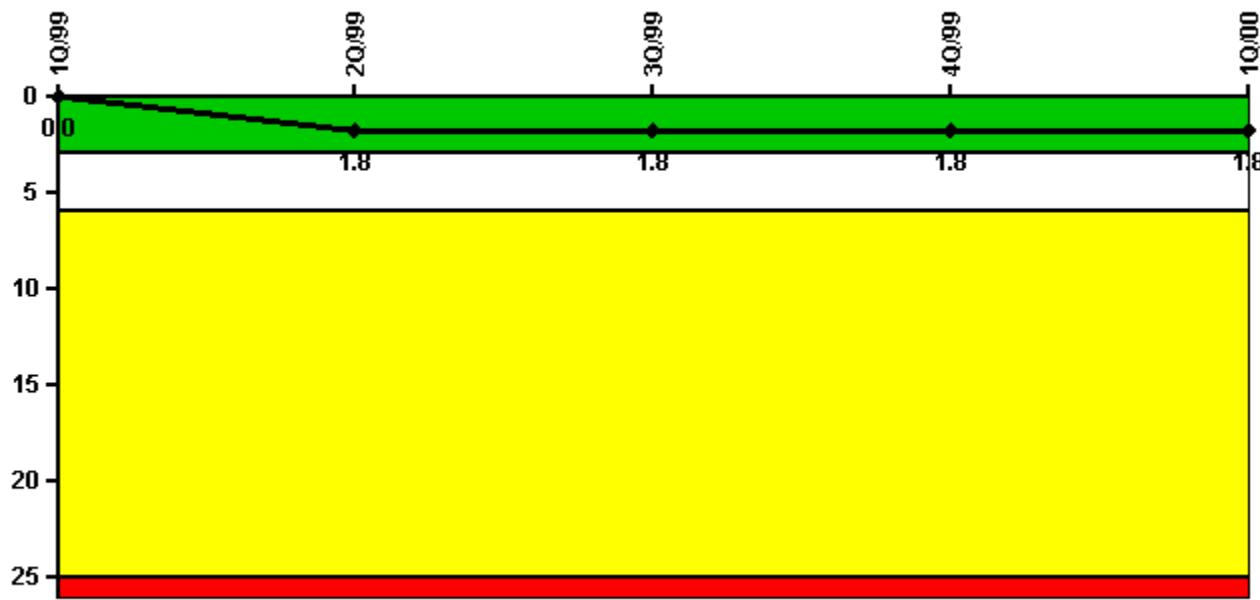


Summer**1Q/2000 Performance Indicators**

Licensee's General Comments: none

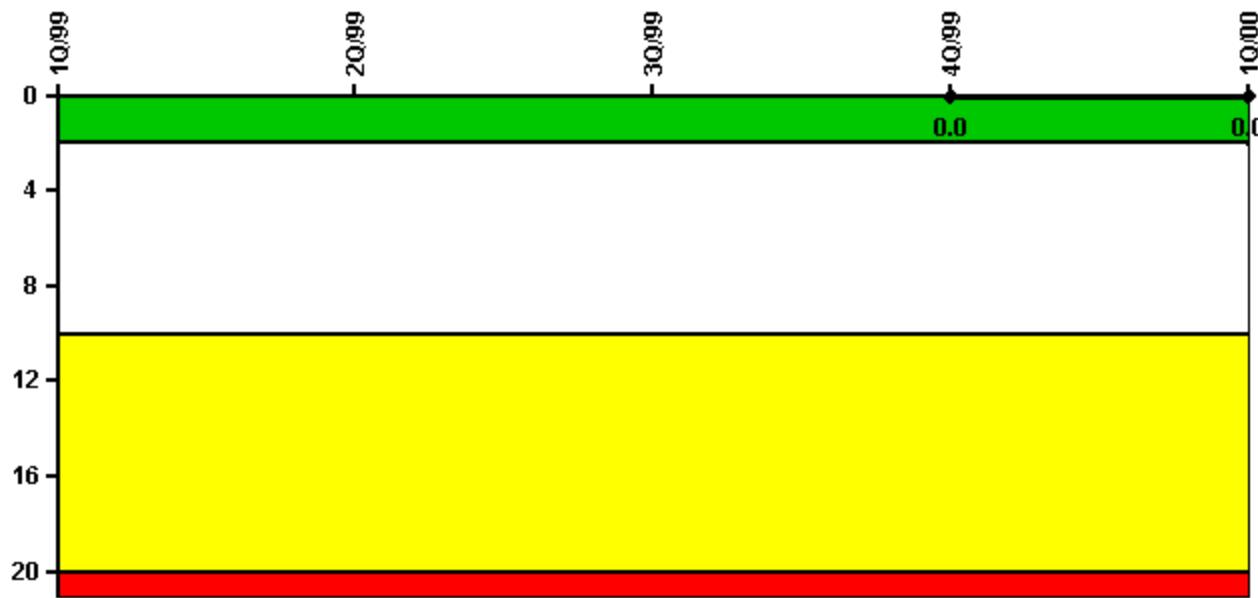
Unplanned Scrams per 7000 Critical Hrs

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	2.0	0	0	0
Critical hours	2160.0	1253.3	2208.0	2209.0	2184.0
Indicator value	0	1.8	1.8	1.8	1.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

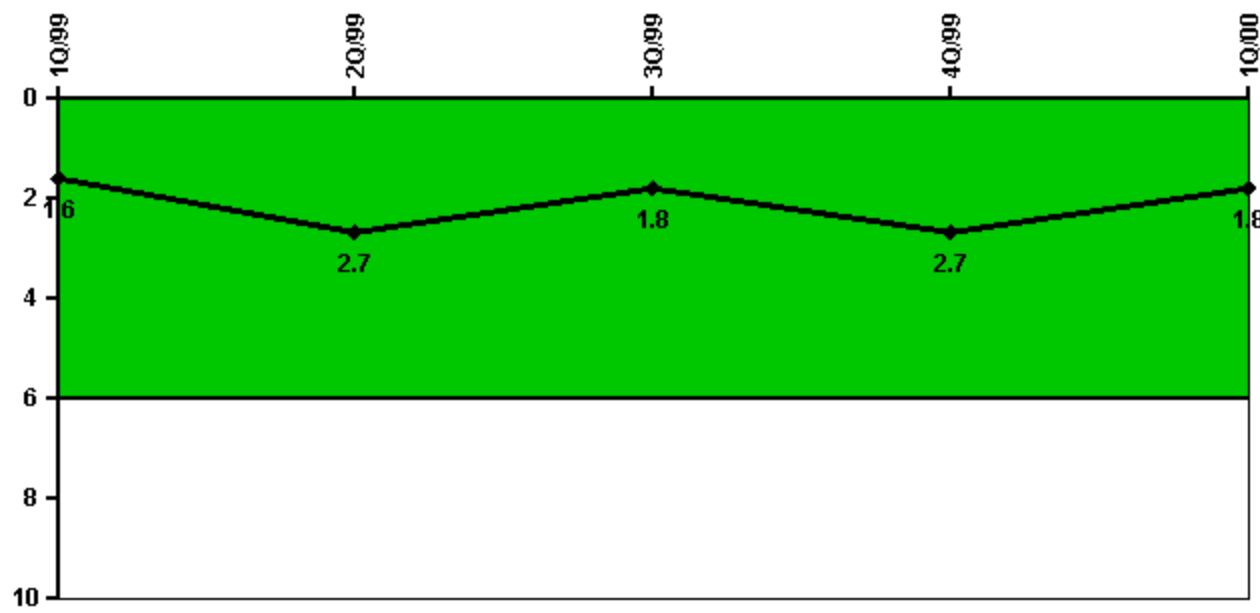
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments:

2Q/97: After a review of the FAQs and a discussion with NEI personnel, VCSNS has determined that the SLNHR previously reported was not a SLNHR.

Unplanned Power Changes per 7000 Critical Hrs

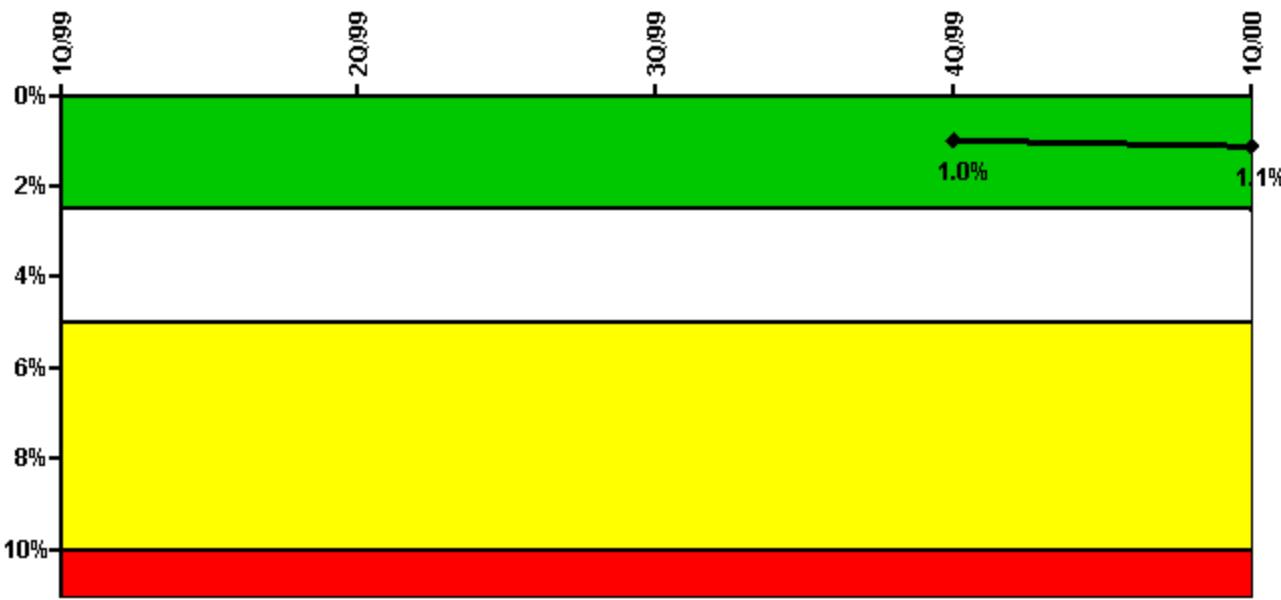
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned power changes	1.0	1.0	0	1.0	0
Critical hours	2160.0	1253.3	2208.0	2209.0	2184.0
Indicator value	1.6	2.7	1.8	2.7	1.8

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



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

Notes

Safety System Unavailability, Emergency AC Power	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	0.60	7.60	12.90	0.60	52.30
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	13.30	0.60	16.80	12.00	13.60
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value				1.0%	1.1%

Licensee Comments:

4Q/99: Train 2 planned unavailable hours were erroneously reported under Train 1. This had no impact to the performance indicator.

