
Planned unavailable hours	12.30	0	3.73	28.27	0	0	8.00	11.32
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	2209.00	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Indicator value	**1.0%**	**0.9%**	**0.8%**	**0.9%**	**0.7%**	**0.7%**	**0.7%**	**0.4%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum activity	0.000007	0.000006	0.000004	0.000006	0.000007	0.000006	0.000006	0.000005	0.000004	0.000007	0.000004	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	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	0.000003	0.000004	0.000003	0.000005	0.000005	0.000007	0.000002	0.000003	0.000005	0.000004	0.000003	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	1.610	1.620	1.620	1.610	1.610	1.620	1.630	1.600	1.650	1.620	1.600	1.600
Technical specification limit	25.0	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**	**6.4**	**6.4**	**6.5**	**6.5**	**6.4**	**6.6**	**6.5**	**6.4**	**6.4**

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	1.600	1.620	1.620	1.590	1.650	1.600	1.590	1.630	1.590	1.570	1.570	1.600
Technical specification limit	25.0	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**	**6.4**	**6.6**	**6.4**	**6.4**	**6.5**	**6.4**	**6.3**	**6.3**	**6.4**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful opportunities	59.0	0	6.0	10.0	10.0	34.0	15.0	19.0
Total opportunities	63.0	0	10.0	10.0	10.0	35.0	16.0	21.0
Indicator value	**94.3%**	**94.2%**	**92.8%**	**92.6%**	**92.3%**	**93.2%**	**93.3%**	**92.7%**

Licensee Comments: none

Notes

ERO Drill Participation	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Participating Key personnel	120.0	121.0	120.0	116.0	112.0	118.0	71.0	73.0
Total Key personnel	120.0	121.0	120.0	116.0	112.0	118.0	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	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful siren-tests	887	782	889	780	889	781	990	888
Total sirens-tests	896	784	896	784	896	784	1008	896
Indicator value	**99.1%**	**99.2%**	**99.2%**	**99.3%**	**99.4%**	**99.4%**	**99.1%**	**99.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
High radiation area occurrences	0	1	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**	**1**	**1**	**1**	**1**	**0**	**1**	**1**

Licensee Comments:

3Q/03: The second quarter 2003 Occupational Exposure Control Effectiveness data is revised from 0 to 1 based on an independent determination that the discovery of an unlocked High Radiation Door (as required by Technical Specifications) in the 3rd quarter had existed since the 2nd quarter of 2003. This revision does not affect the color of the PI indicator.

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

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	0	21.00	1.10	16.70	62.50	19.10	0	118.50
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Index Value	**0.003**	**0.003**	**0.003**	**0.001**	**0.003**	**0.002**	**0.002**	**0.005**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

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

Susquehanna 2

4Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned scrams	0	0	1.0	1.0	0	0	0	0
Critical hours	2160.0	2183.0	2206.2	1943.2	1584.6	1744.8	2208.0	2209.0
Indicator value	**0**	**0**	**0.8**	**1.6**	**1.8**	**1.9**	**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/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	0	0	1.0	0	0	0	0	0
Critical hours	2160.0	2183.0	2206.2	1943.2	1584.6	1744.8	2208.0	2209.0
Indicator value	**0**	**0**	**0.8**	**0.8**	**0.9**	**0.9**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	1.00	0	1.90	0	0	7.30	37.30	0
Unplanned unavailable hours	2.00	0	0	9.10	1.70	12.80	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00
Train 2								
Planned unavailable hours	0.70	0.70	0	7.60	83.50	0	0	3.30
Unplanned unavailable hours	0	1.70	2.30	0	0.40	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00
Train 3								
Planned unavailable hours	1.10	0	0	0	0	0.90	0	0.60
Unplanned unavailable hours	2.00	0	0	0	0	25.00	6.80	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00
Train 4								
Planned unavailable hours	1.00	39.00	0	0	0	0	0	0.70
Unplanned unavailable hours	0	0	0	0	0	0	6.80	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00

Indicator value	**0.6%**	**0.6%**	**0.6%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**	**4Q/03**
Train 1								
Planned unavailable hours	66.32	9.52	40.03	3.22	76.77	25.10	7.68	1.90
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	2184.00	2208.00	1980.00	1586.60	1732.20	2208.00	2208.00
Indicator value	**0.8%**	**0.8%**	**0.9%**	**0.9%**	**1.2%**	**1.3%**	**1.0%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	6.50	0.50	0.50	128.66	12.18	11.42	14.85	0.50
Unplanned unavailable hours	0	0	0	0	0	0.10	0	1.50
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	1980.10	1586.60	1732.20	2208.00	2208.00
Indicator value	**1.7%**	**1.5%**	**1.5%**	**2.0%**	**2.0%**	**1.9%**	**1.9%**	**1.9%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	0	0	12.60	0	21.58	0	9.85	0
Unplanned unavailable hours	0	0	0	0	19.53	0	0	0
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	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00
Train 2								
Planned unavailable hours	0	3.73	28.27	0	0	8.00	11.32	18.56
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	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00
Indicator value	**0.9%**	**0.8%**	**0.9%**	**0.7%**	**0.7%**	**0.7%**	**0.4%**	**0.4%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

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	0.000006	0.000007	0.000006	0.000006	0.000005	0.000004	0.000007	0.000004	0.000004	0.000003	0.000004	0.000003
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**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	0.000005	0.000005	0.000007	0.000002	0.000003	0.000005	0.000004	0.000003	0.000004	0.000004	0.000005	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	1.610	1.610	1.620	1.630	1.600	1.650	1.620	1.600	1.600	1.600	1.620	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	**6.4**	**6.4**	**6.5**	**6.5**	**6.4**	**6.6**	**6.5**	**6.4**	**6.4**	**6.4**	**6.5**	**6.5**

Reactor Coolant System Leakage	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum leakage	1.590	1.650	1.600	1.590	1.630	1.590	1.570	1.570	1.600	1.620	1.560	1.590
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	**6.4**	**6.6**	**6.4**	**6.4**	**6.5**	**6.4**	**6.3**	**6.3**	**6.4**	**6.5**	**6.2**	**6.4**

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	6.0	10.0	10.0	34.0	15.0	19.0	10.0
Total opportunities	0	10.0	10.0	10.0	35.0	16.0	21.0	10.0
Indicator value	**94.2%**	**92.8%**	**92.6%**	**92.3%**	**93.2%**	**93.3%**	**92.7%**	**92.9%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Participating Key personnel	121.0	120.0	116.0	112.0	118.0	71.0	73.0	71.0
Total Key personnel	121.0	120.0	116.0	112.0	118.0	71.0	73.0	71.0
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/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful siren-tests	782	889	780	889	781	990	888	773
Total sirens-tests	784	896	784	896	784	1008	896	784
Indicator value	**99.2%**	**99.2%**	**99.3%**	**99.4%**	**99.4%**	**99.1%**	**99.0%**	**98.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
High radiation area occurrences	1	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	**1**	**1**	**1**	**1**	**0**	**1**	**1**	**1**

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	21.00	1.10	16.70	62.50	19.10	0	12.30	62.70
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Index Value	**0.003**	**0.003**	**0.001**	**0.003**	**0.002**	**0.002**	**0.002**	**0.002**

Licensee Comments:

4Q/03: The third quarter 2003 Protected Area Security Equipment Performance Indicator data is revised from 108 hours to 1.8 hours due to a typographical error on the input data sheet. This revision does not affect the color of the Performance Indicator.

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: January 23, 2004

Susquehanna 2

1Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Unplanned scrams	0	1.0	1.0	0	0	0	0	0
Critical hours	2183.0	2206.2	1943.2	1584.6	1744.8	2208.0	2209.0	2184.0
Indicator value	**0**	**0.8**	**1.6**	**1.8**	**1.9**	**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/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	1.0	0	0	0	0	0	0
Critical hours	2183.0	2206.2	1943.2	1584.6	1744.8	2208.0	2209.0	2184.0
Indicator value	**0**	**0.8**	**0.8**	**0.9**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	0	1.90	0	0	7.30	37.30	0	6.30
Unplanned unavailable hours	0	0	9.10	1.70	12.80	0	0	7.20
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2184.00
Train 2								
Planned unavailable hours	0.70	0	7.60	83.50	0	0	3.30	2.50
Unplanned unavailable hours	1.70	2.30	0	0.40	0	0	0	2.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2184.00
Train 3								
Planned unavailable hours	0	0	0	0	0.90	0	0.60	1.40
Unplanned unavailable hours	0	0	0	0	25.00	6.80	0	0.30
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2184.00
Train 4								
Planned unavailable hours	39.00	0	0	0	0	0	0.70	2.50
Unplanned unavailable hours	0	0	0	0	0	6.80	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2184.00
Indicator value	**0.6%**	**0.6%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	9.52	40.03	3.22	76.77	25.10	7.68	1.90	1.83
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	1980.00	1586.60	1732.20	2208.00	2208.00	2184.00
Indicator value	**0.8%**	**0.9%**	**0.9%**	**1.2%**	**1.3%**	**1.0%**	**1.0%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	0.50	0.50	128.66	12.18	11.42	14.85	0.50	0.50
Unplanned unavailable hours	0	0	0	0	0.10	0	1.50	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	1980.10	1586.60	1732.20	2208.00	2208.00	2184.00
Indicator value	**1.5%**	**1.5%**	**2.0%**	**2.0%**	**1.9%**	**1.9%**	**1.9%**	**0.8%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	0	12.60	0	21.58	0	9.85	0	2.48
Unplanned unavailable hours	0	0	0	19.53	0	0	0	2.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2184.00
Train 2								
Planned unavailable hours	3.73	28.27	0	0	8.00	11.32	18.56	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2184.00
Indicator value	**0.8%**	**0.9%**	**0.7%**	**0.7%**	**0.7%**	**0.4%**	**0.4%**	**0.4%**

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

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	0.000006	0.000005	0.000004	0.000007	0.000004	0.000004	0.000003	0.000004	0.000003	0.000005	0.000005	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**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	0.000002	0.000003	0.000005	0.000004	0.000003	0.000004	0.000004	0.000005	0.000005	0.000005	0.000006	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	1.630	1.600	1.650	1.620	1.600	1.600	1.600	1.620	1.620	1.590	1.650	1.600
Technical specification limit	25.0	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**	**6.4**	**6.6**	**6.5**	**6.4**	**6.4**	**6.4**	**6.5**	**6.5**	**6.4**	**6.6**	**6.4**

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	1.590	1.630	1.590	1.570	1.570	1.600	1.620	1.560	1.590	1.580	1.580	1.580
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.5**	**6.4**	**6.3**	**6.3**	**6.4**	**6.5**	**6.2**	**6.4**	**6.3**	**6.3**	**6.3**

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	6.0	10.0	10.0	34.0	15.0	19.0	10.0	6.0
Total opportunities	10.0	10.0	10.0	35.0	16.0	21.0	10.0	6.0
Indicator value	**92.8%**	**92.6%**	**92.3%**	**93.2%**	**93.3%**	**92.7%**	**92.9%**	**93.2%**

Licensee Comments: none

ERO Drill Participation

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	120.0	116.0	112.0	118.0	71.0	73.0	71.0	71.0
Total Key personnel	120.0	116.0	112.0	118.0	71.0	73.0	71.0	71.0
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/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Successful siren-tests	889	780	889	781	990	888	772	887
Total sirens-tests	896	784	896	784	1008	896	784	896
Indicator value	**99.2%**	**99.3%**	**99.4%**	**99.4%**	**99.1%**	**99.0%**	**98.8%**	**98.7%**

Licensee Comments:

1Q/04: The fourth quarter 2003 Alert and Notification System Reliability Performance Indicator data is revised from 773 successful siren tests to 772 successful siren tests due to identification of a siren test failure that was not included in the fourth quarter data. This revision does not affect the color of the Performance Indicator.

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
IDS compensatory hours	1.10	16.70	62.50	19.10	0	12.30	62.70	13.00
CCTV compensatory hours	0	0	0	0	0	0	0	0
IDS normalization factor	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
CCTV normalization factor	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Index Value	**0.003**	**0.001**	**0.003**	**0.002**	**0.002**	**0.002**	**0.002**	**0.002**

Licensee Comments: none

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: April 22, 2004

Susquehanna 2

2Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned scrams	1.0	1.0	0	0	0	0	0	0
Critical hours	2206.2	1943.2	1584.6	1744.8	2208.0	2209.0	2184.0	2183.0
Indicator value	**0.8**	**1.6**	**1.8**	**1.9**	**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/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	1.0	0	0	0	0	0	0	1.0
Critical hours	2206.2	1943.2	1584.6	1744.8	2208.0	2209.0	2184.0	2183.0
Indicator value	**0.8**	**0.8**	**0.9**	**0.9**	**0**	**0**	**0**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	1.90	0	0	7.30	37.30	0	6.30	1.60
Unplanned unavailable hours	0	9.10	1.70	12.80	0	0	7.20	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2184.00	2184.00
Train 2								
Planned unavailable hours	0	7.60	83.50	0	0	3.30	2.50	2.40
Unplanned unavailable hours	2.30	0	0.40	0	0	0	2.80	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2184.00	2184.00
Train 3								
Planned unavailable hours	0	0	0	0.90	0	0.60	1.40	0.90
Unplanned unavailable hours	0	0	0	25.00	6.80	0	0.30	25.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2184.00	2184.00
Train 4								
Planned unavailable hours	0	0	0	0	0	0.70	2.50	33.30
Unplanned unavailable hours	0	0	0	0	6.80	0	0	2.90
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2184.00	2184.00
Indicator value	**0.6%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.4%**	**0.4%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	40.03	3.22	76.77	25.10	7.68	1.90	1.83	1.05
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	1980.00	1586.60	1732.20	2208.00	2208.00	2184.00	2184.00
Indicator value	**0.9%**	**0.9%**	**1.2%**	**1.3%**	**1.0%**	**1.0%**	**1.0%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	0.50	128.66	12.18	11.42	14.85	0.50	0.50	23.00
Unplanned unavailable hours	0	0	0	0.10	0	1.50	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1980.10	1586.60	1732.20	2208.00	2208.00	2184.00	2184.00
Indicator value	**1.5%**	**2.0%**	**2.0%**	**1.9%**	**1.9%**	**1.9%**	**0.8%**	**0.8%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	12.60	0	21.58	0	9.85	0	2.48	79.35
Unplanned unavailable hours	0	0	19.53	0	0	0	2.10	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	2208.00	2160.00	2184.00	2208.00	2208.00	2184.00	2184.00
Train 2								
Planned unavailable hours	28.27	0	0	8.00	11.32	18.56	0	9.35
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2184.00	2184.00
Indicator value	**0.9%**	**0.7%**	**0.7%**	**0.7%**	**0.4%**	**0.4%**	**0.4%**	**0.5%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments:

2Q/04: The second and fourth quarter 1999 Safety System Functional Failure PI data is revised from 0 to 1 (2Q) and from 0 to 1 (4Q). These changes reflect the results of a recent assessment of LER's reported as Safety System Functional Failures under the Reactor Oversight Process. This revision to previously reported data does not have any effect on the color of the current PI nor would it have affected the PI color in 1999.

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	0.000007	0.000004	0.000004	0.000003	0.000004	0.000003	0.000005	0.000005	0.000007	0.000002	0.000003	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**
Maximum activity	0.000004	0.000003	0.000004	0.000004	0.000005	0.000005	0.000005	0.000006	0.000005	0.000006	0.000005	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	1.620	1.600	1.600	1.600	1.620	1.620	1.590	1.650	1.600	1.590	1.630	1.590
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	**6.5**	**6.4**	**6.4**	**6.4**	**6.5**	**6.5**	**6.4**	**6.6**	**6.4**	**6.4**	**6.5**	**6.4**

Reactor Coolant System Leakage	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum leakage	1.570	1.570	1.600	1.620	1.560	1.590	1.580	1.580	1.580	1.560	1.560	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	**6.3**	**6.3**	**6.4**	**6.5**	**6.2**	**6.4**	**6.3**	**6.3**	**6.3**	**6.2**	**6.2**	**6.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful opportunities	10.0	10.0	34.0	15.0	19.0	10.0	6.0	13.0
Total opportunities	10.0	10.0	35.0	16.0	21.0	10.0	6.0	13.0
Indicator value	**92.6%**	**92.3%**	**93.2%**	**93.3%**	**92.7%**	**92.9%**	**93.2%**	**96.7%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Participating Key personnel	116.0	112.0	118.0	71.0	73.0	71.0	71.0	79.0
Total Key personnel	116.0	112.0	118.0	71.0	73.0	71.0	71.0	79.0
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/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful siren-tests	780	889	781	990	888	772	887	773
Total sirens-tests	784	896	784	1008	896	784	896	784
Indicator value	**99.3%**	**99.4%**	**99.4%**	**99.1%**	**99.0%**	**98.8%**	**98.7%**	**98.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
High radiation area occurrences	0	0	0	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	**1**	**1**	**0**	**1**	**1**	**1**	**1**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Susquehanna 2

3Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	1943.2	1584.6	1744.8	2208.0	2209.0	2184.0	2183.0	2208.0
Indicator value	**1.6**	**1.8**	**1.9**	**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/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned power changes	0	0	0	0	0	0	1.0	1.0
Critical hours	1943.2	1584.6	1744.8	2208.0	2209.0	2184.0	2183.0	2208.0
Indicator value	**0.8**	**0.9**	**0.9**	**0**	**0**	**0**	**0.8**	**1.6**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	0	0	7.30	37.30	0	6.30	1.60	2.50
Unplanned unavailable hours	9.10	1.70	12.80	0	0	7.20	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2160.00	2184.00	2208.00	2208.00	2184.00	2184.00	2208.00
Train 2								
Planned unavailable hours	7.60	83.50	0	0	3.30	2.50	2.40	1.40
Unplanned unavailable hours	0	0.40	0	0	0	2.80	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2160.00	2184.00	2208.00	2208.00	2184.00	2184.00	2208.00
Train 3								
Planned unavailable hours	0	0	0.90	0	0.60	1.40	0.90	0
Unplanned unavailable hours	0	0	25.00	6.80	0	0.30	25.60	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	2208.00	2160.00	2184.00	2208.00	2208.00	2184.00	2184.00	2208.00
Train 4								
Planned unavailable hours	0	0	0	0	0.70	2.50	33.30	1.00
Unplanned unavailable hours	0	0	0	6.80	0	0	2.90	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2160.00	2184.00	2208.00	2208.00	2184.00	2184.00	2208.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

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	3.22	76.77	25.10	7.68	1.90	1.83	1.05	1.58
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1980.00	1586.60	1732.20	2208.00	2208.00	2184.00	2184.00	2208.00
Indicator value	**0.9%**	**1.2%**	**1.3%**	**1.0%**	**1.0%**	**1.0%**	**0.9%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	128.66	12.18	11.42	14.85	0.50	0.50	23.00	0.65
Unplanned unavailable hours	0	0	0.10	0	1.50	0	0	29.45
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1980.10	1586.60	1732.20	2208.00	2208.00	2184.00	2184.00	2208.00
Indicator value	**2.0%**	**2.0%**	**1.9%**	**1.9%**	**1.9%**	**0.8%**	**0.8%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	0	21.58	0	9.85	0	2.48	79.35	18.80
Unplanned unavailable hours	0	19.53	0	0	0	2.10	0	21.27
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2160.00	2184.00	2208.00	2208.00	2184.00	2184.00	2208.00
Train 2								
Planned unavailable hours	0	0	8.00	11.32	18.56	0	9.35	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	2160.00	2184.00	2208.00	2208.00	2184.00	2184.00	2208.00
Indicator value	**0.7%**	**0.7%**	**0.7%**	**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)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Safety System Functional Failures	0	0	1	1	1	0	1	0
Indicator value	**3**	**3**	**1**	**2**	**3**	**3**	**3**	**2**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/02**	**11/02**	**12/02**	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**
Maximum activity	0.000003	0.000004	0.000003	0.000005	0.000005	0.000007	0.000002	0.000003	0.000005	0.000004	0.000003	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**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	0.000004	0.000005	0.000005	0.000005	0.000006	0.000005	0.000006	0.000005	0.000004	0.000006	0.000007	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/02**	**11/02**	**12/02**	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**
Maximum leakage	1.600	1.620	1.620	1.590	1.650	1.600	1.590	1.630	1.590	1.570	1.570	1.600
Technical specification limit	25.0	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**	**6.4**	**6.6**	**6.4**	**6.4**	**6.5**	**6.4**	**6.3**	**6.3**	**6.4**

Reactor Coolant System Leakage	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**
Maximum leakage	1.620	1.560	1.590	1.580	1.580	1.580	1.560	1.560	1.550	1.570	1.610	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	**6.5**	**6.2**	**6.4**	**6.3**	**6.3**	**6.3**	**6.2**	**6.2**	**6.2**	**6.3**	**6.4**	**6.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful opportunities	10.0	34.0	15.0	19.0	10.0	6.0	13.0	21.0
Total opportunities	10.0	35.0	16.0	21.0	10.0	6.0	13.0	21.0
Indicator value	**92.3%**	**93.2%**	**93.3%**	**92.7%**	**92.9%**	**93.2%**	**96.7%**	**97.0%**

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	112.0	118.0	71.0	73.0	71.0	71.0	79.0	84.0
Total Key personnel	112.0	118.0	71.0	73.0	71.0	71.0	79.0	84.0
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/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful siren-tests	889	781	990	888	772	887	773	881
Total sirens-tests	896	784	1008	896	784	896	784	896
Indicator value	**99.4%**	**99.4%**	**99.1%**	**99.0%**	**98.8%**	**98.7%**	**98.8%**	**98.6%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: October 25, 2004

Susquehanna 2

4Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1584.6	1744.8	2208.0	2209.0	2184.0	2183.0	2208.0	2209.0
Indicator value	**1.8**	**1.9**	**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/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned power changes	0	0	0	0	0	1.0	1.0	1.0
Critical hours	1584.6	1744.8	2208.0	2209.0	2184.0	2183.0	2208.0	2209.0
Indicator value	**0.9**	**0.9**	**0**	**0**	**0**	**0.8**	**1.6**	**2.4**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	0	7.30	37.30	0	6.30	1.60	2.50	0
Unplanned unavailable hours	1.70	12.80	0	0	7.20	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00
Train 2								
Planned unavailable hours	83.50	0	0	3.30	2.50	2.40	1.40	0
Unplanned unavailable hours	0.40	0	0	0	2.80	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00
Train 3								
Planned unavailable hours	0	0.90	0	0.60	1.40	0.90	0	14.50
Unplanned unavailable hours	0	25.00	6.80	0	0.30	25.60	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	2160.00	2184.00	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00
Train 4								
Planned unavailable hours	0	0	0	0.70	2.50	33.30	1.00	1.50
Unplanned unavailable hours	0	0	6.80	0	0	2.90	0	43.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

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	76.77	25.10	7.68	1.90	1.83	1.05	1.58	100.40
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1586.60	1732.20	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00
Indicator value	**1.2%**	**1.3%**	**1.0%**	**1.0%**	**1.0%**	**0.9%**	**0.9%**	**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/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	12.18	11.42	14.85	0.50	0.50	23.00	0.65	81.08
Unplanned unavailable hours	0	0.10	0	1.50	0	0	29.45	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1586.60	1732.20	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00
Indicator value	**2.0%**	**1.9%**	**1.9%**	**1.9%**	**0.8%**	**0.8%**	**0.9%**	**1.2%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	21.58	0	9.85	0	2.48	79.35	18.80	23.53
Unplanned unavailable hours	19.53	0	0	0	2.10	0	21.27	1.05
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	2184.00	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00
Train 2								
Planned unavailable hours	0	8.00	11.32	18.56	0	9.35	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00
Indicator value	**0.7%**	**0.7%**	**0.4%**	**0.4%**	**0.4%**	**0.5%**	**0.5%**	**0.6%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

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	0.000005	0.000005	0.000007	0.000002	0.000003	0.000005	0.000004	0.000003	0.000004	0.000004	0.000005	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**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	0.000005	0.000006	0.000005	0.000006	0.000005	0.000004	0.000006	0.000007	0.000006	0.000005	0.000006	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**
Maximum leakage	1.590	1.650	1.600	1.590	1.630	1.590	1.570	1.570	1.600	1.620	1.560	1.590
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	**6.4**	**6.6**	**6.4**	**6.4**	**6.5**	**6.4**	**6.3**	**6.3**	**6.4**	**6.5**	**6.2**	**6.4**
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	1.580	1.580	1.580	1.560	1.560	1.550	1.570	1.610	1.550	1.570	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	**6.3**	**6.3**	**6.3**	**6.2**	**6.2**	**6.2**	**6.3**	**6.4**	**6.2**	**6.3**	**6.4**	**6.2**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful opportunities	34.0	15.0	19.0	10.0	6.0	13.0	21.0	19.0
Total opportunities	35.0	16.0	21.0	10.0	6.0	13.0	21.0	20.0
Indicator value	**93.2%**	**93.3%**	**92.7%**	**92.9%**	**93.2%**	**96.7%**	**97.0%**	**96.5%**

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	118.0	71.0	73.0	71.0	71.0	79.0	84.0	82.0
Total Key personnel	118.0	71.0	73.0	71.0	71.0	79.0	84.0	82.0
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/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful siren-tests	781	990	888	772	887	773	881	782
Total sirens-tests	784	1008	896	784	896	784	896	784
Indicator value	**99.4%**	**99.1%**	**99.0%**	**98.8%**	**98.7%**	**98.8%**	**98.6%**	**98.9%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: March 9, 2005

Susquehanna 2

1Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1744.8	2208.0	2209.0	2184.0	2183.0	2208.0	2209.0	1572.0
Indicator value	**1.9**	**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/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	0	0	1.0	1.0	1.0	0
Critical hours	1744.8	2208.0	2209.0	2184.0	2183.0	2208.0	2209.0	1572.0
Indicator value	**0.9**	**0**	**0**	**0**	**0.8**	**1.6**	**2.4**	**2.6**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	7.30	37.30	0	6.30	1.60	2.50	0	0
Unplanned unavailable hours	12.80	0	0	7.20	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00
Train 2								
Planned unavailable hours	0	0	3.30	2.50	2.40	1.40	0	33.60
Unplanned unavailable hours	0	0	0	2.80	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00
Train 3								
Planned unavailable hours	0.90	0	0.60	1.40	0.90	0	14.50	1.00
Unplanned unavailable hours	25.00	6.80	0	0.30	25.60	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	2184.00	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00
Train 4								
Planned unavailable hours	0	0	0.70	2.50	33.30	1.00	1.50	4.60
Unplanned unavailable hours	0	6.80	0	0	2.90	0	43.40	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	2184.00	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

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	25.10	7.68	1.90	1.83	1.05	1.58	100.40	1.53
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1732.20	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00	1564.70
Indicator value	**1.3%**	**1.0%**	**1.0%**	**1.0%**	**0.9%**	**0.9%**	**1.3%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	11.42	14.85	0.50	0.50	23.00	0.65	81.08	7.30
Unplanned unavailable hours	0.10	0	1.50	0	0	29.45	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1732.20	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00	1564.70
Indicator value	**1.9%**	**1.9%**	**1.9%**	**0.8%**	**0.8%**	**0.9%**	**1.2%**	**1.3%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	0	9.85	0	2.48	79.35	18.80	23.53	21.34
Unplanned unavailable hours	0	0	0	2.10	0	21.27	1.05	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00
Train 2								
Planned unavailable hours	8.00	11.32	18.56	0	9.35	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00
Indicator value	**0.7%**	**0.4%**	**0.4%**	**0.4%**	**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)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Safety System Functional Failures	1	1	1	0	1	0	1	1
Indicator value	**1**	**2**	**3**	**3**	**3**	**2**	**2**	**3**

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	0.000002	0.000003	0.000005	0.000004	0.000003	0.000004	0.000004	0.000005	0.000005	0.000005	0.000006	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**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	0.000006	0.000005	0.000004	0.000006	0.000007	0.000006	0.000005	0.000006	0.000006	0.000006	0.000007	N/A
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**

Licensee Comments:

3/05: Due to plant conditions during the month of March, a reactor coolant system activity (D.E.I-131) was not required to be reported.

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	1.590	1.630	1.590	1.570	1.570	1.600	1.620	1.560	1.590	1.580	1.580	1.580
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.5**	**6.4**	**6.3**	**6.3**	**6.4**	**6.5**	**6.2**	**6.4**	**6.3**	**6.3**	**6.3**
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	1.560	1.560	1.550	1.570	1.610	1.550	1.570	1.590	1.560	1.620	1.580	1.590
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	**6.2**	**6.2**	**6.2**	**6.3**	**6.4**	**6.2**	**6.3**	**6.4**	**6.2**	**6.5**	**6.3**	**6.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful opportunities	15.0	19.0	10.0	6.0	13.0	21.0	19.0	12.0
Total opportunities	16.0	21.0	10.0	6.0	13.0	21.0	20.0	12.0
Indicator value	**93.3%**	**92.7%**	**92.9%**	**93.2%**	**96.7%**	**97.0%**	**96.5%**	**96.6%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Participating Key personnel	71.0	73.0	71.0	71.0	79.0	84.0	82.0	91.0
Total Key personnel	71.0	73.0	71.0	71.0	79.0	84.0	82.0	91.0
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/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful siren-tests	990	888	772	887	773	881	782	894
Total sirens-tests	1008	896	784	896	784	896	784	896
Indicator value	**99.1%**	**99.0%**	**98.8%**	**98.7%**	**98.8%**	**98.6%**	**98.9%**	**99.1%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: June 17, 2005

Susquehanna 2

2Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned scrams	0	0	0	0	0	0	0	2.0
Critical hours	2208.0	2209.0	2184.0	2183.0	2208.0	2209.0	1572.0	2003.0
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**	**1.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/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	0	0	1.0	1.0	1.0	0	1.0
Critical hours	2208.0	2209.0	2184.0	2183.0	2208.0	2209.0	1572.0	2003.0
Indicator value	**0**	**0**	**0**	**0.8**	**1.6**	**2.4**	**2.6**	**2.6**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	37.30	0	6.30	1.60	2.50	0	0	0
Unplanned unavailable hours	0	0	7.20	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00
Train 2								
Planned unavailable hours	0	3.30	2.50	2.40	1.40	0	33.60	0
Unplanned unavailable hours	0	0	2.80	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00
Train 3								
Planned unavailable hours	0	0.60	1.40	0.90	0	14.50	1.00	6.90
Unplanned unavailable hours	6.80	0	0.30	25.60	0	0	0	12.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00
Train 4								
Planned unavailable hours	0	0.70	2.50	33.30	1.00	1.50	4.60	0
Unplanned unavailable hours	6.80	0	0	2.90	0	43.40	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	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00
Indicator value	**0.5%**	**0.5%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	7.68	1.90	1.83	1.05	1.58	100.40	1.53	1.35
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00	1564.70	2184.00
Indicator value	**1.0%**	**1.0%**	**1.0%**	**0.9%**	**0.9%**	**1.3%**	**1.1%**	**1.1%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	14.85	0.50	0.50	23.00	0.65	81.08	7.30	0.50
Unplanned unavailable hours	0	1.50	0	0	29.45	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00	1564.70	2184.00
Indicator value	**1.9%**	**1.9%**	**0.8%**	**0.8%**	**0.9%**	**1.2%**	**1.3%**	**1.3%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	9.85	0	2.48	79.35	18.80	23.53	21.34	0
Unplanned unavailable hours	0	0	2.10	0	21.27	1.05	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00
Train 2								
Planned unavailable hours	11.32	18.56	0	9.35	0	0	0	13.40
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.5%**	**0.5%**	**0.6%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**
Maximum activity	0.000004	0.000003	0.000004	0.000004	0.000005	0.000005	0.000005	0.000006	0.000005	0.000006	0.000005	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**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	0.000006	0.000007	0.000006	0.000005	0.000006	0.000006	0.000006	0.000007	N/A	0.000003	0.000004	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**
Maximum leakage	1.570	1.570	1.600	1.620	1.560	1.590	1.580	1.580	1.580	1.560	1.560	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	**6.3**	**6.3**	**6.4**	**6.5**	**6.2**	**6.4**	**6.3**	**6.3**	**6.3**	**6.2**	**6.2**	**6.2**

Reactor Coolant System Leakage	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**
Maximum leakage	1.570	1.610	1.550	1.570	1.590	1.560	1.620	1.580	1.590	1.600	1.580	1.590
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	**6.3**	**6.4**	**6.2**	**6.3**	**6.4**	**6.2**	**6.5**	**6.3**	**6.4**	**6.4**	**6.3**	**6.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful opportunities	19.0	10.0	6.0	13.0	21.0	19.0	12.0	51.0
Total opportunities	21.0	10.0	6.0	13.0	21.0	20.0	12.0	53.0
Indicator value	**92.7%**	**92.9%**	**93.2%**	**96.7%**	**97.0%**	**96.5%**	**96.6%**	**96.8%**

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	73.0	71.0	71.0	79.0	84.0	82.0	91.0	95.0
Total Key personnel	73.0	71.0	71.0	79.0	84.0	82.0	91.0	95.0
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/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful siren-tests	888	772	887	773	881	782	894	778
Total sirens-tests	896	784	896	784	896	784	896	784
Indicator value	**99.0%**	**98.8%**	**98.7%**	**98.8%**	**98.6%**	**98.9%**	**99.1%**	**99.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: August 3, 2005

Susquehanna 2

3Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned scrams	0	0	0	0	0	0	2.0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	2209.0	1572.0	2003.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1.8**	**1.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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	0	0	1.0	1.0	1.0	0	1.0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	2209.0	1572.0	2003.0	2208.0
Indicator value	**0**	**0**	**0.8**	**1.6**	**2.4**	**2.6**	**2.6**	**1.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	0	6.30	1.60	2.50	0	0	0	22.10
Unplanned unavailable hours	0	7.20	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Train 2								
Planned unavailable hours	3.30	2.50	2.40	1.40	0	33.60	0	0
Unplanned unavailable hours	0	2.80	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Train 3								
Planned unavailable hours	0.60	1.40	0.90	0	14.50	1.00	6.90	0
Unplanned unavailable hours	0	0.30	25.60	0	0	0	12.60	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	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Train 4								
Planned unavailable hours	0.70	2.50	33.30	1.00	1.50	4.60	0	0.07
Unplanned unavailable hours	0	0	2.90	0	43.40	0	0	5.20
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Indicator value	**0.5%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

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	1.90	1.83	1.05	1.58	100.40	1.53	1.35	1.38
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	2184.00	2184.00	2208.00	2208.00	1564.70	2184.00	2208.00
Indicator value	**1.0%**	**1.0%**	**0.9%**	**0.9%**	**1.3%**	**1.1%**	**1.1%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	0.50	0.50	23.00	0.65	81.08	7.30	0.50	0.50
Unplanned unavailable hours	1.50	0	0	29.45	0	0	0	0
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	2184.00	2184.00	2208.00	2208.00	1564.70	2184.00	2208.00
Indicator value	**1.9%**	**0.8%**	**0.8%**	**0.9%**	**1.2%**	**1.3%**	**1.3%**	**1.3%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	0	2.48	79.35	18.80	23.53	21.34	0	26.00
Unplanned unavailable hours	0	2.10	0	21.27	1.05	0	0	0
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	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Train 2								
Planned unavailable hours	18.56	0	9.35	0	0	0	13.40	1.98
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	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00
Indicator value	**0.4%**	**0.4%**	**0.5%**	**0.5%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**
Maximum activity	0.000004	0.000005	0.000005	0.000005	0.000006	0.000005	0.000006	0.000005	0.000004	0.000006	0.000007	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**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	0.000005	0.000006	0.000006	0.000006	0.000007	N/A	0.000003	0.000004	0.000004	0.000004	0.000004	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**
Maximum leakage	1.620	1.560	1.590	1.580	1.580	1.580	1.560	1.560	1.550	1.570	1.610	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	**6.5**	**6.2**	**6.4**	**6.3**	**6.3**	**6.3**	**6.2**	**6.2**	**6.2**	**6.3**	**6.4**	**6.2**
Reactor Coolant System Leakage	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**
Maximum leakage	1.570	1.590	1.560	1.620	1.580	1.590	1.600	1.580	1.590	1.590	1.580	1.600
Technical specification limit	25.0	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**	**6.4**	**6.2**	**6.5**	**6.3**	**6.4**	**6.4**	**6.3**	**6.4**	**6.4**	**6.3**	**6.4**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful opportunities	10.0	6.0	13.0	21.0	19.0	12.0	51.0	30.0
Total opportunities	10.0	6.0	13.0	21.0	20.0	12.0	53.0	30.0
Indicator value	**92.9%**	**93.2%**	**96.7%**	**97.0%**	**96.5%**	**96.6%**	**96.8%**	**98.2%**

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	71.0	71.0	79.0	84.0	82.0	91.0	95.0	91.0
Total Key personnel	71.0	71.0	79.0	84.0	82.0	91.0	95.0	91.0
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/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful siren-tests	772	887	773	881	782	894	778	885
Total sirens-tests	784	896	784	896	784	896	784	896
Indicator value	**98.8%**	**98.7%**	**98.8%**	**98.6%**	**98.9%**	**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	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: November 3, 2005

Susquehanna 2

4Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned scrams	0	0	0	0	0	2.0	0	0
Critical hours	2184.0	2183.0	2208.0	2209.0	1572.0	2003.0	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1.8**	**1.8**	**1.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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	1.0	1.0	1.0	0	1.0	0	0
Critical hours	2184.0	2183.0	2208.0	2209.0	1572.0	2003.0	2208.0	2209.0
Indicator value	**0**	**0.8**	**1.6**	**2.4**	**2.6**	**2.6**	**1.8**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	6.30	1.60	2.50	0	0	0	22.10	0
Unplanned unavailable hours	7.20	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00
Train 2								
Planned unavailable hours	2.50	2.40	1.40	0	33.60	0	0	1.30
Unplanned unavailable hours	2.80	0	0	0	0	0	0	4.10
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00
Train 3								
Planned unavailable hours	1.40	0.90	0	14.50	1.00	6.90	0	0.70
Unplanned unavailable hours	0.30	25.60	0	0	0	12.60	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	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00
Train 4								
Planned unavailable hours	2.50	33.30	1.00	1.50	4.60	0	0.07	6.00
Unplanned unavailable hours	0	2.90	0	43.40	0	0	5.20	11.70
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

Thresholds: White > 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	1.83	1.05	1.58	100.40	1.53	1.35	1.38	1.33
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2184.00	2208.00	2208.00	1564.70	2184.00	2208.00	2208.00
Indicator value	**1.0%**	**0.9%**	**0.9%**	**1.3%**	**1.1%**	**1.1%**	**0.9%**	**0.9%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	0.50	23.00	0.65	81.08	7.30	0.50	0.50	0.50
Unplanned unavailable hours	0	0	29.45	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	2184.00	2208.00	2208.00	1564.70	2184.00	2208.00	2208.00
Indicator value	**0.8%**	**0.8%**	**0.9%**	**1.2%**	**1.3%**	**1.3%**	**1.3%**	**0.7%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	2.48	79.35	18.80	23.53	21.34	0	26.00	0
Unplanned unavailable hours	2.10	0	21.27	1.05	0	0	0	0.93
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00
Train 2								
Planned unavailable hours	0	9.35	0	0	0	13.40	1.98	13.96
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	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00
Indicator value	**0.4%**	**0.5%**	**0.5%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**
Maximum activity	0.000005	0.000006	0.000005	0.000006	0.000005	0.000004	0.000006	0.000007	0.000006	0.000005	0.000006	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**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	0.000006	0.000007	N/A	0.000003	0.000004	0.000004	0.000004	0.000004	0.000005	0.000005	0.000005	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**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum leakage	1.580	1.580	1.580	1.560	1.560	1.550	1.570	1.610	1.550	1.570	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	**6.3**	**6.3**	**6.3**	**6.2**	**6.2**	**6.2**	**6.3**	**6.4**	**6.2**	**6.3**	**6.4**	**6.2**
Reactor Coolant System Leakage	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**
Maximum leakage	1.620	1.580	1.590	1.600	1.580	1.590	1.590	1.580	1.600	1.570	1.570	1.570
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.3**	**6.4**	**6.4**	**6.3**	**6.4**	**6.4**	**6.3**	**6.4**	**6.3**	**6.3**	**6.3**

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	6.0	13.0	21.0	19.0	12.0	51.0	30.0	10.0
Total opportunities	6.0	13.0	21.0	20.0	12.0	53.0	30.0	11.0
Indicator value	**93.2%**	**96.7%**	**97.0%**	**96.5%**	**96.6%**	**96.8%**	**98.2%**	**97.6%**

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	79.0	84.0	82.0	91.0	95.0	91.0	94.0
Total Key personnel	71.0	79.0	84.0	82.0	91.0	95.0	91.0	94.0
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/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful siren-tests	887	773	881	782	894	778	884	880
Total sirens-tests	896	784	896	784	896	784	896	896
Indicator value	**98.7%**	**98.8%**	**98.6%**	**98.9%**	**99.1%**	**99.3%**	**99.3%**	**99.0%**

Licensee Comments:

4Q/05: The third quarter 2005 Alert and Notification System PI data is revised from 885 to 884 successful ANS siren tests during the reporting quarter. This change reflects the results of a recent review of a discrepancy between 3rd and 4th quarter data. This revision to previously reported data does not have any affect on the color of the current PI nor would it have affected the PI color in the 3rd quarter of 2005.