1Q/00: Train 2 planned unavailable hours were erroneously reported under Train 1 planned unavailable hours. This did not impact performance indicator.

Safety System Unavailability, High Pressure Injection System (HPSI)



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

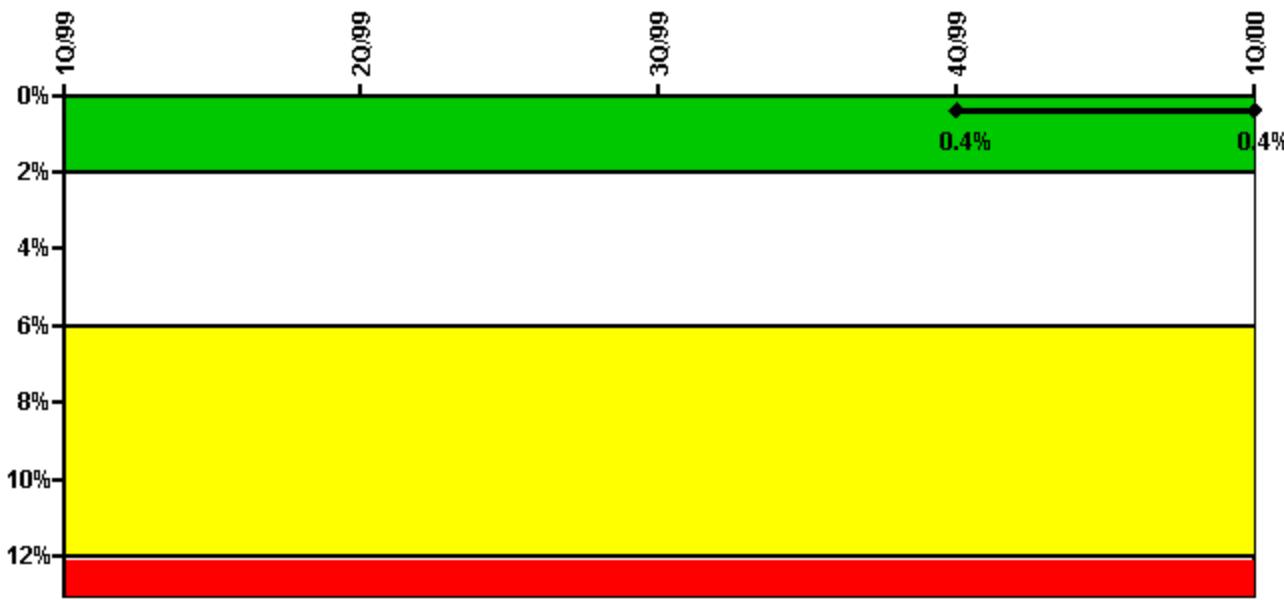
Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	3.75	12.25	3.50	3.50	14.20
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	1253.30	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	3.50	21.50	3.75	3.25	15.55
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	1253.30	2208.00	2209.00	2184.00
Indicator value				0.1%	0.2%

Licensee Comments:

1Q/00: It was determined that support system unavailability initially was not captured. Planned unavailable hours have been corrected to account for unavailability from the "B" CCW Train.

Safety System Unavailability, Heat Removal System (AFW)



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

Notes

Safety System Unavailability, Heat Removal System (AFW)		1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1						
Planned unavailable hours		6.50	10.30	0	8.50	0
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2160.00	1253.30	2208.00	2209.00	2184.00
Train 2						
Planned unavailable hours		7.30	0	0	13.30	0
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2160.00	1253.30	2208.00	2209.00	2184.00
Train 3						
Planned unavailable hours		11.10	14.60	0	10.60	0
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2160.00	1253.30	2208.00	2209.00	2184.00
Indicator value				0.4%	0.4%	

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



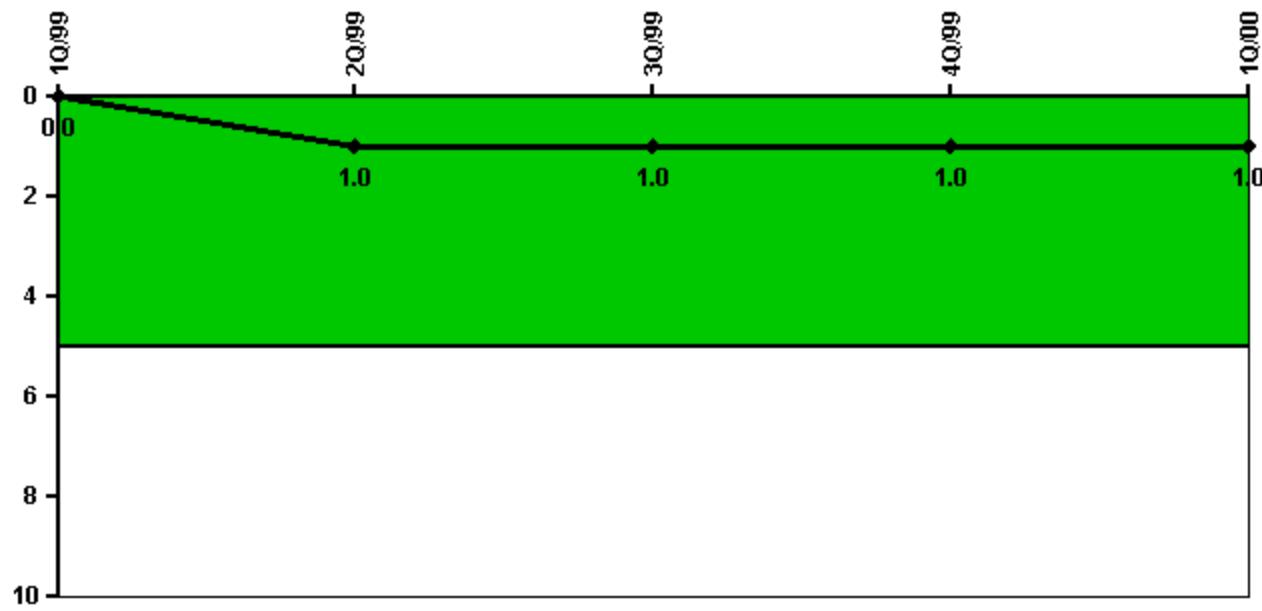
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System		1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1						
Planned unavailable hours		20.10	5.90	11.50	23.95	0.25
Unplanned unavailable hours		0	5.80	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2160.00	2183.00	2208.00	2209.00	2184.00
Train 2						
Planned unavailable hours		29.60	0.10	9.60	7.05	12.55
Unplanned unavailable hours		0	4.00	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value					0.5%	0.4%

Licensee Comments:

1Q/00: It was determined that support system unavailability initially was not captured. Planned unavailable hours have been corrected to account for unavailability from the "B" CCW Train.

Safety System Functional Failures (PWR)

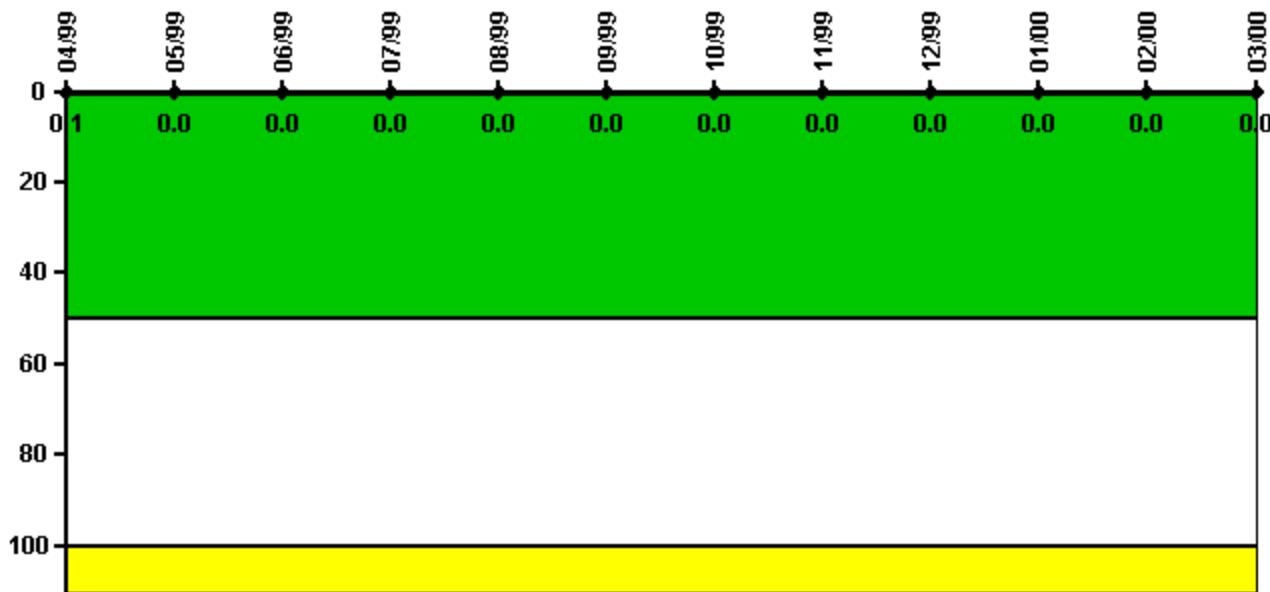
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



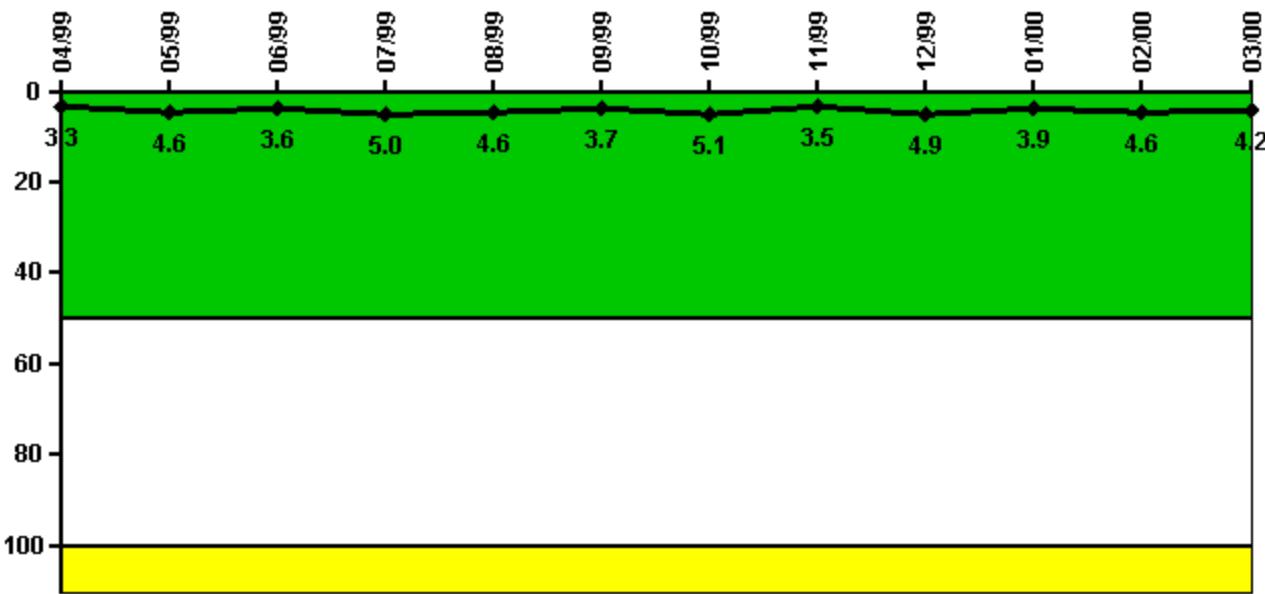
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum activity	0.000810	0.000258	0.000267	0.000288	0.000344	0.000335	0.000327	0.000487	0.000359	0.000382	0.000440	0.000409
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage

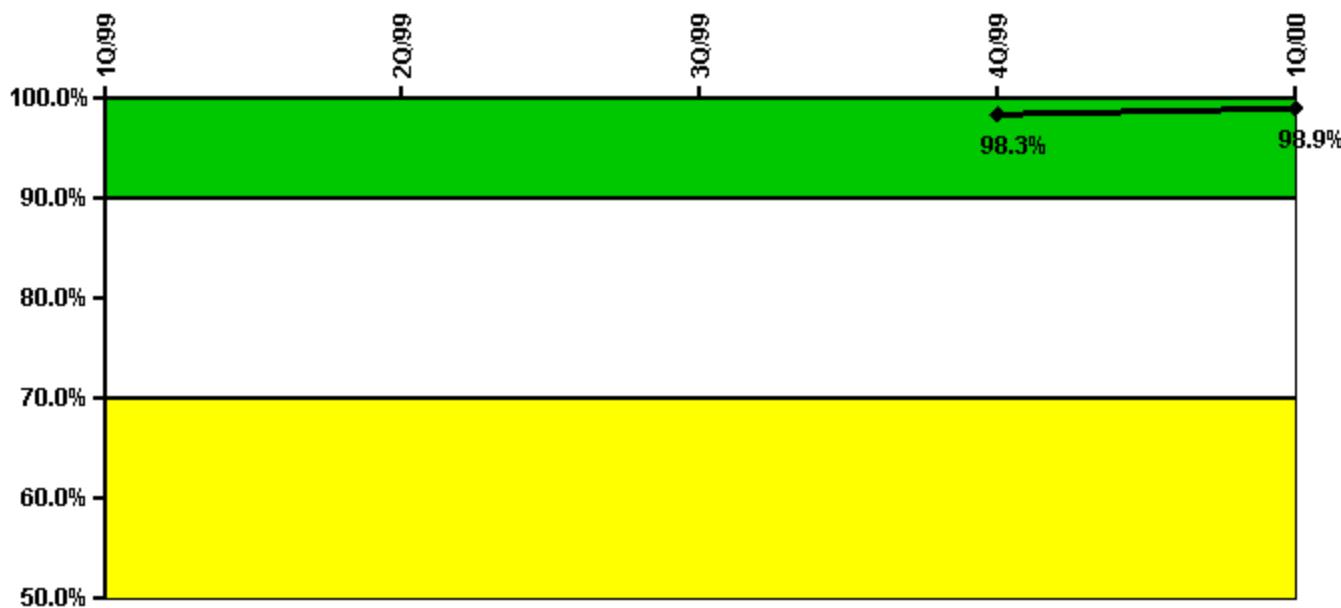


Thresholds: White > 50.0 Yellow > 100.0

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	0.330	0.460	0.360	0.500	0.460	0.370	0.510	0.350	0.490	0.390	0.460	0.420
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	3.3	4.6	3.6	5.0	4.6	3.7	5.1	3.5	4.9	3.9	4.6	4.2

Licensee Comments: none

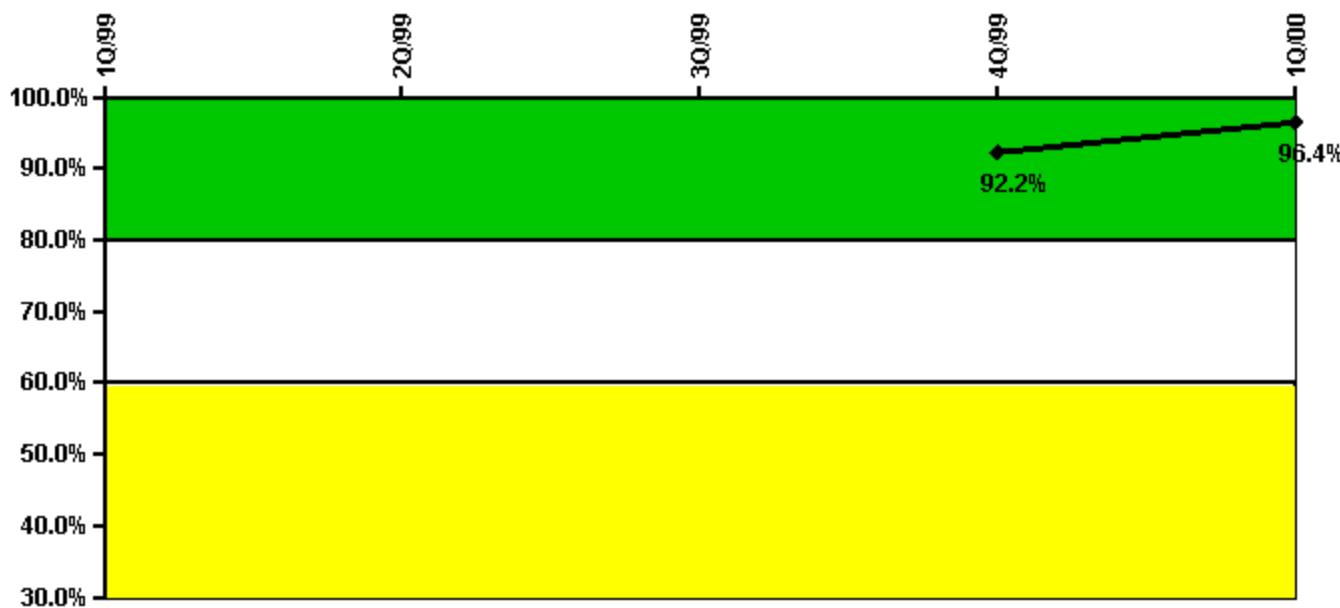
Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful opportunities	0	7.0	14.0	20.0	38.0
Total opportunities	0	7.0	14.0	20.0	38.0
Indicator value				98.3%	98.9%