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: January 30, 2006

Susquehanna 2

1Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned scrams	0	0	0	0	2.0	0	0	0
Critical hours	2183.0	2208.0	2209.0	1572.0	2003.0	2208.0	2209.0	2160.0
Indicator value	**0**	**0**	**0**	**0**	**1.8**	**1.8**	**1.8**	**1.6**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned power changes	1.0	1.0	1.0	0	1.0	0	0	0
Critical hours	2183.0	2208.0	2209.0	1572.0	2003.0	2208.0	2209.0	2160.0
Indicator value	**0.8**	**1.6**	**2.4**	**2.6**	**2.6**	**1.8**	**0.9**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	1.60	2.50	0	0	0	22.10	0	5.20
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	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00
Train 2								
Planned unavailable hours	2.40	1.40	0	33.60	0	0	1.30	0
Unplanned unavailable hours	0	0	0	0	0	0	4.10	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	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00
Train 3								
Planned unavailable hours	0.90	0	14.50	1.00	6.90	0	0.70	12.60
Unplanned unavailable hours	25.60	0	0	0	12.60	0	0	20.20
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00
Train 4								
Planned unavailable hours	33.30	1.00	1.50	4.60	0	0.07	6.00	0
Unplanned unavailable hours	2.90	0	43.40	0	0	5.20	11.70	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00
Indicator value	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**	**0.4%**

Licensee Comments: none

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	1.05	1.58	100.40	1.53	1.35	1.38	1.33	1.17
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	2208.00	2208.00	1564.70	2184.00	2208.00	2208.00	2160.00
Indicator value	**0.9%**	**0.9%**	**1.3%**	**1.1%**	**1.1%**	**0.9%**	**0.9%**	**0.6%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	23.00	0.65	81.08	7.30	0.50	0.50	0.50	0.50
Unplanned unavailable hours	0	29.45	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	2208.00	2208.00	1564.70	2184.00	2208.00	2208.00	2160.00
Indicator value	**0.8%**	**0.9%**	**1.2%**	**1.3%**	**1.3%**	**1.3%**	**0.7%**	**0.7%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	79.35	18.80	23.53	21.34	0	26.00	0	0
Unplanned unavailable hours	0	21.27	1.05	0	0	0	0.93	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00
Train 2								
Planned unavailable hours	9.35	0	0	0	13.40	1.98	13.96	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2208.00	2208.00	2160.00	2184.00	2208.00	2208.00	2160.00
Indicator value	**0.5%**	**0.5%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.6%**	**0.5%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**
Maximum activity	0.000006	0.000005	0.000004	0.000006	0.000007	0.000006	0.000005	0.000006	0.000006	0.000006	0.000007	N/A
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**

Reactor Coolant System Activity	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**
Maximum activity	0.000003	0.000004	0.000004	0.000004	0.000004	0.000005	0.000005	0.000005	0.000009	0.000005	0.000005	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**
Maximum leakage	1.560	1.560	1.550	1.570	1.610	1.550	1.570	1.590	1.560	1.620	1.580	1.590
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	**6.2**	**6.2**	**6.2**	**6.3**	**6.4**	**6.2**	**6.3**	**6.4**	**6.2**	**6.5**	**6.3**	**6.4**
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	1.600	1.580	1.590	1.590	1.580	1.600	1.570	1.570	1.570	1.570	1.590	1.580
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.3**	**6.4**	**6.4**	**6.3**	**6.4**	**6.3**	**6.3**	**6.3**	**6.3**	**6.4**	**6.3**

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	13.0	21.0	19.0	12.0	51.0	30.0	10.0	10.0
Total opportunities	13.0	21.0	20.0	12.0	53.0	30.0	11.0	10.0
Indicator value	**96.7%**	**97.0%**	**96.5%**	**96.6%**	**96.8%**	**98.2%**	**97.6%**	**97.6%**

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	79.0	84.0	82.0	91.0	95.0	91.0	94.0	95.0
Total Key personnel	79.0	84.0	82.0	91.0	95.0	91.0	94.0	95.0
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/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful siren-tests	773	881	782	894	778	884	880	880
Total sirens-tests	784	896	784	896	784	896	896	896
Indicator value	**98.8%**	**98.6%**	**98.9%**	**99.1%**	**99.3%**	**99.3%**	**99.0%**	**98.6%**

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

Susquehanna 2

2Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned scrams	0	0	0	2.0	0	0	0	0
Critical hours	2208.0	2209.0	1572.0	2003.0	2208.0	2209.0	2160.0	2053.8
Indicator value	**0**	**0**	**0**	**1.8**	**1.8**	**1.8**	**1.6**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned power changes	1.0	1.0	0	1.0	0	0	0	0
Critical hours	2208.0	2209.0	1572.0	2003.0	2208.0	2209.0	2160.0	2053.8
Indicator value	**1.6**	**2.4**	**2.6**	**2.6**	**1.8**	**0.9**	**0.8**	**0**

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	1	0	0	0	0	0
Indicator value	**2**	**2**	**3**	**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	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								-1.20E-08
URI (ΔCDF)								-5.80E-07
PLE								NO
Indicator value								**-5.92E-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)								-4.70E-09
URI (ΔCDF)								-1.20E-08
PLE								NO
Indicator value								**-1.67E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								-6.80E-09
URI (ΔCDF)								-1.70E-08
PLE								NO
Indicator value								**-2.38E-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)								-3.30E-10
URI (ΔCDF)								-8.30E-09
PLE								NO
Indicator value								**-8.63E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								-3.60E-06
URI (ΔCDF)								-4.00E-09
PLE								NO
Indicator value								**-3.60E-06**

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	0.000006	0.000007	0.000006	0.000005	0.000006	0.000006	0.000006	0.000007	N/A	0.000003	0.000004	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000004	0.000004	0.000005	0.000005	0.000005	0.000009	0.000005	0.000005	0.000004	0.000005	0.000004	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1.570	1.610	1.550	1.570	1.590	1.560	1.620	1.580	1.590	1.600	1.580	1.590
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	**6.3**	**6.4**	**6.2**	**6.3**	**6.4**	**6.2**	**6.5**	**6.3**	**6.4**	**6.4**	**6.3**	**6.4**
Reactor Coolant System Leakage	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**
Maximum leakage	1.590	1.580	1.600	1.570	1.570	1.570	1.570	1.590	1.580	1.580	1.590	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**	**6.3**	**6.4**	**6.3**	**6.3**	**6.3**	**6.3**	**6.4**	**6.3**	**6.3**	**6.4**	**6.3**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful opportunities	21.0	19.0	12.0	51.0	30.0	10.0	10.0	8.0
Total opportunities	21.0	20.0	12.0	53.0	30.0	11.0	10.0	9.0
Indicator value	**97.0%**	**96.5%**	**96.6%**	**96.8%**	**98.2%**	**97.6%**	**97.6%**	**97.0%**

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	84.0	82.0	91.0	95.0	91.0	94.0	95.0	92.0
Total Key personnel	84.0	82.0	91.0	95.0	91.0	94.0	95.0	92.0
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	881	782	894	778	884	880	880	660
Total sirens-tests	896	784	896	784	896	896	896	672
Indicator value	**98.6%**	**98.9%**	**99.1%**	**99.3%**	**99.3%**	**99.0%**	**98.6%**	**98.3%**

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

Susquehanna 2

3Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned scrams	0	0	2.0	0	0	0	0	0
Critical hours	2209.0	1572.0	2003.0	2208.0	2209.0	2160.0	2053.8	2188.9
Indicator value	**0**	**0**	**1.8**	**1.8**	**1.8**	**1.6**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned power changes	1.0	0	1.0	0	0	0	0	0
Critical hours	2209.0	1572.0	2003.0	2208.0	2209.0	2160.0	2053.8	2188.9
Indicator value	**2.4**	**2.6**	**2.6**	**1.8**	**0.9**	**0.8**	**0**	**0**

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	1	0	0	0	0	0	0
Indicator value	**2**	**3**	**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	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							-1.20E-08	-2.40E-08
URI (ΔCDF)							-5.80E-07	-5.90E-07
PLE							NO	NO
Indicator value							**-5.92E-07**	**-6.14E-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)							-4.70E-09	-4.70E-09
URI (ΔCDF)							-1.20E-08	-1.20E-08
PLE							NO	NO
Indicator value							**-1.67E-08**	**-1.67E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							-6.80E-09	-6.80E-09
URI (ΔCDF)							-1.70E-08	-1.70E-08
PLE							NO	NO
Indicator value							**-2.38E-08**	**-2.38E-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)							-3.30E-10	-3.30E-10
URI (ΔCDF)							-8.30E-09	-8.30E-09
PLE							NO	NO
Indicator value							**-8.63E-09**	**-8.63E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							-3.60E-06	-3.60E-06
URI (ΔCDF)							-4.00E-09	-4.20E-09
PLE							NO	NO
Indicator value							**-3.60E-06**	**-3.60E-06**

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	0.000005	0.000006	0.000006	0.000006	0.000007	N/A	0.000003	0.000004	0.000004	0.000004	0.000004	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000005	0.000005	0.000009	0.000005	0.000005	0.000004	0.000005	0.000004	0.000005	0.000005	0.000005	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1.570	1.590	1.560	1.620	1.580	1.590	1.600	1.580	1.590	1.590	1.580	1.600
Technical specification limit	25.0	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**	**6.4**	**6.2**	**6.5**	**6.3**	**6.4**	**6.4**	**6.3**	**6.4**	**6.4**	**6.3**	**6.4**
Reactor Coolant System Leakage	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**
Maximum leakage	1.570	1.570	1.570	1.570	1.590	1.580	1.580	1.590	1.570	1.560	1.570	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	**6.3**	**6.3**	**6.3**	**6.3**	**6.4**	**6.3**	**6.3**	**6.4**	**6.3**	**6.2**	**6.3**	**6.5**

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	19.0	12.0	51.0	30.0	10.0	10.0	8.0	18.0
Total opportunities	20.0	12.0	53.0	30.0	11.0	10.0	9.0	20.0
Indicator value	**96.5%**	**96.6%**	**96.8%**	**98.2%**	**97.6%**	**97.6%**	**97.0%**	**95.8%**

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	82.0	91.0	95.0	91.0	94.0	95.0	92.0	91.0
Total Key personnel	82.0	91.0	95.0	91.0	94.0	95.0	92.0	91.0
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	782	894	778	884	880	880	660	880
Total sirens-tests	784	896	784	896	896	896	672	896
Indicator value	**98.9%**	**99.1%**	**99.3%**	**99.3%**	**99.0%**	**98.6%**	**98.3%**	**98.2%**

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

Susquehanna 2

4Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned scrams	0	2.0	0	0	0	0	0	0
Critical hours	1572.0	2003.0	2208.0	2209.0	2160.0	2053.8	2188.9	1832.0
Indicator value	**0**	**1.8**	**1.8**	**1.8**	**1.6**	**0**	**0**	**0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	1572.0	2003.0	2208.0	2209.0	2160.0	2053.8	2188.9	1832.0
Indicator value	**2.6**	**2.6**	**1.8**	**0.9**	**0.8**	**0**	**0**	**0**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						-1.20E-08	-2.40E-08	-2.40E-08
URI (ΔCDF)						-5.80E-07	-5.90E-07	-6.40E-07
PLE						NO	NO	NO
Indicator value						**-5.92E-07**	**-6.14E-07**	**-6.64E-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	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						-4.70E-09	-4.70E-09	-4.70E-09
URI (ΔCDF)						-1.20E-08	-1.20E-08	-1.40E-08
PLE						NO	NO	NO
Indicator value						**-1.67E-08**	**-1.67E-08**	**-1.87E-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)						-6.80E-09	-6.80E-09	-4.80E-09
URI (ΔCDF)						-1.80E-08	-1.80E-08	-1.90E-08
PLE						NO	NO	NO
Indicator value						**-2.48E-08**	**-2.48E-08**	**-2.38E-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)						1.40E-10	4.20E-11	4.50E-10
URI (ΔCDF)						-8.30E-09	-8.30E-09	-8.70E-09
PLE						NO	NO	NO
Indicator value						**-8.16E-09**	**-8.26E-09**	**-8.25E-09**

Licensee Comments:

4Q/06: Changed PRA Parameter(s). Second and third quarter 2006 Mitigating System Performance Index (MSPI) data is revised due to minor changes to the Probabilistic Risk Assessment (PRA) baseline data as a result of incorporating comments from an NRC inspection in late October 2006. There is no safety significance associated with these changes to the PRA data. This revision does not affect the color of the current Performance Indicators nor the previously reported color of these PI'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	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-3.60E-06	-3.60E-06	-3.60E-06
URI (ΔCDF)						-4.00E-09	-4.20E-09	3.30E-10
PLE						NO	NO	NO
Indicator value						**-3.60E-06**	**-3.60E-06**	**-3.60E-06**

Licensee Comments:

4Q/06: Changed PRA Parameter(s). Second and third quarter 2006 Mitigating System Performance Index (MSPI) data is revised due to minor changes to the Probabilistic Risk Assessment (PRA) baseline data as a result of incorporating comments from an NRC inspection in late October 2006. There is no safety significance associated with these changes to the PRA data. This revision does not affect the color of the current Performance Indicators nor the previously reported color of these PI's.

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	0.000006	0.000007	N/A	0.000003	0.000004	0.000004	0.000004	0.000004	0.000005	0.000005	0.000005	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**	**N/A**	**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	0.000005	0.000005	0.000004	0.000005	0.000004	0.000005	0.000005	0.000005	0.000006	0.000006	0.000005	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	1.620	1.580	1.590	1.600	1.580	1.590	1.590	1.580	1.600	1.570	1.570	1.570
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.3**	**6.4**	**6.4**	**6.3**	**6.4**	**6.4**	**6.3**	**6.4**	**6.3**	**6.3**	**6.3**
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	1.570	1.590	1.580	1.580	1.590	1.570	1.560	1.570	1.620	1.570	1.570	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	**6.3**	**6.4**	**6.3**	**6.3**	**6.4**	**6.3**	**6.2**	**6.3**	**6.5**	**6.3**	**6.3**	**6.3**

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	12.0	51.0	30.0	10.0	10.0	8.0	18.0	8.0
Total opportunities	12.0	53.0	30.0	11.0	10.0	9.0	20.0	8.0
Indicator value	**96.6%**	**96.8%**	**98.2%**	**97.6%**	**97.6%**	**97.0%**	**95.8%**	**96.1%**

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	91.0	95.0	91.0	94.0	95.0	92.0	91.0	86.0
Total Key personnel	91.0	95.0	91.0	94.0	95.0	92.0	91.0	87.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.9%**

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	894	778	884	880	880	660	880	882
Total sirens-tests	896	784	896	896	896	672	896	896
Indicator value	**99.1%**	**99.3%**	**99.3%**	**99.0%**	**98.6%**	**98.3%**	**98.2%**	**98.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: February 7, 2007

Susquehanna 2

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	2.0	0	0	0	0	0	0	0
Critical hours	2003.0	2208.0	2209.0	2160.0	2053.8	2188.9	1832.0	1471.7
Indicator value	**1.8**	**1.8**	**1.8**	**1.6**	**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/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	1.0	0	0	0	0	0	0	0
Critical hours	2003.0	2208.0	2209.0	2160.0	2053.8	2188.9	1832.0	1471.7
Indicator value	**2.6**	**1.8**	**0.9**	**0.8**	**0**	**0**	**0**	**0**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					-1.20E-08	-2.40E-08	-2.30E-08	-2.70E-08
URI (ΔCDF)					-5.80E-07	-5.90E-07	-6.40E-07	-6.10E-07
PLE					NO	NO	NO	NO
Indicator value					**-5.92E-07**	**-6.14E-07**	**-6.63E-07**	**-6.37E-07**

Licensee Comments:

1Q/07: Changed PRA Parameter(s). Unit 2 first quarter 2007 Emergency AC Power System data is based on a minor revision to the Mitigating Systems Performance Index (MSPI) Basis Document following an NRC inspection in late October 2006. There is no safety significance associated with this change and there is no effect on the color of the current Performance Indicator nor the previously reported color of this PI.

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

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09
URI (ΔCDF)					-1.20E-08	-1.20E-08	-1.40E-08	-1.40E-08
PLE					NO	NO	NO	NO
Indicator value					**-1.67E-08**	**-1.67E-08**	**-1.87E-08**	**-1.87E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					-6.80E-09	-6.80E-09	-4.80E-09	-4.70E-09
URI (ΔCDF)					-1.80E-08	-1.80E-08	-1.90E-08	-1.90E-08
PLE					NO	NO	NO	NO
Indicator value					**-2.48E-08**	**-2.48E-08**	**-2.38E-08**	**-2.37E-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/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					1.40E-10	4.20E-11	4.50E-10	4.80E-10
URI (ΔCDF)					-8.30E-09	-8.30E-09	-8.70E-09	-8.90E-09
PLE					NO	NO	NO	NO
Indicator value					**-8.16E-09**	**-8.26E-09**	**-8.25E-09**	**-8.42E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					-3.60E-06	-3.60E-06	-3.60E-06	-3.60E-06
URI (ΔCDF)					-4.00E-09	-4.20E-09	3.30E-10	-2.10E-09
PLE					NO	NO	NO	NO
Indicator value					**-3.60E-06**	**-3.60E-06**	**-3.60E-06**	**-3.60E-06**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**
Maximum activity	0.000003	0.000004	0.000004	0.000004	0.000004	0.000005	0.000005	0.000005	0.000009	0.000005	0.000005	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**
Maximum activity	0.000005	0.000004	0.000005	0.000005	0.000005	0.000006	0.000006	0.000005	0.000005	0.000005	0.000005	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**
Maximum leakage	1.600	1.580	1.590	1.590	1.580	1.600	1.570	1.570	1.570	1.570	1.590	1.580
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.3**	**6.4**	**6.4**	**6.3**	**6.4**	**6.3**	**6.3**	**6.3**	**6.3**	**6.4**	**6.3**
Reactor Coolant System Leakage	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**
Maximum leakage	1.580	1.590	1.570	1.560	1.570	1.620	1.570	1.570	1.570	1.580	1.560	0
Technical specification limit	25.0	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**	**6.4**	**6.3**	**6.2**	**6.3**	**6.5**	**6.3**	**6.3**	**6.3**	**6.3**	**6.2**	**0**

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	51.0	30.0	10.0	10.0	8.0	18.0	8.0	8.0
Total opportunities	53.0	30.0	11.0	10.0	9.0	20.0	8.0	8.0
Indicator value	**96.8%**	**98.2%**	**97.6%**	**97.6%**	**97.0%**	**95.8%**	**96.1%**	**96.0%**

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	95.0	91.0	94.0	95.0	92.0	91.0	86.0	80.0
Total Key personnel	95.0	91.0	94.0	95.0	92.0	91.0	87.0	80.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.9%**	**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	778	884	880	880	660	880	882	879
Total sirens-tests	784	896	896	896	672	896	896	896
Indicator value	**99.3%**	**99.3%**	**99.0%**	**98.6%**	**98.3%**	**98.2%**	**98.3%**	**98.2%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/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

Susquehanna 2

2Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2160.0	2053.8	2188.9	1832.0	1471.7	1922.1
Indicator value	**1.8**	**1.8**	**1.6**	**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/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2208.0	2209.0	2160.0	2053.8	2188.9	1832.0	1471.7	1922.1
Indicator value	**1.8**	**0.9**	**0.8**	**0**	**0**	**0**	**0**	**0.9**

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				-1.20E-08	-2.40E-08	-2.30E-08	-2.70E-08	-2.80E-08
URI (ΔCDF)				-5.80E-07	-5.90E-07	-6.40E-07	-6.10E-07	-8.00E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**-5.92E-07**	**-6.14E-07**	**-6.63E-07**	**-6.37E-07**	**-8.28E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09
URI (ΔCDF)				-1.20E-08	-1.20E-08	-1.40E-08	-1.40E-08	-1.40E-08
PLE				NO	NO	NO	NO	NO
Indicator value				**-1.67E-08**	**-1.67E-08**	**-1.87E-08**	**-1.87E-08**	**-1.87E-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)				-6.80E-09	-6.80E-09	-4.80E-09	-4.70E-09	-4.70E-09
URI (ΔCDF)				-1.80E-08	-1.80E-08	-1.90E-08	-1.90E-08	-1.90E-08
PLE				NO	NO	NO	NO	NO
Indicator value				**-2.48E-08**	**-2.48E-08**	**-2.38E-08**	**-2.37E-08**	**-2.37E-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)				1.40E-10	4.20E-11	4.50E-10	4.80E-10	3.00E-10
URI (ΔCDF)				-8.30E-09	-8.30E-09	-8.70E-09	-8.90E-09	-9.00E-09
PLE				NO	NO	NO	NO	NO
Indicator value				**-8.16E-09**	**-8.26E-09**	**-8.25E-09**	**-8.42E-09**	**-8.70E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				-3.60E-06	-3.60E-06	-3.60E-06	-3.60E-06	-3.60E-06
URI (ΔCDF)				-4.00E-09	-4.20E-09	3.30E-10	-2.10E-09	-2.10E-09
PLE				NO	NO	NO	NO	NO
Indicator value				**-3.60E-06**	**-3.60E-06**	**-3.60E-06**	**-3.60E-06**	**-3.60E-06**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**
Maximum activity	0.000004	0.000004	0.000005	0.000005	0.000005	0.000009	0.000005	0.000005	0.000004	0.000005	0.000004	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**
Maximum activity	0.000005	0.000005	0.000006	0.000006	0.000005	0.000005	0.000005	0.000005	0.000004	0.000001	0.000002	0.000002
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**
Maximum leakage	1.590	1.580	1.600	1.570	1.570	1.570	1.570	1.590	1.580	1.580	1.590	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**	**6.3**	**6.4**	**6.3**	**6.3**	**6.3**	**6.3**	**6.4**	**6.3**	**6.3**	**6.4**	**6.3**
Reactor Coolant System Leakage	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**
Maximum leakage	1.560	1.570	1.620	1.570	1.570	1.570	1.580	1.560	0	1.580	1.590	1.580
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.2**	**6.3**	**6.5**	**6.3**	**6.3**	**6.3**	**6.3**	**6.2**	**0**	**6.3**	**6.4**	**6.3**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful opportunities	30.0	10.0	10.0	8.0	18.0	8.0	8.0	35.0
Total opportunities	30.0	11.0	10.0	9.0	20.0	8.0	8.0	36.0
Indicator value	**98.2%**	**97.6%**	**97.6%**	**97.0%**	**95.8%**	**96.1%**	**96.0%**	**96.2%**

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	91.0	94.0	95.0	92.0	91.0	86.0	80.0	76.0
Total Key personnel	91.0	94.0	95.0	92.0	91.0	87.0	80.0	77.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.9%**	**100.0%**	**98.7%**

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	884	880	880	660	880	882	879	765
Total sirens-tests	896	896	896	672	896	896	896	784
Indicator value	**99.3%**	**99.0%**	**98.6%**	**98.3%**	**98.2%**	**98.3%**	**98.2%**	**98.1%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/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

Susquehanna 2

3Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2160.0	2053.8	2188.9	1832.0	1471.7	1922.1	2208.0
Indicator value	**1.8**	**1.6**	**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/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2209.0	2160.0	2053.8	2188.9	1832.0	1471.7	1922.1	2208.0
Indicator value	**0.9**	**0.8**	**0**	**0**	**0**	**0**	**0.9**	**0.9**

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			-1.20E-08	-2.40E-08	-2.30E-08	-2.70E-08	-2.80E-08	-2.80E-08
URI (ΔCDF)			-5.80E-07	-5.90E-07	-6.40E-07	-6.10E-07	-8.00E-07	-9.60E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-5.92E-07**	**-6.14E-07**	**-6.63E-07**	**-6.37E-07**	**-8.28E-07**	**-9.88E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09
URI (ΔCDF)			-1.20E-08	-1.20E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-1.67E-08**	**-1.67E-08**	**-1.87E-08**	**-1.87E-08**	**-1.87E-08**	**-1.87E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			-6.80E-09	-6.80E-09	-4.80E-09	-4.70E-09	-4.70E-09	-4.70E-09
URI (ΔCDF)			-1.80E-08	-1.80E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.80E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-2.48E-08**	**-2.48E-08**	**-2.38E-08**	**-2.37E-08**	**-2.37E-08**	**-2.27E-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)			1.40E-10	4.20E-11	4.50E-10	4.80E-10	3.00E-10	2.00E-10
URI (ΔCDF)			-8.30E-09	-8.30E-09	-8.70E-09	-8.90E-09	-9.00E-09	-9.10E-09
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-8.16E-09**	**-8.26E-09**	**-8.25E-09**	**-8.42E-09**	**-8.70E-09**	**-8.90E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			5.90E-10	6.40E-10	6.50E-10	6.70E-10	8.30E-10	8.60E-10
URI (ΔCDF)			-4.00E-09	-4.20E-09	3.30E-10	-2.10E-09	-2.10E-09	-2.20E-09
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-3.41E-09**	**-3.56E-09**	**9.80E-10**	**-1.43E-09**	**-1.27E-09**	**-1.34E-09**

Licensee Comments:

3Q/07: Changed PRA Parameter(s). Previously reported data (since 2nd Qtr 2006) for the Units 1 and 2 MS10 Performance Index is revised due to two minor errors that occurred in 2005 during baseline data submittal to CDE via the MSPI calculator. There is no safety significance associated with these errors and they do not affect the color of the current Performance Indicators nor the previously reported color of this PI.

2Q/07: Changed PRA Parameter(s).

1Q/07: Changed PRA Parameter(s).

4Q/06: Changed PRA Parameter(s). Second and third quarter 2006 Mitigating System Performance Index (MSPI) data is revised due to minor changes to the Probabilistic Risk Assessment (PRA) baseline data as a result of incorporating comments from an NRC inspection in late October 2006. There is no safety significance associated with these changes to the PRA data. This revision does not affect the color of the current Performance Indicators nor the previously reported color of these PI'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	**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	0.000005	0.000005	0.000009	0.000005	0.000005	0.000004	0.000005	0.000004	0.000005	0.000005	0.000005	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**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	0.000006	0.000005	0.000005	0.000005	0.000005	0.000004	0.000001	0.000002	0.000002	0.000002	0.000002	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1.570	1.570	1.570	1.570	1.590	1.580	1.580	1.590	1.570	1.560	1.570	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	**6.3**	**6.3**	**6.3**	**6.3**	**6.4**	**6.3**	**6.3**	**6.4**	**6.3**	**6.2**	**6.3**	**6.5**
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	1.570	1.570	1.570	1.580	1.560	0	1.580	1.590	1.580	1.580	1.580	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	**6.3**	**6.3**	**6.3**	**6.3**	**6.2**	**0**	**6.3**	**6.4**	**6.3**	**6.3**	**6.3**	**6.3**

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	10.0	10.0	8.0	18.0	8.0	8.0	35.0	16.0
Total opportunities	11.0	10.0	9.0	20.0	8.0	8.0	36.0	16.0
Indicator value	**97.6%**	**97.6%**	**97.0%**	**95.8%**	**96.1%**	**96.0%**	**96.2%**	**95.8%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Participating Key personnel	94.0	95.0	92.0	91.0	86.0	80.0	76.0	73.0
Total Key personnel	94.0	95.0	92.0	91.0	87.0	80.0	77.0	75.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.9%**	**100.0%**	**98.7%**	**97.3%**

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	880	880	660	880	882	879	765	970
Total sirens-tests	896	896	672	896	896	896	784	1008
Indicator value	**99.0%**	**98.6%**	**98.3%**	**98.2%**	**98.3%**	**98.2%**	**98.1%**	**97.5%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/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

Susquehanna 2

4Q/2007 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2160.0	2053.8	2188.9	1832.0	1471.7	1922.1	2208.0	2209.0
Indicator value	**1.6**	**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/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2160.0	2053.8	2188.9	1832.0	1471.7	1922.1	2208.0	2209.0
Indicator value	**0.8**	**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	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	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		-1.20E-08	-2.40E-08	-2.30E-08	-2.70E-08	-2.80E-08	-2.80E-08	-3.00E-08
URI (ΔCDF)		-5.80E-07	-5.90E-07	-6.40E-07	-6.10E-07	-8.00E-07	-9.60E-07	-9.40E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-5.92E-07**	**-6.14E-07**	**-6.63E-07**	**-6.37E-07**	**-8.28E-07**	**-9.88E-07**	**-9.70E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09
URI (ΔCDF)		-1.20E-08	-1.20E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-1.67E-08**	**-1.67E-08**	**-1.87E-08**	**-1.87E-08**	**-1.87E-08**	**-1.87E-08**	**-1.87E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		-6.80E-09	-6.80E-09	-4.80E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09
URI (ΔCDF)		-1.80E-08	-1.80E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.80E-08	-1.80E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-2.48E-08**	**-2.48E-08**	**-2.38E-08**	**-2.37E-08**	**-2.37E-08**	**-2.27E-08**	**-2.27E-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)		1.40E-10	4.20E-11	4.50E-10	4.80E-10	3.00E-10	2.00E-10	1.40E-10
URI (ΔCDF)		-8.30E-09	-8.30E-09	-8.70E-09	-8.90E-09	-9.00E-09	-9.10E-09	-9.00E-09
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-8.16E-09**	**-8.26E-09**	**-8.25E-09**	**-8.42E-09**	**-8.70E-09**	**-8.90E-09**	**-8.86E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		5.90E-10	6.40E-10	6.50E-10	6.70E-10	8.30E-10	8.60E-10	8.60E-10
URI (ΔCDF)		-4.00E-09	-4.20E-09	3.30E-10	-2.10E-09	-2.10E-09	-2.20E-09	-2.30E-09
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-3.41E-09**	**-3.56E-09**	**9.80E-10**	**-1.43E-09**	**-1.27E-09**	**-1.34E-09**	**-1.44E-09**

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	0.000005	0.000005	0.000004	0.000005	0.000004	0.000005	0.000005	0.000005	0.000006	0.000006	0.000005	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**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	0.000005	0.000005	0.000004	0.000001	0.000002	0.000002	0.000002	0.000002	0.000006	0.000006	0.000007	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**
Maximum leakage	1.570	1.590	1.580	1.580	1.590	1.570	1.560	1.570	1.620	1.570	1.570	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	**6.3**	**6.4**	**6.3**	**6.3**	**6.4**	**6.3**	**6.2**	**6.3**	**6.5**	**6.3**	**6.3**	**6.3**
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	1.580	1.560	0	1.580	1.590	1.580	1.580	1.580	1.570	1.560	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	**6.3**	**6.2**	**0**	**6.3**	**6.4**	**6.3**	**6.3**	**6.3**	**6.3**	**6.2**	**6.2**	**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	10.0	8.0	18.0	8.0	8.0	35.0	16.0	13.0
Total opportunities	10.0	9.0	20.0	8.0	8.0	36.0	16.0	13.0
Indicator value	**97.6%**	**97.0%**	**95.8%**	**96.1%**	**96.0%**	**96.2%**	**95.8%**	**96.7%**

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	95.0	92.0	91.0	86.0	80.0	76.0	73.0	71.0
Total Key personnel	95.0	92.0	91.0	87.0	80.0	77.0	75.0	75.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**98.9%**	**100.0%**	**98.7%**	**97.3%**	**94.7%**

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	880	660	880	882	879	765	970	736
Total sirens-tests	896	672	896	896	896	784	1008	748
Indicator value	**98.6%**	**98.3%**	**98.2%**	**98.3%**	**98.2%**	**98.1%**	**97.5%**	**97.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/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

Susquehanna 2

1Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2053.8	2188.9	1832.0	1471.7	1922.1	2208.0	2209.0	2183.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2053.8	2188.9	1832.0	1471.7	1922.1	2208.0	2209.0	2183.0
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	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Scrams with complications			0	0	0	0	0	0
Indicator value						**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**
UAI (ΔCDF)	-1.20E-08	-2.40E-08	-2.30E-08	-2.70E-08	-2.80E-08	-2.80E-08	-3.00E-08	-3.70E-08
URI (ΔCDF)	-5.80E-07	-5.90E-07	-6.40E-07	-6.10E-07	-8.00E-07	-9.60E-07	-9.40E-07	-1.40E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.92E-07**	**-6.14E-07**	**-6.63E-07**	**-6.37E-07**	**-8.28E-07**	**-9.88E-07**	**-9.70E-07**	**-1.44E-06**

Licensee Comments:

1Q/08: Changed PRA Parameter(s). PRA parameters have been changed based on Revision 4 of the MSPI Basis Document. There is no safety significance associated with these changes. There are no changes to the color of the current PI nor the previously reported color of this PI.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-5.10E-09
URI (ΔCDF)	-1.20E-08	-1.20E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08	-8.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.67E-08**	**-1.67E-08**	**-1.87E-08**	**-1.87E-08**	**-1.87E-08**	**-1.87E-08**	**-1.87E-08**	**-1.36E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**
UAI (ΔCDF)	-6.80E-09	-6.80E-09	-4.80E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-7.40E-09
URI (ΔCDF)	-1.80E-08	-1.80E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.80E-08	-1.80E-08	-1.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.48E-08**	**-2.48E-08**	**-2.38E-08**	**-2.37E-08**	**-2.37E-08**	**-2.27E-08**	**-2.27E-08**	**-2.24E-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/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**
UAI (ΔCDF)	1.40E-10	4.20E-11	4.50E-10	4.80E-10	3.00E-10	2.00E-10	1.40E-10	-8.20E-10
URI (ΔCDF)	-8.30E-09	-8.30E-09	-8.70E-09	-8.90E-09	-9.00E-09	-9.10E-09	-9.00E-09	-1.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.16E-09**	**-8.26E-09**	**-8.25E-09**	**-8.42E-09**	**-8.70E-09**	**-8.90E-09**	**-8.86E-09**	**-1.58E-08**

Licensee Comments:

1Q/08: Changed PRA Parameter(s). PRA parameters have been changed based on Revision 4 of the MSPI Basis Document. There is no safety significance associated with these changes. There are no changes to the color of the current PI nor the previously reported color of this PI.