Licensee Comments: none

ERO Drill Participation

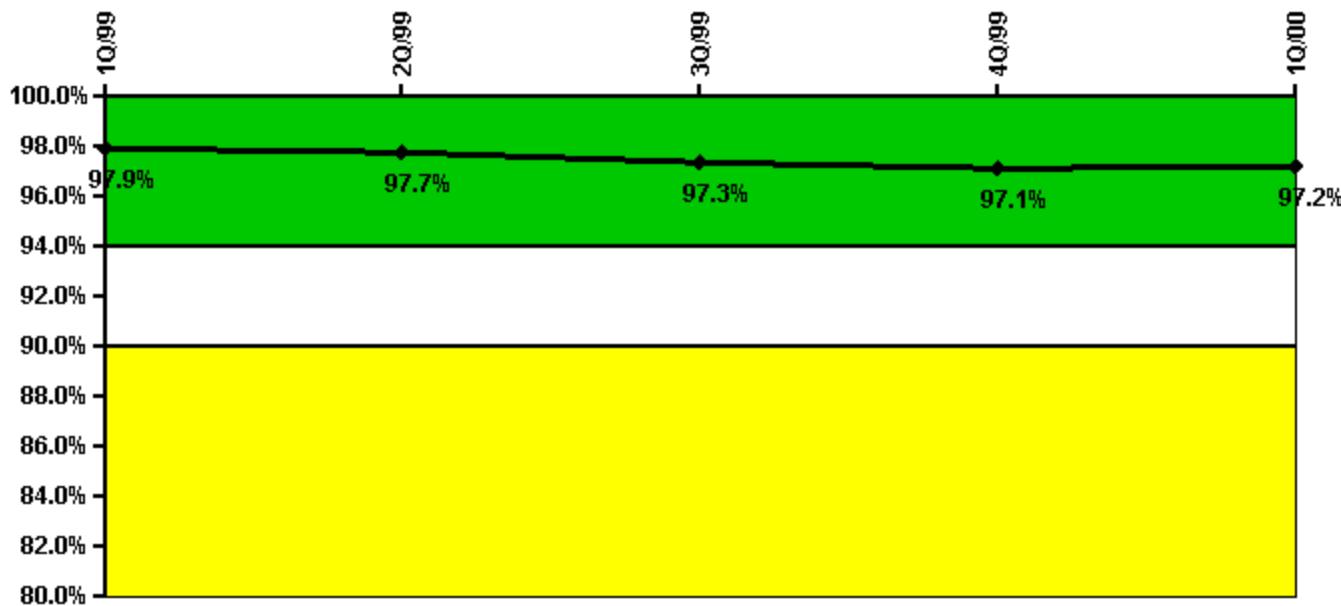
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Participating Key personnel				106.0	107.0
Total Key personnel				115.0	111.0
Indicator value				92.2%	96.4%

Licensee Comments: none

Alert & Notification System

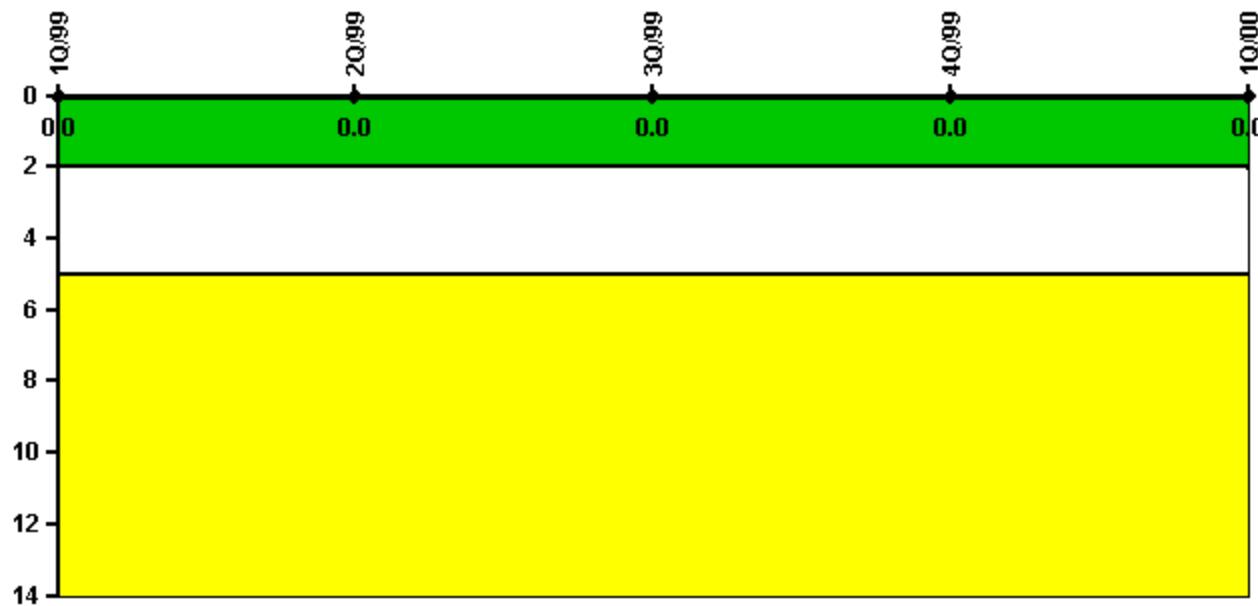


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful siren-tests	1753	1549	1629	1653	1662
Total sirens-tests	1802	1590	1696	1696	1696
Indicator value	97.9%	97.7%	97.3%	97.1%	97.2%

Licensee Comments: none

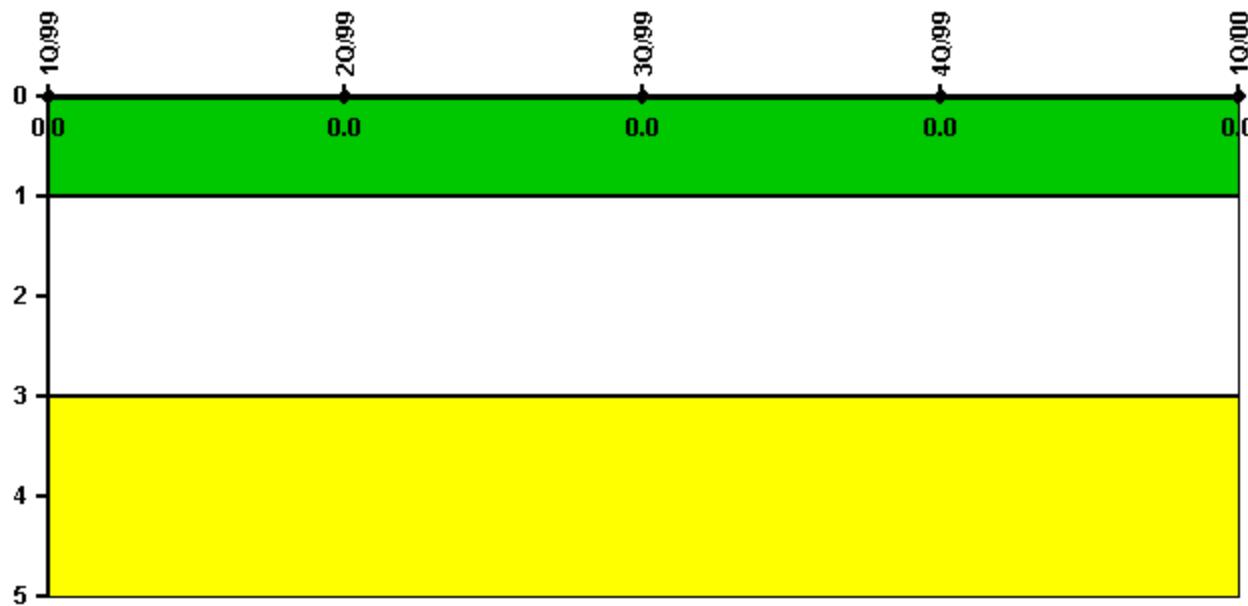
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

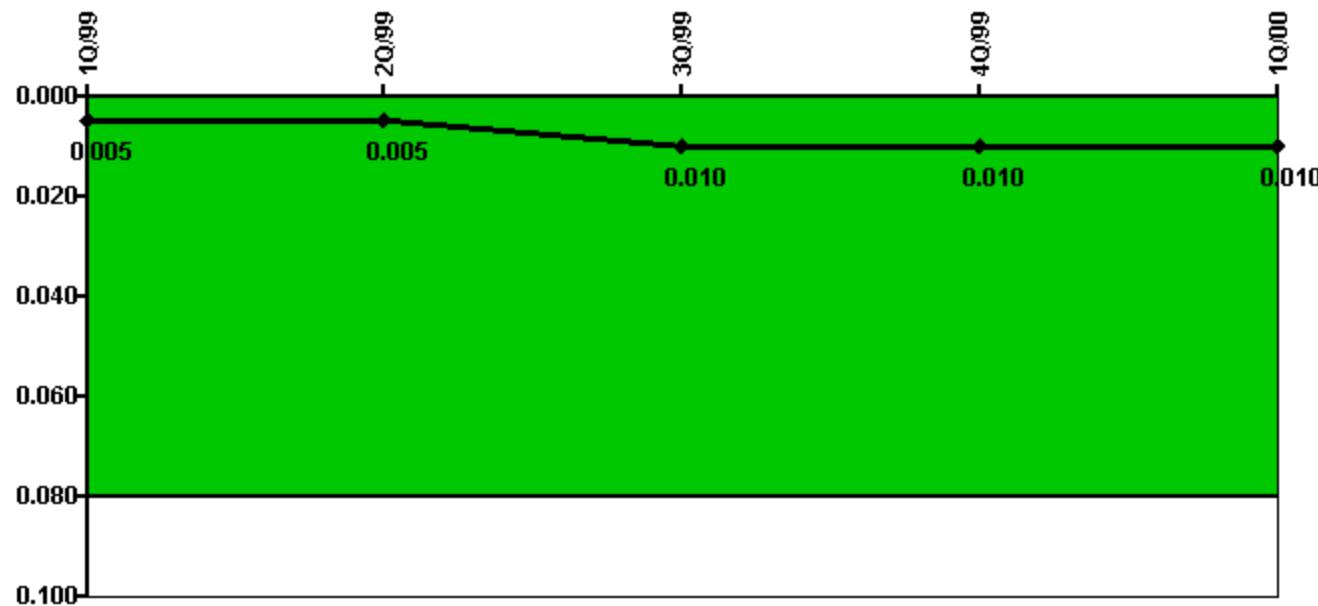
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