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	5.90E-10	6.40E-10	6.50E-10	6.70E-10	8.30E-10	8.60E-10	8.60E-10	9.50E-08
URI (ΔCDF)	-4.00E-09	-4.20E-09	3.30E-10	-2.10E-09	-2.10E-09	-2.20E-09	-2.30E-09	-5.80E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.41E-09**	**-3.56E-09**	**9.80E-10**	**-1.43E-09**	**-1.27E-09**	**-1.34E-09**	**-1.44E-09**	**8.92E-08**

Licensee Comments:

1Q/08: Changed PRA Parameter(s). PRA parameters have been changed based on Revision 4 of the MSPI Basis Document. There is no safety significance associated with these changes. There are no changes to the color of the current PI nor the previously reported color of this PI.

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	0.000005	0.000004	0.000005	0.000005	0.000005	0.000006	0.000006	0.000005	0.000005	0.000005	0.000005	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**
Maximum activity	0.000001	0.000002	0.000002	0.000002	0.000002	0.000006	0.000006	0.000007	0.000007	0.000007	0.000007	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum leakage	1.580	1.590	1.570	1.560	1.570	1.620	1.570	1.570	1.570	1.580	1.560	0
Technical specification limit	25.0	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**	**6.4**	**6.3**	**6.2**	**6.3**	**6.5**	**6.3**	**6.3**	**6.3**	**6.3**	**6.2**	**0**

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	1.580	1.590	1.580	1.580	1.580	1.570	1.560	1.550	1.550	1.560	1.550	1.580
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.3**	**6.4**	**6.3**	**6.3**	**6.3**	**6.3**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.3**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful opportunities	8.0	18.0	8.0	8.0	35.0	16.0	13.0	17.0
Total opportunities	9.0	20.0	8.0	8.0	36.0	16.0	13.0	18.0
Indicator value	**97.0%**	**95.8%**	**96.1%**	**96.0%**	**96.2%**	**95.8%**	**96.7%**	**96.1%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Participating Key personnel	92.0	91.0	86.0	80.0	76.0	73.0	71.0	72.0
Total Key personnel	92.0	91.0	87.0	80.0	77.0	75.0	75.0	72.0
Indicator value	**100.0%**	**100.0%**	**98.9%**	**100.0%**	**98.7%**	**97.3%**	**94.7%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful siren-tests	660	880	882	879	765	970	736	883
Total sirens-tests	672	896	896	896	784	1008	748	896
Indicator value	**98.3%**	**98.2%**	**98.3%**	**98.2%**	**98.1%**	**97.5%**	**97.5%**	**97.6%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Physical Protection information not publicly available.

Last Modified: April 30, 2008

Susquehanna 2

2Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2188.9	1832.0	1471.7	1922.1	2208.0	2209.0	2183.0	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/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	2188.9	1832.0	1471.7	1922.1	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

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	-2.40E-08	-2.30E-08	-2.70E-08	-2.80E-08	-2.80E-08	-3.00E-08	-3.70E-08	-3.50E-08
URI (ΔCDF)	-5.90E-07	-6.40E-07	-6.10E-07	-8.00E-07	-9.60E-07	-9.40E-07	-1.40E-06	-5.40E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.14E-07**	**-6.63E-07**	**-6.37E-07**	**-8.28E-07**	**-9.88E-07**	**-9.70E-07**	**-1.44E-06**	**-5.44E-06**

Licensee Comments:

2Q/08: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-5.10E-09	-5.10E-09
URI (ΔCDF)	-1.20E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08	-8.50E-09	-8.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.67E-08**	**-1.87E-08**	**-1.87E-08**	**-1.87E-08**	**-1.87E-08**	**-1.87E-08**	**-1.36E-08**	**-1.36E-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)	-6.80E-09	-4.80E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-7.40E-09	-7.40E-09
URI (ΔCDF)	-1.80E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.80E-08	-1.80E-08	-1.50E-08	-1.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.48E-08**	**-2.38E-08**	**-2.37E-08**	**-2.37E-08**	**-2.27E-08**	**-2.27E-08**	**-2.24E-08**	**-2.24E-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)	4.20E-11	4.50E-10	4.80E-10	3.00E-10	2.00E-10	1.40E-10	-8.20E-10	-9.00E-10
URI (ΔCDF)	-8.30E-09	-8.70E-09	-8.90E-09	-9.00E-09	-9.10E-09	-9.00E-09	-1.50E-08	-1.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.26E-09**	**-8.25E-09**	**-8.42E-09**	**-8.70E-09**	**-8.90E-09**	**-8.86E-09**	**-1.58E-08**	**-1.59E-08**

Licensee Comments:

2Q/08: 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/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	6.40E-10	6.50E-10	6.70E-10	8.30E-10	8.60E-10	8.60E-10	9.50E-08	6.00E-08
URI (ΔCDF)	-4.20E-09	3.30E-10	-2.10E-09	-2.10E-09	-2.20E-09	-2.30E-09	-5.80E-09	-6.00E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.56E-09**	**9.80E-10**	**-1.43E-09**	**-1.27E-09**	**-1.34E-09**	**-1.44E-09**	**8.92E-08**	**5.40E-08**

Licensee Comments:

2Q/08: Changed PRA Parameter(s).

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	0.000005	0.000005	0.000006	0.000006	0.000005	0.000005	0.000005	0.000005	0.000004	0.000001	0.000002	0.000002
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**
Maximum activity	0.000002	0.000002	0.000006	0.000006	0.000007	0.000007	0.000007	0.000007	0.000007	0.000008	0.000008	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1.560	1.570	1.620	1.570	1.570	1.570	1.580	1.560	0	1.580	1.590	1.580
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.2**	**6.3**	**6.5**	**6.3**	**6.3**	**6.3**	**6.3**	**6.2**	**0**	**6.3**	**6.4**	**6.3**

Reactor Coolant System Leakage	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum leakage	1.580	1.580	1.570	1.560	1.550	1.550	1.560	1.550	1.580	1.550	1.550	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	**6.3**	**6.3**	**6.3**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.3**	**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	18.0	8.0	8.0	35.0	16.0	13.0	17.0	18.0
Total opportunities	20.0	8.0	8.0	36.0	16.0	13.0	18.0	18.0
Indicator value	**95.8%**	**96.1%**	**96.0%**	**96.2%**	**95.8%**	**96.7%**	**96.1%**	**97.1%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Participating Key personnel	91.0	86.0	80.0	76.0	73.0	71.0	72.0	74.0
Total Key personnel	91.0	87.0	80.0	77.0	75.0	75.0	72.0	74.0
Indicator value	**100.0%**	**98.9%**	**100.0%**	**98.7%**	**97.3%**	**94.7%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful siren-tests	880	882	879	765	970	736	883	777
Total sirens-tests	896	896	896	784	1008	748	896	784
Indicator value	**98.2%**	**98.3%**	**98.2%**	**98.1%**	**97.5%**	**97.5%**	**97.6%**	**98.0%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/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.

Susquehanna 2

3Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1832.0	1471.7	1922.1	2208.0	2209.0	2183.0	2184.0	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	1832.0	1471.7	1922.1	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

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	-2.30E-08	-2.70E-08	-2.80E-08	-2.80E-08	-3.00E-08	-3.70E-08	-3.50E-08	-2.90E-08
URI (ΔCDF)	-6.80E-07	-6.40E-07	-7.90E-07	-9.40E-07	-9.30E-07	-1.30E-06	-5.40E-06	-5.40E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.03E-07**	**-6.67E-07**	**-8.18E-07**	**-9.68E-07**	**-9.60E-07**	**-1.34E-06**	**-5.44E-06**	**-5.43E-06**

Licensee Comments:

1Q/08: PRA parameters have been changed based on Revision 4 of the MSPI Basis Document. There is no safety significance associated with these changes. There are no changes to the color of the current PI nor the previously reported color of this PI.

1Q/07: Unit 2 first quarter 2007 Emergency AC Power System data is based on a minor revision to the Mitigating Systems Performance Index (MSPI) Basis Document following an NRC inspection in late October 2006. There is no safety significance associated with this change and there is no effect on the color of the current Performance Indicator nor the previously reported color of this PI.

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)	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-5.10E-09	-5.10E-09	-5.10E-09
URI (ΔCDF)	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08	-8.50E-09	-8.50E-09	-8.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.87E-08**	**-1.87E-08**	**-1.87E-08**	**-1.87E-08**	**-1.87E-08**	**-1.36E-08**	**-1.36E-08**	**-1.36E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	-4.80E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-7.40E-09	-7.40E-09	-7.40E-09
URI (ΔCDF)	-1.90E-08	-1.90E-08	-1.90E-08	-1.80E-08	-1.80E-08	-1.50E-08	-1.50E-08	-1.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.38E-08**	**-2.37E-08**	**-2.37E-08**	**-2.27E-08**	**-2.27E-08**	**-2.24E-08**	**-2.24E-08**	**-2.24E-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)	4.50E-10	4.80E-10	3.00E-10	2.00E-10	1.40E-10	-8.20E-10	-9.00E-10	-7.40E-10
URI (ΔCDF)	-8.70E-09	-8.90E-09	-9.00E-09	-9.10E-09	-9.00E-09	-1.50E-08	-1.50E-08	-1.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.25E-09**	**-8.42E-09**	**-8.70E-09**	**-8.90E-09**	**-8.86E-09**	**-1.58E-08**	**-1.59E-08**	**-1.57E-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/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	6.50E-10	6.70E-10	8.30E-10	8.60E-10	8.60E-10	9.50E-08	6.00E-08	8.00E-08
URI (ΔCDF)	3.30E-10	-2.10E-09	-2.10E-09	-2.20E-09	-2.30E-09	-5.80E-09	-6.00E-09	-1.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.80E-10**	**-1.43E-09**	**-1.27E-09**	**-1.34E-09**	**-1.44E-09**	**8.92E-08**	**5.40E-08**	**6.60E-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	0.000006	0.000005	0.000005	0.000005	0.000005	0.000004	0.000001	0.000002	0.000002	0.000002	0.000002	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**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	0.000006	0.000007	0.000007	0.000007	0.000007	0.000007	0.000008	0.000008	0.000007	0.000007	0.000007	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1.570	1.570	1.570	1.580	1.560	0	1.580	1.590	1.580	1.580	1.580	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	**6.3**	**6.3**	**6.3**	**6.3**	**6.2**	**0**	**6.3**	**6.4**	**6.3**	**6.3**	**6.3**	**6.3**

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	1.560	1.550	1.550	1.560	1.550	1.580	1.550	1.550	1.540	1.550	1.560	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	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.3**	**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	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful opportunities	8.0	8.0	35.0	16.0	13.0	17.0	18.0	25.0
Total opportunities	8.0	8.0	36.0	16.0	13.0	18.0	18.0	25.0
Indicator value	**96.1%**	**96.0%**	**96.2%**	**95.8%**	**96.7%**	**96.1%**	**97.1%**	**98.6%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Participating Key personnel	86.0	80.0	76.0	73.0	71.0	72.0	74.0	72.0
Total Key personnel	87.0	80.0	77.0	75.0	75.0	72.0	74.0	72.0
Indicator value	**98.9%**	**100.0%**	**98.7%**	**97.3%**	**94.7%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful siren-tests	882	879	765	970	736	883	777	994
Total sirens-tests	896	896	784	1008	748	896	784	1008
Indicator value	**98.3%**	**98.2%**	**98.1%**	**97.5%**	**97.5%**	**97.6%**	**98.0%**	**98.7%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/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

Susquehanna 2

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	1471.7	1922.1	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

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	1.0	0	0	0	0	0	2.0
Critical hours	1471.7	1922.1	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**	**1.6**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	-2.70E-08	-2.80E-08	-2.80E-08	-3.00E-08	-3.70E-08	-3.50E-08	-2.90E-08	-3.30E-08
URI (ΔCDF)	-6.40E-07	-7.90E-07	-9.40E-07	-9.30E-07	-1.30E-06	-5.40E-06	-5.40E-06	-6.20E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.67E-07**	**-8.18E-07**	**-9.68E-07**	**-9.60E-07**	**-1.34E-06**	**-5.44E-06**	**-5.43E-06**	**-6.23E-06**

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)	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09
URI (ΔCDF)	-1.40E-08	-1.40E-08	-1.40E-08	-1.40E-08	-8.50E-09	-8.50E-09	-8.50E-09	-8.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.87E-08**	**-1.87E-08**	**-1.87E-08**	**-1.87E-08**	**-1.36E-08**	**-1.36E-08**	**-1.36E-08**	**-1.36E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-7.40E-09	-7.40E-09	-7.40E-09	-7.10E-09
URI (ΔCDF)	-1.90E-08	-1.90E-08	-1.80E-08	-1.80E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.37E-08**	**-2.37E-08**	**-2.27E-08**	**-2.27E-08**	**-2.24E-08**	**-2.24E-08**	**-2.24E-08**	**-2.21E-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)	4.80E-10	3.00E-10	2.00E-10	1.40E-10	-8.20E-10	-9.00E-10	-7.40E-10	-6.50E-10
URI (ΔCDF)	-8.90E-09	-9.00E-09	-9.10E-09	-9.00E-09	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.42E-09**	**-8.70E-09**	**-8.90E-09**	**-8.86E-09**	**-1.58E-08**	**-1.59E-08**	**-1.57E-08**	**-1.57E-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/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	6.70E-10	8.30E-10	8.60E-10	8.60E-10	9.50E-08	6.00E-08	8.00E-08	7.40E-08
URI (ΔCDF)	-2.10E-09	-2.10E-09	-2.20E-09	-2.30E-09	-5.80E-09	-6.00E-09	-1.40E-08	-1.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.43E-09**	**-1.27E-09**	**-1.34E-09**	**-1.44E-09**	**8.92E-08**	**5.40E-08**	**6.60E-08**	**6.10E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**
Maximum activity	0.000005	0.000005	0.000004	0.000001	0.000002	0.000002	0.000002	0.000002	0.000006	0.000006	0.000007	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**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	0.000007	0.000007	0.000007	0.000008	0.000008	0.000007	0.000007	0.000007	0.000007	0.000008	0.000008	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	1.580	1.560	0	1.580	1.590	1.580	1.580	1.580	1.570	1.560	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	**6.3**	**6.2**	**0**	**6.3**	**6.4**	**6.3**	**6.3**	**6.3**	**6.3**	**6.2**	**6.2**	**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	1.550	1.580	1.550	1.550	1.540	1.550	1.560	1.560	1.540	1.540	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	**6.2**	**6.2**	**6.3**	**6.2**	**6.2**	**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	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful opportunities	8.0	35.0	16.0	13.0	17.0	18.0	25.0	20.0
Total opportunities	8.0	36.0	16.0	13.0	18.0	18.0	25.0	23.0
Indicator value	**96.0%**	**96.2%**	**95.8%**	**96.7%**	**96.1%**	**97.1%**	**98.6%**	**96.8%**

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	80.0	76.0	73.0	71.0	72.0	74.0	72.0	71.0
Total Key personnel	80.0	77.0	75.0	75.0	72.0	74.0	72.0	71.0
Indicator value	**100.0%**	**98.7%**	**97.3%**	**94.7%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful siren-tests	879	765	970	736	883	777	994	786
Total sirens-tests	896	784	1008	748	896	784	1008	788
Indicator value	**98.2%**	**98.1%**	**97.5%**	**97.5%**	**97.6%**	**98.0%**	**98.7%**	**99.0%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Susquehanna 2

1Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1922.1	2208.0	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

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	1.0	0	0	0	0	0	2.0	0
Critical hours	1922.1	2208.0	2209.0	2183.0	2184.0	2208.0	2209.0	2159.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**0**	**0**	**1.6**	**1.6**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Safety System Functional Failures	0	0	0	1	0	0	0	0
Indicator value	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**
UAI (ΔCDF)	-2.80E-08	-2.80E-08	-3.00E-08	-3.70E-08	-3.50E-08	-2.90E-08	-3.30E-08	-3.70E-08
URI (ΔCDF)	-7.90E-07	-9.40E-07	-9.30E-07	-1.30E-06	-5.40E-06	-5.40E-06	-6.20E-06	-6.20E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.18E-07**	**-9.68E-07**	**-9.60E-07**	**-1.34E-06**	**-5.44E-06**	**-5.43E-06**	**-6.23E-06**	**-6.24E-06**

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)	-4.70E-09	-4.70E-09	-4.70E-09	-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09
URI (ΔCDF)	-1.40E-08	-1.40E-08	-1.40E-08	-8.50E-09	-8.50E-09	-8.50E-09	-8.50E-09	-8.60E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.87E-08**	**-1.87E-08**	**-1.87E-08**	**-1.36E-08**	**-1.36E-08**	**-1.36E-08**	**-1.36E-08**	**-1.37E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**
UAI (ΔCDF)	-4.70E-09	-4.70E-09	-4.70E-09	-7.40E-09	-7.40E-09	-7.40E-09	-7.10E-09	-7.10E-09
URI (ΔCDF)	-1.90E-08	-1.80E-08	-1.80E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.37E-08**	**-2.27E-08**	**-2.27E-08**	**-2.24E-08**	**-2.24E-08**	**-2.24E-08**	**-2.21E-08**	**-2.21E-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)	3.00E-10	2.00E-10	1.40E-10	-8.20E-10	-9.00E-10	-7.40E-10	-6.50E-10	-5.80E-10
URI (ΔCDF)	-9.00E-09	-9.10E-09	-9.00E-09	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.70E-09**	**-8.90E-09**	**-8.86E-09**	**-1.58E-08**	**-1.59E-08**	**-1.57E-08**	**-1.57E-08**	**-1.56E-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)	8.30E-10	8.60E-10	8.60E-10	9.50E-08	6.00E-08	8.00E-08	7.40E-08	7.40E-08
URI (ΔCDF)	-2.10E-09	-2.20E-09	-2.30E-09	-5.80E-09	-6.00E-09	-1.40E-08	-1.30E-08	-1.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.27E-09**	**-1.34E-09**	**-1.44E-09**	**8.92E-08**	**5.40E-08**	**6.60E-08**	**6.10E-08**	**6.10E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**
Maximum activity	0.000001	0.000002	0.000002	0.000002	0.000002	0.000006	0.000006	0.000007	0.000007	0.000007	0.000007	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**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	0.000008	0.000008	0.000007	0.000007	0.000007	0.000007	0.000008	0.000008	0.000008	0.000009	0.000008	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**
Maximum leakage	1.580	1.590	1.580	1.580	1.580	1.570	1.560	1.550	1.550	1.560	1.550	1.580
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.3**	**6.4**	**6.3**	**6.3**	**6.3**	**6.3**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.3**
Reactor Coolant System Leakage	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**
Maximum leakage	1.550	1.550	1.540	1.550	1.560	1.560	1.540	1.540	1.540	1.540	1.610	1.530
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.4**	**6.1**

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	35.0	16.0	13.0	17.0	18.0	25.0	20.0	9.0
Total opportunities	36.0	16.0	13.0	18.0	18.0	25.0	23.0	13.0
Indicator value	**96.2%**	**95.8%**	**96.7%**	**96.1%**	**97.1%**	**98.6%**	**96.8%**	**94.4%**

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	76.0	73.0	71.0	72.0	74.0	72.0	71.0	68.0
Total Key personnel	77.0	75.0	75.0	72.0	74.0	72.0	71.0	68.0
Indicator value	**98.7%**	**97.3%**	**94.7%**	**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/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful siren-tests	765	970	736	883	777	994	786	532
Total sirens-tests	784	1008	748	896	784	1008	788	532
Indicator value	**98.1%**	**97.5%**	**97.5%**	**97.6%**	**98.0%**	**98.7%**	**99.0%**	**99.3%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Susquehanna 2

2Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	2208.0	2209.0	2159.0	1260.1
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/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned power changes	0	0	0	0	0	2.0	0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	2208.0	2209.0	2159.0	1260.1
Indicator value	**0.9**	**0.9**	**0.8**	**0**	**0**	**1.6**	**1.6**	**1.8**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Safety System Functional Failures	0	0	1	0	0	0	0	0
Indicator value	**0**	**0**	**1**	**1**	**1**	**1**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**
UAI (ΔCDF)	-2.80E-08	-3.00E-08	-3.70E-08	-3.50E-08	-2.90E-08	-3.30E-08	-3.70E-08	-4.00E-08
URI (ΔCDF)	-9.40E-07	-9.30E-07	-1.30E-06	-5.40E-06	-5.40E-06	-6.20E-06	-6.20E-06	-6.20E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.68E-07**	**-9.60E-07**	**-1.34E-06**	**-5.44E-06**	**-5.43E-06**	**-6.23E-06**	**-6.24E-06**	**-6.24E-06**

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)	-4.70E-09	-4.70E-09	-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09	-4.50E-09
URI (ΔCDF)	-1.40E-08	-1.40E-08	-8.50E-09	-8.50E-09	-8.50E-09	-8.50E-09	-8.60E-09	-8.00E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.87E-08**	**-1.87E-08**	**-1.36E-08**	**-1.36E-08**	**-1.36E-08**	**-1.36E-08**	**-1.37E-08**	**-1.25E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-4.70E-09	-4.70E-09	-7.40E-09	-7.40E-09	-7.40E-09	-7.10E-09	-7.10E-09	-7.00E-09
URI (ΔCDF)	-1.80E-08	-1.80E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.27E-08**	**-2.27E-08**	**-2.24E-08**	**-2.24E-08**	**-2.24E-08**	**-2.21E-08**	**-2.21E-08**	**-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/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	2.00E-10	1.40E-10	-8.20E-10	-9.00E-10	-7.40E-10	-6.50E-10	-5.80E-10	-5.50E-10
URI (ΔCDF)	-9.10E-09	-9.00E-09	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.90E-09**	**-8.86E-09**	**-1.58E-08**	**-1.59E-08**	**-1.57E-08**	**-1.57E-08**	**-1.56E-08**	**-1.66E-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)	8.60E-10	8.60E-10	9.50E-08	6.00E-08	8.00E-08	7.40E-08	7.40E-08	6.90E-08
URI (ΔCDF)	-2.20E-09	-2.30E-09	-5.80E-09	-6.00E-09	-1.40E-08	-1.30E-08	-1.30E-08	-2.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.34E-09**	**-1.44E-09**	**8.92E-08**	**5.40E-08**	**6.60E-08**	**6.10E-08**	**6.10E-08**	**4.70E-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	0.000002	0.000002	0.000006	0.000006	0.000007	0.000007	0.000007	0.000007	0.000007	0.000008	0.000008	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**
Maximum activity	0.000007	0.000007	0.000007	0.000008	0.000008	0.000008	0.000009	0.000008	0.000010	0.000009	0.000005	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**
Maximum leakage	1.580	1.580	1.570	1.560	1.550	1.550	1.560	1.550	1.580	1.550	1.550	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	**6.3**	**6.3**	**6.3**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.3**	**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	1.550	1.560	1.560	1.540	1.540	1.540	1.540	1.610	1.530	1.480	1.500	1.500
Technical specification limit	25.0	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**	**6.2**	**6.4**	**6.1**	**5.9**	**6.0**	**6.0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful opportunities	16.0	13.0	17.0	18.0	25.0	20.0	9.0	19.0
Total opportunities	16.0	13.0	18.0	18.0	25.0	23.0	13.0	20.0
Indicator value	**95.8%**	**96.7%**	**96.1%**	**97.1%**	**98.6%**	**96.8%**	**94.4%**	**93.8%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Participating Key personnel	73.0	71.0	72.0	74.0	72.0	71.0	68.0	69.0
Total Key personnel	75.0	75.0	72.0	74.0	72.0	71.0	68.0	69.0
Indicator value	**97.3%**	**94.7%**	**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/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful siren-tests	970	736	883	777	994	786	532	603
Total sirens-tests	1008	748	896	784	1008	788	532	608
Indicator value	**97.5%**	**97.5%**	**97.6%**	**98.0%**	**98.7%**	**99.0%**	**99.3%**	**99.3%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Susquehanna 2

3Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2183.0	2184.0	2208.0	2209.0	2159.0	1260.1	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned power changes	0	0	0	0	2.0	0	0	0
Critical hours	2209.0	2183.0	2184.0	2208.0	2209.0	2159.0	1260.1	2208.0
Indicator value	**0.9**	**0.8**	**0**	**0**	**1.6**	**1.6**	**1.8**	**1.8**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Safety System Functional Failures	0	1	0	0	0	0	0	0
Indicator value	**0**	**1**	**1**	**1**	**1**	**0**	**0**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	-3.00E-08	-3.70E-08	-3.50E-08	-2.90E-08	-3.30E-08	-3.70E-08	-4.00E-08	-3.00E-08
URI (ΔCDF)	-9.30E-07	-1.30E-06	-5.40E-06	-5.40E-06	-6.20E-06	-6.20E-06	-6.20E-06	-6.20E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.60E-07**	**-1.34E-06**	**-5.44E-06**	**-5.43E-06**	**-6.23E-06**	**-6.24E-06**	**-6.24E-06**	**-6.23E-06**

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)	-4.70E-09	-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09	-4.50E-09	-4.50E-09
URI (ΔCDF)	-1.40E-08	-8.50E-09	-8.50E-09	-8.50E-09	-8.50E-09	-8.60E-09	-8.00E-09	-8.00E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.87E-08**	**-1.36E-08**	**-1.36E-08**	**-1.36E-08**	**-1.36E-08**	**-1.37E-08**	**-1.25E-08**	**-1.25E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	-4.70E-09	-7.40E-09	-7.40E-09	-7.40E-09	-7.10E-09	-7.10E-09	-7.00E-09	-7.10E-09
URI (ΔCDF)	-1.80E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.27E-08**	**-2.24E-08**	**-2.24E-08**	**-2.24E-08**	**-2.21E-08**	**-2.21E-08**	**-2.20E-08**	**-2.21E-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)	1.40E-10	-8.20E-10	-9.00E-10	-7.40E-10	-6.50E-10	-5.80E-10	-5.50E-10	-5.50E-10
URI (ΔCDF)	-9.00E-09	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.60E-08	-1.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.86E-09**	**-1.58E-08**	**-1.59E-08**	**-1.57E-08**	**-1.57E-08**	**-1.56E-08**	**-1.66E-08**	**-1.76E-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)	8.60E-10	9.50E-08	6.00E-08	8.00E-08	7.40E-08	7.40E-08	6.90E-08	6.60E-08
URI (ΔCDF)	-2.30E-09	-5.80E-09	-6.00E-09	-1.40E-08	-1.30E-08	-1.30E-08	-2.20E-08	-2.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.44E-09**	**8.92E-08**	**5.40E-08**	**6.60E-08**	**6.10E-08**	**6.10E-08**	**4.70E-08**	**4.50E-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	0.000006	0.000007	0.000007	0.000007	0.000007	0.000007	0.000008	0.000008	0.000007	0.000007	0.000007	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**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	0.000008	0.000008	0.000008	0.000009	0.000008	0.000010	0.000009	0.000005	0.000005	0.000005	0.000005	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1.560	1.550	1.550	1.560	1.550	1.580	1.550	1.550	1.540	1.550	1.560	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	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.3**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**
Reactor Coolant System Leakage	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**
Maximum leakage	1.540	1.540	1.540	1.540	1.610	1.530	1.480	1.500	1.500	1.510	1.510	1.530
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.2**	**6.2**	**6.2**	**6.2**	**6.4**	**6.1**	**5.9**	**6.0**	**6.0**	**6.0**	**6.0**	**6.1**

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	13.0	17.0	18.0	25.0	20.0	9.0	19.0	31.0
Total opportunities	13.0	18.0	18.0	25.0	23.0	13.0	20.0	32.0
Indicator value	**96.7%**	**96.1%**	**97.1%**	**98.6%**	**96.8%**	**94.4%**	**93.8%**	**93.8%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	71.0	72.0	74.0	72.0	71.0	68.0	69.0	69.0
Total Key personnel	75.0	72.0	74.0	72.0	71.0	68.0	69.0	69.0
Indicator value	**94.7%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful siren-tests	736	883	777	994	786	532	603	531
Total sirens-tests	748	896	784	1008	788	532	608	608
Indicator value	**97.5%**	**97.6%**	**98.0%**	**98.7%**	**99.0%**	**99.3%**	**99.3%**	**96.7%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Susquehanna 2

4Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2184.0	2208.0	2209.0	2159.0	1260.1	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned power changes	0	0	0	2.0	0	0	0	1.0
Critical hours	2183.0	2184.0	2208.0	2209.0	2159.0	1260.1	2208.0	2209.0
Indicator value	**0.8**	**0**	**0**	**1.6**	**1.6**	**1.8**	**1.8**	**0.9**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments:

4Q/09: LER 50-388/2009-002-00 was submitted on 10/26/2009. The U2 "C" RHR pump was inoperable for approximately four months due to cooling water not being available to the pump unit cooler and motor oil cooler.

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)	-3.70E-08	-3.50E-08	-2.90E-08	-3.30E-08	-3.70E-08	-4.00E-08	-3.00E-08	-2.80E-08
URI (ΔCDF)	-1.30E-06	-5.40E-06	-5.40E-06	-6.20E-06	-6.20E-06	-6.20E-06	-6.20E-06	-6.20E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.34E-06**	**-5.44E-06**	**-5.43E-06**	**-6.23E-06**	**-6.24E-06**	**-6.24E-06**	**-6.23E-06**	**-6.23E-06**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09	-4.50E-09	-4.50E-09	-4.50E-09
URI (ΔCDF)	-8.50E-09	-8.50E-09	-8.50E-09	-8.50E-09	-8.60E-09	-8.00E-09	-8.00E-09	-6.60E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.36E-08**	**-1.36E-08**	**-1.36E-08**	**-1.36E-08**	**-1.37E-08**	**-1.25E-08**	**-1.25E-08**	**-1.11E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (ΔCDF)	-7.40E-09	-7.40E-09	-7.40E-09	-7.10E-09	-7.10E-09	-7.00E-09	-7.10E-09	-1.00E-08
URI (ΔCDF)	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.24E-08**	**-2.24E-08**	**-2.24E-08**	**-2.21E-08**	**-2.21E-08**	**-2.20E-08**	**-2.21E-08**	**-2.50E-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/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	-8.20E-10	-9.00E-10	-7.40E-10	-6.50E-10	-5.80E-10	-5.50E-10	-5.50E-10	-9.00E-10
URI (ΔCDF)	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.60E-08	-1.70E-08	-1.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.58E-08**	**-1.59E-08**	**-1.57E-08**	**-1.57E-08**	**-1.56E-08**	**-1.66E-08**	**-1.76E-08**	**-1.69E-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/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	9.50E-08	6.00E-08	8.00E-08	7.40E-08	7.40E-08	6.90E-08	6.60E-08	5.60E-08
URI (ΔCDF)	-5.80E-09	-6.00E-09	-1.40E-08	-1.30E-08	-1.30E-08	-2.20E-08	-2.10E-08	-3.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.92E-08**	**5.40E-08**	**6.60E-08**	**6.10E-08**	**6.10E-08**	**4.70E-08**	**4.50E-08**	**1.80E-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	0.000007	0.000007	0.000007	0.000008	0.000008	0.000007	0.000007	0.000007	0.000007	0.000008	0.000008	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**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	0.000009	0.000008	0.000010	0.000009	0.000005	0.000005	0.000005	0.000005	0.000006	0.000005	0.000007	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	1.550	1.580	1.550	1.550	1.540	1.550	1.560	1.560	1.540	1.540	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	**6.2**	**6.2**	**6.3**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**
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	1.540	1.610	1.530	1.480	1.500	1.500	1.510	1.510	1.530	1.490	1.600	1.480
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.2**	**6.4**	**6.1**	**5.9**	**6.0**	**6.0**	**6.0**	**6.0**	**6.1**	**6.0**	**6.4**	**5.9**

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	17.0	18.0	25.0	20.0	9.0	19.0	31.0	17.0
Total opportunities	18.0	18.0	25.0	23.0	13.0	20.0	32.0	17.0
Indicator value	**96.1%**	**97.1%**	**98.6%**	**96.8%**	**94.4%**	**93.8%**	**93.8%**	**94.0%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Participating Key personnel	72.0	74.0	72.0	71.0	68.0	69.0	69.0	70.0
Total Key personnel	72.0	74.0	72.0	71.0	68.0	69.0	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

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	883	777	994	786	532	603	531	602
Total sirens-tests	896	784	1008	788	532	608	608	608
Indicator value	**97.6%**	**98.0%**	**98.7%**	**99.0%**	**99.3%**	**99.3%**	**96.7%**	**96.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Security information not publicly available.

Last Modified: January 22, 2010

Susquehanna 2

1Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	1260.1	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned power changes	0	0	2.0	0	0	0	1.0	0
Critical hours	2184.0	2208.0	2209.0	2159.0	1260.1	2208.0	2209.0	2159.0
Indicator value	**0**	**0**	**1.6**	**1.6**	**1.8**	**1.8**	**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	0	0	0	0	0	1	0
Indicator value	**1**	**1**	**1**	**0**	**0**	**0**	**1**	**1**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	-3.50E-08	-2.90E-08	-3.30E-08	-3.70E-08	-4.00E-08	-3.00E-08	-2.80E-08	-2.82E-08
URI (ΔCDF)	-5.40E-06	-5.40E-06	-6.20E-06	-6.20E-06	-6.20E-06	-6.20E-06	-6.20E-06	-6.51E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.44E-06**	**-5.43E-06**	**-6.23E-06**	**-6.24E-06**	**-6.24E-06**	**-6.23E-06**	**-6.23E-06**	**-6.50E-06**

Licensee Comments:

1Q/10: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09	-4.50E-09	-4.50E-09	-4.50E-09	-4.54E-09
URI (ΔCDF)	-8.50E-09	-8.50E-09	-8.50E-09	-8.60E-09	-8.00E-09	-8.00E-09	-6.60E-09	-6.60E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.36E-08**	**-1.36E-08**	**-1.36E-08**	**-1.37E-08**	**-1.25E-08**	**-1.25E-08**	**-1.11E-08**	**-1.10E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (ΔCDF)	-7.40E-09	-7.40E-09	-7.10E-09	-7.10E-09	-7.00E-09	-7.10E-09	-1.00E-08	-1.03E-08
URI (ΔCDF)	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.24E-08**	**-2.24E-08**	**-2.21E-08**	**-2.21E-08**	**-2.20E-08**	**-2.21E-08**	**-2.50E-08**	**-2.50E-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/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	-9.00E-10	-7.40E-10	-6.50E-10	-5.80E-10	-5.50E-10	-5.50E-10	-9.00E-10	-9.15E-10
URI (ΔCDF)	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.60E-08	-1.70E-08	-1.60E-08	-1.55E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.59E-08**	**-1.57E-08**	**-1.57E-08**	**-1.56E-08**	**-1.66E-08**	**-1.76E-08**	**-1.69E-08**	**-1.60E-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/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (ΔCDF)	6.00E-08	8.00E-08	7.40E-08	7.40E-08	6.90E-08	6.60E-08	5.60E-08	7.80E-08
URI (ΔCDF)	-6.00E-09	-1.40E-08	-1.30E-08	-1.30E-08	-2.20E-08	-2.10E-08	-3.80E-08	-3.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.40E-08**	**6.60E-08**	**6.10E-08**	**6.10E-08**	**4.70E-08**	**4.50E-08**	**1.80E-08**	**4.00E-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	0.000008	0.000008	0.000007	0.000007	0.000007	0.000007	0.000008	0.000008	0.000008	0.000009	0.000008	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum activity	0.000009	0.000005	0.000005	0.000005	0.000005	0.000006	0.000005	0.000007	0.000008	0.000006	0.000008	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1.540	1.550	1.560	1.560	1.540	1.540	1.540	1.540	1.610	1.530
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.4**	**6.1**
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	1.480	1.500	1.500	1.510	1.510	1.530	1.490	1.600	1.480	1.480	1.480	1.460
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.9**	**6.0**	**6.0**	**6.0**	**6.0**	**6.1**	**6.0**	**6.4**	**5.9**	**5.9**	**5.9**	**5.8**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful opportunities	18.0	25.0	20.0	9.0	19.0	31.0	16.0	30.0
Total opportunities	18.0	25.0	23.0	13.0	20.0	32.0	17.0	31.0
Indicator value	**97.1%**	**98.6%**	**96.8%**	**94.4%**	**93.8%**	**93.8%**	**93.4%**	**93.9%**

Licensee Comments:

1Q/10: Fourth quarter 2009 Drill and Exercise Performance data is revised from 17 successful opportunities out of 17 total opportunities, to 16 successful opportunities out of 17 total opportunities. The missed drill opportunity was determined during the first quarter 2010, after the fourth quarter data was submitted to the NRC. There is no safety significance associated with this change, and the color of the current Drill and Exercise Performance Indicator remains green.

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	74.0	72.0	71.0	68.0	69.0	69.0	70.0	69.0
Total Key personnel	74.0	72.0	71.0	68.0	69.0	69.0	70.0	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/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful siren-tests	777	994	786	532	603	531	602	532
Total sirens-tests	784	1008	788	532	608	608	608	532
Indicator value	**98.0%**	**98.7%**	**99.0%**	**99.3%**	**99.3%**	**96.7%**	**96.3%**	**96.3%**

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

Susquehanna 2

2Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1260.1	2208.0	2209.0	2159.0	2143.6
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned power changes	0	2.0	0	0	0	1.0	0	0
Critical hours	2208.0	2209.0	2159.0	1260.1	2208.0	2209.0	2159.0	2143.6
Indicator value	**0**	**1.6**	**1.6**	**1.8**	**1.8**	**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	0	0	0	0	0	1	0	0
Indicator value	**1**	**1**	**0**	**0**	**0**	**1**	**1**	**1**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	-2.90E-08	-3.30E-08	-3.70E-08	-4.00E-08	-3.00E-08	-2.80E-08	-2.82E-08	-2.70E-08
URI (ΔCDF)	-5.40E-06	-6.20E-06	-6.20E-06	-6.20E-06	-6.20E-06	-6.20E-06	-6.51E-06	-6.38E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.43E-06**	**-6.23E-06**	**-6.24E-06**	**-6.24E-06**	**-6.23E-06**	**-6.23E-06**	**-6.50E-06**	**-6.40E-06**

Licensee Comments:

2Q/10: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	-5.10E-09	-5.10E-09	-5.10E-09	-4.50E-09	-4.50E-09	-4.50E-09	-4.54E-09	-4.54E-09
URI (ΔCDF)	-8.50E-09	-8.50E-09	-8.60E-09	-8.00E-09	-8.00E-09	-6.60E-09	-6.60E-09	-6.60E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.36E-08**	**-1.36E-08**	**-1.37E-08**	**-1.25E-08**	**-1.25E-08**	**-1.11E-08**	**-1.10E-08**	**-1.10E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	-7.40E-09	-7.10E-09	-7.10E-09	-7.00E-09	-7.10E-09	-1.00E-08	-1.03E-08	-1.03E-08
URI (ΔCDF)	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.45E-08	-1.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.24E-08**	**-2.21E-08**	**-2.21E-08**	**-2.20E-08**	**-2.21E-08**	**-2.50E-08**	**-2.50E-08**	**-2.50E-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	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	-7.40E-10	-6.50E-10	-5.80E-10	-5.50E-10	-5.50E-10	-9.00E-10	-9.15E-10	-9.68E-10
URI (ΔCDF)	-1.50E-08	-1.50E-08	-1.50E-08	-1.60E-08	-1.70E-08	-1.60E-08	-1.55E-08	-1.54E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.57E-08**	**-1.57E-08**	**-1.56E-08**	**-1.66E-08**	**-1.76E-08**	**-1.69E-08**	**-1.60E-08**	**-1.60E-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	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	8.00E-08	7.40E-08	7.40E-08	6.90E-08	6.60E-08	5.60E-08	7.80E-08	5.39E-08
URI (ΔCDF)	-1.40E-08	-1.30E-08	-1.30E-08	-2.20E-08	-2.10E-08	-3.80E-08	-3.80E-08	-3.79E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.60E-08**	**6.10E-08**	**6.10E-08**	**4.70E-08**	**4.50E-08**	**1.80E-08**	**4.00E-08**	**1.60E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**
Maximum activity	0.000007	0.000007	0.000007	0.000008	0.000008	0.000008	0.000009	0.000008	0.000010	0.000009	0.000005	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**
Maximum activity	0.000005	0.000005	0.000006	0.000005	0.000007	0.000008	0.000006	0.000008	0.000006	0.000007	0.000006	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1.550	1.560	1.560	1.540	1.540	1.540	1.540	1.610	1.530	1.480	1.500	1.500
Technical specification limit	25.0	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**	**6.2**	**6.4**	**6.1**	**5.9**	**6.0**	**6.0**
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	1.510	1.510	1.530	1.490	1.600	1.480	1.480	1.480	1.490	1.480	1.490	1.520
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**6.0**	**6.1**	**6.0**	**6.4**	**5.9**	**5.9**	**5.9**	**6.0**	**5.9**	**6.0**	**6.1**

Licensee Comments:

6/10: The Reactor Coolant System Leakage data for March 2010 is revised from 1.46 gpm to 1.49 gpm due to a misinterpretation of the monthly data. The error was determined during the second quarter 2010, after the first quarter data was submitted to the NRC. There is no safety significance associated with this change, and the color of the current Reactor Coolant System Leakage Performance Indicator remains green.

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	25.0	20.0	9.0	19.0	31.0	16.0	30.0	67.0
Total opportunities	25.0	23.0	13.0	20.0	32.0	17.0	31.0	69.0
Indicator value	**98.6%**	**96.8%**	**94.4%**	**93.8%**	**93.8%**	**93.4%**	**93.9%**	**94.3%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Participating Key personnel	72.0	71.0	68.0	69.0	69.0	70.0	69.0	69.0
Total Key personnel	72.0	71.0	68.0	69.0	69.0	70.0	69.0	69.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful siren-tests	994	786	532	603	531	602	532	608
Total sirens-tests	1008	788	532	608	608	608	532	608
Indicator value	**98.7%**	**99.0%**	**99.3%**	**99.3%**	**96.7%**	**96.3%**	**96.3%**	**96.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Security information not publicly available.

Last Modified: July 26, 2010

Susquehanna 2

3Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	1260.1	2208.0	2209.0	2159.0	2143.6	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/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned power changes	2.0	0	0	0	1.0	0	0	0
Critical hours	2209.0	2159.0	1260.1	2208.0	2209.0	2159.0	2143.6	2208.0
Indicator value	**1.6**	**1.6**	**1.8**	**1.8**	**0.9**	**0.9**	**0.8**	**0.8**

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	-3.30E-08	-3.70E-08	-4.00E-08	-3.00E-08	-2.80E-08	-2.82E-08	-2.84E-08	-2.84E-08
URI (ΔCDF)	-6.20E-06	-6.20E-06	-6.20E-06	-6.20E-06	-6.20E-06	-6.51E-06	-6.38E-06	-6.33E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.23E-06**	**-6.24E-06**	**-6.24E-06**	**-6.23E-06**	**-6.23E-06**	**-6.50E-06**	**-6.40E-06**	**-6.40E-06**

Licensee Comments:

3Q/10: Risk Cap Invoked.

2Q/10: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	-5.10E-09	-5.10E-09	-4.50E-09	-4.50E-09	-4.50E-09	-4.54E-09	-4.54E-09	-4.54E-09
URI (ΔCDF)	-8.50E-09	-8.60E-09	-8.00E-09	-8.00E-09	-6.60E-09	-6.60E-09	-6.60E-09	-6.60E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.36E-08**	**-1.37E-08**	**-1.25E-08**	**-1.25E-08**	**-1.11E-08**	**-1.10E-08**	**-1.10E-08**	**-1.10E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	-7.10E-09	-7.10E-09	-7.00E-09	-7.10E-09	-1.00E-08	-1.03E-08	-1.03E-08	-1.03E-08
URI (ΔCDF)	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.45E-08	-1.45E-08	-1.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.21E-08**	**-2.21E-08**	**-2.20E-08**	**-2.21E-08**	**-2.50E-08**	**-2.50E-08**	**-2.50E-08**	**-2.50E-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/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	-6.50E-10	-5.80E-10	-5.50E-10	-5.50E-10	-9.00E-10	-9.15E-10	-9.68E-10	-9.68E-10
URI (ΔCDF)	-1.50E-08	-1.50E-08	-1.60E-08	-1.70E-08	-1.60E-08	-1.55E-08	-1.54E-08	-1.64E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.57E-08**	**-1.56E-08**	**-1.66E-08**	**-1.76E-08**	**-1.69E-08**	**-1.60E-08**	**-1.60E-08**	**-1.70E-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/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	7.40E-08	7.40E-08	6.90E-08	6.60E-08	5.60E-08	7.80E-08	5.39E-08	4.75E-08
URI (ΔCDF)	-1.30E-08	-1.30E-08	-2.20E-08	-2.10E-08	-3.80E-08	-3.80E-08	-3.79E-08	-3.78E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.10E-08**	**6.10E-08**	**4.70E-08**	**4.50E-08**	**1.80E-08**	**4.00E-08**	**1.60E-08**	**9.70E-09**

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	0.000008	0.000008	0.000008	0.000009	0.000008	0.000010	0.000009	0.000005	0.000005	0.000005	0.000005	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**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	0.000005	0.000007	0.000008	0.000006	0.000008	0.000006	0.000007	0.000006	0.000007	0.000007	0.000006	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	1.540	1.540	1.540	1.540	1.610	1.530	1.480	1.500	1.500	1.510	1.510	1.530
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.2**	**6.2**	**6.2**	**6.2**	**6.4**	**6.1**	**5.9**	**6.0**	**6.0**	**6.0**	**6.0**	**6.1**
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	1.490	1.600	1.480	1.480	1.480	1.490	1.480	1.490	1.520	1.520	1.530	1.520
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**6.4**	**5.9**	**5.9**	**5.9**	**6.0**	**5.9**	**6.0**	**6.1**	**6.1**	**6.1**	**6.1**

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	20.0	9.0	19.0	31.0	16.0	30.0	67.0	35.0
Total opportunities	23.0	13.0	20.0	32.0	17.0	31.0	69.0	36.0
Indicator value	**96.8%**	**94.4%**	**93.8%**	**93.8%**	**93.4%**	**93.9%**	**94.3%**	**94.2%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Participating Key personnel	71.0	68.0	69.0	69.0	70.0	69.0	69.0	68.0
Total Key personnel	71.0	68.0	69.0	69.0	70.0	69.0	69.0	68.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful siren-tests	786	532	603	531	602	532	608	605
Total sirens-tests	788	532	608	608	608	532	608	608
Indicator value	**99.0%**	**99.3%**	**99.3%**	**96.7%**	**96.3%**	**96.3%**	**96.5%**	**99.6%**

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

Susquehanna 2

4Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	1260.1	2208.0	2209.0	2159.0	2143.6	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/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	2159.0	1260.1	2208.0	2209.0	2159.0	2143.6	2208.0	2209.0
Indicator value	**1.6**	**1.8**	**1.8**	**0.9**	**0.9**	**0.8**	**0.8**	**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	0	0	1	0	0	0	0
Indicator value	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**0**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	-3.70E-08	-4.00E-08	-3.00E-08	-2.80E-08	-2.73E-08	-2.75E-08	-2.75E-08	-2.75E-08
URI (ΔCDF)	-6.20E-06	-6.20E-06	-6.20E-06	-6.20E-06	-6.28E-06	-6.16E-06	-6.11E-06	-6.10E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.24E-06**	**-6.24E-06**	**-6.23E-06**	**-6.23E-06**	**-6.30E-06**	**-6.20E-06**	**-6.10E-06**	**-6.10E-06**

Licensee Comments:

4Q/10: Risk Cap Invoked. Changed PRA Parameter(s). The Emergency Diesel Generator data previously reported for the first, second, and third quarters of 2010 is revised based on changed PRA parameters and the resulting revision to the MSPI coefficients in the SSES MSPI Basis Document. There is no safety significance associated with this change, and the color of the current Emergency Diesel Generator Performance Indicator remains Green.

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

2Q/10: Risk Cap Invoked. Changed PRA Parameter(s).

1Q/10: Risk Cap Invoked. Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	-5.10E-09	-4.50E-09	-4.50E-09	-4.50E-09	-3.58E-09	-3.58E-09	-3.58E-09	-3.58E-09
URI (ΔCDF)	-8.60E-09	-8.00E-09	-8.00E-09	-6.60E-09	-5.33E-09	-5.33E-09	-5.33E-09	-5.32E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.37E-08**	**-1.25E-08**	**-1.25E-08**	**-1.11E-08**	**-8.90E-09**	**-8.90E-09**	**-8.90E-09**	**-8.90E-09**

Licensee Comments:

4Q/10: Changed PRA Parameter(s). The High Pressure Coolant Injection data previously reported for the first, second, and third quarters of 2010 is revised based on changed PRA parameters and the resulting revision to the MSPI coefficients in the SSES MSPI Basis Document. There is no safety significance associated with this change, and the color of the current High Pressure Coolant Injection Performance Indicator remains Green.

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

2Q/10: Changed PRA Parameter(s).

1Q/10: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (ΔCDF)	-7.10E-09	-7.00E-09	-7.10E-09	-1.00E-08	-3.73E-09	-3.73E-09	-3.73E-09	-3.73E-09
URI (ΔCDF)	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-6.19E-09	-6.19E-09	-6.19E-09	-6.19E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.21E-08**	**-2.20E-08**	**-2.21E-08**	**-2.50E-08**	**-9.90E-09**	**-9.90E-09**	**-9.90E-09**	**-9.90E-09**

Licensee Comments:

4Q/10: Changed PRA Parameter(s). The Reactor Core Isolation Cooling data previously reported for the first, second, and third quarters of 2010 is revised based on changed PRA parameters and the resulting revision to the MSPI coefficients in the SSES MSPI Basis Document. There is no safety significance associated with this change, and the color of the current Reactor Core Isolation Cooling Performance Indicator remains Green.

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

2Q/10: Changed PRA Parameter(s).

1Q/10: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	-5.80E-10	-5.50E-10	-5.50E-10	-9.00E-10	-3.02E-10	-4.02E-10	-4.02E-10	-1.51E-10
URI (ΔCDF)	-1.50E-08	-1.60E-08	-1.70E-08	-1.60E-08	-1.18E-08	-1.19E-08	-1.27E-08	-1.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.56E-08**	**-1.66E-08**	**-1.76E-08**	**-1.69E-08**	**-1.20E-08**	**-1.20E-08**	**-1.30E-08**	**-1.30E-08**

Licensee Comments:

4Q/10: Changed PRA Parameter(s). The Residual Heat Removal data previously reported for the first, second, and third quarters of 2010 is revised based on changed PRA parameters and the resulting revision to the MSPI coefficients in the SSES MSPI Basis Document. There is no safety significance associated with this change, and the color of the current Residual Heat Removal Performance Indicator remains Green.

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

2Q/10: Changed PRA Parameter(s).

1Q/10: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	7.40E-08	6.90E-08	6.60E-08	5.60E-08	6.77E-08	4.57E-08	3.99E-08	4.13E-08
URI (ΔCDF)	-1.30E-08	-2.20E-08	-2.10E-08	-3.80E-08	-2.77E-08	-2.77E-08	-2.76E-08	-2.75E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.10E-08**	**4.70E-08**	**4.50E-08**	**1.80E-08**	**4.00E-08**	**1.80E-08**	**1.20E-08**	**1.40E-08**

Licensee Comments:

4Q/10: Changed PRA Parameter(s). The Residual Heat Removal Service Water / Emergency Service Water data previously reported for the first, second, and third quarters of 2010 is revised based on changed PRA parameters and the resulting revision to the MSPI coefficients in the SSES MSPI Basis Document. There is no safety significance associated with this change, and the color of the current Residual Heat Removal Service Water / Emergency Service Water Performance Indicator remains Green.

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

2Q/10: Changed PRA Parameter(s).

1Q/10: Changed PRA Parameter(s).

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	0.000009	0.000008	0.000010	0.000009	0.000005	0.000005	0.000005	0.000005	0.000006	0.000005	0.000007	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**
Maximum activity	0.000006	0.000008	0.000006	0.000007	0.000006	0.000007	0.000007	0.000006	0.000008	0.000007	0.000008	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	1.540	1.610	1.530	1.480	1.500	1.500	1.510	1.510	1.530	1.490	1.600	1.480
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.2**	**6.4**	**6.1**	**5.9**	**6.0**	**6.0**	**6.0**	**6.0**	**6.1**	**6.0**	**6.4**	**5.9**
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	1.480	1.480	1.490	1.480	1.490	1.520	1.520	1.530	1.520	1.510	1.510	1.500
Technical specification limit	25.0	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**	**5.9**	**6.0**	**6.1**	**6.1**	**6.1**	**6.1**	**6.0**	**6.0**	**6.0**

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	9.0	19.0	31.0	16.0	30.0	67.0	35.0	18.0
Total opportunities	13.0	20.0	32.0	17.0	31.0	69.0	36.0	21.0
Indicator value	**94.4%**	**93.8%**	**93.8%**	**93.4%**	**93.9%**	**94.3%**	**94.2%**	**94.1%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
Participating Key personnel	68.0	69.0	69.0	70.0	69.0	69.0	68.0	68.0
Total Key personnel	68.0	69.0	69.0	70.0	69.0	69.0	68.0	68.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful siren-tests	532	603	531	602	532	608	605	606
Total sirens-tests	532	608	608	608	532	608	608	608
Indicator value	**99.3%**	**99.3%**	**96.7%**	**96.3%**	**96.3%**	**96.5%**	**99.6%**	**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

Susquehanna 2

1Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1260.1	2208.0	2209.0	2159.0	2143.6	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/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	1260.1	2208.0	2209.0	2159.0	2143.6	2208.0	2209.0	2159.0
Indicator value	**1.8**	**1.8**	**0.9**	**0.9**	**0.8**	**0.8**	**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	0	0	1	0	0	0	0	1
Indicator value	**0**	**0**	**1**	**1**	**1**	**1**	**0**	**1**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	-4.00E-08	-3.00E-08	-2.80E-08	-2.73E-08	-2.75E-08	-2.75E-08	-2.75E-08	-1.82E-08
URI (ΔCDF)	-6.20E-06	-6.20E-06	-6.20E-06	-6.28E-06	-6.16E-06	-6.11E-06	-6.10E-06	-6.06E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.24E-06**	**-6.23E-06**	**-6.23E-06**	**-6.30E-06**	**-6.20E-06**	**-6.10E-06**	**-6.10E-06**	**-6.10E-06**

Licensee Comments:

1Q/11: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	-4.50E-09	-4.50E-09	-4.50E-09	-3.58E-09	-3.58E-09	-3.58E-09	-3.58E-09	-3.58E-09
URI (ΔCDF)	-8.00E-09	-8.00E-09	-6.60E-09	-5.33E-09	-5.33E-09	-5.33E-09	-5.32E-09	-5.37E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.25E-08**	**-1.25E-08**	**-1.11E-08**	**-8.90E-09**	**-8.90E-09**	**-8.90E-09**	**-8.90E-09**	**-9.00E-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/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	-7.00E-09	-7.10E-09	-1.00E-08	-3.73E-09	-3.73E-09	-3.73E-09	-3.73E-09	-3.73E-09
URI (ΔCDF)	-1.50E-08	-1.50E-08	-1.50E-08	-6.19E-09	-6.19E-09	-6.19E-09	-6.19E-09	-6.19E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-08**	**-2.21E-08**	**-2.50E-08**	**-9.90E-09**	**-9.90E-09**	**-9.90E-09**	**-9.90E-09**	**-9.90E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	-5.50E-10	-5.50E-10	-9.00E-10	-3.02E-10	-4.02E-10	-4.02E-10	-1.51E-10	1.12E-10
URI (ΔCDF)	-1.60E-08	-1.70E-08	-1.60E-08	-1.18E-08	-1.19E-08	-1.27E-08	-1.30E-08	-1.32E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.66E-08**	**-1.76E-08**	**-1.69E-08**	**-1.20E-08**	**-1.20E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-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	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	6.90E-08	6.60E-08	5.60E-08	6.77E-08	4.57E-08	3.99E-08	4.13E-08	4.13E-08
URI (ΔCDF)	-2.20E-08	-2.10E-08	-3.80E-08	-2.77E-08	-2.77E-08	-2.76E-08	-2.75E-08	-2.75E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.70E-08**	**4.50E-08**	**1.80E-08**	**4.00E-08**	**1.80E-08**	**1.20E-08**	**1.40E-08**	**1.40E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum activity	0.000009	0.000005	0.000005	0.000005	0.000005	0.000006	0.000005	0.000007	0.000008	0.000006	0.000008	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Reactor Coolant System Activity	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum activity	0.000007	0.000006	0.000007	0.000007	0.000006	0.000008	0.000007	0.000008	0.000008	0.000008	0.000008	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum leakage	1.480	1.500	1.500	1.510	1.510	1.530	1.490	1.600	1.480	1.480	1.480	1.490
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.9**	**6.0**	**6.0**	**6.0**	**6.0**	**6.1**	**6.0**	**6.4**	**5.9**	**5.9**	**5.9**	**6.0**
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	1.480	1.490	1.520	1.520	1.530	1.520	1.510	1.510	1.500	1.490	1.490	1.510
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.9**	**6.0**	**6.1**	**6.1**	**6.1**	**6.1**	**6.0**	**6.0**	**6.0**	**6.0**	**6.0**	**6.0**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful opportunities	19.0	31.0	16.0	30.0	67.0	35.0	18.0	0
Total opportunities	20.0	32.0	17.0	31.0	69.0	36.0	21.0	0
Indicator value	**93.8%**	**93.8%**	**93.4%**	**93.9%**	**94.3%**	**94.2%**	**94.1%**	**95.6%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Participating Key personnel	69.0	69.0	70.0	69.0	69.0	68.0	68.0	70.0
Total Key personnel	69.0	69.0	70.0	69.0	69.0	68.0	68.0	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	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful siren-tests	603	531	602	532	608	605	606	531
Total sirens-tests	608	608	608	532	608	608	608	532
Indicator value	**99.3%**	**96.7%**	**96.3%**	**96.3%**	**96.5%**	**99.6%**	**99.8%**	**99.7%**

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

Susquehanna 2

2Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	2143.6	2208.0	2209.0	2159.0	213.2
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/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	2143.6	2208.0	2209.0	2159.0	213.2
Indicator value	**1.8**	**0.9**	**0.9**	**0.8**	**0.8**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	-3.00E-08	-2.80E-08	-2.73E-08	-2.75E-08	-2.75E-08	-2.75E-08	-1.82E-08	-1.87E-08
URI (ΔCDF)	-6.20E-06	-6.20E-06	-6.28E-06	-6.16E-06	-6.11E-06	-6.10E-06	-6.06E-06	-6.59E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.23E-06**	**-6.23E-06**	**-6.30E-06**	**-6.20E-06**	**-6.10E-06**	**-6.10E-06**	**-6.10E-06**	**-6.60E-06**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	-4.50E-09	-4.50E-09	-3.58E-09	-3.58E-09	-3.58E-09	-3.58E-09	-3.58E-09	-3.55E-09
URI (ΔCDF)	-8.00E-09	-6.60E-09	-5.33E-09	-5.33E-09	-5.33E-09	-5.32E-09	-5.37E-09	-5.37E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.25E-08**	**-1.11E-08**	**-8.90E-09**	**-8.90E-09**	**-8.90E-09**	**-8.90E-09**	**-9.00E-09**	**-8.90E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	-7.10E-09	-1.00E-08	-3.73E-09	-3.73E-09	-3.73E-09	-3.73E-09	-3.73E-09	1.48E-09
URI (ΔCDF)	-1.50E-08	-1.50E-08	-6.19E-09	-6.19E-09	-6.19E-09	-6.19E-09	-6.19E-09	-6.19E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.21E-08**	**-2.50E-08**	**-9.90E-09**	**-9.90E-09**	**-9.90E-09**	**-9.90E-09**	**-9.90E-09**	**-4.70E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	-5.50E-10	-9.00E-10	-3.02E-10	-4.02E-10	-4.02E-10	-1.51E-10	1.12E-10	2.79E-10
URI (ΔCDF)	-1.70E-08	-1.60E-08	-1.18E-08	-1.19E-08	-1.27E-08	-1.30E-08	-1.32E-08	-1.49E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.76E-08**	**-1.69E-08**	**-1.20E-08**	**-1.20E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.50E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	6.60E-08	5.60E-08	6.77E-08	4.57E-08	3.99E-08	4.13E-08	4.13E-08	4.50E-08
URI (ΔCDF)	-2.10E-08	-3.80E-08	-2.77E-08	-2.77E-08	-2.76E-08	-2.75E-08	-2.75E-08	-2.85E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.50E-08**	**1.80E-08**	**4.00E-08**	**1.80E-08**	**1.20E-08**	**1.40E-08**	**1.40E-08**	**1.60E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**
Maximum activity	0.000005	0.000005	0.000006	0.000005	0.000007	0.000008	0.000006	0.000008	0.000006	0.000007	0.000006	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**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	0.000007	0.000006	0.000008	0.000007	0.000008	0.000008	0.000008	0.000008	0.000010	0.000009	N/A	N/A
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**N/A**

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	1.510	1.510	1.530	1.490	1.600	1.480	1.480	1.480	1.490	1.480	1.490	1.520
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**6.0**	**6.1**	**6.0**	**6.4**	**5.9**	**5.9**	**5.9**	**6.0**	**5.9**	**6.0**	**6.1**
Reactor Coolant System Leakage	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**
Maximum leakage	1.520	1.530	1.520	1.510	1.510	1.500	1.490	1.490	1.510	1.490	0	1.430
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.1**	**6.1**	**6.1**	**6.0**	**6.0**	**6.0**	**6.0**	**6.0**	**6.0**	**6.0**	**0**	**5.7**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful opportunities	31.0	16.0	30.0	67.0	35.0	18.0	0	21.0
Total opportunities	32.0	17.0	31.0	69.0	36.0	21.0	0	21.0
Indicator value	**93.8%**	**93.4%**	**93.9%**	**94.3%**	**94.2%**	**94.1%**	**95.6%**	**96.0%**

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	69.0	70.0	69.0	69.0	68.0	68.0	70.0	74.0
Total Key personnel	69.0	70.0	69.0	69.0	68.0	68.0	70.0	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/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful siren-tests	531	602	532	608	605	606	531	606
Total sirens-tests	608	608	532	608	608	608	532	608
Indicator value	**96.7%**	**96.3%**	**96.3%**	**96.5%**	**99.6%**	**99.8%**	**99.7%**	**99.7%**

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

Susquehanna 2

3Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	2209.0	2159.0	2143.6	2208.0	2209.0	2159.0	213.2	2125.9
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2143.6	2208.0	2209.0	2159.0	213.2	2125.9
Indicator value	**0.9**	**0.9**	**0.8**	**0.8**	**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	1	0	0	0	0	1	0	0
Indicator value	**1**	**1**	**1**	**1**	**0**	**1**	**1**	**1**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	-2.80E-08	-2.73E-08	-2.75E-08	-2.75E-08	-2.75E-08	-1.82E-08	-1.87E-08	-2.43E-08
URI (ΔCDF)	-6.20E-06	-6.28E-06	-6.16E-06	-6.11E-06	-6.10E-06	-6.06E-06	-6.59E-06	-6.62E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.23E-06**	**-6.30E-06**	**-6.20E-06**	**-6.10E-06**	**-6.10E-06**	**-6.10E-06**	**-6.60E-06**	**-6.60E-06**

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)	-4.50E-09	-3.58E-09	-3.58E-09	-3.58E-09	-3.58E-09	-3.58E-09	-3.55E-09	-3.54E-09
URI (ΔCDF)	-6.60E-09	-5.33E-09	-5.33E-09	-5.33E-09	-5.32E-09	-5.37E-09	-5.37E-09	-5.34E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.11E-08**	**-8.90E-09**	**-8.90E-09**	**-8.90E-09**	**-8.90E-09**	**-9.00E-09**	**-8.90E-09**	**-8.90E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	-1.00E-08	-3.73E-09	-3.73E-09	-3.73E-09	-3.73E-09	-3.73E-09	1.48E-09	3.21E-09
URI (ΔCDF)	-1.50E-08	-6.19E-09	-6.19E-09	-6.19E-09	-6.19E-09	-6.19E-09	-6.19E-09	-6.76E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.50E-08**	**-9.90E-09**	**-9.90E-09**	**-9.90E-09**	**-9.90E-09**	**-9.90E-09**	**-4.70E-09**	**-3.60E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	-9.00E-10	-3.02E-10	-4.02E-10	-4.02E-10	-1.51E-10	1.12E-10	2.79E-10	-7.59E-11
URI (ΔCDF)	-1.60E-08	-1.18E-08	-1.19E-08	-1.27E-08	-1.30E-08	-1.32E-08	-1.49E-08	-1.51E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.69E-08**	**-1.20E-08**	**-1.20E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.50E-08**	**-1.50E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	5.60E-08	6.77E-08	4.57E-08	3.99E-08	4.13E-08	4.13E-08	4.50E-08	2.66E-08
URI (ΔCDF)	-3.80E-08	-2.77E-08	-2.77E-08	-2.76E-08	-2.75E-08	-2.75E-08	-2.85E-08	-2.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.80E-08**	**4.00E-08**	**1.80E-08**	**1.20E-08**	**1.40E-08**	**1.40E-08**	**1.60E-08**	**-2.40E-09**

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	0.000005	0.000007	0.000008	0.000006	0.000008	0.000006	0.000007	0.000006	0.000007	0.000007	0.000006	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**
Maximum activity	0.000007	0.000008	0.000008	0.000008	0.000008	0.000010	0.000009	N/A	N/A	0.000004	0.000004	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**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	1.490	1.600	1.480	1.480	1.480	1.490	1.480	1.490	1.520	1.520	1.530	1.520
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.0**	**6.4**	**5.9**	**5.9**	**5.9**	**6.0**	**5.9**	**6.0**	**6.1**	**6.1**	**6.1**	**6.1**
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	1.510	1.510	1.500	1.490	1.490	1.510	1.490	0	1.430	1.640	1.670	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	**6.0**	**6.0**	**6.0**	**6.0**	**6.0**	**6.0**	**6.0**	**0**	**5.7**	**6.6**	**6.7**	**6.7**

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	16.0	30.0	67.0	35.0	18.0	0	21.0	21.0
Total opportunities	17.0	31.0	69.0	36.0	21.0	0	21.0	22.0
Indicator value	**93.4%**	**93.9%**	**94.3%**	**94.2%**	**94.1%**	**95.6%**	**96.0%**	**95.9%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Participating Key personnel	70.0	69.0	69.0	68.0	68.0	70.0	74.0	72.0
Total Key personnel	70.0	69.0	69.0	68.0	68.0	70.0	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/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful siren-tests	602	532	608	605	606	531	606	607
Total sirens-tests	608	532	608	608	608	532	608	608
Indicator value	**96.3%**	**96.3%**	**96.5%**	**99.6%**	**99.8%**	**99.7%**	**99.7%**	**99.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/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

Susquehanna 2

4Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2159.0	2143.6	2208.0	2209.0	2159.0	213.2	2125.9	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	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	2143.6	2208.0	2209.0	2159.0	213.2	2125.9	2209.0
Indicator value	**0.9**	**0.8**	**0.8**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	-2.73E-08	-2.75E-08	-2.75E-08	-2.75E-08	-1.82E-08	-1.87E-08	2.94E-09	1.94E-07
URI (ΔCDF)	-6.28E-06	-6.16E-06	-6.11E-06	-6.10E-06	-6.06E-06	-6.59E-06	-6.62E-06	-6.12E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.30E-06**	**-6.20E-06**	**-6.10E-06**	**-6.10E-06**	**-6.10E-06**	**-6.60E-06**	**-6.60E-06**	**-5.90E-06**

Licensee Comments:

4Q/11: Risk Cap Invoked. The 3Q2011 Emergency AC Power System data is revised to include additional unavailable hours for the "C" diesel generator in September 2011. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	-3.58E-09	-3.58E-09	-3.58E-09	-3.58E-09	-3.58E-09	-3.55E-09	-3.54E-09	2.12E-09
URI (ΔCDF)	-5.33E-09	-5.33E-09	-5.33E-09	-5.32E-09	-5.37E-09	-5.37E-09	-5.34E-09	2.07E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.90E-09**	**-8.90E-09**	**-8.90E-09**	**-8.90E-09**	**-9.00E-09**	**-8.90E-09**	**-8.90E-09**	**2.30E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	-3.73E-09	-3.73E-09	-3.73E-09	-3.73E-09	-3.73E-09	1.48E-09	3.21E-09	3.21E-09
URI (ΔCDF)	-6.19E-09	-6.19E-09	-6.19E-09	-6.19E-09	-6.19E-09	2.18E-08	2.02E-08	4.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.90E-09**	**-9.90E-09**	**-9.90E-09**	**-9.90E-09**	**-9.90E-09**	**2.30E-08**	**2.30E-08**	**5.00E-08**

Licensee Comments:

4Q/11: The 2Q2011 and 3Q2011 Unit 2 RCIC data is revised to account for the Ramp Generator Signal Converter (RGSC) failure in June 2011. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

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)	-3.02E-10	-4.02E-10	-4.02E-10	-1.51E-10	1.12E-10	2.79E-10	-7.59E-11	-5.24E-10
URI (ΔCDF)	-1.18E-08	-1.19E-08	-1.27E-08	-1.30E-08	-1.32E-08	-1.49E-08	-1.51E-08	-1.52E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-08**	**-1.20E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.50E-08**	**-1.50E-08**	**-1.60E-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	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	6.77E-08	4.57E-08	3.99E-08	4.13E-08	4.13E-08	4.50E-08	2.66E-08	2.88E-08
URI (ΔCDF)	-2.77E-08	-2.77E-08	-2.76E-08	-2.75E-08	-2.75E-08	-2.85E-08	-2.89E-08	-2.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.00E-08**	**1.80E-08**	**1.20E-08**	**1.40E-08**	**1.40E-08**	**1.60E-08**	**-2.30E-09**	**-2.80E-10**

Licensee Comments:

4Q/11: Previously reported data for 3Q2009, 2Q2010, and 3Q2010 is revised for operational non-test strokes of valves HV01224A1 and HV01224B1. This change provides more conservative values for the stroke count. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

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	0.000006	0.000008	0.000006	0.000007	0.000006	0.000007	0.000007	0.000006	0.000008	0.000007	0.000008	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**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	0.000008	0.000008	0.000010	0.000009	N/A	N/A	0.000004	0.000004	0.000004	0.000005	0.000005	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	1.660	1.660	1.690	1.670	1.670	1.660	1.660	1.680	1.670	1.650	1.650	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	**6.6**	**6.6**	**6.8**	**6.7**	**6.7**	**6.6**	**6.6**	**6.7**	**6.7**	**6.6**	**6.6**	**6.6**
Reactor Coolant System Leakage	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**
Maximum leakage	1.620	1.630	1.660	1.620	0	1.430	1.640	1.670	1.680	1.740	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	**6.5**	**6.5**	**6.6**	**6.5**	**0**	**5.7**	**6.6**	**6.7**	**6.7**	**7.0**	**6.6**	**6.6**

Licensee Comments:

12/11: Previously reported data for Reactor Coolant System Leakage for the period from 1Q2010 through 2Q2011 is revised to provide the correct value for maximum monthly identified leakage. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

6/10: The Reactor Coolant System Leakage data for March 2010 is revised from 1.46 gpm to 1.49 gpm due to a misinterpretation of the monthly data. The error was determined during the second quarter 2010, after the first quarter data was submitted to the NRC. There is no safety significance associated with this change, and the color of the current Reactor Coolant System Leakage Performance Indicator remains green.