Thresholds: White > 0.080

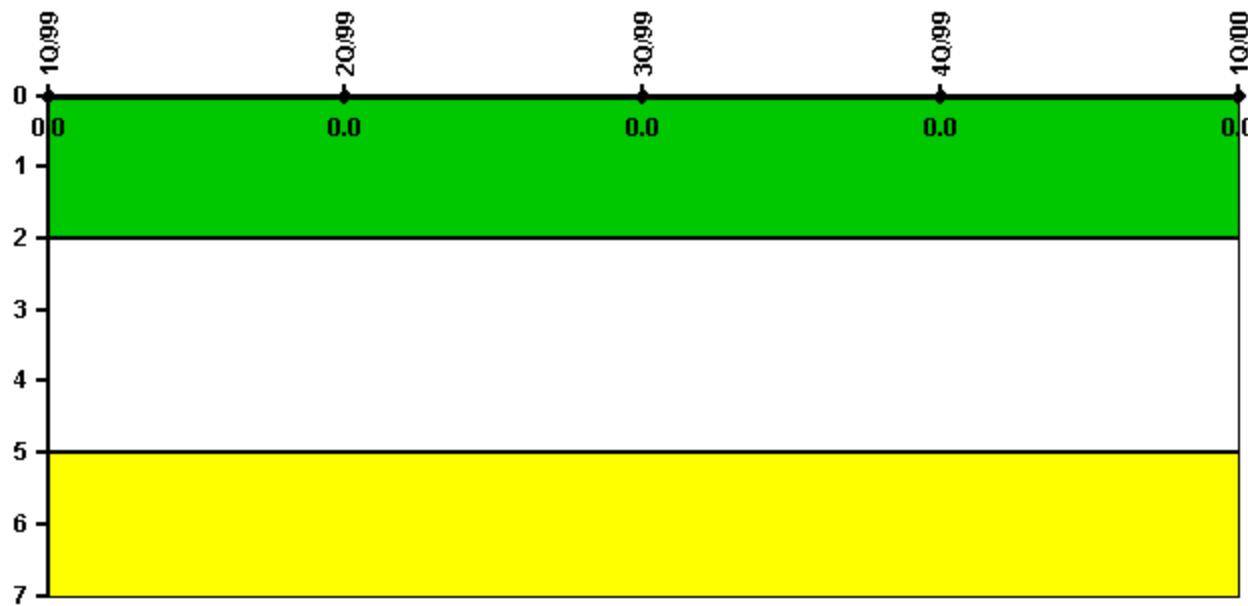
Notes

Protected Area Security Performance Index	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
IDS compensatory hours	4.90	20.70	158.10	17.50	0.90
CCTV compensatory hours	0.6	0	2.1	0	0
IDS normalization factor	1.15	1.15	1.15	1.15	1.15
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	0.005	0.005	0.010	0.010	0.010

Licensee Comments:

1Q/00: It was determined that compensatory hours for the intrusion detection system (IDS) for the Access Portal doors had been previously reported. However, these doors were not included in the IDS zones used in the normalization factor and any compensatory hours should not have been reported for the Access Portal doors.

Personnel Screening Program



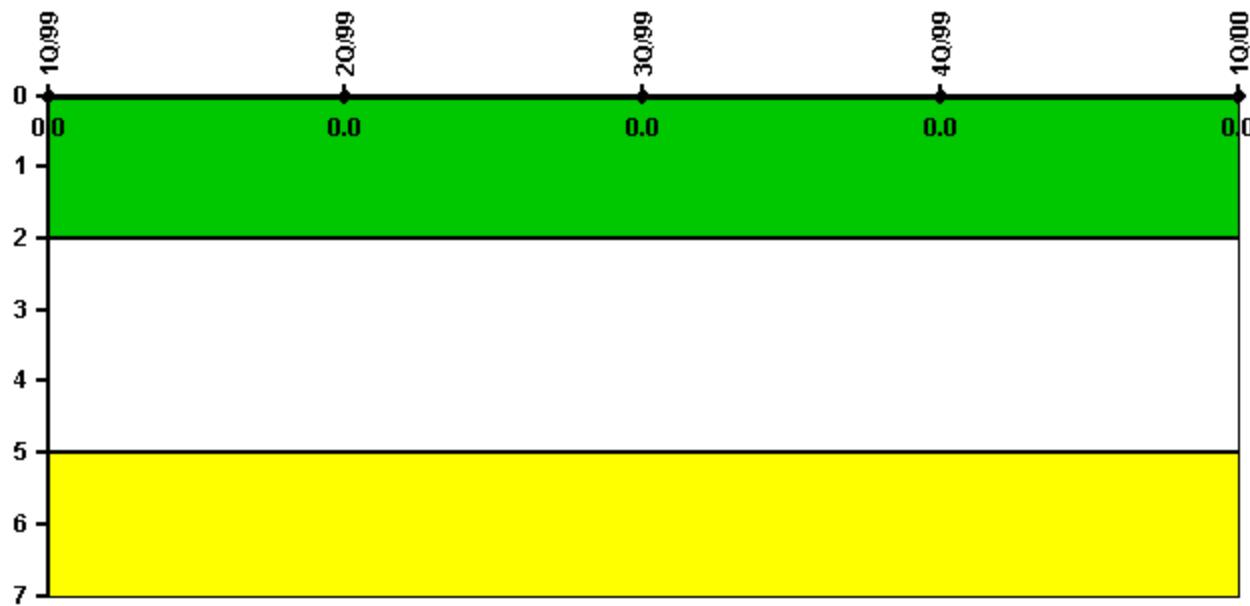
Thresholds: White > 2.0 Yellow > 5.0

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

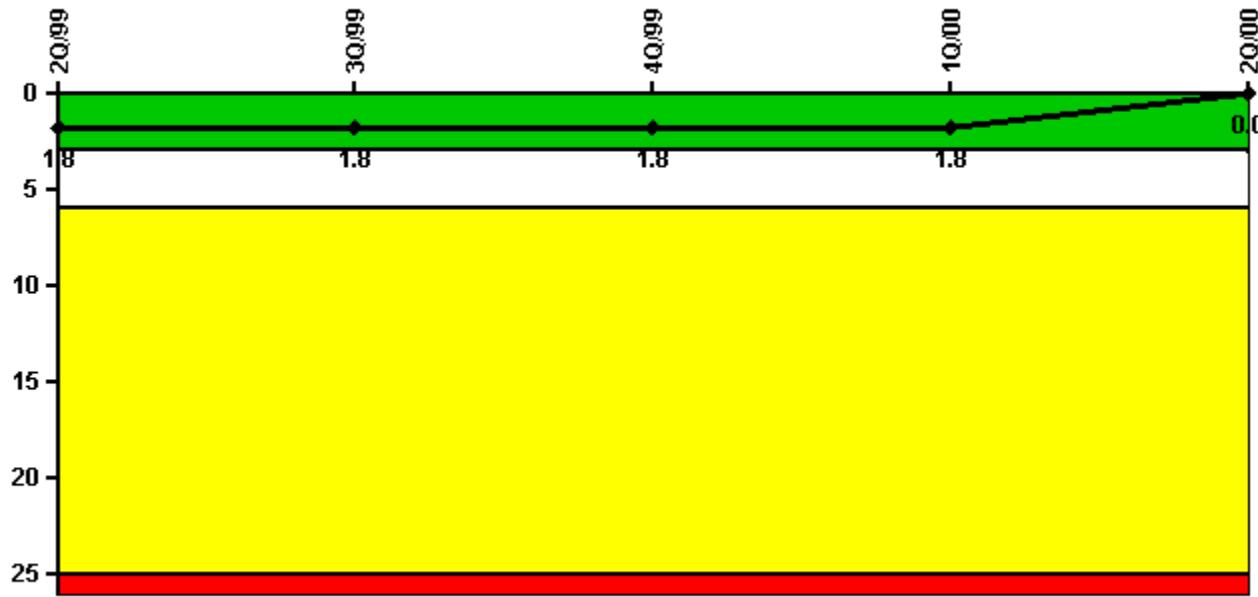


[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: April 1, 2002

Summer**2Q/2000 Performance Indicators**

Licensee's General Comments: Changed data to reflect more conservative administrative limit as a result of FAQ.