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	30.0	67.0	35.0	18.0	0	21.0	21.0	10.0
Total opportunities	31.0	69.0	36.0	21.0	0	21.0	22.0	10.0
Indicator value	**93.9%**	**94.3%**	**94.2%**	**94.1%**	**95.6%**	**96.0%**	**95.9%**	**96.2%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Participating Key personnel	69.0	69.0	68.0	68.0	70.0	74.0	72.0	71.0
Total Key personnel	69.0	69.0	68.0	68.0	70.0	74.0	72.0	71.0
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	532	608	605	606	531	606	607	608
Total sirens-tests	532	608	608	608	532	608	608	608
Indicator value	**96.3%**	**96.5%**	**99.6%**	**99.8%**	**99.7%**	**99.7%**	**99.7%**	**99.8%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Susquehanna 2

1Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2143.6	2208.0	2209.0	2159.0	213.2	2125.9	2209.0	2183.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**1.0**	**1.0**	**1.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	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	2143.6	2208.0	2209.0	2159.0	213.2	2125.9	2209.0	2183.0
Indicator value	**0.8**	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	-2.75E-08	-2.75E-08	-2.75E-08	-1.82E-08	-1.87E-08	2.94E-09	1.94E-07	1.94E-07
URI (ΔCDF)	-6.16E-06	-6.11E-06	-6.10E-06	-6.06E-06	-6.59E-06	-6.62E-06	-6.12E-06	-6.11E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.20E-06**	**-6.10E-06**	**-6.10E-06**	**-6.10E-06**	**-6.60E-06**	**-6.60E-06**	**-5.90E-06**	**-5.90E-06**

Licensee Comments:

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked. The 3Q2011 Emergency AC Power System data is revised to include additional unavailable hours for the "C" diesel generator in September 2011. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

1Q/11: Risk Cap Invoked.

4Q/10: Risk Cap Invoked. Changed PRA Parameter(s). The Emergency Diesel Generator data previously reported for the first, second, and third quarters of 2010 is revised based on changed PRA parameters and the resulting revision to the MSPI coefficients in the SSES MSPI Basis Document. There is no safety significance associated with this change, and the color of the current Emergency Diesel Generator Performance Indicator remains Green.

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

3Q/10: Risk Cap Invoked.

2Q/10: Risk Cap Invoked.

2Q/10: Risk Cap Invoked. Changed PRA Parameter(s).

2Q/10: Risk Cap Invoked.

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)	-3.58E-09	-3.58E-09	-3.58E-09	-3.58E-09	-3.55E-09	-3.54E-09	2.12E-09	2.12E-09
URI (ΔCDF)	-5.33E-09	-5.33E-09	-5.32E-09	-5.37E-09	-5.37E-09	-5.34E-09	2.07E-08	2.07E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.90E-09**	**-8.90E-09**	**-8.90E-09**	**-9.00E-09**	**-8.90E-09**	**-8.90E-09**	**2.30E-08**	**2.30E-08**

Licensee Comments:

4Q/10: Changed PRA Parameter(s). The High Pressure Coolant Injection data previously reported for the first, second, and third quarters of 2010 is revised based on changed PRA parameters and the resulting revision to the MSPI coefficients in the SSES MSPI Basis Document. There is no safety significance associated with this change, and the color of the current High Pressure Coolant Injection Performance Indicator remains Green.

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

2Q/10: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	-3.73E-09	-3.73E-09	-3.73E-09	-3.73E-09	1.48E-09	3.21E-09	3.21E-09	3.21E-09
URI (ΔCDF)	-6.19E-09	-6.19E-09	-6.19E-09	-6.19E-09	2.18E-08	2.02E-08	4.71E-08	4.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.90E-09**	**-9.90E-09**	**-9.90E-09**	**-9.90E-09**	**2.30E-08**	**2.30E-08**	**5.00E-08**	**5.00E-08**

Licensee Comments:

4Q/11: The 2Q2011 and 3Q2011 Unit 2 RCIC data is revised to account for the Ramp Generator Signal Converter (RGSC) failure in June 2011. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

4Q/10: Changed PRA Parameter(s). The Reactor Core Isolation Cooling data previously reported for the first, second, and third quarters of 2010 is revised based on changed PRA parameters and the resulting revision to the MSPI coefficients in the SSES MSPI Basis Document. There is no safety significance associated with this change, and the color of the current Reactor Core Isolation Cooling Performance Indicator remains Green.

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

2Q/10: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	-4.02E-10	-4.02E-10	-1.51E-10	1.12E-10	2.79E-10	-7.59E-11	-5.24E-10	2.55E-10
URI (ΔCDF)	-1.19E-08	-1.27E-08	-1.30E-08	-1.32E-08	-1.49E-08	-1.51E-08	-1.52E-08	-1.53E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.20E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.50E-08**	**-1.50E-08**	**-1.60E-08**	**-1.50E-08**

Licensee Comments:

4Q/10: Changed PRA Parameter(s). The Residual Heat Removal data previously reported for the first, second, and third quarters of 2010 is revised based on changed PRA parameters and the resulting revision to the MSPI coefficients in the SSES MSPI Basis Document. There is no safety significance associated with this change, and the color of the current Residual Heat Removal Performance Indicator remains Green.

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

2Q/10: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	4.57E-08	3.99E-08	4.13E-08	4.13E-08	4.50E-08	2.66E-08	2.88E-08	2.87E-08
URI (ΔCDF)	-2.77E-08	-2.76E-08	-2.75E-08	-2.75E-08	-2.85E-08	-2.89E-08	-2.90E-08	-2.91E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.80E-08**	**1.20E-08**	**1.40E-08**	**1.40E-08**	**1.60E-08**	**-2.30E-09**	**-2.80E-10**	**-4.20E-10**

Licensee Comments:

4Q/11: Previously reported data for 3Q2009, 2Q2010, and 3Q2010 is revised for operational non-test strokes of valves HV01224A1 and HV01224B1. This change provides more conservative values for the stroke count. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

4Q/10: Changed PRA Parameter(s). The Residual Heat Removal Service Water / Emergency Service Water data previously reported for the first, second, and third quarters of 2010 is revised based on changed PRA parameters and the resulting revision to the MSPI coefficients in the SSES MSPI Basis Document. There is no safety significance associated with this change, and the color of the current Residual Heat Removal Service Water / Emergency Service Water Performance Indicator remains Green.

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

2Q/10: Changed PRA Parameter(s).

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum activity	0.000007	0.000006	0.000007	0.000007	0.000006	0.000008	0.000007	0.000008	0.000008	0.000008	0.000008	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum activity	0.000009	N/A	N/A	0.000004	0.000004	0.000004	0.000005	0.000005	0.000005	0.000006	0.000005	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**N/A**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	1.670	1.670	1.660	1.660	1.680	1.670	1.650	1.650	1.640	1.620	1.630	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	**6.7**	**6.7**	**6.6**	**6.6**	**6.7**	**6.7**	**6.6**	**6.6**	**6.6**	**6.5**	**6.5**	**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	1.620	N/A	1.430	1.640	1.670	1.680	1.740	1.650	1.650	1.650	1.640	1.630
Technical specification limit	25.0	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**	**N/A**	**5.7**	**6.6**	**6.7**	**6.7**	**7.0**	**6.6**	**6.6**	**6.6**	**6.6**	**6.5**

Licensee Comments:

3/12: The Unit 2 RCSL data for May 2011 originally reported as 0 was changed to N/A because the unit was shutdown for the entire month of May. This change has no safety significance and has no effect on the PI color, which is green.

3/12: The Unit 2 RCSL data for May 2011 originally reported as 0 was changed to N/A because the unit was shutdown for the entire month of May. This change has no safety significance and has no effect on the PI color, which is green.

12/11: Previously reported data for Reactor Coolant System Leakage for the period from 1Q2010 through 2Q2011 is revised to provide the correct value for maximum monthly identified leakage. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

6/10: The Reactor Coolant System Leakage data for March 2010 is revised from 1.46 gpm to 1.49 gpm due to a misinterpretation of the monthly data. The error was determined during the second quarter 2010, after the first quarter data was submitted to the NRC. There is no safety significance associated with this change, and the color of the current Reactor Coolant System Leakage Performance Indicator remains green.

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	67.0	35.0	18.0	0	21.0	21.0	10.0	23.0
Total opportunities	69.0	36.0	21.0	0	21.0	22.0	10.0	25.0
Indicator value	**94.3%**	**94.2%**	**94.1%**	**95.6%**	**96.0%**	**95.9%**	**96.2%**	**95.6%**

Licensee Comments: none

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	69.0	68.0	68.0	70.0	74.0	72.0	71.0	75.0
Total Key personnel	69.0	68.0	68.0	70.0	74.0	72.0	71.0	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/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful siren-tests	608	605	606	531	606	607	608	608
Total sirens-tests	608	608	608	532	608	608	608	608
Indicator value	**96.5%**	**99.6%**	**99.8%**	**99.7%**	**99.7%**	**99.7%**	**99.8%**	**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	1	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Susquehanna 2

2Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2208.0	2209.0	2159.0	213.2	2125.9	2209.0	2183.0	1829.5
Indicator value	**0**	**0**	**0**	**0**	**1.0**	**1.0**	**1.0**	**0.8**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	213.2	2125.9	2209.0	2183.0	1829.5
Indicator value	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments:

2Q/12: LER 387/2012-001-00, Both Control Structure Chillers Inoperable, was submitted on May 23, 2012. LER 387/2012-002-00, "B" Control Structure Chiller Inoperable Concurrent with "A" Emergency Diesel Generator Out of Service, was submitted to the NRC on June 4, 2012.

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)	-2.75E-08	-2.75E-08	-1.82E-08	-1.87E-08	2.94E-09	1.94E-07	1.94E-07	1.88E-07
URI (ΔCDF)	-6.11E-06	-6.10E-06	-6.06E-06	-6.59E-06	-6.62E-06	-6.12E-06	-6.11E-06	-6.06E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.10E-06**	**-6.10E-06**	**-6.10E-06**	**-6.60E-06**	**-6.60E-06**	**-5.90E-06**	**-5.90E-06**	**-5.90E-06**

Licensee Comments:

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked. The 3Q2011 Emergency AC Power System data is revised to include additional unavailable hours for the "C" diesel generator in September 2011. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

1Q/11: Risk Cap Invoked.

4Q/10: Risk Cap Invoked. Changed PRA Parameter(s). The Emergency Diesel Generator data previously reported for the first, second, and third quarters of 2010 is revised based on changed PRA parameters and the resulting revision to the MSPI coefficients in the SSES MSPI Basis Document. There is no safety significance associated with this change, and the color of the current Emergency Diesel Generator Performance Indicator remains Green.

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

3Q/10: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	-3.58E-09	-3.58E-09	-3.58E-09	-3.55E-09	-3.54E-09	2.12E-09	2.12E-09	1.52E-09
URI (ΔCDF)	-5.33E-09	-5.32E-09	-5.37E-09	-5.37E-09	-5.34E-09	2.07E-08	2.07E-08	2.07E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.90E-09**	**-8.90E-09**	**-9.00E-09**	**-8.90E-09**	**-8.90E-09**	**2.30E-08**	**2.30E-08**	**2.20E-08**

Licensee Comments:

4Q/10: Changed PRA Parameter(s). The High Pressure Coolant Injection data previously reported for the first, second, and third quarters of 2010 is revised based on changed PRA parameters and the resulting revision to the MSPI coefficients in the SSES MSPI Basis Document. There is no safety significance associated with this change, and the color of the current High Pressure Coolant Injection Performance Indicator remains Green.

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

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**
UAI (ΔCDF)	-3.73E-09	-3.73E-09	-3.73E-09	1.48E-09	3.21E-09	3.21E-09	3.21E-09	3.04E-09
URI (ΔCDF)	-6.19E-09	-6.19E-09	-6.19E-09	2.18E-08	2.02E-08	4.71E-08	4.71E-08	4.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.90E-09**	**-9.90E-09**	**-9.90E-09**	**2.30E-08**	**2.30E-08**	**5.00E-08**	**5.00E-08**	**5.00E-08**

Licensee Comments:

4Q/11: The 2Q2011 and 3Q2011 Unit 2 RCIC data is revised to account for the Ramp Generator Signal Converter (RGSC) failure in June 2011. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

4Q/10: Changed PRA Parameter(s). The Reactor Core Isolation Cooling data previously reported for the first, second, and third quarters of 2010 is revised based on changed PRA parameters and the resulting revision to the MSPI coefficients in the SSES MSPI Basis Document. There is no safety significance associated with this change, and the color of the current Reactor Core Isolation Cooling Performance Indicator remains Green.

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

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**
UAI (ΔCDF)	-4.02E-10	-1.51E-10	1.12E-10	2.79E-10	-7.59E-11	-5.24E-10	2.55E-10	1.28E-10
URI (ΔCDF)	-1.27E-08	-1.30E-08	-1.32E-08	-1.49E-08	-1.51E-08	-1.52E-08	-1.53E-08	-1.51E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.50E-08**	**-1.50E-08**	**-1.60E-08**	**-1.50E-08**	**-1.50E-08**

Licensee Comments:

4Q/10: Changed PRA Parameter(s). The Residual Heat Removal data previously reported for the first, second, and third quarters of 2010 is revised based on changed PRA parameters and the resulting revision to the MSPI coefficients in the SSES MSPI Basis Document. There is no safety significance associated with this change, and the color of the current Residual Heat Removal Performance Indicator remains Green.

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

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	3.99E-08	4.13E-08	4.13E-08	4.50E-08	2.66E-08	2.88E-08	2.87E-08	3.54E-08
URI (ΔCDF)	-2.76E-08	-2.75E-08	-2.75E-08	-2.85E-08	-2.89E-08	-2.90E-08	-2.91E-08	-2.95E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.20E-08**	**1.40E-08**	**1.40E-08**	**1.60E-08**	**-2.30E-09**	**-2.80E-10**	**-4.20E-10**	**5.90E-09**

Licensee Comments:

4Q/11: Previously reported data for 3Q2009, 2Q2010, and 3Q2010 is revised for operational non-test strokes of valves HV01224A1 and HV01224B1. This change provides more conservative values for the stroke count. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

4Q/10: Changed PRA Parameter(s). The Residual Heat Removal Service Water / Emergency Service Water data previously reported for the first, second, and third quarters of 2010 is revised based on changed PRA parameters and the resulting revision to the MSPI coefficients in the SSES MSPI Basis Document. There is no safety significance associated with this change, and the color of the current Residual Heat Removal Service Water / Emergency Service Water Performance Indicator remains Green.

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

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**
Maximum activity	0.000007	0.000006	0.000008	0.000007	0.000008	0.000008	0.000008	0.000008	0.000010	0.000009	N/A	N/A
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**N/A**

Reactor Coolant System Activity	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**
Maximum activity	0.000004	0.000004	0.000004	0.000005	0.000005	0.000005	0.000006	0.000005	0.000005	0.000007	0.000005	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	1.660	1.680	1.670	1.650	1.650	1.640	1.620	1.630	1.660	1.620	N/A	1.430
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**6.7**	**6.7**	**6.6**	**6.6**	**6.6**	**6.5**	**6.5**	**6.6**	**6.5**	**N/A**	**5.7**
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	1.640	1.670	1.680	1.740	1.650	1.650	1.650	1.640	1.630	1.630	1.630	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	**6.6**	**6.7**	**6.7**	**7.0**	**6.6**	**6.6**	**6.6**	**6.6**	**6.5**	**6.5**	**6.5**	**6.6**

Licensee Comments:

3/12: The Unit 2 RCSL data for May 2011 originally reported as 0 was changed to N/A because the unit was shutdown for the entire month of May. This change has no safety significance and has no effect on the PI color, which is green.

12/11: Previously reported data for Reactor Coolant System Leakage for the period from 1Q2010 through 2Q2011 is revised to provide the correct value for maximum monthly identified leakage. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful opportunities	35.0	18.0	0	21.0	21.0	10.0	23.0	12.0
Total opportunities	36.0	21.0	0	21.0	22.0	10.0	25.0	12.0
Indicator value	**94.2%**	**94.1%**	**95.6%**	**96.0%**	**95.9%**	**96.2%**	**95.6%**	**95.2%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Participating Key personnel	68.0	68.0	70.0	74.0	72.0	71.0	75.0	75.0
Total Key personnel	68.0	68.0	70.0	74.0	72.0	71.0	75.0	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	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful siren-tests	605	606	531	606	607	608	608	532
Total sirens-tests	608	608	532	608	608	608	608	532
Indicator value	**99.6%**	**99.8%**	**99.7%**	**99.7%**	**99.7%**	**99.8%**	**99.9%**	**100.0%**

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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.

Susquehanna 2

3Q/2012 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2209.0	2159.0	213.2	2125.9	2209.0	2183.0	1829.5	2208.0
Indicator value	**0**	**0**	**0**	**1.0**	**1.0**	**1.0**	**0.8**	**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	213.2	2125.9	2209.0	2183.0	1829.5	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	1	0	0	1	0	2	1
Indicator value	**0**	**1**	**1**	**1**	**2**	**1**	**3**	**4**

Licensee Comments:

3Q/12: LER 388/2012-001-00, "Two Control Room Floor Cooling Systems Inoperable" was submitted to the NRC on July 9, 2012.

2Q/12: LER 387/2012-001-00, Both Control Structure Chillers Inoperable, was submitted on May 23, 2012. LER 387/2012-002-00, "B" Control Structure Chiller Inoperable Concurrent with "A" Emergency Diesel Generator Out of Service, was submitted to the NRC on June 4, 2012.

4Q/11: LER 50-388/2011-004-00, "Unit 2 HPCI Inoperability" submitted to the NRC on December 5, 2011.

1Q/11: LER 50-387/2011-001, Single Point Vulnerability, was submitted to the NRC on March 2, 2011.

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)	-2.75E-08	-1.82E-08	-1.87E-08	2.94E-09	1.94E-07	1.94E-07	1.88E-07	1.79E-07
URI (ΔCDF)	-6.10E-06	-6.06E-06	-6.59E-06	-6.62E-06	-6.12E-06	-6.11E-06	-6.06E-06	-5.90E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.10E-06**	**-6.10E-06**	**-6.60E-06**	**-6.60E-06**	**-5.90E-06**	**-5.90E-06**	**-5.90E-06**	**-5.70E-06**

Licensee Comments:

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked. The 3Q2011 Emergency AC Power System data is revised to include additional unavailable hours for the "C" diesel generator in September 2011. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

1Q/11: Risk Cap Invoked.

4Q/10: Risk Cap Invoked. Changed PRA Parameter(s). The Emergency Diesel Generator data previously reported for the first, second, and third quarters of 2010 is revised based on changed PRA parameters and the resulting

revision to the MSPI coefficients in the SSES MSPI Basis Document. There is no safety significance associated with this change, and the color of the current Emergency Diesel Generator Performance Indicator remains Green.

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)	-3.58E-09	-3.58E-09	-3.55E-09	-3.54E-09	2.12E-09	2.12E-09	1.52E-09	1.52E-09
URI (ΔCDF)	-5.32E-09	-5.37E-09	-5.37E-09	-5.34E-09	2.07E-08	2.07E-08	2.07E-08	2.07E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.90E-09**	**-9.00E-09**	**-8.90E-09**	**-8.90E-09**	**2.30E-08**	**2.30E-08**	**2.20E-08**	**2.20E-08**

Licensee Comments:

4Q/10: Changed PRA Parameter(s). The High Pressure Coolant Injection data previously reported for the first, second, and third quarters of 2010 is revised based on changed PRA parameters and the resulting revision to the MSPI coefficients in the SSES MSPI Basis Document. There is no safety significance associated with this change, and the color of the current High Pressure Coolant Injection Performance Indicator remains Green.

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)	-3.73E-09	-3.73E-09	1.48E-09	3.21E-09	3.21E-09	3.21E-09	3.04E-09	3.04E-09
URI (ΔCDF)	-6.19E-09	-6.19E-09	2.18E-08	2.02E-08	4.71E-08	4.71E-08	4.71E-08	4.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.90E-09**	**-9.90E-09**	**2.30E-08**	**2.30E-08**	**5.00E-08**	**5.00E-08**	**5.00E-08**	**5.00E-08**

Licensee Comments:

4Q/11: The 2Q2011 and 3Q2011 Unit 2 RCIC data is revised to account for the Ramp Generator Signal Converter (RGSC) failure in June 2011. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

4Q/10: Changed PRA Parameter(s). The Reactor Core Isolation Cooling data previously reported for the first, second, and third quarters of 2010 is revised based on changed PRA parameters and the resulting revision to the MSPI coefficients in the SSES MSPI Basis Document. There is no safety significance associated with this change, and the color of the current Reactor Core Isolation Cooling Performance Indicator remains Green.

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)	-1.51E-10	1.12E-10	2.79E-10	-7.59E-11	-5.24E-10	2.55E-10	1.28E-10	3.73E-10
URI (ΔCDF)	-1.30E-08	-1.32E-08	-1.49E-08	-1.51E-08	-1.52E-08	-1.53E-08	-1.51E-08	-1.56E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-1.30E-08**	**-1.50E-08**	**-1.50E-08**	**-1.60E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**

Licensee Comments:

4Q/10: Changed PRA Parameter(s). The Residual Heat Removal data previously reported for the first, second, and third quarters of 2010 is revised based on changed PRA parameters and the resulting revision to the MSPI coefficients in the SSES MSPI Basis Document. There is no safety significance associated with this change, and the color of the current Residual Heat Removal Performance Indicator remains Green.

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)	4.13E-08	4.13E-08	4.50E-08	2.66E-08	2.88E-08	2.87E-08	3.54E-08	4.01E-08
URI (ΔCDF)	-2.75E-08	-2.75E-08	-2.85E-08	-2.89E-08	-2.90E-08	-2.91E-08	-2.95E-08	-2.99E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-08**	**1.40E-08**	**1.60E-08**	**-2.30E-09**	**-2.80E-10**	**-4.20E-10**	**5.90E-09**	**1.00E-08**

Licensee Comments:

4Q/11: Previously reported data for 3Q2009, 2Q2010, and 3Q2010 is revised for operational non-test strokes of valves HV01224A1 and HV01224B1. This change provides more conservative values for the stroke count. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

4Q/10: Changed PRA Parameter(s). The Residual Heat Removal Service Water / Emergency Service Water data previously reported for the first, second, and third quarters of 2010 is revised based on changed PRA parameters and the resulting revision to the MSPI coefficients in the SSES MSPI Basis Document. There is no safety significance associated with this change, and the color of the current Residual Heat Removal Service Water / Emergency Service Water Performance Indicator remains Green.

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	0.000007	0.000008	0.000008	0.000008	0.000008	0.000010	0.000009	N/A	N/A	0.000004	0.000004	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**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	0.000005	0.000005	0.000005	0.000006	0.000005	0.000005	0.000007	0.000005	0.000004	0.000004	0.000005	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	1.650	1.650	1.640	1.620	1.630	1.660	1.620	N/A	1.430	1.640	1.670	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	**6.6**	**6.6**	**6.6**	**6.5**	**6.5**	**6.6**	**6.5**	**N/A**	**5.7**	**6.6**	**6.7**	**6.7**
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	1.740	1.650	1.650	1.650	1.640	1.630	1.630	1.630	1.640	1.700	1.660	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	**7.0**	**6.6**	**6.6**	**6.6**	**6.6**	**6.5**	**6.5**	**6.5**	**6.6**	**6.8**	**6.6**	**6.6**

Licensee Comments:

3/12: The Unit 2 RCSL data for May 2011 originally reported as 0 was changed to N/A because the unit was shutdown for the entire month of May. This change has no safety significance and has no effect on the PI color, which is green.

12/11: Previously reported data for Reactor Coolant System Leakage for the period from 1Q2010 through 2Q2011 is revised to provide the correct value for maximum monthly identified leakage. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful opportunities	18.0	0	21.0	21.0	10.0	23.0	12.0	32.0
Total opportunities	21.0	0	21.0	22.0	10.0	25.0	12.0	33.0
Indicator value	**94.1%**	**95.6%**	**96.0%**	**95.9%**	**96.2%**	**95.6%**	**95.2%**	**95.1%**

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	68.0	70.0	74.0	72.0	71.0	75.0	75.0	74.0
Total Key personnel	68.0	70.0	74.0	72.0	71.0	75.0	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

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	606	531	606	607	608	608	532	607
Total sirens-tests	608	532	608	608	608	608	532	608
Indicator value	**99.8%**	**99.7%**	**99.7%**	**99.7%**	**99.8%**	**99.9%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

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

Susquehanna 2

4Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned scrams	0	0	1.0	0	0	0	0	3.0
Critical hours	2159.0	213.2	2125.9	2209.0	2183.0	1829.5	2208.0	1562.3
Indicator value	**0**	**0**	**1.0**	**1.0**	**1.0**	**0.8**	**0**	**2.7**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2159.0	213.2	2125.9	2209.0	2183.0	1829.5	2208.0	1562.3
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**

Licensee Comments: none

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	2.0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**2.0**

Licensee Comments:

4Q/12: The Susquehanna Unit 2 Unplanned Scrams with Complications (USwC, IE-04) PI data previously reported for the 4th quarter 2012 is being changed by this mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI (IE-04) to change from Green to White. A White PI has low to moderate safety significance.

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments:

3Q/12: LER 388/2012-001-00, "Two Control Room Floor Cooling Systems Inoperable" was submitted to the NRC on July 9, 2012.

2Q/12: LER 387/2012-001-00, Both Control Structure Chillers Inoperable, was submitted on May 23, 2012. LER 387/2012-002-00, "B" Control Structure Chiller Inoperable Concurrent with "A" Emergency Diesel Generator Out of Service, was submitted to the NRC on June 4, 2012.

4Q/11: LER 50-388/2011-004-00, "Unit 2 HPCI Inoperability" submitted to the NRC on December 5, 2011.

1Q/11: LER 50-387/2011-001, Single Point Vulnerability, was submitted to the NRC on March 2, 2011.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**
UAI (ΔCDF)	-1.82E-08	-1.87E-08	2.94E-09	1.94E-07	1.94E-07	1.88E-07	1.79E-07	1.83E-07
URI (ΔCDF)	-6.06E-06	-6.59E-06	-6.62E-06	-6.12E-06	-6.11E-06	-6.06E-06	-5.90E-06	-5.84E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.10E-06**	**-6.60E-06**	**-6.60E-06**	**-5.90E-06**	**-5.90E-06**	**-5.90E-06**	**-5.70E-06**	**-5.70E-06**

Licensee Comments:

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked. The 3Q2011 Emergency AC Power System data is revised to include additional unavailable hours for the "C" diesel generator in September 2011. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

1Q/11: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	-3.58E-09	-3.55E-09	-3.54E-09	2.12E-09	2.12E-09	1.52E-09	1.52E-09	1.68E-09
URI (ΔCDF)	-5.37E-09	-5.37E-09	-5.34E-09	2.07E-08	2.07E-08	2.07E-08	2.07E-08	1.91E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.00E-09**	**-8.90E-09**	**-8.90E-09**	**2.30E-08**	**2.30E-08**	**2.20E-08**	**2.20E-08**	**2.10E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	-3.73E-09	1.48E-09	3.21E-09	3.21E-09	3.21E-09	3.04E-09	3.04E-09	3.23E-09
URI (ΔCDF)	-6.19E-09	2.18E-08	2.02E-08	4.71E-08	4.71E-08	4.71E-08	4.71E-08	3.32E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.90E-09**	**2.30E-08**	**2.30E-08**	**5.00E-08**	**5.00E-08**	**5.00E-08**	**5.00E-08**	**3.60E-08**

Licensee Comments:

4Q/11: The 2Q2011 and 3Q2011 Unit 2 RCIC data is revised to account for the Ramp Generator Signal Converter (RGSC) failure in June 2011. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**
UAI (ΔCDF)	1.12E-10	2.79E-10	-7.59E-11	-5.24E-10	2.55E-10	1.28E-10	3.73E-10	1.25E-09
URI (ΔCDF)	-1.32E-08	-1.49E-08	-1.51E-08	-1.52E-08	-1.53E-08	-1.51E-08	-1.56E-08	-1.64E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-1.50E-08**	**-1.50E-08**	**-1.60E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (ΔCDF)	4.13E-08	4.50E-08	2.66E-08	2.88E-08	2.87E-08	3.54E-08	4.01E-08	5.98E-08
URI (ΔCDF)	-2.75E-08	-2.85E-08	-2.89E-08	-2.90E-08	-2.91E-08	-2.95E-08	-2.99E-08	-3.04E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-08**	**1.60E-08**	**-2.30E-09**	**-2.80E-10**	**-4.20E-10**	**5.90E-09**	**1.00E-08**	**2.90E-08**

Licensee Comments:

4Q/11: Previously reported data for 3Q2009, 2Q2010, and 3Q2010 is revised for operational non-test strokes of valves HV01224A1 and HV01224B1. This change provides more conservative values for the stroke count. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

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	0.000008	0.000008	0.000010	0.000009	N/A	N/A	0.000004	0.000004	0.000004	0.000005	0.000005	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**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	0.000006	0.000005	0.000005	0.000007	0.000005	0.000004	0.000004	0.000005	0.000006	0.000004	0.000004	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1.620	1.630	1.660	1.620	N/A	1.430	1.640	1.670	1.680	1.740	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	**6.5**	**6.5**	**6.6**	**6.5**	**N/A**	**5.7**	**6.6**	**6.7**	**6.7**	**7.0**	**6.6**	**6.6**
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	1.650	1.640	1.630	1.630	1.630	1.640	1.700	1.660	1.650	1.491	1.600	1.700
Technical specification limit	25.0	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**	**6.5**	**6.5**	**6.5**	**6.6**	**6.8**	**6.6**	**6.6**	**6.0**	**6.4**	**6.8**

Licensee Comments:

3/12: The Unit 2 RCSL data for May 2011 originally reported as 0 was changed to N/A because the unit was shutdown for the entire month of May. This change has no safety significance and has no effect on the PI color, which is green.

12/11: Previously reported data for Reactor Coolant System Leakage for the period from 1Q2010 through 2Q2011 is revised to provide the correct value for maximum monthly identified leakage. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

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	0	21.0	21.0	10.0	23.0	12.0	32.0	7.0
Total opportunities	0	21.0	22.0	10.0	25.0	12.0	33.0	8.0
Indicator value	**95.6%**	**96.0%**	**95.9%**	**96.2%**	**95.6%**	**95.2%**	**95.1%**	**96.2%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Participating Key personnel	70.0	74.0	72.0	71.0	75.0	75.0	74.0	77.0
Total Key personnel	70.0	74.0	72.0	71.0	75.0	75.0	74.0	77.0
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	531	606	607	608	608	532	607	531
Total sirens-tests	532	608	608	608	608	532	608	532
Indicator value	**99.7%**	**99.7%**	**99.7%**	**99.8%**	**99.9%**	**100.0%**	**100.0%**	**99.9%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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.

Susquehanna 2

1Q/2013 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned scrams	0	1.0	0	0	0	0	3.0	0
Critical hours	213.2	2125.9	2209.0	2183.0	1829.5	2208.0	1562.3	2159.0
Indicator value	**0**	**1.0**	**1.0**	**1.0**	**0.8**	**0**	**2.7**	**2.7**

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	1.0	1.0
Critical hours	213.2	2125.9	2209.0	2183.0	1829.5	2208.0	1562.3	2159.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.9**	**1.8**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Scrams with complications	0	0	0	0	0	0	2.0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**2.0**	**2.0**

Licensee Comments:

1Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

4Q/12: The Susquehanna Unit 2 Unplanned Scrams with Complications (USwC, IE-04) PI data previously reported for the 4th quarter 2012 is being changed by this mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI (IE-04) to change from Green to White. A White PI has low to moderate safety significance.

Thresholds: White > 6.0

Notes

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

Licensee Comments:

1Q/13: LER 387/2012-010-00:Both Trains of Control Structure HVAC at Susquehanna Were Rendered Inoperable, submitted on February 12, 2013

3Q/12: LER 388/2012-001-00, "Two Control Room Floor Cooling Systems Inoperable" was submitted to the NRC on July 9, 2012.

2Q/12: LER 387/2012-001-00, Both Control Structure Chillers Inoperable, was submitted on May 23, 2012. LER 387/2012-002-00, "B" Control Structure Chiller Inoperable Concurrent with "A" Emergency Diesel Generator Out of Service, was submitted to the NRC on June 4, 2012.

4Q/11: LER 50-388/2011-004-00, "Unit 2 HPCI Inoperability" submitted to the NRC on December 5, 2011.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	-1.87E-08	2.94E-09	1.94E-07	1.94E-07	1.88E-07	1.79E-07	1.83E-07	1.99E-07
URI (ΔCDF)	-6.59E-06	-6.62E-06	-6.12E-06	-6.11E-06	-6.06E-06	-5.90E-06	-5.84E-06	-5.75E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.60E-06**	**-6.60E-06**	**-5.90E-06**	**-5.90E-06**	**-5.90E-06**	**-5.70E-06**	**-5.70E-06**	**-5.50E-06**

Licensee Comments:

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked. The 3Q2011 Emergency AC Power System data is revised to include additional unavailable hours for the "C" diesel generator in September 2011. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	-3.55E-09	-3.54E-09	2.12E-09	2.12E-09	1.52E-09	1.52E-09	1.68E-09	5.02E-09
URI (ΔCDF)	-5.37E-09	-5.34E-09	2.07E-08	2.07E-08	2.07E-08	2.07E-08	1.91E-08	1.91E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.90E-09**	**-8.90E-09**	**2.30E-08**	**2.30E-08**	**2.20E-08**	**2.20E-08**	**2.10E-08**	**2.40E-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/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	1.48E-09	3.21E-09	3.21E-09	3.21E-09	3.04E-09	3.04E-09	3.23E-09	3.23E-09
URI (ΔCDF)	2.18E-08	2.02E-08	4.71E-08	4.71E-08	4.71E-08	4.71E-08	3.32E-08	3.32E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.30E-08**	**2.30E-08**	**5.00E-08**	**5.00E-08**	**5.00E-08**	**5.00E-08**	**3.60E-08**	**3.60E-08**

Licensee Comments:

4Q/11: The 2Q2011 and 3Q2011 Unit 2 RCIC data is revised to account for the Ramp Generator Signal Converter (RGSC) failure in June 2011. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

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)	2.79E-10	-7.59E-11	-5.24E-10	2.55E-10	1.28E-10	3.73E-10	1.25E-09	1.75E-09
URI (ΔCDF)	-1.49E-08	-1.51E-08	-1.52E-08	-1.53E-08	-1.51E-08	-1.56E-08	-1.64E-08	-1.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-08**	**-1.50E-08**	**-1.60E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	4.50E-08	2.66E-08	2.88E-08	2.87E-08	3.54E-08	4.01E-08	5.98E-08	3.61E-08
URI (ΔCDF)	-2.85E-08	-2.89E-08	-2.90E-08	-2.91E-08	-2.95E-08	-2.99E-08	-3.04E-08	-3.04E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.60E-08**	**-2.30E-09**	**-2.80E-10**	**-4.20E-10**	**5.90E-09**	**1.00E-08**	**2.90E-08**	**5.70E-09**

Licensee Comments:

4Q/11: Previously reported data for 3Q2009, 2Q2010, and 3Q2010 is revised for operational non-test strokes of valves HV01224A1 and HV01224B1. This change provides more conservative values for the stroke count. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum activity	0.000009	N/A	N/A	0.000004	0.000004	0.000004	0.000005	0.000005	0.000005	0.000006	0.000005	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**N/A**	**N/A**	**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	0.000007	0.000005	0.000004	0.000004	0.000005	0.000006	0.000004	0.000004	0.000005	0.000005	0.000006	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum leakage	1.620	N/A	1.430	1.640	1.670	1.680	1.740	1.650	1.650	1.650	1.640	1.630
Technical specification limit	25.0	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**	**N/A**	**5.7**	**6.6**	**6.7**	**6.7**	**7.0**	**6.6**	**6.6**	**6.6**	**6.6**	**6.5**
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	1.630	1.630	1.640	1.700	1.660	1.650	1.491	1.600	1.700	1.650	1.650	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	**6.5**	**6.5**	**6.6**	**6.8**	**6.6**	**6.6**	**6.0**	**6.4**	**6.8**	**6.6**	**6.6**	**6.6**

Licensee Comments:

3/12: The Unit 2 RCSL data for May 2011 originally reported as 0 was changed to N/A because the unit was shutdown for the entire month of May. This change has no safety significance and has no effect on the PI color, which is green.