Unplanned Scrams per 7000 Critical Hrs

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	2.0	0	0	0	0
Critical hours	1253.3	2208.0	2209.0	2184.0	2183.0
Indicator value	1.8	1.8	1.8	1.8	0

Licensee Comments: none

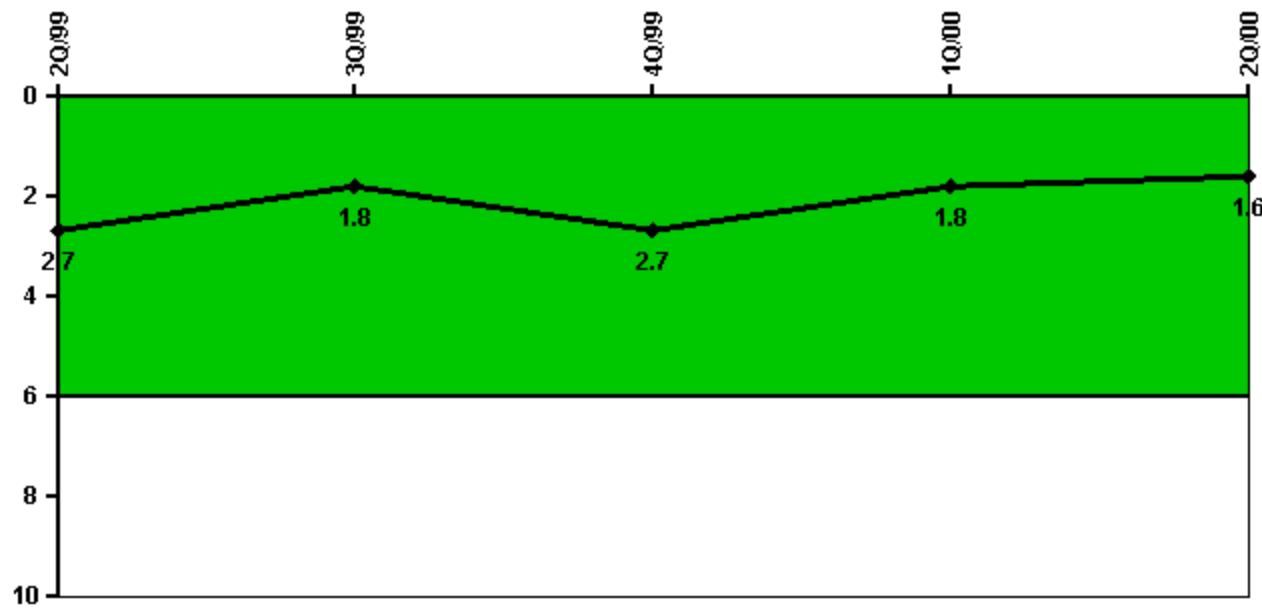
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

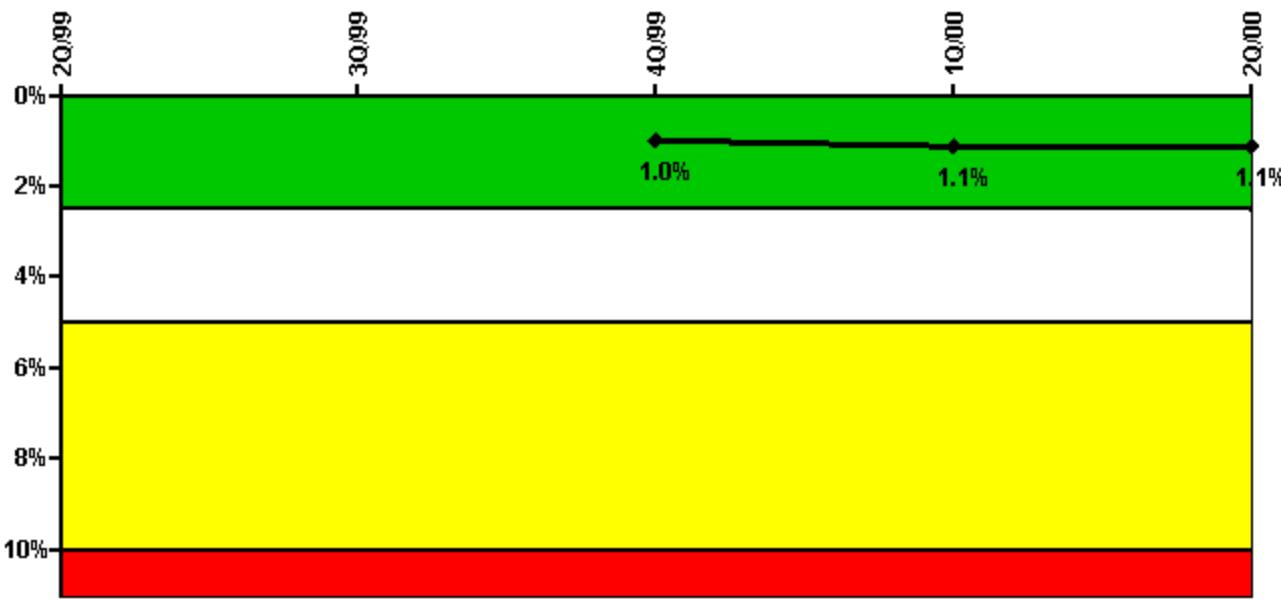
Thresholds: White > 6.0

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	1.0
Critical hours	1253.3	2208.0	2209.0	2184.0	2183.0
Indicator value	2.7	1.8	2.7	1.8	1.6

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



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

Notes

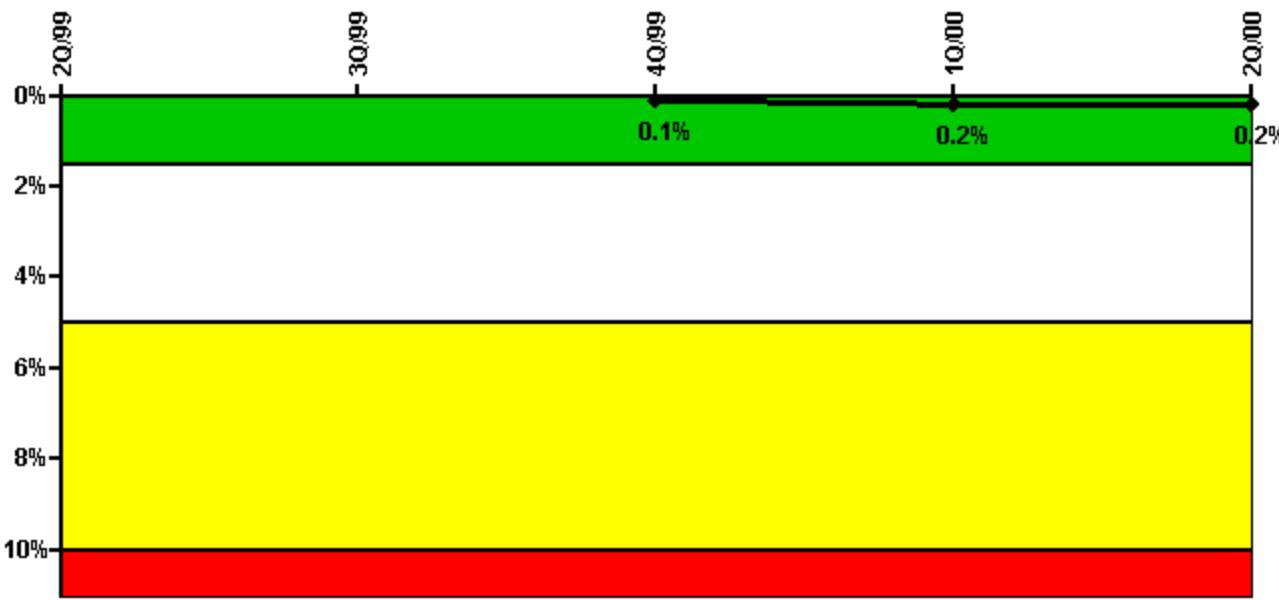
Safety System Unavailability, Emergency AC Power	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	7.60	12.90	0.60	52.30	11.50
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	0.60	16.80	12.00	13.60	25.90
Unplanned unavailable hours	0	0	0	0	12.30
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value			1.0%	1.1%	1.1%

Licensee Comments:

4Q/99: Train 2 planned unavailable hours were erroneously reported under Train 1. This had no impact to the performance indicator.

1Q/00: Train 2 planned unavailable hours were erroneously reported under Train 1 planned unavailable hours. This did not impact performance indicator.

Safety System Unavailability, High Pressure Injection System (HPSI)



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

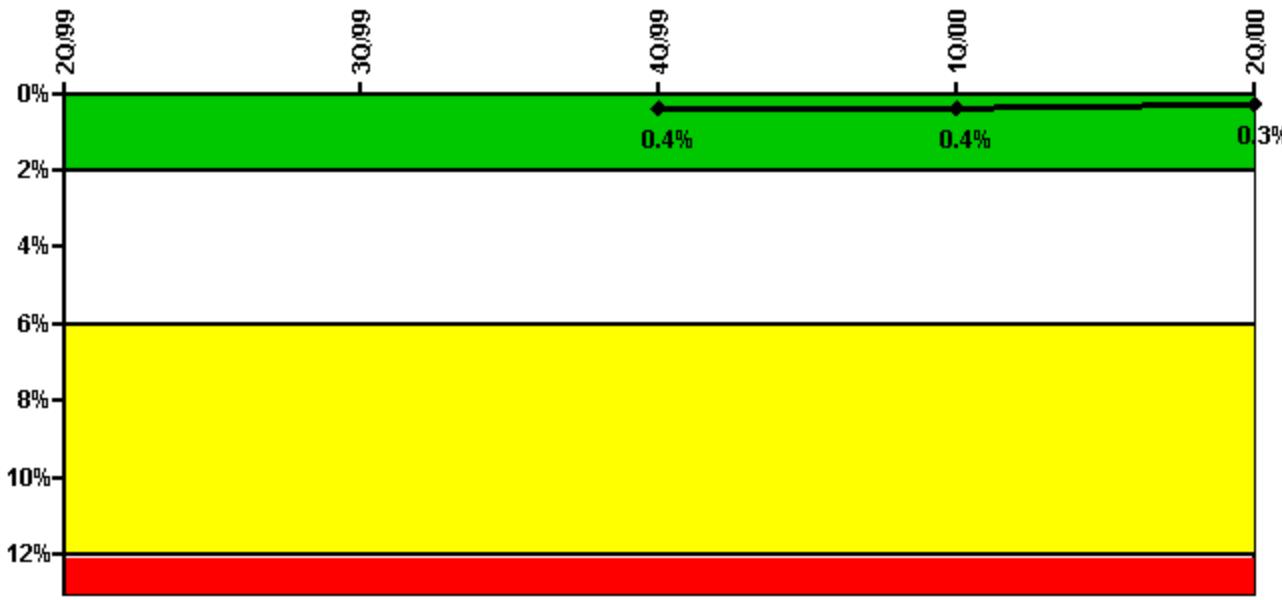
Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	12.25	3.50	3.50	14.20	3.25
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	1253.30	2208.00	2209.00	2184.00	2183.00
Train 2					
Planned unavailable hours	21.50	3.75	3.25	15.55	3.25
Unplanned unavailable hours	0	0	0	0	21.30
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1253.30	2208.00	2209.00	2184.00	2183.00
Indicator value			0.1%	0.2%	0.2%

Licensee Comments:

1Q/00: It was determined that support system unavailability initially was not captured. Planned unavailable hours have been corrected to account for unavailability from the "B" CCW Train.

Safety System Unavailability, Heat Removal System (AFW)



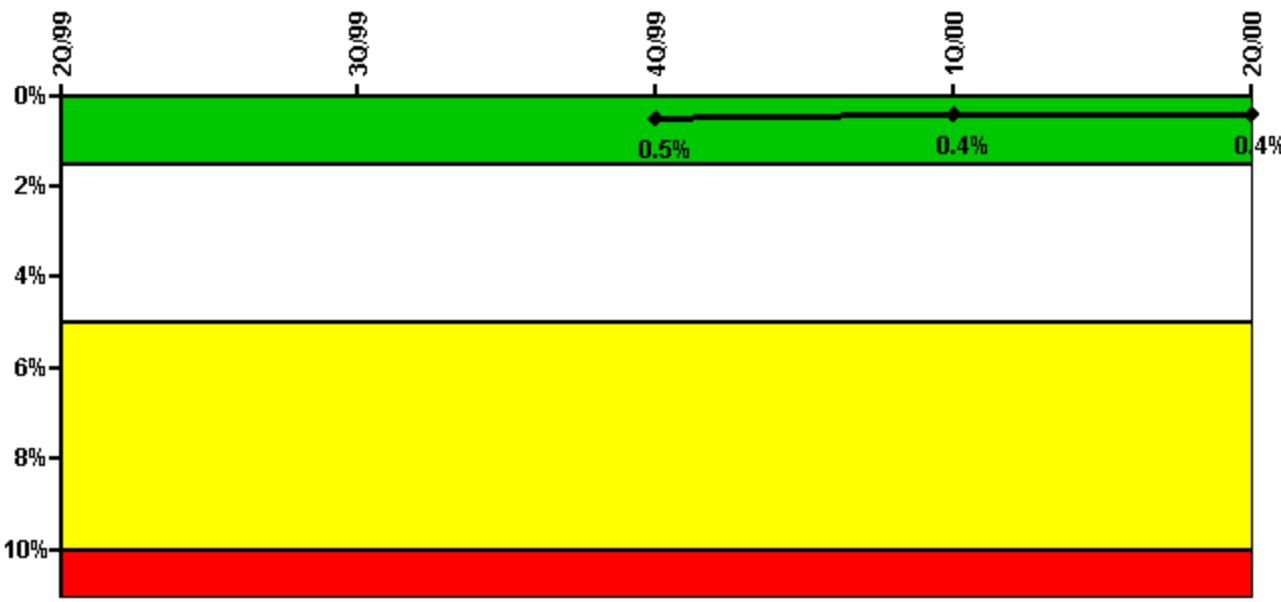
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)		2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1						
Planned unavailable hours		10.30	0	8.50	0	2.00
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		1253.30	2208.00	2209.00	2184.00	2183.00
Train 2						
Planned unavailable hours		0	0	13.30	0	15.80
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		1253.30	2208.00	2209.00	2184.00	2183.00
Train 3						
Planned unavailable hours		14.60	0	10.60	0	7.50
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		1253.30	2208.00	2209.00	2184.00	2183.00
Indicator value				0.4%	0.4%	0.3%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



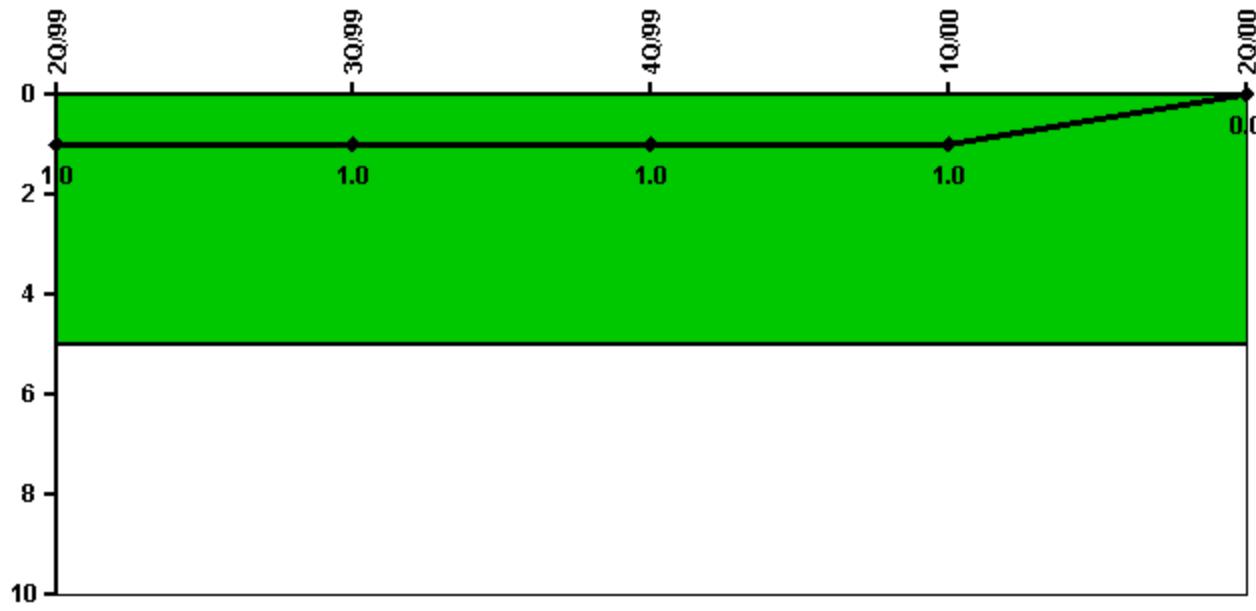
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System		2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1						
Planned unavailable hours		5.90	11.50	23.95	0.25	0.25
Unplanned unavailable hours		5.80	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2183.00	2208.00	2209.00	2184.00	2183.00
Train 2						
Planned unavailable hours		0.10	9.60	7.05	12.55	0.25
Unplanned unavailable hours		4.00	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value				0.5%	0.4%	0.4%

Licensee Comments:

1Q/00: It was determined that support system unavailability initially was not captured. Planned unavailable hours have been corrected to account for unavailability from the "B" CCW Train.

Safety System Functional Failures (PWR)

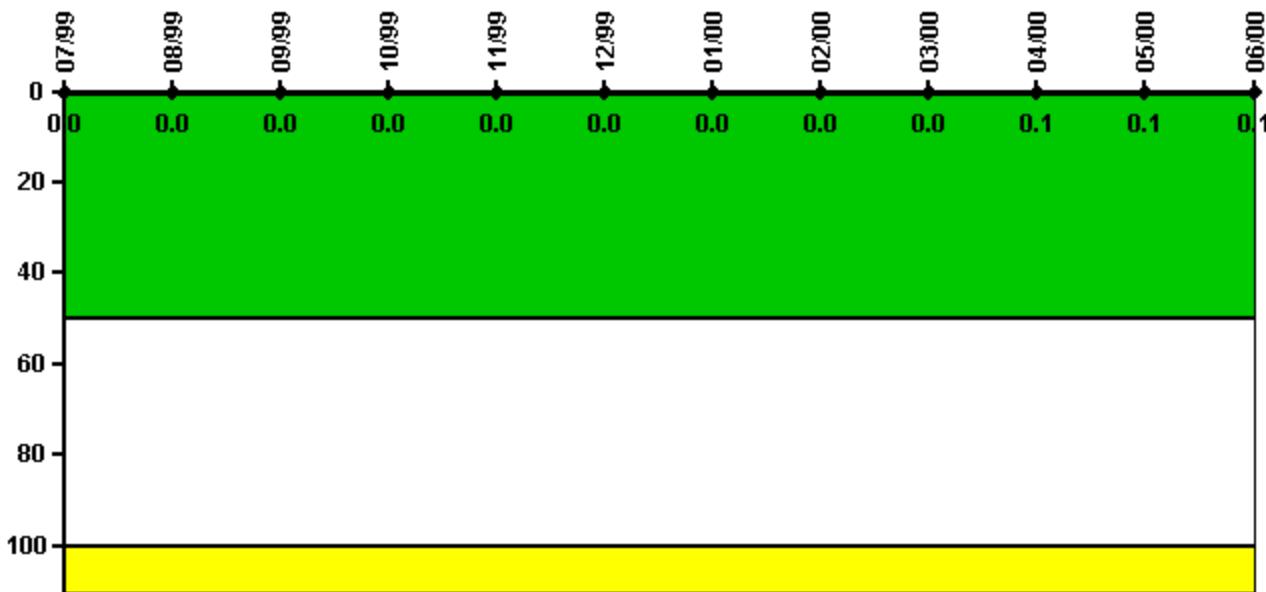
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