12/11: Previously reported data for Reactor Coolant System Leakage for the period from 1Q2010 through 2Q2011 is revised to provide the correct value for maximum monthly identified leakage. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

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	21.0	21.0	10.0	23.0	12.0	32.0	7.0	18.0
Total opportunities	21.0	22.0	10.0	25.0	12.0	33.0	8.0	18.0
Indicator value	**96.0%**	**95.9%**	**96.2%**	**95.6%**	**95.2%**	**95.1%**	**96.2%**	**96.6%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Participating Key personnel	74.0	72.0	71.0	75.0	75.0	74.0	77.0	80.0
Total Key personnel	74.0	72.0	71.0	75.0	75.0	74.0	77.0	80.0
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	606	607	608	608	532	607	531	608
Total sirens-tests	608	608	608	608	532	608	532	608
Indicator value	**99.7%**	**99.7%**	**99.8%**	**99.9%**	**100.0%**	**100.0%**	**99.9%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

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

Susquehanna 2

2Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned scrams	1.0	0	0	0	0	3.0	0	0
Critical hours	2125.9	2209.0	2183.0	1829.5	2208.0	1562.3	2159.0	1093.3
Indicator value	**1.0**	**1.0**	**1.0**	**0.8**	**0**	**2.7**	**2.7**	**3.0**

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	1.0	1.0	0
Critical hours	2125.9	2209.0	2183.0	1829.5	2208.0	1562.3	2159.0	1093.3
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.9**	**1.8**	**2.0**

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	2.0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**2.0**	**2.0**	**2.0**

Licensee Comments:

2Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

1Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

4Q/12: The Susquehanna Unit 2 Unplanned Scrams with Complications (USwC, IE-04) PI data previously reported for the 4th quarter 2012 is being changed by this mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after

the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI (IE-04) to change from Green to White. A White PI has low to moderate safety significance.

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

Licensee Comments:

1Q/13: LER 387/2012-010-00:Both Trains of Control Structure HVAC at Susquehanna Were Rendered Inoperable, submitted on February 12, 2013

3Q/12: LER 388/2012-001-00, "Two Control Room Floor Cooling Systems Inoperable" was submitted to the NRC on July 9, 2012.

2Q/12: LER 387/2012-001-00, Both Control Structure Chillers Inoperable, was submitted on May 23, 2012. LER 387/2012-002-00, "B" Control Structure Chiller Inoperable Concurrent with "A" Emergency Diesel Generator Out of Service, was submitted to the NRC on June 4, 2012.

4Q/11: LER 50-388/2011-004-00, "Unit 2 HPCI Inoperability" submitted to the NRC on December 5, 2011.

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)	2.94E-09	1.94E-07	1.94E-07	1.88E-07	1.79E-07	1.83E-07	1.99E-07	2.09E-07
URI (ΔCDF)	-6.62E-06	-6.12E-06	-6.11E-06	-6.06E-06	-5.90E-06	-5.84E-06	-5.75E-06	-5.71E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.60E-06**	**-5.90E-06**	**-5.90E-06**	**-5.90E-06**	**-5.70E-06**	**-5.70E-06**	**-5.50E-06**	**-5.50E-06**

Licensee Comments:

2Q/13: Risk Cap Invoked.

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked. The 3Q2011 Emergency AC Power System data is revised to include additional unavailable hours for the "C" diesel generator in September 2011. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**
UAI (ΔCDF)	-3.54E-09	2.12E-09	2.12E-09	1.52E-09	1.52E-09	1.68E-09	5.02E-09	5.45E-09
URI (ΔCDF)	-5.34E-09	2.07E-08	2.07E-08	2.07E-08	2.07E-08	1.91E-08	1.91E-08	1.91E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.90E-09**	**2.30E-08**	**2.30E-08**	**2.20E-08**	**2.20E-08**	**2.10E-08**	**2.40E-08**	**2.50E-08**

Licensee Comments: none

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)	3.21E-09	3.21E-09	3.21E-09	3.04E-09	3.04E-09	3.23E-09	3.23E-09	3.57E-09
URI (ΔCDF)	2.02E-08	4.71E-08	4.71E-08	4.71E-08	4.71E-08	3.32E-08	3.32E-08	3.32E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.30E-08**	**5.00E-08**	**5.00E-08**	**5.00E-08**	**5.00E-08**	**3.60E-08**	**3.60E-08**	**3.70E-08**

Licensee Comments:

4Q/11: The 2Q2011 and 3Q2011 Unit 2 RCIC data is revised to account for the Ramp Generator Signal Converter (RGSC) failure in June 2011. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

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)	-7.59E-11	-5.24E-10	2.55E-10	1.28E-10	3.73E-10	1.25E-09	1.75E-09	1.93E-09
URI (ΔCDF)	-1.51E-08	-1.52E-08	-1.53E-08	-1.51E-08	-1.56E-08	-1.64E-08	-1.65E-08	-1.72E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-08**	**-1.60E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**
UAI (ΔCDF)	2.66E-08	2.88E-08	2.87E-08	3.54E-08	4.01E-08	5.98E-08	3.61E-08	4.39E-08
URI (ΔCDF)	-2.89E-08	-2.90E-08	-2.91E-08	-2.95E-08	-2.99E-08	-3.04E-08	-3.04E-08	-3.07E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-09**	**-2.80E-10**	**-4.20E-10**	**5.90E-09**	**1.00E-08**	**2.90E-08**	**5.70E-09**	**1.30E-08**

Licensee Comments:

4Q/11: Previously reported data for 3Q2009, 2Q2010, and 3Q2010 is revised for operational non-test strokes of valves HV01224A1 and HV01224B1. This change provides more conservative values for the stroke count. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**
Maximum activity	0.000004	0.000004	0.000004	0.000005	0.000005	0.000005	0.000006	0.000005	0.000005	0.000007	0.000005	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**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	0.000004	0.000005	0.000006	0.000004	0.000004	0.000005	0.000005	0.000006	0.000006	0.000006	N/A	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	1.640	1.670	1.680	1.740	1.650	1.650	1.650	1.640	1.630	1.630	1.710	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	**6.6**	**6.7**	**6.7**	**7.0**	**6.6**	**6.6**	**6.6**	**6.6**	**6.5**	**6.5**	**6.8**	**6.6**
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	1.680	1.660	1.650	1.620	1.600	1.700	1.650	1.650	1.660	1.710	1.430	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	**6.7**	**6.6**	**6.6**	**6.5**	**6.4**	**6.8**	**6.6**	**6.6**	**6.6**	**6.8**	**5.7**	**7.3**

Licensee Comments:

6/13: Previously reported data for Reactor Coolant System Leakage for the months of May 2012, July 2012 and October 2012 is revised due to data entry errors. There is no safety significance associated with these changes. The PI color was green before the data revision and it remains green after the changes.

3/12: The Unit 2 RCSL data for May 2011 originally reported as 0 was changed to N/A because the unit was shutdown for the entire month of May. This change has no safety significance and has no effect on the PI color, which is green.

12/11: Previously reported data for Reactor Coolant System Leakage for the period from 1Q2010 through 2Q2011 is revised to provide the correct value for maximum monthly identified leakage. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

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	21.0	10.0	23.0	12.0	32.0	7.0	18.0	18.0
Total opportunities	22.0	10.0	25.0	12.0	33.0	8.0	18.0	18.0
Indicator value	**95.9%**	**96.2%**	**95.6%**	**95.2%**	**95.1%**	**96.2%**	**96.6%**	**96.6%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Participating Key personnel	72.0	71.0	75.0	75.0	74.0	77.0	80.0	82.0
Total Key personnel	72.0	71.0	75.0	75.0	74.0	77.0	80.0	82.0
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	607	608	608	532	607	531	608	532
Total sirens-tests	608	608	608	532	608	532	608	532
Indicator value	**99.7%**	**99.8%**	**99.9%**	**100.0%**	**100.0%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

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

Susquehanna 2

3Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned scrams	0	0	0	0	3.0	0	0	1.0
Critical hours	2209.0	2183.0	1829.5	2208.0	1562.3	2159.0	1093.3	1996.6
Indicator value	**1.0**	**1.0**	**0.8**	**0**	**2.7**	**2.7**	**3.0**	**4.1**

Licensee Comments:

3Q/13: Within the last four quarters, Susquehanna Unit 2 has experienced four reactor scrams. These events cause the NRC IE01 Unplanned Scrams per 7000 Critical Hours PI to cross the GREEN/WHITE threshold. A White PI has low to moderate safety significance.

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	1.0	1.0	0	0
Critical hours	2209.0	2183.0	1829.5	2208.0	1562.3	2159.0	1093.3	1996.6
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**1.8**	**2.0**	**2.1**

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	2.0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**2.0**	**2.0**	**2.0**	**2.0**

Licensee Comments:

3Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

2Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

1Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month

period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

4Q/12: The Susquehanna Unit 2 Unplanned Scrams with Complications (USwC, IE-04) PI data previously reported for the 4th quarter 2012 is being changed by this mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI (IE-04) to change from Green to White. A White PI has low to moderate safety significance.

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments:

1Q/13: LER 387/2012-010-00:Both Trains of Control Structure HVAC at Susquehanna Were Rendered Inoperable, submitted on February 12, 2013

3Q/12: LER 388/2012-001-00, "Two Control Room Floor Cooling Systems Inoperable" was submitted to the NRC

on July 9, 2012.

2Q/12: LER 387/2012-001-00, Both Control Structure Chillers Inoperable, was submitted on May 23, 2012. LER 387/2012-002-00, "B" Control Structure Chiller Inoperable Concurrent with "A" Emergency Diesel Generator Out of Service, was submitted to the NRC on June 4, 2012.

4Q/11: LER 50-388/2011-004-00, "Unit 2 HPCI Inoperability" submitted to the NRC on December 5, 2011.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	1.94E-07	1.94E-07	1.88E-07	1.79E-07	1.83E-07	1.99E-07	2.09E-07	2.14E-07
URI (ΔCDF)	-6.12E-06	-6.11E-06	-6.06E-06	-5.90E-06	-5.84E-06	-5.75E-06	-5.71E-06	-5.76E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.90E-06**	**-5.90E-06**	**-5.90E-06**	**-5.70E-06**	**-5.70E-06**	**-5.50E-06**	**-5.50E-06**	**-5.50E-06**

Licensee Comments:

3Q/13: Risk Cap Invoked.

2Q/13: Risk Cap Invoked.

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked. The 3Q2011 Emergency AC Power System data is revised to include additional unavailable hours for the "C" diesel generator in September 2011. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (ΔCDF)	2.12E-09	2.12E-09	1.52E-09	1.52E-09	1.68E-09	5.02E-09	5.45E-09	5.54E-09
URI (ΔCDF)	2.07E-08	2.07E-08	2.07E-08	2.07E-08	1.91E-08	1.91E-08	1.91E-08	1.83E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**2.30E-08**	**2.30E-08**	**2.20E-08**	**2.20E-08**	**2.10E-08**	**2.40E-08**	**2.50E-08**	**2.40E-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/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	3.21E-09	3.21E-09	3.04E-09	3.04E-09	3.23E-09	3.23E-09	3.57E-09	3.64E-09
URI (ΔCDF)	4.71E-08	4.71E-08	4.71E-08	4.71E-08	3.32E-08	3.32E-08	3.32E-08	3.24E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.00E-08**	**5.00E-08**	**5.00E-08**	**5.00E-08**	**3.60E-08**	**3.60E-08**	**3.70E-08**	**3.60E-08**

Licensee Comments:

4Q/11: The 2Q2011 and 3Q2011 Unit 2 RCIC data is revised to account for the Ramp Generator Signal Converter (RGSC) failure in June 2011. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

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)	-5.24E-10	2.55E-10	1.28E-10	3.73E-10	1.25E-09	1.75E-09	1.93E-09	1.67E-09
URI (ΔCDF)	-1.52E-08	-1.53E-08	-1.51E-08	-1.56E-08	-1.64E-08	-1.65E-08	-1.72E-08	-1.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**
UAI (ΔCDF)	2.88E-08	2.87E-08	3.54E-08	4.01E-08	5.98E-08	3.61E-08	4.39E-08	6.92E-08
URI (ΔCDF)	-2.90E-08	-2.91E-08	-2.95E-08	-2.99E-08	-3.04E-08	-3.04E-08	-3.07E-08	-3.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.80E-10**	**-4.20E-10**	**5.90E-09**	**1.00E-08**	**2.90E-08**	**5.70E-09**	**1.30E-08**	**3.80E-08**

Licensee Comments:

4Q/11: Previously reported data for 3Q2009, 2Q2010, and 3Q2010 is revised for operational non-test strokes of valves HV01224A1 and HV01224B1. This change provides more conservative values for the stroke count. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

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	0.000005	0.000005	0.000005	0.000006	0.000005	0.000005	0.000007	0.000005	0.000004	0.000004	0.000005	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**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	0.000004	0.000004	0.000005	0.000005	0.000006	0.000006	0.000006	N/A	0.000004	0.000004	0.000005	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	1.740	1.650	1.650	1.650	1.640	1.630	1.630	1.710	1.640	1.680	1.660	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	**7.0**	**6.6**	**6.6**	**6.6**	**6.6**	**6.5**	**6.5**	**6.8**	**6.6**	**6.7**	**6.6**	**6.6**
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	1.620	1.600	1.700	1.650	1.650	1.660	1.710	1.430	1.820	1.770	2.450	2.440
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.4**	**6.8**	**6.6**	**6.6**	**6.6**	**6.8**	**5.7**	**7.3**	**7.1**	**9.8**	**9.8**

Licensee Comments:

6/13: Previously reported data for Reactor Coolant System Leakage for the months of May 2012, July 2012 and October 2012 is revised due to data entry errors. There is no safety significance associated with these changes. The PI color was green before the data revision and it remains green after the changes.

3/12: The Unit 2 RCSL data for May 2011 originally reported as 0 was changed to N/A because the unit was shutdown for the entire month of May. This change has no safety significance and has no effect on the PI color, which is green.

12/11: Previously reported data for Reactor Coolant System Leakage for the period from 1Q2010 through 2Q2011 is revised to provide the correct value for maximum monthly identified leakage. There is no safety significance associated with this change. The PI color was green before the data revision and it remains green after the change.

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	10.0	23.0	12.0	32.0	7.0	18.0	18.0	19.0
Total opportunities	10.0	25.0	12.0	33.0	8.0	18.0	18.0	20.0
Indicator value	**96.2%**	**95.6%**	**95.2%**	**95.1%**	**96.2%**	**96.6%**	**96.6%**	**96.5%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Participating Key personnel	71.0	75.0	75.0	74.0	77.0	80.0	82.0	86.0
Total Key personnel	71.0	75.0	75.0	74.0	77.0	80.0	82.0	87.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.9%**

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	608	608	532	607	531	608	532	608
Total sirens-tests	608	608	532	608	532	608	532	608
Indicator value	**99.8%**	**99.9%**	**100.0%**	**100.0%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

Susquehanna 2

4Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned scrams	0	0	0	3.0	0	0	1.0	0
Critical hours	2183.0	1829.5	2208.0	1562.3	2159.0	1093.3	1996.6	2209.0
Indicator value	**1.0**	**0.8**	**0**	**2.7**	**2.7**	**3.0**	**4.1**	**0.9**

Licensee Comments:

3Q/13: Within the last four quarters, Susquehanna Unit 2 has experienced four reactor scrams. These events cause the NRC IE01 Unplanned Scrams per 7000 Critical Hours PI to cross the GREEN/WHITE threshold. A White PI has low to moderate safety significance.

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	1.0	1.0	0	0	0
Critical hours	2183.0	1829.5	2208.0	1562.3	2159.0	1093.3	1996.6	2209.0
Indicator value	**0**	**0**	**0**	**0.9**	**1.8**	**2.0**	**2.1**	**0.9**

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	2.0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**2.0**	**2.0**	**2.0**	**2.0**	**0.0**

Licensee Comments:

3Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

2Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

1Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month

period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

4Q/12: The Susquehanna Unit 2 Unplanned Scrams with Complications (USwC, IE-04) PI data previously reported for the 4th quarter 2012 is being changed by this mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI (IE-04) to change from Green to White. A White PI has low to moderate safety significance.

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

Licensee Comments:

1Q/13: LER 387/2012-010-00:Both Trains of Control Structure HVAC at Susquehanna Were Rendered Inoperable, submitted on February 12, 2013

3Q/12: LER 388/2012-001-00, "Two Control Room Floor Cooling Systems Inoperable" was submitted to the NRC

on July 9, 2012.

2Q/12: LER 387/2012-001-00, Both Control Structure Chillers Inoperable, was submitted on May 23, 2012. LER 387/2012-002-00, "B" Control Structure Chiller Inoperable Concurrent with "A" Emergency Diesel Generator Out of Service, was submitted to the NRC on June 4, 2012.

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)	1.94E-07	1.88E-07	1.79E-07	1.83E-07	1.99E-07	2.09E-07	2.14E-07	2.14E-07
URI (ΔCDF)	-6.11E-06	-6.06E-06	-5.90E-06	-5.84E-06	-5.75E-06	-5.71E-06	-5.76E-06	-5.78E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.90E-06**	**-5.90E-06**	**-5.70E-06**	**-5.70E-06**	**-5.50E-06**	**-5.50E-06**	**-5.50E-06**	**-5.60E-06**

Licensee Comments:

4Q/13: Risk Cap Invoked.

3Q/13: Risk Cap Invoked.

2Q/13: Risk Cap Invoked.

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	2.12E-09	1.52E-09	1.52E-09	1.68E-09	5.02E-09	5.45E-09	5.54E-09	5.54E-09
URI (ΔCDF)	2.07E-08	2.07E-08	2.07E-08	1.91E-08	1.91E-08	1.91E-08	1.83E-08	1.83E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.30E-08**	**2.20E-08**	**2.20E-08**	**2.10E-08**	**2.40E-08**	**2.50E-08**	**2.40E-08**	**2.40E-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/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	3.21E-09	3.04E-09	3.04E-09	3.23E-09	3.23E-09	3.57E-09	3.64E-09	3.64E-09
URI (ΔCDF)	4.71E-08	4.71E-08	4.71E-08	3.32E-08	3.32E-08	3.32E-08	3.24E-08	3.24E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.00E-08**	**5.00E-08**	**5.00E-08**	**3.60E-08**	**3.60E-08**	**3.70E-08**	**3.60E-08**	**3.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	2.55E-10	1.28E-10	3.73E-10	1.25E-09	1.75E-09	1.93E-09	1.67E-09	1.38E-09
URI (ΔCDF)	-1.53E-08	-1.51E-08	-1.56E-08	-1.64E-08	-1.65E-08	-1.72E-08	-1.71E-08	-1.69E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.60E-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	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	2.87E-08	3.54E-08	4.01E-08	5.98E-08	3.61E-08	4.39E-08	6.92E-08	6.79E-08
URI (ΔCDF)	-2.91E-08	-2.95E-08	-2.99E-08	-3.04E-08	-3.04E-08	-3.07E-08	-3.10E-08	-3.11E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.20E-10**	**5.90E-09**	**1.00E-08**	**2.90E-08**	**5.70E-09**	**1.30E-08**	**3.80E-08**	**3.70E-08**

Licensee Comments: none

Reactor Coolant System Activity

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	0.000006	0.000005	0.000005	0.000007	0.000005	0.000004	0.000004	0.000005	0.000006	0.000004	0.000004	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**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	0.000005	0.000006	0.000006	0.000006	N/A	0.000004	0.000004	0.000005	0.000004	0.000005	0.000006	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**N/A**	**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	1.650	1.640	1.630	1.630	1.710	1.640	1.680	1.660	1.650	1.620	1.600	1.700
Technical specification limit	25.0	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**	**6.5**	**6.5**	**6.8**	**6.6**	**6.7**	**6.6**	**6.6**	**6.5**	**6.4**	**6.8**
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	1.650	1.650	1.660	1.710	1.430	1.820	1.770	2.450	2.440	1.790	1.800	1.740
Technical specification limit	25.0	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**	**6.8**	**5.7**	**7.3**	**7.1**	**9.8**	**9.8**	**7.2**	**7.2**	**7.0**

Licensee Comments:

6/13: Previously reported data for Reactor Coolant System Leakage for the months of May 2012, July 2012 and October 2012 is revised due to data entry errors. There is no safety significance associated with these changes. The PI color was green before the data revision and it remains green after the changes.

3/12: The Unit 2 RCSL data for May 2011 originally reported as 0 was changed to N/A because the unit was shutdown for the entire month of May. This change has no safety significance and has no effect on the PI color, which is green.

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	23.0	12.0	32.0	7.0	18.0	18.0	19.0	26.0
Total opportunities	25.0	12.0	33.0	8.0	18.0	18.0	20.0	28.0
Indicator value	**95.6%**	**95.2%**	**95.1%**	**96.2%**	**96.6%**	**96.6%**	**96.5%**	**95.7%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Participating Key personnel	75.0	75.0	74.0	77.0	80.0	82.0	86.0	91.0
Total Key personnel	75.0	75.0	74.0	77.0	80.0	82.0	87.0	91.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.9%**	**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	608	532	607	531	608	532	608	532
Total sirens-tests	608	532	608	532	608	532	608	532
Indicator value	**99.9%**	**100.0%**	**100.0%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Susquehanna 2

1Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned scrams	0	0	3.0	0	0	1.0	0	0
Critical hours	1829.5	2208.0	1562.3	2159.0	1093.3	1996.6	2209.0	1714.3
Indicator value	**0.8**	**0**	**2.7**	**2.7**	**3.0**	**4.1**	**0.9**	**1.0**

Licensee Comments:

3Q/13: Within the last four quarters, Susquehanna Unit 2 has experienced four reactor scrams. These events cause the NRC IE01 Unplanned Scrams per 7000 Critical Hours PI to cross the GREEN/WHITE threshold. A White PI has low to moderate safety significance.

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	1.0	1.0	0	0	0	1.0
Critical hours	1829.5	2208.0	1562.3	2159.0	1093.3	1996.6	2209.0	1714.3
Indicator value	**0**	**0**	**0.9**	**1.8**	**2.0**	**2.1**	**0.9**	**1.0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Scrams with complications	0	0	2.0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**2.0**	**2.0**	**2.0**	**2.0**	**0.0**	**0.0**

Licensee Comments:

3Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

2Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

1Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month

period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

4Q/12: The Susquehanna Unit 2 Unplanned Scrams with Complications (USwC, IE-04) PI data previously reported for the 4th quarter 2012 is being changed by this mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI (IE-04) to change from Green to White. A White PI has low to moderate safety significance.

Safety System Functional Failures (BWR)

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

Licensee Comments:

1Q/14: LER 387/2013-007-00:Loss of Secondary Containment due to drawdown test failure, submitted on January 21, 2014

1Q/13: LER 387/2012-010-00:Both Trains of Control Structure HVAC at Susquehanna Were Rendered Inoperable,

submitted on February 12, 2013

3Q/12: LER 388/2012-001-00, "Two Control Room Floor Cooling Systems Inoperable" was submitted to the NRC on July 9, 2012.

2Q/12: LER 387/2012-001-00, Both Control Structure Chillers Inoperable, was submitted on May 23, 2012. LER 387/2012-002-00, "B" Control Structure Chiller Inoperable Concurrent with "A" Emergency Diesel Generator Out of Service, was submitted to the NRC on June 4, 2012.

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	1.88E-07	1.79E-07	1.83E-07	1.99E-07	2.09E-07	2.14E-07	2.14E-07	2.07E-07
URI (ΔCDF)	-6.06E-06	-5.90E-06	-5.84E-06	-5.75E-06	-5.71E-06	-5.76E-06	-5.78E-06	-5.69E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.90E-06**	**-5.70E-06**	**-5.70E-06**	**-5.50E-06**	**-5.50E-06**	**-5.50E-06**	**-5.60E-06**	**-5.50E-06**

Licensee Comments:

1Q/14: Risk Cap Invoked.

4Q/13: Risk Cap Invoked.

3Q/13: Risk Cap Invoked.

2Q/13: Risk Cap Invoked.

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

2Q/12: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (ΔCDF)	1.52E-09	1.52E-09	1.68E-09	5.02E-09	5.45E-09	5.54E-09	5.54E-09	5.74E-09
URI (ΔCDF)	2.07E-08	2.07E-08	1.91E-08	1.91E-08	1.91E-08	1.83E-08	1.83E-08	1.84E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**2.20E-08**	**2.20E-08**	**2.10E-08**	**2.40E-08**	**2.50E-08**	**2.40E-08**	**2.40E-08**	**2.40E-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/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	3.04E-09	3.04E-09	3.23E-09	3.23E-09	3.57E-09	3.64E-09	3.64E-09	3.79E-09
URI (ΔCDF)	4.71E-08	4.71E-08	3.32E-08	3.32E-08	3.32E-08	3.24E-08	3.24E-08	3.24E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.00E-08**	**5.00E-08**	**3.60E-08**	**3.60E-08**	**3.70E-08**	**3.60E-08**	**3.60E-08**	**3.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	1.28E-10	3.73E-10	1.25E-09	1.75E-09	1.93E-09	1.67E-09	1.38E-09	1.02E-09
URI (ΔCDF)	-1.51E-08	-1.56E-08	-1.64E-08	-1.65E-08	-1.72E-08	-1.71E-08	-1.69E-08	-1.72E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.60E-08**	**-1.60E-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/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**
UAI (ΔCDF)	3.54E-08	4.01E-08	5.98E-08	3.61E-08	4.39E-08	6.92E-08	6.79E-08	7.31E-08
URI (ΔCDF)	-2.95E-08	-2.99E-08	-3.04E-08	-3.04E-08	-3.07E-08	-3.10E-08	-3.11E-08	-3.12E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.90E-09**	**1.00E-08**	**2.90E-08**	**5.70E-09**	**1.30E-08**	**3.80E-08**	**3.70E-08**	**4.20E-08**

Licensee Comments: none

Reactor Coolant System Activity

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	0.000007	0.000005	0.000004	0.000004	0.000005	0.000006	0.000004	0.000004	0.000005	0.000005	0.000006	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**
Maximum activity	0.000006	N/A	0.000004	0.000004	0.000005	0.000004	0.000005	0.000006	0.000007	0.000006	0.000007	N/A
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**

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	1.630	1.710	1.640	1.680	1.660	1.650	1.620	1.600	1.700	1.650	1.650	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	**6.5**	**6.8**	**6.6**	**6.7**	**6.6**	**6.6**	**6.5**	**6.4**	**6.8**	**6.6**	**6.6**	**6.6**
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	1.710	1.430	1.820	1.770	2.450	2.440	1.790	1.800	1.740	1.740	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	**6.8**	**5.7**	**7.3**	**7.1**	**9.8**	**9.8**	**7.2**	**7.2**	**7.0**	**7.0**	**6.9**	**6.8**

Licensee Comments:

6/13: Previously reported data for Reactor Coolant System Leakage for the months of May 2012, July 2012 and October 2012 is revised due to data entry errors. There is no safety significance associated with these changes. The PI color was green before the data revision and it remains green after the changes.

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	12.0	32.0	7.0	18.0	18.0	19.0	26.0	58.0
Total opportunities	12.0	33.0	8.0	18.0	18.0	20.0	28.0	59.0
Indicator value	**95.2%**	**95.1%**	**96.2%**	**96.6%**	**96.6%**	**96.5%**	**95.7%**	**96.9%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Participating Key personnel	75.0	74.0	77.0	80.0	82.0	86.0	91.0	94.0
Total Key personnel	75.0	74.0	77.0	80.0	82.0	87.0	91.0	94.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.9%**	**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	532	607	531	608	532	608	532	608
Total sirens-tests	532	608	532	608	532	608	532	608
Indicator value	**100.0%**	**100.0%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**100.0%**

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	**1**	**1**	**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

Susquehanna 2

2Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: The SSES PRA Model was approved on January 20, 2014, which marks the release of the new PRA model of record. The corresponding MSPI Basis Document was approved on March 20, 2014. The PRA model revision was a full data update including data, events, HRA, and systems. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The revised values were incorporated into CDE effective as of Second Quarter, 2014. The values of all MSPI coefficients have been modified to coordinate with the results of the new PRA model.

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	3.0	0	0	1.0	0	0	0
Critical hours	2208.0	1562.3	2159.0	1093.3	1996.6	2209.0	1714.3	2051.6
Indicator value	**0**	**2.7**	**2.7**	**3.0**	**4.1**	**0.9**	**1.0**	**0.9**

Licensee Comments:

3Q/13: Within the last four quarters, Susquehanna Unit 2 has experienced four reactor scrams. These events

cause the NRC IE01 Unplanned Scrams per 7000 Critical Hours PI to cross the GREEN/WHITE threshold. A White PI has low to moderate safety significance.

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned power changes	0	1.0	1.0	0	0	0	1.0	0
Critical hours	2208.0	1562.3	2159.0	1093.3	1996.6	2209.0	1714.3	2051.6
Indicator value	**0**	**0.9**	**1.8**	**2.0**	**2.1**	**0.9**	**1.0**	**0.9**

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	2.0	0	0	0	0	0	0
Indicator value	**0.0**	**2.0**	**2.0**	**2.0**	**2.0**	**0.0**	**0.0**	**0.0**

Licensee Comments:

3Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

2Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

1Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month

period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

4Q/12: The Susquehanna Unit 2 Unplanned Scrams with Complications (USwC, IE-04) PI data previously reported for the 4th quarter 2012 is being changed by this mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI (IE-04) to change from Green to White. A White PI has low to moderate safety significance.

Safety System Functional Failures (BWR)

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

Licensee Comments:

2Q/14: LER 387(388) 2014-002-00: Secondary Containment Door Found Ajar; Submitted on April 9, 2014
LER387(388) 2014-003-00: Loss of Secondary Containment During TS SR 3.6.4.1.5 Drawdown Testing; Submitted on May 1, 2014

1Q/14: LER 387/2013-007-00:Loss of Secondary Containment due to drawdown test failure, submitted on January 21, 2014

1Q/13: LER 387/2012-010-00:Both Trains of Control Structure HVAC at Susquehanna Were Rendered Inoperable, submitted on February 12, 2013

3Q/12: LER 388/2012-001-00, "Two Control Room Floor Cooling Systems Inoperable" was submitted to the NRC on July 9, 2012.

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)	1.79E-07	1.83E-07	1.99E-07	2.09E-07	2.14E-07	2.14E-07	2.07E-07	4.80E-08
URI (ΔCDF)	-5.90E-06	-5.84E-06	-5.75E-06	-5.71E-06	-5.76E-06	-5.78E-06	-5.69E-06	-2.17E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.70E-06**	**-5.70E-06**	**-5.50E-06**	**-5.50E-06**	**-5.50E-06**	**-5.60E-06**	**-5.50E-06**	**-2.10E-06**

Licensee Comments:

2Q/14: Risk Cap Invoked.

1Q/14: Risk Cap Invoked.

4Q/13: Risk Cap Invoked.

3Q/13: Risk Cap Invoked.

2Q/13: Risk Cap Invoked.

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (ΔCDF)	1.52E-09	1.68E-09	5.02E-09	5.45E-09	5.54E-09	5.54E-09	5.74E-09	7.02E-09
URI (ΔCDF)	2.07E-08	1.91E-08	1.91E-08	1.91E-08	1.83E-08	1.83E-08	1.84E-08	3.03E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO

Indicator value	**2.20E-08**	**2.10E-08**	**2.40E-08**	**2.50E-08**	**2.40E-08**	**2.40E-08**	**2.40E-08**	**3.70E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	3.04E-09	3.23E-09	3.23E-09	3.57E-09	3.64E-09	3.64E-09	3.79E-09	-1.82E-09
URI (ΔCDF)	4.71E-08	3.32E-08	3.32E-08	3.32E-08	3.24E-08	3.24E-08	3.24E-08	1.68E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.00E-08**	**3.60E-08**	**3.60E-08**	**3.70E-08**	**3.60E-08**	**3.60E-08**	**3.60E-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	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	3.73E-10	1.25E-09	1.75E-09	1.93E-09	1.67E-09	1.38E-09	1.02E-09	5.05E-09
URI (ΔCDF)	-1.56E-08	-1.64E-08	-1.65E-08	-1.72E-08	-1.71E-08	-1.69E-08	-1.72E-08	-6.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.60E-08**	**-1.60E-08**	**-5.90E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	4.01E-08	5.98E-08	3.61E-08	4.39E-08	6.92E-08	6.79E-08	7.31E-08	5.31E-08
URI (ΔCDF)	-2.99E-08	-3.04E-08	-3.04E-08	-3.07E-08	-3.10E-08	-3.11E-08	-3.12E-08	-3.72E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-08**	**2.90E-08**	**5.70E-09**	**1.30E-08**	**3.80E-08**	**3.70E-08**	**4.20E-08**	**1.60E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**
Maximum activity	0.000004	0.000005	0.000006	0.000004	0.000004	0.000005	0.000005	0.000006	0.000006	0.000006	N/A	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**

Reactor Coolant System Activity	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**
Maximum activity	0.000004	0.000005	0.000004	0.000005	0.000006	0.000007	0.000006	0.000007	N/A	0.000005	0.000006	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	1.680	1.660	1.650	1.620	1.600	1.700	1.650	1.650	1.660	1.710	1.430	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	**6.7**	**6.6**	**6.6**	**6.5**	**6.4**	**6.8**	**6.6**	**6.6**	**6.6**	**6.8**	**5.7**	**7.3**
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	1.770	2.450	2.440	1.790	1.800	1.740	1.740	1.720	1.710	1.760	1.710	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	**7.1**	**9.8**	**9.8**	**7.2**	**7.2**	**7.0**	**7.0**	**6.9**	**6.8**	**7.0**	**6.8**	**6.8**

Licensee Comments:

6/13: Previously reported data for Reactor Coolant System Leakage for the months of May 2012, July 2012 and October 2012 is revised due to data entry errors. There is no safety significance associated with these changes. The PI color was green before the data revision and it remains green after the changes.

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	32.0	7.0	18.0	18.0	19.0	26.0	58.0	26.0
Total opportunities	33.0	8.0	18.0	18.0	20.0	28.0	59.0	26.0
Indicator value	**95.1%**	**96.2%**	**96.6%**	**96.6%**	**96.5%**	**95.7%**	**96.9%**	**97.1%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Participating Key personnel	74.0	77.0	80.0	82.0	86.0	91.0	94.0	90.0
Total Key personnel	74.0	77.0	80.0	82.0	87.0	91.0	94.0	90.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**98.9%**	**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	607	531	608	532	608	532	608	530
Total sirens-tests	608	532	608	532	608	532	608	532
Indicator value	**100.0%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**100.0%**	**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	**1**	**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

Susquehanna 2

3Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned scrams	3.0	0	0	1.0	0	0	0	0
Critical hours	1562.3	2159.0	1093.3	1996.6	2209.0	1714.3	2051.6	1949.8
Indicator value	**2.7**	**2.7**	**3.0**	**4.1**	**0.9**	**1.0**	**0.9**	**0**

Licensee Comments:

3Q/13: Within the last four quarters, Susquehanna Unit 2 has experienced four reactor scrams. These events cause the NRC IE01 Unplanned Scrams per 7000 Critical Hours PI to cross the GREEN/WHITE threshold. A White PI has low to moderate safety significance.

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned power changes	1.0	1.0	0	0	0	1.0	0	0
Critical hours	1562.3	2159.0	1093.3	1996.6	2209.0	1714.3	2051.6	1949.8
Indicator value	**0.9**	**1.8**	**2.0**	**2.1**	**0.9**	**1.0**	**0.9**	**0.9**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Scrams with complications	2.0	0	0	0	0	0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments:

3Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

2Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

1Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month

period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

4Q/12: The Susquehanna Unit 2 Unplanned Scrams with Complications (USwC, IE-04) PI data previously reported for the 4th quarter 2012 is being changed by this mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI (IE-04) to change from Green to White. A White PI has low to moderate safety significance.

Safety System Functional Failures (BWR)

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

Licensee Comments:

2Q/14: LER 387(388) 2014-002-00: Secondary Containment Door Found Ajar; Submitted on April 9, 2014
LER387(388) 2014-003-00: Loss of Secondary Containment During TS SR 3.6.4.1.5 Drawdown Testing; Submitted on May 1, 2014

1Q/14: LER 387/2013-007-00:Loss of Secondary Containment due to drawdown test failure, submitted on January 21, 2014

1Q/13: LER 387/2012-010-00:Both Trains of Control Structure HVAC at Susquehanna Were Rendered Inoperable, submitted on February 12, 2013

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)	1.83E-07	1.99E-07	2.09E-07	2.14E-07	2.14E-07	2.07E-07	4.80E-08	4.13E-08
URI (ΔCDF)	-5.84E-06	-5.75E-06	-5.71E-06	-5.76E-06	-5.78E-06	-5.69E-06	-2.17E-06	-2.09E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.70E-06**	**-5.50E-06**	**-5.50E-06**	**-5.50E-06**	**-5.60E-06**	**-5.50E-06**	**-2.10E-06**	**-2.10E-06**

Licensee Comments:

3Q/14: Risk Cap Invoked.

2Q/14: Risk Cap Invoked.

1Q/14: Risk Cap Invoked.

4Q/13: Risk Cap Invoked.

3Q/13: Risk Cap Invoked.

2Q/13: Risk Cap Invoked.

1Q/13: Risk Cap Invoked.

4Q/12: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (ΔCDF)	1.68E-09	5.02E-09	5.45E-09	5.54E-09	5.54E-09	5.74E-09	7.02E-09	7.11E-09
URI (ΔCDF)	1.91E-08	1.91E-08	1.91E-08	1.83E-08	1.83E-08	1.84E-08	3.03E-08	3.03E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.10E-08**	**2.40E-08**	**2.50E-08**	**2.40E-08**	**2.40E-08**	**2.40E-08**	**3.70E-08**	**3.70E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	3.23E-09	3.23E-09	3.57E-09	3.64E-09	3.64E-09	3.79E-09	-1.82E-09	-1.24E-09
URI (ΔCDF)	3.32E-08	3.32E-08	3.32E-08	3.24E-08	3.24E-08	3.24E-08	1.68E-08	1.75E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.60E-08**	**3.60E-08**	**3.70E-08**	**3.60E-08**	**3.60E-08**	**3.60E-08**	**1.50E-08**	**1.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	1.25E-09	1.75E-09	1.93E-09	1.67E-09	1.38E-09	1.02E-09	5.05E-09	6.10E-09
URI (ΔCDF)	-1.64E-08	-1.65E-08	-1.72E-08	-1.71E-08	-1.69E-08	-1.72E-08	-6.40E-08	-6.38E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.60E-08**	**-1.60E-08**	**-5.90E-08**	**-5.80E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	5.98E-08	3.61E-08	4.39E-08	6.92E-08	6.79E-08	7.31E-08	5.31E-08	6.52E-08
URI (ΔCDF)	-3.04E-08	-3.04E-08	-3.07E-08	-3.10E-08	-3.11E-08	-3.12E-08	-3.72E-08	-3.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.90E-08**	**5.70E-09**	**1.30E-08**	**3.80E-08**	**3.70E-08**	**4.20E-08**	**1.60E-08**	**2.70E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**
Maximum activity	0.000004	0.000004	0.000005	0.000005	0.000006	0.000006	0.000006	N/A	0.000004	0.000004	0.000005	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000005	0.000006	0.000007	0.000006	0.000007	N/A	0.000005	0.000006	0.000006	0.000006	0.000006	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	1.620	1.600	1.700	1.650	1.650	1.660	1.710	1.430	1.820	1.770	2.450	2.440
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.4**	**6.8**	**6.6**	**6.6**	**6.6**	**6.8**	**5.7**	**7.3**	**7.1**	**9.8**	**9.8**
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	1.790	1.800	1.740	1.740	1.720	1.710	1.760	1.710	1.710	1.730	1.740	1.750
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.2**	**7.2**	**7.0**	**7.0**	**6.9**	**6.8**	**7.0**	**6.8**	**6.8**	**6.9**	**7.0**	**7.0**

Licensee Comments:

6/13: Previously reported data for Reactor Coolant System Leakage for the months of May 2012, July 2012 and October 2012 is revised due to data entry errors. There is no safety significance associated with these changes. The PI color was green before the data revision and it remains green after the changes.

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	7.0	18.0	17.0	19.0	24.0	56.0	25.0	36.0
Total opportunities	8.0	18.0	18.0	20.0	25.0	59.0	26.0	38.0
Indicator value	**96.9%**	**97.3%**	**96.6%**	**96.5%**	**96.2%**	**96.4%**	**96.1%**	**95.3%**

Licensee Comments:

3Q/14: Data for Drill / Exercise Performance was revised based on reevaluation of the data over the past two years. Specifically, data was revised for the following time periods: July 2012; April, Nov & Dec 2013; Feb, March & June 2014. The PI color was Green before the revisions and remains Green after the revisions for each of the time periods. There is no safety significance associated with these revisions.

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	77.0	80.0	82.0	86.0	91.0	94.0	90.0	86.0
Total Key personnel	77.0	80.0	82.0	87.0	91.0	94.0	90.0	86.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**98.9%**	**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	531	608	532	608	532	608	530	684
Total sirens-tests	532	608	532	608	532	608	532	684
Indicator value	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**100.0%**	**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

Susquehanna 2

4Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2159.0	1093.3	1996.6	2209.0	1714.3	2051.6	1949.8	2209.0
Indicator value	**2.7**	**3.0**	**4.1**	**0.9**	**1.0**	**0.9**	**0**	**0**

Licensee Comments:

3Q/13: Within the last four quarters, Susquehanna Unit 2 has experienced four reactor scrams. These events cause the NRC IE01 Unplanned Scrams per 7000 Critical Hours PI to cross the GREEN/WHITE threshold. A White PI has low to moderate safety significance.

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	1.0	0	0	0	1.0	0	0	0
Critical hours	2159.0	1093.3	1996.6	2209.0	1714.3	2051.6	1949.8	2209.0
Indicator value	**1.8**	**2.0**	**2.1**	**0.9**	**1.0**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments:

3Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

2Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

1Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month

period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

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

Licensee Comments:

2Q/14: LER 387(388) 2014-002-00: Secondary Containment Door Found Ajar; Submitted on April 9, 2014
LER387(388) 2014-003-00: Loss of Secondary Containment During TS SR 3.6.4.1.5 Drawdown Testing; Submitted on May 1, 2014

1Q/14: LER 387/2013-007-00:Loss of Secondary Containment due to drawdown test failure, submitted on January 21, 2014

1Q/13: LER 387/2012-010-00:Both Trains of Control Structure HVAC at Susquehanna Were Rendered Inoperable, submitted on February 12, 2013

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	1.99E-07	2.09E-07	2.14E-07	2.14E-07	2.07E-07	4.80E-08	4.13E-08	-6.10E-09
URI (ΔCDF)	-5.75E-06	-5.71E-06	-5.76E-06	-5.78E-06	-5.69E-06	-2.17E-06	-2.09E-06	-2.09E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.50E-06**	**-5.50E-06**	**-5.50E-06**	**-5.60E-06**	**-5.50E-06**	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**

Licensee Comments:

3Q/14: Risk Cap Invoked.

2Q/14: Risk Cap Invoked.

1Q/14: Risk Cap Invoked.

4Q/13: Risk Cap Invoked.

3Q/13: Risk Cap Invoked.

2Q/13: Risk Cap Invoked.

1Q/13: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	5.02E-09	5.45E-09	5.54E-09	5.54E-09	5.74E-09	7.02E-09	7.11E-09	7.57E-11
URI (ΔCDF)	1.91E-08	1.91E-08	1.83E-08	1.83E-08	1.84E-08	3.03E-08	3.03E-08	-9.30E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.40E-08**	**2.50E-08**	**2.40E-08**	**2.40E-08**	**2.40E-08**	**3.70E-08**	**3.70E-08**	**-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/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	3.23E-09	3.57E-09	3.64E-09	3.64E-09	3.79E-09	-1.82E-09	-1.24E-09	-1.36E-09
URI (ΔCDF)	3.32E-08	3.32E-08	3.24E-08	3.24E-08	3.24E-08	1.68E-08	1.75E-08	-1.25E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.60E-08**	**3.70E-08**	**3.60E-08**	**3.60E-08**	**3.60E-08**	**1.50E-08**	**1.60E-08**	**-1.40E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	1.75E-09	1.93E-09	1.67E-09	1.38E-09	1.02E-09	5.05E-09	6.10E-09	1.25E-08
URI (ΔCDF)	-1.65E-08	-1.72E-08	-1.71E-08	-1.69E-08	-1.72E-08	-6.40E-08	-6.38E-08	-6.38E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-08**	**-1.50E-08**	**-1.50E-08**	**-1.60E-08**	**-1.60E-08**	**-5.90E-08**	**-5.80E-08**	**-5.10E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**
UAI (ΔCDF)	3.61E-08	4.39E-08	6.92E-08	6.79E-08	7.31E-08	5.31E-08	6.52E-08	6.39E-08
URI (ΔCDF)	-3.04E-08	-3.07E-08	-3.10E-08	-3.11E-08	-3.12E-08	-3.72E-08	-3.80E-08	-3.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.70E-09**	**1.30E-08**	**3.80E-08**	**3.70E-08**	**4.20E-08**	**1.60E-08**	**2.70E-08**	**2.50E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**
Maximum activity	0.000005	0.000006	0.000006	0.000006	N/A	0.000004	0.000004	0.000005	0.000004	0.000005	0.000006	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**
Maximum activity	0.000006	0.000007	N/A	0.000005	0.000006	0.000006	0.000006	0.000006	0.000006	0.000008	0.000007	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**N/A**	**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	1.650	1.650	1.660	1.710	1.430	1.820	1.770	2.450	2.440	1.790	1.800	1.740
Technical specification limit	25.0	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**	**6.8**	**5.7**	**7.3**	**7.1**	**9.8**	**9.8**	**7.2**	**7.2**	**7.0**
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	1.740	1.720	1.710	1.760	1.710	1.710	1.730	1.740	1.750	1.790	1.760	1.750
Technical specification limit	25.0	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**	**6.9**	**6.8**	**7.0**	**6.8**	**6.8**	**6.9**	**7.0**	**7.0**	**7.2**	**7.0**	**7.0**

Licensee Comments:

6/13: Previously reported data for Reactor Coolant System Leakage for the months of May 2012, July 2012 and October 2012 is revised due to data entry errors. There is no safety significance associated with these changes. The PI color was green before the data revision and it remains green after the changes.

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful opportunities	18.0	17.0	19.0	24.0	56.0	25.0	36.0	20.0
Total opportunities	18.0	18.0	20.0	25.0	59.0	26.0	38.0	22.0
Indicator value	**97.3%**	**96.6%**	**96.5%**	**96.2%**	**96.4%**	**96.1%**	**95.3%**	**95.1%**

Licensee Comments:

3Q/14: Data for Drill / Exercise Performance was revised based on reevaluation of the data over the past two years. Specifically, data was revised for the following time periods: July 2012; April, Nov & Dec 2013; Feb, March & June 2014. The PI color was Green before the revisions and remains Green after the revisions for each of the time periods. There is no safety significance associated with these revisions.

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	80.0	82.0	86.0	91.0	94.0	90.0	86.0	82.0
Total Key personnel	80.0	82.0	87.0	91.0	94.0	90.0	86.0	82.0
Indicator value	**100.0%**	**100.0%**	**98.9%**	**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	608	532	608	532	608	530	684	532
Total sirens-tests	608	532	608	532	608	532	684	532
Indicator value	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**100.0%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

Susquehanna 2

1Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	1093.3	1996.6	2209.0	1714.3	2051.6	1949.8	2209.0	2159.0
Indicator value	**3.0**	**4.1**	**0.9**	**1.0**	**0.9**	**0**	**0**	**0**

Licensee Comments:

3Q/13: Within the last four quarters, Susquehanna Unit 2 has experienced four reactor scrams. These events cause the NRC IE01 Unplanned Scrams per 7000 Critical Hours PI to cross the GREEN/WHITE threshold. A White PI has low to moderate safety significance.

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	1093.3	1996.6	2209.0	1714.3	2051.6	1949.8	2209.0	2159.0
Indicator value	**2.0**	**2.1**	**0.9**	**1.0**	**0.9**	**0.9**	**0.9**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**2.0**	**2.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments:

3Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

2Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

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

Licensee Comments:

2Q/14: LER 387(388) 2014-002-00: Secondary Containment Door Found Ajar; Submitted on April 9, 2014
LER387(388) 2014-003-00: Loss of Secondary Containment During TS SR 3.6.4.1.5 Drawdown Testing; Submitted on May 1, 2014

1Q/14: LER 387/2013-007-00:Loss of Secondary Containment due to drawdown test failure, submitted on January 21, 2014

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)	2.09E-07	2.14E-07	2.14E-07	2.07E-07	4.80E-08	4.13E-08	-6.10E-09	-6.04E-09
URI (ΔCDF)	-5.71E-06	-5.76E-06	-5.78E-06	-5.69E-06	-2.17E-06	-2.09E-06	-2.09E-06	-2.04E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.50E-06**	**-5.50E-06**	**-5.60E-06**	**-5.50E-06**	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**	**-2.00E-06**

Licensee Comments:

3Q/14: Risk Cap Invoked.

2Q/14: Risk Cap Invoked.

1Q/14: Risk Cap Invoked.

4Q/13: Risk Cap Invoked.

3Q/13: Risk Cap Invoked.

2Q/13: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	5.45E-09	5.54E-09	5.54E-09	5.74E-09	7.02E-09	7.11E-09	7.57E-11	8.16E-11
URI (ΔCDF)	1.91E-08	1.83E-08	1.83E-08	1.84E-08	3.03E-08	3.03E-08	-9.30E-09	-9.30E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.50E-08**	**2.40E-08**	**2.40E-08**	**2.40E-08**	**3.70E-08**	**3.70E-08**	**-9.20E-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	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	3.57E-09	3.64E-09	3.64E-09	3.79E-09	-1.82E-09	-1.24E-09	-1.36E-09	-1.35E-09
URI (ΔCDF)	3.32E-08	3.24E-08	3.24E-08	3.24E-08	1.68E-08	1.75E-08	-1.25E-08	-1.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.70E-08**	**3.60E-08**	**3.60E-08**	**3.60E-08**	**1.50E-08**	**1.60E-08**	**-1.40E-08**	**-1.40E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	1.93E-09	1.67E-09	1.38E-09	1.02E-09	5.05E-09	6.10E-09	1.25E-08	8.79E-09
URI (ΔCDF)	-1.72E-08	-1.71E-08	-1.69E-08	-1.72E-08	-6.40E-08	-6.38E-08	-6.38E-08	1.88E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-08**	**-1.50E-08**	**-1.60E-08**	**-1.60E-08**	**-5.90E-08**	**-5.80E-08**	**-5.10E-08**	**2.80E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	4.39E-08	6.92E-08	6.79E-08	7.31E-08	5.31E-08	6.52E-08	6.39E-08	6.18E-08
URI (ΔCDF)	-3.07E-08	-3.10E-08	-3.11E-08	-3.12E-08	-3.72E-08	-3.80E-08	-3.89E-08	-3.94E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.30E-08**	**3.80E-08**	**3.70E-08**	**4.20E-08**	**1.60E-08**	**2.70E-08**	**2.50E-08**	**2.20E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**
Maximum activity	0.000006	N/A	0.000004	0.000004	0.000005	0.000004	0.000005	0.000006	0.000007	0.000006	0.000007	N/A
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**

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	0.000005	0.000006	0.000006	0.000006	0.000006	0.000006	0.000008	0.000007	0.000006	0.000006	0.000006	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	1.710	1.430	1.820	1.770	2.450	2.440	1.790	1.800	1.740	1.740	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	**6.8**	**5.7**	**7.3**	**7.1**	**9.8**	**9.8**	**7.2**	**7.2**	**7.0**	**7.0**	**6.9**	**6.8**
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	1.760	1.710	1.710	1.730	1.740	1.750	1.790	1.760	1.750	1.770	1.760	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	**7.0**	**6.8**	**6.8**	**6.9**	**7.0**	**7.0**	**7.2**	**7.0**	**7.0**	**7.1**	**7.0**	**7.2**

Licensee Comments:

6/13: Previously reported data for Reactor Coolant System Leakage for the months of May 2012, July 2012 and October 2012 is revised due to data entry errors. There is no safety significance associated with these changes. The PI color was green before the data revision and it remains green after the changes.

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	17.0	19.0	24.0	56.0	25.0	36.0	20.0	29.0
Total opportunities	18.0	20.0	25.0	59.0	26.0	38.0	22.0	30.0
Indicator value	**96.6%**	**96.5%**	**96.2%**	**96.4%**	**96.1%**	**95.3%**	**95.1%**	**95.0%**

Licensee Comments:

3Q/14: Data for Drill / Exercise Performance was revised based on reevaluation of the data over the past two years. Specifically, data was revised for the following time periods: July 2012; April, Nov & Dec 2013; Feb, March & June 2014. The PI color was Green before the revisions and remains Green after the revisions for each of the time periods. There is no safety significance associated with these revisions.

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	82.0	86.0	91.0	94.0	90.0	86.0	82.0	78.0
Total Key personnel	82.0	87.0	91.0	94.0	90.0	86.0	82.0	78.0
Indicator value	**100.0%**	**98.9%**	**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	532	608	532	608	530	684	532	532
Total sirens-tests	532	608	532	608	532	684	532	532
Indicator value	**99.9%**	**100.0%**	**100.0%**	**100.0%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

Susquehanna 2

2Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned scrams	1.0	0	0	0	0	0	0	1.0
Critical hours	1996.6	2209.0	1714.3	2051.6	1949.8	2209.0	2159.0	1153.9
Indicator value	**4.1**	**0.9**	**1.0**	**0.9**	**0**	**0**	**0**	**0.9**

Licensee Comments:

3Q/13: Within the last four quarters, Susquehanna Unit 2 has experienced four reactor scrams. These events cause the NRC IE01 Unplanned Scrams per 7000 Critical Hours PI to cross the GREEN/WHITE threshold. A White PI has low to moderate safety significance.

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	1996.6	2209.0	1714.3	2051.6	1949.8	2209.0	2159.0	1153.9
Indicator value	**2.1**	**0.9**	**1.0**	**0.9**	**0.9**	**0.9**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**2.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments:

3Q/13: The 4th quarter 2012 Unplanned Scrams with Complications PI (IE04) was changed by a mid-quarter report from one to two USwC. After further review, the December 16, 2012 Unit 2 scram was determined to be a USwC in accordance with the regulatory guidance documents because it required re-entry into an Emergency Operating Procedure (EOP) after the scram had occurred . This additional USwC during the current 12 month period caused the color of the USwC PI to change from Green to White. A White PI has low to moderate safety significance.

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

Licensee Comments:

2Q/14: LER 387(388) 2014-002-00: Secondary Containment Door Found Ajar; Submitted on April 9, 2014
LER387(388) 2014-003-00: Loss of Secondary Containment During TS SR 3.6.4.1.5 Drawdown Testing; Submitted on May 1, 2014

1Q/14: LER 387/2013-007-00:Loss of Secondary Containment due to drawdown test failure, submitted on January 21, 2014

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	2.14E-07	2.14E-07	2.07E-07	4.80E-08	4.13E-08	-6.10E-09	-6.04E-09	-5.95E-09
URI (ΔCDF)	-5.76E-06	-5.78E-06	-5.69E-06	-2.17E-06	-2.09E-06	-2.09E-06	-2.04E-06	-2.09E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.50E-06**	**-5.60E-06**	**-5.50E-06**	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**	**-2.00E-06**	**-2.10E-06**

Licensee Comments:

3Q/14: Risk Cap Invoked.

2Q/14: Risk Cap Invoked.

1Q/14: Risk Cap Invoked.

4Q/13: Risk Cap Invoked.

3Q/13: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	5.54E-09	5.54E-09	5.74E-09	7.02E-09	7.11E-09	7.57E-11	8.16E-11	2.54E-10
URI (ΔCDF)	1.83E-08	1.83E-08	1.84E-08	3.03E-08	3.03E-08	-9.30E-09	-9.30E-09	-9.36E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.40E-08**	**2.40E-08**	**2.40E-08**	**3.70E-08**	**3.70E-08**	**-9.20E-09**	**-9.20E-09**	**-9.10E-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/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (ΔCDF)	3.64E-09	3.64E-09	3.79E-09	-1.82E-09	-1.24E-09	-1.36E-09	-1.35E-09	-1.29E-09
URI (ΔCDF)	3.24E-08	3.24E-08	3.24E-08	1.68E-08	1.75E-08	-1.25E-08	-1.29E-08	-1.31E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.60E-08**	**3.60E-08**	**3.60E-08**	**1.50E-08**	**1.60E-08**	**-1.40E-08**	**-1.40E-08**	**-1.40E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	1.67E-09	1.38E-09	1.02E-09	5.05E-09	6.10E-09	1.25E-08	8.79E-09	9.38E-09
URI (ΔCDF)	-1.71E-08	-1.69E-08	-1.72E-08	-6.40E-08	-6.38E-08	-6.38E-08	1.88E-08	1.75E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-08**	**-1.60E-08**	**-1.60E-08**	**-5.90E-08**	**-5.80E-08**	**-5.10E-08**	**2.80E-08**	**2.70E-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	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	6.92E-08	6.79E-08	7.31E-08	5.31E-08	6.52E-08	6.39E-08	6.18E-08	6.72E-08
URI (ΔCDF)	-3.10E-08	-3.11E-08	-3.12E-08	-3.72E-08	-3.80E-08	-3.89E-08	-3.94E-08	-4.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.80E-08**	**3.70E-08**	**4.20E-08**	**1.60E-08**	**2.70E-08**	**2.50E-08**	**2.20E-08**	**2.70E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**
Maximum activity	0.000004	0.000005	0.000004	0.000005	0.000006	0.000007	0.000006	0.000007	N/A	0.000005	0.000006	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000006	0.000006	0.000006	0.000008	0.000007	0.000006	0.000006	0.000006	0.000007	0.000006	N/A	0.000003
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	1.770	2.450	2.440	1.790	1.800	1.740	1.740	1.720	1.710	1.760	1.710	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	**7.1**	**9.8**	**9.8**	**7.2**	**7.2**	**7.0**	**7.0**	**6.9**	**6.8**	**7.0**	**6.8**	**6.8**
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	1.730	1.740	1.750	1.790	1.760	1.750	1.770	1.760	1.790	1.780	1.730	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	**6.9**	**7.0**	**7.0**	**7.2**	**7.0**	**7.0**	**7.1**	**7.0**	**7.2**	**7.1**	**6.9**	**7.2**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful opportunities	19.0	24.0	56.0	25.0	36.0	20.0	29.0	40.0
Total opportunities	20.0	25.0	59.0	26.0	38.0	22.0	30.0	40.0
Indicator value	**96.5%**	**96.2%**	**96.4%**	**96.1%**	**95.3%**	**95.1%**	**95.0%**	**95.8%**

Licensee Comments:

3Q/14: Data for Drill / Exercise Performance was revised based on reevaluation of the data over the past two years. Specifically, data was revised for the following time periods: July 2012; April, Nov & Dec 2013; Feb, March & June 2014. The PI color was Green before the revisions and remains Green after the revisions for each of the time periods. There is no safety significance associated with these revisions.

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	86.0	91.0	94.0	90.0	86.0	82.0	78.0	80.0
Total Key personnel	87.0	91.0	94.0	90.0	86.0	82.0	78.0	80.0
Indicator value	**98.9%**	**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	608	532	608	530	684	532	532	532
Total sirens-tests	608	532	608	532	684	532	532	532
Indicator value	**100.0%**	**100.0%**	**100.0%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

Susquehanna 2

3Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	2209.0	1714.3	2051.6	1949.8	2209.0	2159.0	1153.9	2208.0
Indicator value	**0.9**	**1.0**	**0.9**	**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	1.0	0	0	0	0	0	0
Critical hours	2209.0	1714.3	2051.6	1949.8	2209.0	2159.0	1153.9	2208.0
Indicator value	**0.9**	**1.0**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

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

Licensee Comments:

2Q/14: LER 387(388) 2014-002-00: Secondary Containment Door Found Ajar; Submitted on April 9, 2014
LER387(388) 2014-003-00: Loss of Secondary Containment During TS SR 3.6.4.1.5 Drawdown Testing; Submitted on May 1, 2014

1Q/14: LER 387/2013-007-00:Loss of Secondary Containment due to drawdown test failure, submitted on January 21, 2014

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)	2.14E-07	2.07E-07	4.80E-08	4.13E-08	-6.10E-09	-6.04E-09	-5.95E-09	-6.72E-09
URI (ΔCDF)	-5.78E-06	-5.69E-06	-2.17E-06	-2.09E-06	-2.09E-06	-2.04E-06	-2.09E-06	-2.10E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.60E-06**	**-5.50E-06**	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**	**-2.00E-06**	**-2.10E-06**	**-2.10E-06**

Licensee Comments:

3Q/14: Risk Cap Invoked.

2Q/14: Risk Cap Invoked.

1Q/14: Risk Cap Invoked.

4Q/13: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	5.54E-09	5.74E-09	7.02E-09	7.11E-09	7.57E-11	8.16E-11	2.54E-10	2.54E-10
URI (ΔCDF)	1.83E-08	1.84E-08	3.03E-08	3.03E-08	-9.30E-09	-9.30E-09	-9.36E-09	-9.36E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.40E-08**	**2.40E-08**	**3.70E-08**	**3.70E-08**	**-9.20E-09**	**-9.20E-09**	**-9.10E-09**	**-9.10E-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	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	3.64E-09	3.79E-09	-1.82E-09	-3.38E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09
URI (ΔCDF)	3.24E-08	3.24E-08	1.68E-08	1.75E-08	-1.25E-08	-1.27E-08	-1.29E-08	-1.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.60E-08**	**3.60E-08**	**1.50E-08**	**1.40E-08**	**-1.60E-08**	**-1.60E-08**	**-1.60E-08**	**-1.60E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	1.38E-09	1.02E-09	5.05E-09	6.10E-09	1.25E-08	8.79E-09	9.38E-09	7.21E-09
URI (ΔCDF)	-1.69E-08	-1.72E-08	-6.40E-08	-6.38E-08	-6.38E-08	1.88E-08	1.75E-08	2.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-08**	**-1.60E-08**	**-5.90E-08**	**-5.80E-08**	**-5.10E-08**	**2.80E-08**	**2.70E-08**	**3.10E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	6.79E-08	7.31E-08	5.31E-08	6.52E-08	6.39E-08	6.18E-08	6.72E-08	7.46E-08
URI (ΔCDF)	-3.11E-08	-3.12E-08	-3.72E-08	-3.80E-08	-3.89E-08	-3.94E-08	-4.00E-08	-4.08E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.70E-08**	**4.20E-08**	**1.60E-08**	**2.70E-08**	**2.50E-08**	**2.20E-08**	**2.70E-08**	**3.40E-08**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**
Maximum activity	0.000005	0.000006	0.000007	0.000006	0.000007	N/A	0.000005	0.000006	0.000006	0.000006	0.000006	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000008	0.000007	0.000006	0.000006	0.000006	0.000007	0.000006	N/A	0.000003	0.000004	0.000004	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	1.790	1.800	1.740	1.740	1.720	1.710	1.760	1.710	1.710	1.730	1.740	1.750
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.2**	**7.2**	**7.0**	**7.0**	**6.9**	**6.8**	**7.0**	**6.8**	**6.8**	**6.9**	**7.0**	**7.0**
Reactor Coolant System Leakage	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**
Maximum leakage	1.790	1.760	1.750	1.770	1.760	1.790	1.780	1.730	1.800	1.840	1.840	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	**7.2**	**7.0**	**7.0**	**7.1**	**7.0**	**7.2**	**7.1**	**6.9**	**7.2**	**7.4**	**7.4**	**7.2**

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	24.0	56.0	25.0	36.0	20.0	29.0	40.0	49.0
Total opportunities	25.0	59.0	26.0	38.0	22.0	30.0	40.0	53.0
Indicator value	**96.2%**	**96.4%**	**96.1%**	**95.3%**	**95.1%**	**95.0%**	**95.8%**	**95.2%**

Licensee Comments:

3Q/14: Data for Drill / Exercise Performance was revised based on reevaluation of the data over the past two years. Specifically, data was revised for the following time periods: July 2012; April, Nov & Dec 2013; Feb, March & June 2014. The PI color was Green before the revisions and remains Green after the revisions for each of the time periods. There is no safety significance associated with these revisions.

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	91.0	94.0	90.0	86.0	82.0	78.0	80.0	80.0
Total Key personnel	91.0	94.0	90.0	86.0	82.0	78.0	80.0	80.0
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/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful siren-tests	532	608	530	684	532	532	532	608
Total sirens-tests	532	608	532	684	532	532	532	608
Indicator value	**100.0%**	**100.0%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

Susquehanna 2

4Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	1714.3	2051.6	1949.8	2209.0	2159.0	1153.9	2208.0	2209.0
Indicator value	**1.0**	**0.9**	**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	1.0	0	0	0	0	0	0	0
Critical hours	1714.3	2051.6	1949.8	2209.0	2159.0	1153.9	2208.0	2209.0
Indicator value	**1.0**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

Licensee Comments:

2Q/14: LER 387(388) 2014-002-00: Secondary Containment Door Found Ajar; Submitted on April 9, 2014
LER387(388) 2014-003-00: Loss of Secondary Containment During TS SR 3.6.4.1.5 Drawdown Testing; Submitted on May 1, 2014

1Q/14: LER 387/2013-007-00:Loss of Secondary Containment due to drawdown test failure, submitted on January 21, 2014

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	2.07E-07	4.80E-08	4.13E-08	-6.10E-09	-6.04E-09	-5.95E-09	-6.72E-09	-6.88E-09
URI (ΔCDF)	-5.69E-06	-2.17E-06	-2.09E-06	-2.09E-06	-2.04E-06	-2.09E-06	-2.10E-06	-2.09E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.50E-06**	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**	**-2.00E-06**	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**

Licensee Comments:

4Q/15: Risk Cap Invoked.

3Q/14: Risk Cap Invoked.

2Q/14: Risk Cap Invoked.

1Q/14: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	5.74E-09	7.02E-09	7.11E-09	7.57E-11	8.16E-11	2.54E-10	2.54E-10	8.88E-11
URI (ΔCDF)	1.84E-08	3.03E-08	3.03E-08	-9.30E-09	-9.30E-09	-9.36E-09	-9.36E-09	-8.51E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.40E-08**	**3.70E-08**	**3.70E-08**	**-9.20E-09**	**-9.20E-09**	**-9.10E-09**	**-9.10E-09**	**-8.40E-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	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (ΔCDF)	3.79E-09	-1.82E-09	-3.38E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09
URI (ΔCDF)	3.24E-08	1.68E-08	1.75E-08	-1.25E-08	-1.27E-08	-1.29E-08	-1.29E-08	-9.14E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.60E-08**	**1.50E-08**	**1.40E-08**	**-1.60E-08**	**-1.60E-08**	**-1.60E-08**	**-1.60E-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/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	1.02E-09	5.05E-09	6.10E-09	1.25E-08	8.79E-09	9.38E-09	7.21E-09	7.13E-10
URI (ΔCDF)	-1.72E-08	-6.40E-08	-6.38E-08	-6.38E-08	1.88E-08	1.75E-08	2.40E-08	2.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-08**	**-5.90E-08**	**-5.80E-08**	**-5.10E-08**	**2.80E-08**	**2.70E-08**	**3.10E-08**	**3.00E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	7.31E-08	5.31E-08	6.52E-08	6.39E-08	6.18E-08	6.72E-08	7.46E-08	5.55E-08
URI (ΔCDF)	-3.12E-08	-3.72E-08	-3.80E-08	-3.89E-08	-3.94E-08	-4.00E-08	-4.08E-08	-4.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.20E-08**	**1.60E-08**	**2.70E-08**	**2.50E-08**	**2.20E-08**	**2.70E-08**	**3.40E-08**	**1.50E-08**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**
Maximum activity	0.000006	0.000007	N/A	0.000005	0.000006	0.000006	0.000006	0.000006	0.000006	0.000008	0.000007	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**N/A**	**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	0.000006	0.000006	0.000007	0.000006	N/A	0.000003	0.000004	0.000004	0.000004	0.000003	0.000004	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**N/A**	**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	1.740	1.720	1.710	1.760	1.710	1.710	1.730	1.740	1.750	1.790	1.760	1.750
Technical specification limit	25.0	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**	**6.9**	**6.8**	**7.0**	**6.8**	**6.8**	**6.9**	**7.0**	**7.0**	**7.2**	**7.0**	**7.0**
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	1.770	1.760	1.790	1.780	1.730	1.800	1.840	1.840	1.800	1.800	1.760	1.750
Technical specification limit	25.0	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**	**7.0**	**7.2**	**7.1**	**6.9**	**7.2**	**7.4**	**7.4**	**7.2**	**7.2**	**7.0**	**7.0**

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	56.0	25.0	36.0	20.0	29.0	40.0	49.0	32.0
Total opportunities	59.0	26.0	38.0	22.0	30.0	40.0	53.0	35.0
Indicator value	**96.4%**	**96.1%**	**95.3%**	**95.1%**	**95.0%**	**95.8%**	**95.2%**	**94.7%**

Licensee Comments:

3Q/14: Data for Drill / Exercise Performance was revised based on reevaluation of the data over the past two years. Specifically, data was revised for the following time periods: July 2012; April, Nov & Dec 2013; Feb, March & June 2014. The PI color was Green before the revisions and remains Green after the revisions for each of the time periods. There is no safety significance associated with these revisions.

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	94.0	90.0	86.0	82.0	78.0	80.0	80.0	87.0
Total Key personnel	94.0	90.0	86.0	82.0	78.0	80.0	80.0	87.0
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	608	530	684	532	532	532	608	608
Total sirens-tests	608	532	684	532	532	532	608	608
Indicator value	**100.0%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

Susquehanna 2

1Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2051.6	1949.8	2209.0	2159.0	1153.9	2208.0	2209.0	2183.0
Indicator value	**0.9**	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2051.6	1949.8	2209.0	2159.0	1153.9	2208.0	2209.0	2183.0
Indicator value	**0.9**	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Safety System Functional Failures	2	0	0	0	0	1	0	1
Indicator value	**4**	**4**	**4**	**2**	**0**	**1**	**1**	**2**

Licensee Comments:

1Q/16: LER 387(388)/2015-014

2Q/14: LER 387(388) 2014-002-00: Secondary Containment Door Found Ajar; Submitted on April 9, 2014
LER387(388) 2014-003-00: Loss of Secondary Containment During TS SR 3.6.4.1.5 Drawdown Testing; Submitted on May 1, 2014

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	4.80E-08	4.13E-08	-6.10E-09	-6.04E-09	-5.95E-09	-6.72E-09	-6.88E-09	-8.63E-09
URI (ΔCDF)	-2.17E-06	-2.09E-06	-2.09E-06	-2.04E-06	-2.09E-06	-2.10E-06	-2.09E-06	-2.10E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**	**-2.00E-06**	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**

Licensee Comments:

4Q/15: Risk Cap Invoked.

3Q/14: Risk Cap Invoked.

2Q/14: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	7.02E-09	7.11E-09	7.57E-11	8.16E-11	2.54E-10	2.54E-10	8.88E-11	-4.65E-09
URI (ΔCDF)	3.03E-08	3.03E-08	-9.30E-09	-9.30E-09	-9.36E-09	-9.36E-09	-8.51E-09	-8.45E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.70E-08**	**3.70E-08**	**-9.20E-09**	**-9.20E-09**	**-9.10E-09**	**-9.10E-09**	**-8.40E-09**	**-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	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	-1.82E-09	-3.38E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09
URI (ΔCDF)	1.68E-08	1.75E-08	-1.25E-08	-1.27E-08	-1.29E-08	-1.29E-08	-9.14E-09	-9.14E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.50E-08**	**1.40E-08**	**-1.60E-08**	**-1.60E-08**	**-1.60E-08**	**-1.60E-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	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	5.05E-09	6.10E-09	1.25E-08	8.79E-09	9.38E-09	7.21E-09	7.13E-10	-1.55E-09
URI (ΔCDF)	-6.40E-08	-6.38E-08	-6.38E-08	1.88E-08	1.75E-08	2.40E-08	2.90E-08	3.16E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.90E-08**	**-5.80E-08**	**-5.10E-08**	**2.80E-08**	**2.70E-08**	**3.10E-08**	**3.00E-08**	**3.00E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	5.31E-08	6.52E-08	6.39E-08	6.18E-08	6.72E-08	7.46E-08	5.55E-08	5.54E-08
URI (ΔCDF)	-3.72E-08	-3.80E-08	-3.89E-08	-3.94E-08	-4.00E-08	-4.08E-08	-4.10E-08	-4.16E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.60E-08**	**2.70E-08**	**2.50E-08**	**2.20E-08**	**2.70E-08**	**3.40E-08**	**1.50E-08**	**1.40E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**
Maximum activity	0.000005	0.000006	0.000006	0.000006	0.000006	0.000006	0.000008	0.000007	0.000006	0.000006	0.000006	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**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	0.000006	N/A	0.000003	0.000004	0.000004	0.000004	0.000003	0.000004	0.000004	0.000004	0.000004	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	1.760	1.710	1.710	1.730	1.740	1.750	1.790	1.760	1.750	1.770	1.760	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	**7.0**	**6.8**	**6.8**	**6.9**	**7.0**	**7.0**	**7.2**	**7.0**	**7.0**	**7.1**	**7.0**	**7.2**
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	1.780	1.730	1.820	1.840	1.840	1.800	1.800	1.760	1.750	1.740	1.720	1.740
Technical specification limit	25.0	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**	**6.9**	**7.3**	**7.4**	**7.4**	**7.2**	**7.2**	**7.0**	**7.0**	**7.0**	**6.9**	**7.0**

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	25.0	36.0	20.0	29.0	40.0	49.0	32.0	18.0
Total opportunities	26.0	38.0	22.0	30.0	40.0	53.0	35.0	19.0
Indicator value	**96.1%**	**95.3%**	**95.1%**	**95.0%**	**95.8%**	**95.2%**	**94.7%**	**94.7%**

Licensee Comments:

3Q/14: Data for Drill / Exercise Performance was revised based on reevaluation of the data over the past two years. Specifically, data was revised for the following time periods: July 2012; April, Nov & Dec 2013; Feb, March & June 2014. The PI color was Green before the revisions and remains Green after the revisions for each of the time periods. There is no safety significance associated with these revisions.

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	90.0	86.0	82.0	78.0	80.0	80.0	87.0	84.0
Total Key personnel	90.0	86.0	82.0	78.0	80.0	80.0	87.0	84.0
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	530	684	532	532	532	608	608	532
Total sirens-tests	532	684	532	532	532	608	608	532
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

Susquehanna 2

2Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned scrams	0	0	0	1.0	0	0	0	1.0
Critical hours	1949.8	2209.0	2159.0	1153.9	2208.0	2209.0	2183.0	2110.1
Indicator value	**0**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1949.8	2209.0	2159.0	1153.9	2208.0	2209.0	2183.0	2110.1
Indicator value	**0.9**	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

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

Licensee Comments:

1Q/16: LER 387(388)/2015-014

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	4.13E-08	-6.10E-09	-6.04E-09	-5.95E-09	-6.72E-09	-6.88E-09	-8.63E-09	-8.11E-09
URI (ΔCDF)	-2.09E-06	-2.09E-06	-2.04E-06	-2.09E-06	-2.10E-06	-2.09E-06	-2.10E-06	-1.66E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-06**	**-2.10E-06**	**-2.00E-06**	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**	**-1.70E-06**

Licensee Comments:

4Q/15: Risk Cap Invoked.

3Q/14: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	7.11E-09	7.57E-11	8.16E-11	2.54E-10	2.54E-10	8.88E-11	-4.65E-09	-4.70E-09
URI (ΔCDF)	3.03E-08	-9.30E-09	-9.30E-09	-9.36E-09	-9.36E-09	-8.51E-09	-8.45E-09	-8.92E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.70E-08**	**-9.20E-09**	**-9.20E-09**	**-9.10E-09**	**-9.10E-09**	**-8.40E-09**	**-1.30E-08**	**-1.40E-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/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	-3.38E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09
URI (ΔCDF)	1.75E-08	-1.25E-08	-1.27E-08	-1.29E-08	-1.29E-08	-9.14E-09	-9.14E-09	-9.46E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-08**	**-1.60E-08**	**-1.60E-08**	**-1.60E-08**	**-1.60E-08**	**-1.30E-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/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	6.10E-09	1.25E-08	8.79E-09	9.38E-09	7.21E-09	7.13E-10	-1.55E-09	-1.80E-09
URI (ΔCDF)	-6.38E-08	-6.38E-08	1.88E-08	1.75E-08	2.40E-08	2.90E-08	3.16E-08	3.83E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.80E-08**	**-5.10E-08**	**2.80E-08**	**2.70E-08**	**3.10E-08**	**3.00E-08**	**3.00E-08**	**3.70E-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	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	6.52E-08	6.39E-08	6.18E-08	6.72E-08	7.46E-08	5.55E-08	5.54E-08	5.10E-08
URI (ΔCDF)	-3.80E-08	-3.89E-08	-3.94E-08	-4.00E-08	-4.08E-08	-4.10E-08	-4.16E-08	-4.21E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.70E-08**	**2.50E-08**	**2.20E-08**	**2.70E-08**	**3.40E-08**	**1.50E-08**	**1.40E-08**	**8.90E-09**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**
Maximum activity	0.000006	0.000006	0.000006	0.000008	0.000007	0.000006	0.000006	0.000006	0.000007	0.000006	N/A	0.000003
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000004	0.000004	0.000004	0.000003	0.000004	0.000004	0.000004	0.000004	0.000005	0.000004	0.000005	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**
Maximum leakage	1.730	1.740	1.750	1.790	1.760	1.750	1.770	1.760	1.790	1.780	1.730	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	**6.9**	**7.0**	**7.0**	**7.2**	**7.0**	**7.0**	**7.1**	**7.0**	**7.2**	**7.1**	**6.9**	**7.3**
Reactor Coolant System Leakage	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**
Maximum leakage	1.840	1.840	1.800	1.800	1.760	1.750	1.740	1.720	1.740	1.730	1.770	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	**7.4**	**7.4**	**7.2**	**7.2**	**7.0**	**7.0**	**7.0**	**6.9**	**7.0**	**6.9**	**7.1**	**7.1**

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful opportunities	36.0	20.0	29.0	40.0	49.0	32.0	18.0	47.0
Total opportunities	38.0	22.0	30.0	40.0	53.0	35.0	19.0	49.0
Indicator value	**95.3%**	**95.1%**	**95.0%**	**95.8%**	**95.2%**	**94.7%**	**94.7%**	**94.8%**

Licensee Comments:

3Q/14: Data for Drill / Exercise Performance was revised based on reevaluation of the data over the past two years. Specifically, data was revised for the following time periods: July 2012; April, Nov & Dec 2013; Feb, March & June 2014. The PI color was Green before the revisions and remains Green after the revisions for each of the time periods. There is no safety significance associated with these revisions.

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	86.0	82.0	78.0	80.0	80.0	87.0	84.0	79.0
Total Key personnel	86.0	82.0	78.0	80.0	80.0	87.0	84.0	79.0
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	684	532	532	532	608	608	532	608
Total sirens-tests	684	532	532	532	608	608	532	608
Indicator value	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

Susquehanna 2

3Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned scrams	0	0	1.0	0	0	0	1.0	0
Critical hours	2209.0	2159.0	1153.9	2208.0	2209.0	2183.0	2110.1	2208.0
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2209.0	2159.0	1153.9	2208.0	2209.0	2183.0	2110.1	2208.0
Indicator value	**0.9**	**0**	**0**	**0**	**0**	**0**	**0**	**0.8**

Licensee Comments: none

Thresholds: White > 1.0

Notes

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

Licensee Comments:

1Q/16: LER 387(388)/2015-014

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)	-6.10E-09	-6.04E-09	-5.95E-09	-6.72E-09	-6.88E-09	-8.63E-09	-8.11E-09	-7.13E-09
URI (ΔCDF)	-2.09E-06	-2.04E-06	-2.09E-06	-2.10E-06	-2.09E-06	-2.10E-06	-1.66E-06	-1.59E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-06**	**-2.00E-06**	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**	**-1.70E-06**	**-1.60E-06**

Licensee Comments:

3Q/16: Risk Cap Invoked.

4Q/15: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	7.57E-11	8.16E-11	2.54E-10	2.54E-10	8.88E-11	-4.65E-09	-4.70E-09	-4.70E-09
URI (ΔCDF)	-9.30E-09	-9.30E-09	-9.36E-09	-9.36E-09	-8.51E-09	-8.45E-09	-8.92E-09	-8.49E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.20E-09**	**-9.20E-09**	**-9.10E-09**	**-9.10E-09**	**-8.40E-09**	**-1.30E-08**	**-1.40E-08**	**-1.30E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09
URI (ΔCDF)	-1.25E-08	-1.27E-08	-1.29E-08	-1.29E-08	-9.14E-09	-9.14E-09	-9.46E-09	-9.13E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-08**	**-1.60E-08**	**-1.60E-08**	**-1.60E-08**	**-1.30E-08**	**-1.30E-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	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	1.25E-08	8.79E-09	9.38E-09	7.21E-09	7.13E-10	-1.55E-09	-1.80E-09	-2.71E-10
URI (ΔCDF)	-6.38E-08	1.88E-08	1.75E-08	2.40E-08	2.90E-08	3.16E-08	3.83E-08	4.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.10E-08**	**2.80E-08**	**2.70E-08**	**3.10E-08**	**3.00E-08**	**3.00E-08**	**3.70E-08**	**4.70E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	6.39E-08	6.18E-08	6.72E-08	7.46E-08	5.55E-08	5.54E-08	5.10E-08	2.89E-08
URI (ΔCDF)	-3.89E-08	-3.94E-08	-4.00E-08	-4.08E-08	-4.10E-08	-4.16E-08	-4.21E-08	-4.28E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.50E-08**	**2.20E-08**	**2.70E-08**	**3.40E-08**	**1.50E-08**	**1.40E-08**	**8.90E-09**	**-1.40E-08**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**
Maximum activity	0.000008	0.000007	0.000006	0.000006	0.000006	0.000007	0.000006	N/A	0.000003	0.000004	0.000004	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000003	0.000004	0.000004	0.000004	0.000004	0.000005	0.000004	0.000005	0.000006	0.000006	0.000006	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**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	1.790	1.760	1.750	1.770	1.760	1.790	1.780	1.730	1.820	1.840	1.840	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	**7.2**	**7.0**	**7.0**	**7.1**	**7.0**	**7.2**	**7.1**	**6.9**	**7.3**	**7.4**	**7.4**	**7.2**
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	1.800	1.760	1.750	1.740	1.720	1.740	1.730	1.770	1.770	1.760	1.750	1.740
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.2**	**7.0**	**7.0**	**7.0**	**6.9**	**7.0**	**6.9**	**7.1**	**7.1**	**7.0**	**7.0**	**7.0**

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	20.0	29.0	40.0	49.0	32.0	18.0	47.0	44.0
Total opportunities	22.0	30.0	40.0	53.0	35.0	19.0	49.0	44.0
Indicator value	**95.1%**	**95.0%**	**95.8%**	**95.2%**	**94.7%**	**94.7%**	**94.8%**	**95.5%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Participating Key personnel	82.0	78.0	80.0	80.0	87.0	84.0	79.0	78.0
Total Key personnel	82.0	78.0	80.0	80.0	87.0	84.0	79.0	78.0
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	532	532	532	608	608	532	608	607
Total sirens-tests	532	532	532	608	608	532	608	608
Indicator value	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/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

Susquehanna 2

4Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned scrams	0	1.0	0	0	0	1.0	0	0
Critical hours	2159.0	1153.9	2208.0	2209.0	2183.0	2110.1	2208.0	2072.5
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**0.8**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned power changes	0	0	0	0	0	0	1.0	1.0
Critical hours	2159.0	1153.9	2208.0	2209.0	2183.0	2110.1	2208.0	2072.5
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.8**	**1.6**

Licensee Comments: none

Thresholds: White > 1.0

Notes

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

Licensee Comments:

1Q/16: LER 387(388)/2015-014

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)	-6.04E-09	-5.95E-09	-6.72E-09	-6.88E-09	-8.63E-09	-8.11E-09	-7.13E-09	-7.24E-09
URI (ΔCDF)	-2.04E-06	-2.09E-06	-2.10E-06	-2.09E-06	-2.10E-06	-1.66E-06	-1.59E-06	-1.53E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.00E-06**	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**	**-1.70E-06**	**-1.60E-06**	**-1.50E-06**

Licensee Comments:

4Q/16: Risk Cap Invoked.

3Q/16: Risk Cap Invoked.

4Q/15: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	8.16E-11	2.54E-10	2.54E-10	8.88E-11	-4.65E-09	-4.70E-09	-4.70E-09	-4.70E-09
URI (ΔCDF)	-9.30E-09	-9.36E-09	-9.36E-09	-8.51E-09	-8.45E-09	-8.92E-09	-8.49E-09	-8.49E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.20E-09**	**-9.10E-09**	**-9.10E-09**	**-8.40E-09**	**-1.30E-08**	**-1.40E-08**	**-1.30E-08**	**-1.30E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09
URI (ΔCDF)	-1.27E-08	-1.29E-08	-1.29E-08	-9.14E-09	-9.14E-09	-9.46E-09	-9.13E-09	-9.45E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-08**	**-1.60E-08**	**-1.60E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-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/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	8.79E-09	9.38E-09	7.21E-09	7.13E-10	-1.55E-09	-1.80E-09	-2.71E-10	5.56E-09
URI (ΔCDF)	1.88E-08	1.75E-08	2.40E-08	2.90E-08	3.16E-08	3.83E-08	4.71E-08	4.63E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.80E-08**	**2.70E-08**	**3.10E-08**	**3.00E-08**	**3.00E-08**	**3.70E-08**	**4.70E-08**	**5.20E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	6.18E-08	6.72E-08	7.46E-08	5.55E-08	5.54E-08	5.10E-08	2.89E-08	3.91E-08
URI (ΔCDF)	-3.94E-08	-4.00E-08	-4.08E-08	-4.10E-08	-4.16E-08	-4.21E-08	-4.28E-08	-4.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.20E-08**	**2.70E-08**	**3.40E-08**	**1.50E-08**	**1.40E-08**	**8.90E-09**	**-1.40E-08**	**-3.70E-09**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**
Maximum activity	0.000006	0.000006	0.000007	0.000006	N/A	0.000003	0.000004	0.000004	0.000004	0.000003	0.000004	0.000004
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**N/A**	**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	0.000004	0.000004	0.000005	0.000004	0.000005	0.000006	0.000006	0.000006	0.000007	0.000005	0.000006	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

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	1.770	1.760	1.790	1.780	1.730	1.820	1.840	1.840	1.800	1.800	1.760	1.750
Technical specification limit	25.0	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**	**7.0**	**7.2**	**7.1**	**6.9**	**7.3**	**7.4**	**7.4**	**7.2**	**7.2**	**7.0**	**7.0**
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	1.740	1.720	1.740	1.730	1.770	1.770	1.760	1.750	1.740	1.760	1.750	1.750
Technical specification limit	25.0	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**	**6.9**	**7.0**	**6.9**	**7.1**	**7.1**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**

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	29.0	40.0	49.0	32.0	18.0	47.0	44.0	38.0
Total opportunities	30.0	40.0	53.0	35.0	19.0	49.0	44.0	39.0
Indicator value	**95.0%**	**95.8%**	**95.2%**	**94.7%**	**94.7%**	**94.8%**	**95.5%**	**96.1%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Participating Key personnel	78.0	80.0	80.0	87.0	84.0	79.0	78.0	74.0
Total Key personnel	78.0	80.0	80.0	87.0	84.0	79.0	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	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful siren-tests	532	532	608	608	532	608	607	532
Total sirens-tests	532	532	608	608	532	608	608	532
Indicator value	**99.9%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

Susquehanna 2 – Quarterly Performance Indicators

1Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- 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	1.0	0	0	0
Critical hours	1153.9	2208.0	2209.0	2183.0	2110.1	2208.0	2072.5	1493.1
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**0.8**	**0.9**

TOP

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned power changes	0	0	0	0	0	1.0	1.0	0
Critical hours	1153.9	2208.0	2209.0	2183.0	2110.1	2208.0	2072.5	1493.1
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.8**	**1.6**	**1.8**

TOP

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Scrams with complications	0	0	0	0	1.0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**1.0**	**1.0**	**1.0**	**1.0**

TOP

Licensee Comments: none

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Safety System Functional Failures	0	1	0	1	0	0	0	0
Indicator value	**0**	**1**	**1**	**2**	**2**	**1**	**1**	**0**

TOP

Licensee Comments:
1Q/16: LER 387(388)/2015-014

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	-5.95E-09	-6.72E-09	-6.88E-09	-8.63E-09	-8.11E-09	-7.13E-09	-7.24E-09	-6.97E-09
URI (ΔCDF)	-2.09E-06	-2.10E-06	-2.09E-06	-2.10E-06	-1.66E-06	-1.59E-06	-1.53E-06	-2.29E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**	**-1.70E-06**	**-1.60E-06**	**-1.50E-06**	**-2.40E-07**

TOP

Licensee Comments:
4Q/16: Risk Cap Invoked.
3Q/16: Risk Cap Invoked.
4Q/15: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	2.54E-10	2.54E-10	8.88E-11	-4.65E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.69E-09
URI (ΔCDF)	-9.36E-09	-9.36E-09	-8.51E-09	-8.45E-09	-8.92E-09	-8.49E-09	-8.49E-09	-8.15E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.10E-09**	**-9.10E-09**	**-8.40E-09**	**-1.30E-08**	**-1.40E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**

TOP

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/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09
URI (ΔCDF)	-1.29E-08	-1.29E-08	-9.14E-09	-9.14E-09	-9.46E-09	-9.13E-09	-9.45E-09	-9.00E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-08**	**-1.60E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.20E-08**

TOP

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/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	9.38E-09	7.21E-09	7.13E-10	-1.55E-09	-1.80E-09	-2.71E-10	5.56E-09	7.39E-09
URI (ΔCDF)	1.75E-08	2.40E-08	2.90E-08	3.16E-08	3.83E-08	4.71E-08	4.63E-08	2.53E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.70E-08**	**3.10E-08**	**3.00E-08**	**3.00E-08**	**3.70E-08**	**4.70E-08**	**5.20E-08**	**3.30E-08**

TOP

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/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	6.72E-08	7.46E-08	5.55E-08	5.54E-08	5.10E-08	2.89E-08	3.91E-08	3.74E-08
URI (ΔCDF)	-4.00E-08	-4.08E-08	-4.10E-08	-4.16E-08	-4.21E-08	-4.28E-08	-4.29E-08	-2.75E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.70E-08**	**3.40E-08**	**1.50E-08**	**1.40E-08**	**8.90E-09**	**-1.40E-08**	**-3.70E-09**	**9.90E-09**

TOP

Licensee Comments: none

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	0.000006	N/A	0.000003	0.000004	0.000004	0.000004	0.000003	0.000004	0.000004	0.000004	0.000004	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**N/A**	**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	0.000004	0.000005	0.000006	0.000006	0.000006	0.000007	0.000005	0.000006	0.000006	0.000007	0.000007	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	1.780	1.730	1.820	1.840	1.840	1.800	1.800	1.760	1.750	1.740	1.720	1.740
Technical specification limit	25.0	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**	**6.9**	**7.3**	**7.4**	**7.4**	**7.2**	**7.2**	**7.0**	**7.0**	**7.0**	**6.9**	**7.0**

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	1.730	1.770	1.770	1.760	1.750	1.740	1.760	1.750	1.750	1.760	1.790	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	**6.9**	**7.1**	**7.1**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.2**	**7.2**

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	40.0	49.0	32.0	18.0	47.0	44.0	38.0	56.0
Total opportunities	40.0	53.0	35.0	19.0	49.0	44.0	39.0	56.0
Indicator value	**95.8%**	**95.2%**	**94.7%**	**94.7%**	**94.8%**	**95.5%**	**96.1%**	**96.7%**

TOP

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Participating Key personnel	80.0	80.0	87.0	84.0	79.0	78.0	74.0	67.0
Total Key personnel	80.0	80.0	87.0	84.0	79.0	78.0	74.0	67.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful siren-tests	532	608	608	532	608	607	532	608
Total sirens-tests	532	608	608	532	608	608	532	608
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
High radiation area occurrences	0	0	0	0	1	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**

TOP

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

TOP

Licensee Comments: none

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

Current data as of: May 5, 2017

Page Last Reviewed/Updated Wednesday, June 07, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Susquehanna 2 – Quarterly Performance Indicators

2Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: Data for BI02 in May 2015 was corrected. This did not impact the color of the indicator.

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	1.0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	2110.1	2208.0	2072.5	1493.1	2019.3
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**0.8**	**0.8**	**0.9**	**0**

TOP

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Unplanned power changes	0	0	0	0	1.0	1.0	0	0
Critical hours	2208.0	2209.0	2183.0	2110.1	2208.0	2072.5	1493.1	2019.3
Indicator value	**0**	**0**	**0**	**0**	**0.8**	**1.6**	**1.8**	**1.8**

TOP

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Scrams with complications	0	0	0	1.0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**1.0**	**1.0**	**1.0**	**1.0**	**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	**1**	**1**	**2**	**2**	**1**	**1**	**0**	**0**

TOP

Licensee Comments:
1Q/16: LER 387(388)/2015-014

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-6.72E-09	-6.88E-09	-8.63E-09	-8.11E-09	-7.13E-09	-7.24E-09	-6.97E-09	-7.64E-09
URI (ΔCDF)	-2.10E-06	-2.09E-06	-2.10E-06	-1.66E-06	-1.59E-06	-1.53E-06	-2.29E-07	-2.88E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-06**	**-2.10E-06**	**-2.10E-06**	**-1.70E-06**	**-1.60E-06**	**-1.50E-06**	**-2.40E-07**	**-3.00E-07**

TOP

Licensee Comments:
4Q/16: Risk Cap Invoked.
3Q/16: Risk Cap Invoked.
4Q/15: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	2.54E-10	8.88E-11	-4.65E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.69E-09	-4.69E-09
URI (ΔCDF)	-9.36E-09	-8.51E-09	-8.45E-09	-8.92E-09	-8.49E-09	-8.49E-09	-8.15E-09	-8.15E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.10E-09**	**-8.40E-09**	**-1.30E-08**	**-1.40E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**

TOP

Licensee Comments: none

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09
URI (ΔCDF)	-1.29E-08	-9.14E-09	-9.14E-09	-9.46E-09	-9.13E-09	-9.45E-09	-9.00E-09	-9.00E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.20E-08**	**-1.20E-08**

TOP

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/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	7.21E-09	7.13E-10	-1.55E-09	-1.80E-09	-2.71E-10	5.56E-09	7.39E-09	7.41E-09
URI (ΔCDF)	2.40E-08	2.90E-08	3.16E-08	3.83E-08	4.71E-08	4.63E-08	2.53E-08	2.53E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.10E-08**	**3.00E-08**	**3.00E-08**	**3.70E-08**	**4.70E-08**	**5.20E-08**	**3.30E-08**	**3.30E-08**

TOP

Licensee Comments: none

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)	7.46E-08	5.55E-08	5.54E-08	5.10E-08	2.89E-08	3.91E-08	3.74E-08	3.13E-08
URI (ΔCDF)	-4.08E-08	-4.10E-08	-4.16E-08	-4.21E-08	-4.28E-08	-4.29E-08	-2.75E-08	-2.72E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.40E-08**	**1.50E-08**	**1.40E-08**	**8.90E-09**	**-1.40E-08**	**-3.70E-09**	**9.90E-09**	**4.10E-09**

TOP

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	0.000004	0.000004	0.000004	0.000003	0.000004	0.000004	0.000004	0.000004	0.000005	0.000004	0.000005	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17
Maximum activity	0.000006	0.000006	0.000007	0.000005	0.000006	0.000006	0.000007	0.000007	0.000005	0.000003	0.000003	0.000003
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	1.840	1.840	1.800	1.800	1.760	1.750	1.740	1.720	1.740	1.730	1.770	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	**7.4**	**7.4**	**7.2**	**7.2**	**7.0**	**7.0**	**7.0**	**6.9**	**7.0**	**6.9**	**7.1**	**7.1**

Reactor Coolant System Leakage	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17
Maximum leakage	1.760	1.750	1.740	1.760	1.750	1.750	1.760	1.790	1.790	1.780	1.780	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	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.2**	**7.2**	**7.1**	**7.1**	**7.1**

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	49.0	32.0	18.0	47.0	44.0	38.0	56.0	64.0
Total opportunities	53.0	35.0	19.0	49.0	44.0	39.0	56.0	65.0
Indicator value	**95.2%**	**94.7%**	**94.7%**	**94.8%**	**95.5%**	**96.1%**	**96.7%**	**96.7%**

TOP

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Participating Key personnel	80.0	87.0	84.0	79.0	78.0	74.0	67.0	65.0
Total Key personnel	80.0	87.0	84.0	79.0	78.0	74.0	67.0	65.0
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	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful siren-tests	608	608	532	608	607	532	608	532
Total sirens-tests	608	608	532	608	608	532	608	532
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

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**

TOP

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

TOP

Licensee Comments: none

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

Current data as of: July 26, 2017

Page Last Reviewed/Updated Wednesday, June 07, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Susquehanna 2 – Quarterly Performance Indicators

3Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

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

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2209.0	2183.0	2110.1	2208.0	2072.5	1493.1	2019.3	2208.0
Indicator value	**0.9**	**0.9**	**0.8**	**0.8**	**0.8**	**0.9**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned power changes	0	0	0	1.0	1.0	0	0	0
Critical hours	2209.0	2183.0	2110.1	2208.0	2072.5	1493.1	2019.3	2208.0
Indicator value	**0**	**0**	**0**	**0.8**	**1.6**	**1.8**	**1.8**	**0.9**

TOP

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Scrams with complications	0	0	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**

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	**1**	**2**	**2**	**1**	**1**	**0**	**0**	**0**

TOP

Licensee Comments:
1Q/16: LER 387(388)/2015-014

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-6.88E-09	-8.63E-09	-8.11E-09	-7.13E-09	-7.24E-09	-6.97E-09	-7.64E-09	-8.98E-09
URI (ΔCDF)	-2.09E-06	-2.10E-06	-1.66E-06	-1.59E-06	-1.53E-06	-2.29E-07	-2.88E-07	-2.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-06**	**-2.10E-06**	**-1.70E-06**	**-1.60E-06**	**-1.50E-06**	**-2.40E-07**	**-3.00E-07**	**-3.00E-07**

TOP

Licensee Comments:
4Q/16: Risk Cap Invoked.
3Q/16: Risk Cap Invoked.
4Q/15: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	8.88E-11	-4.65E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.69E-09	-4.69E-09	-4.70E-09
URI (ΔCDF)	-8.51E-09	-8.45E-09	-8.92E-09	-8.49E-09	-8.49E-09	-8.15E-09	-8.15E-09	-8.15E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.40E-09**	**-1.30E-08**	**-1.40E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**

TOP

Licensee Comments: none

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

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)	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09
URI (ΔCDF)	-9.14E-09	-9.14E-09	-9.46E-09	-9.13E-09	-9.45E-09	-9.00E-09	-9.00E-09	-8.68E-09
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**	**-1.20E-08**	**-1.20E-08**	**-1.20E-08**

TOP

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/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	7.13E-10	-1.55E-09	-1.80E-09	-2.71E-10	5.56E-09	7.39E-09	7.41E-09	6.32E-09
URI (ΔCDF)	2.90E-08	3.16E-08	3.83E-08	4.71E-08	4.63E-08	2.53E-08	2.53E-08	2.56E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.00E-08**	**3.00E-08**	**3.70E-08**	**4.70E-08**	**5.20E-08**	**3.30E-08**	**3.30E-08**	**3.20E-08**

TOP

Licensee Comments: none

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)	5.55E-08	5.54E-08	5.10E-08	2.89E-08	3.91E-08	3.74E-08	3.13E-08	2.11E-08
URI (ΔCDF)	-4.10E-08	-4.16E-08	-4.21E-08	-4.28E-08	-4.29E-08	-2.75E-08	-2.72E-08	-2.72E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.50E-08**	**1.40E-08**	**8.90E-09**	**-1.40E-08**	**-3.70E-09**	**9.90E-09**	**4.10E-09**	**-6.00E-09**

TOP

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	0.000003	0.000004	0.000004	0.000004	0.000004	0.000005	0.000004	0.000005	0.000006	0.000006	0.000006	0.000007
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	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	0.000005	0.000006	0.000006	0.000007	0.000007	0.000005	0.000003	0.000003	0.000003	0.000004	0.000004	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum leakage	1.800	1.760	1.750	1.740	1.720	1.740	1.730	1.770	1.770	1.760	1.750	1.740
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.2**	**7.0**	**7.0**	**7.0**	**6.9**	**7.0**	**6.9**	**7.1**	**7.1**	**7.0**	**7.0**	**7.0**

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	1.760	1.750	1.750	1.760	1.790	1.790	1.780	1.780	1.770	1.750	1.730	1.740
Technical specification limit	25.0	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**	**7.0**	**7.0**	**7.0**	**7.2**	**7.2**	**7.1**	**7.1**	**7.1**	**7.0**	**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	32.0	18.0	47.0	44.0	38.0	56.0	64.0	47.0
Total opportunities	35.0	19.0	49.0	44.0	39.0	56.0	65.0	47.0
Indicator value	**94.7%**	**94.7%**	**94.8%**	**95.5%**	**96.1%**	**96.7%**	**96.7%**	**97.7%**

TOP

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Participating Key personnel	87.0	84.0	79.0	78.0	74.0	67.0	65.0	67.0
Total Key personnel	87.0	84.0	79.0	78.0	74.0	67.0	65.0	67.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Notes

Alert & Notification System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Successful siren-tests	608	532	608	607	532	608	532	608
Total sirens-tests	608	532	608	608	532	608	532	608
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
High radiation area occurrences	0	0	1	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**1**	**1**	**1**	**1**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

TOP

Licensee Comments: none

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

Current data as of: October 31, 2017

Page Last Reviewed/Updated Monday, November 06, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Susquehanna 2 – Quarterly Performance Indicators

4Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

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

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned scrams	0	1.0	0	0	0	0	0	0
Critical hours	2183.0	2110.1	2208.0	2072.5	1493.1	2019.3	2208.0	2209.0
Indicator value	**0.9**	**0.8**	**0.8**	**0.8**	**0.9**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned power changes	0	0	1.0	1.0	0	0	0	1.0
Critical hours	2183.0	2110.1	2208.0	2072.5	1493.1	2019.3	2208.0	2209.0
Indicator value	**0**	**0**	**0.8**	**1.6**	**1.8**	**1.8**	**0.9**	**0.9**

TOP

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Scrams with complications	0	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**

TOP

Licensee Comments: none

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Safety System Functional Failures	1	0	0	0	0	0	0	0
Indicator value	**2**	**2**	**1**	**1**	**0**	**0**	**0**	**0**

TOP

Licensee Comments:
1Q/16: LER 387(388)/2015-014

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)	-8.63E-09	-8.11E-09	-7.13E-09	-7.24E-09	-6.97E-09	-7.64E-09	-8.98E-09	-9.08E-09
URI (ΔCDF)	-2.10E-06	-1.66E-06	-1.59E-06	-1.53E-06	-2.29E-07	-2.88E-07	-2.90E-07	-3.63E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-06**	**-1.70E-06**	**-1.60E-06**	**-1.50E-06**	**-2.40E-07**	**-3.00E-07**	**-3.00E-07**	**-3.70E-07**

TOP

Licensee Comments:
4Q/16: Risk Cap Invoked.
3Q/16: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-4.65E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.69E-09	-4.69E-09	-4.70E-09	-5.65E-09
URI (ΔCDF)	-8.45E-09	-8.92E-09	-8.49E-09	-8.49E-09	-8.15E-09	-8.15E-09	-8.15E-09	-7.73E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-1.40E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**

TOP

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)	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09	-3.49E-09
URI (ΔCDF)	-9.14E-09	-9.46E-09	-9.13E-09	-9.45E-09	-9.00E-09	-9.00E-09	-8.68E-09	-8.68E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.30E-08**	**-1.20E-08**	**-1.20E-08**	**-1.20E-08**	**-1.20E-08**

TOP

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/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-1.55E-09	-1.80E-09	-2.71E-10	5.56E-09	7.39E-09	7.41E-09	6.32E-09	7.54E-10
URI (ΔCDF)	3.16E-08	3.83E-08	4.71E-08	4.63E-08	2.53E-08	2.53E-08	2.56E-08	2.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.00E-08**	**3.70E-08**	**4.70E-08**	**5.20E-08**	**3.30E-08**	**3.30E-08**	**3.20E-08**	**2.70E-08**

TOP

Licensee Comments: none

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)	5.54E-08	5.10E-08	2.89E-08	3.91E-08	3.74E-08	3.13E-08	2.11E-08	2.28E-08
URI (ΔCDF)	-4.16E-08	-4.21E-08	-4.28E-08	-4.29E-08	-2.75E-08	-2.72E-08	-2.72E-08	-2.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.40E-08**	**8.90E-09**	**-1.40E-08**	**-3.70E-09**	**9.90E-09**	**4.10E-09**	**-6.00E-09**	**-4.20E-09**

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	0.000004	0.000004	0.000005	0.000004	0.000005	0.000006	0.000006	0.000006	0.000007	0.000005	0.000006	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	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	0.000007	0.000007	0.000005	0.000003	0.000003	0.000003	0.000004	0.000004	0.000006	0.000004	0.000004	0.000005
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16
Maximum leakage	1.740	1.720	1.740	1.730	1.770	1.770	1.760	1.750	1.740	1.760	1.750	1.750
Technical specification limit	25.0	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**	**6.9**	**7.0**	**6.9**	**7.1**	**7.1**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**

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	1.760	1.790	1.790	1.780	1.780	1.770	1.750	1.730	1.740	1.760	1.780	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	**7.0**	**7.2**	**7.2**	**7.1**	**7.1**	**7.1**	**7.0**	**6.9**	**7.0**	**7.0**	**7.1**	**7.2**

TOP

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful opportunities	18.0	47.0	44.0	38.0	56.0	64.0	47.0	76.0
Total opportunities	19.0	49.0	44.0	39.0	56.0	65.0	47.0	76.0
Indicator value	**94.7%**	**94.8%**	**95.5%**	**96.1%**	**96.7%**	**96.7%**	**97.7%**	**98.7%**

TOP

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Participating Key personnel	84.0	79.0	78.0	74.0	67.0	65.0	67.0	69.0
Total Key personnel	84.0	79.0	78.0	74.0	67.0	65.0	67.0	69.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful siren-tests	532	608	607	532	608	532	608	532
Total sirens-tests	532	608	608	532	608	532	608	532
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
High radiation area occurrences	0	1	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**1**	**1**	**1**	**1**	**0**	**0**	**0**

TOP

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

TOP

Licensee Comments: none

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

Current data as of: February 1, 2018

Page Last Reviewed/Updated Monday, November 06, 2017