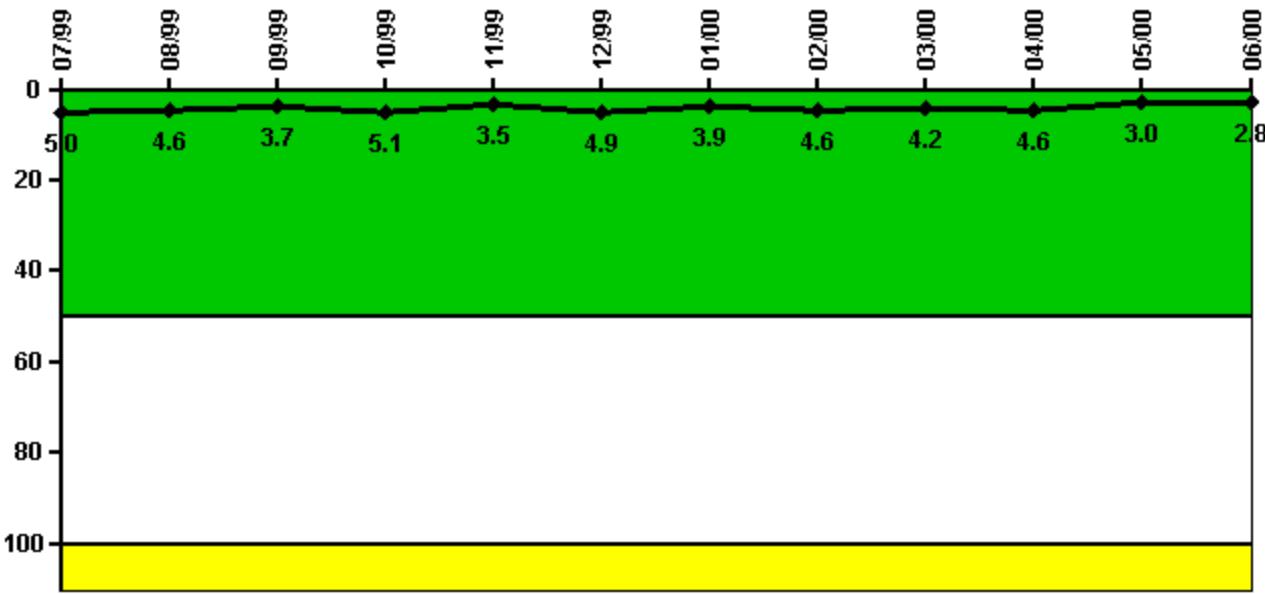
Notes

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	0.000288	0.000344	0.000335	0.000327	0.000487	0.000359	0.000382	0.000440	0.000409	0.000504	0.000440	0.000453
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0.4	0.4
Indicator value	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1

Licensee Comments:

6/00: Data changed to reflect more restrictive administrative limit.

Reactor Coolant System Leakage

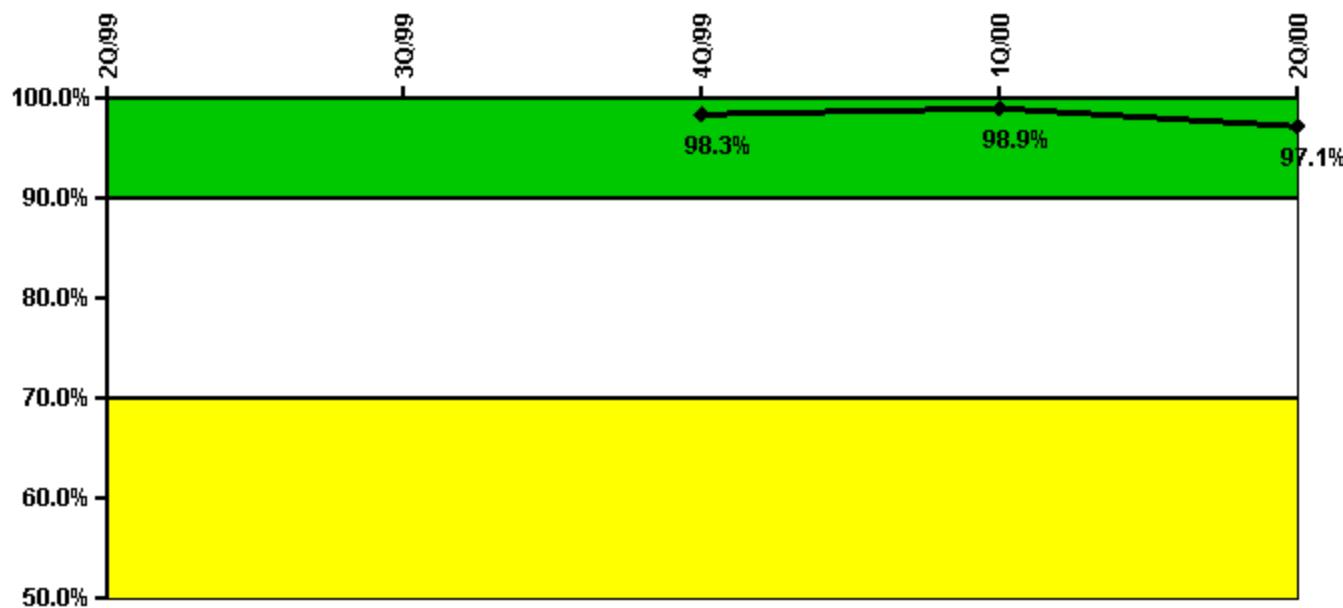


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00
Maximum leakage	0.500	0.460	0.370	0.510	0.350	0.490	0.390	0.460	0.420	0.460	0.300	0.280
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	5.0	4.6	3.7	5.1	3.5	4.9	3.9	4.6	4.2	4.6	3.0	2.8

Licensee Comments: none

Drill/Exercise Performance

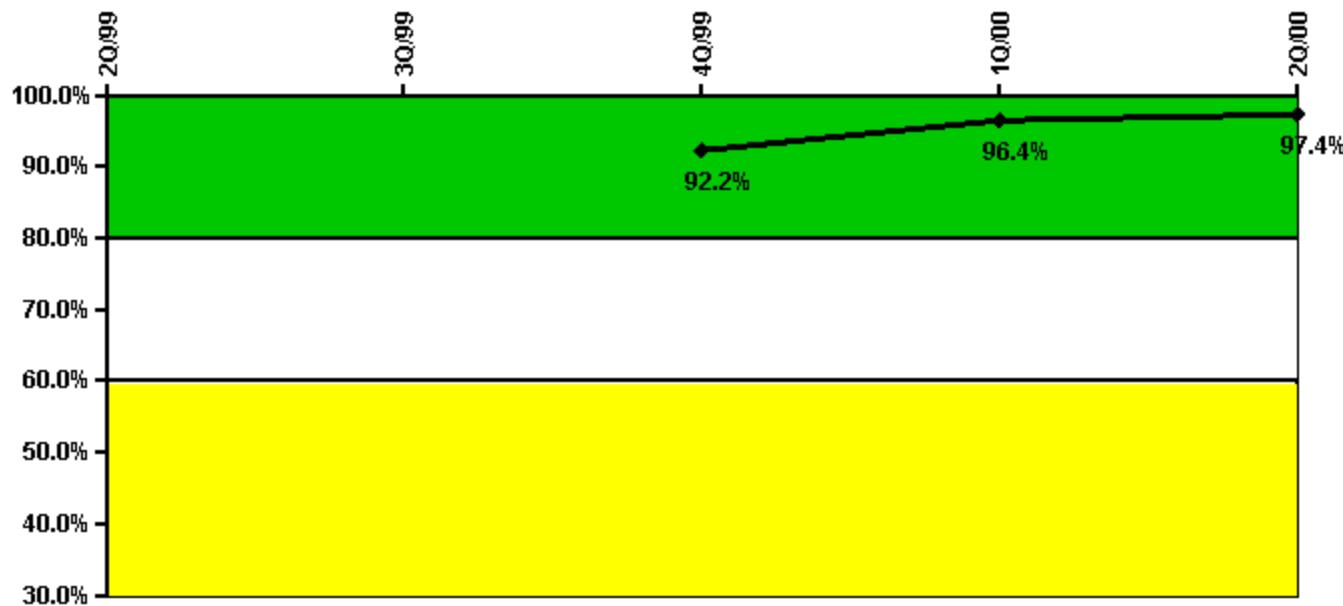
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful opportunities	7.0	14.0	20.0	38.0	16.0
Total opportunities	7.0	14.0	20.0	38.0	18.0
Indicator value			98.3%	98.9%	97.1%

Licensee Comments: none

ERO Drill Participation



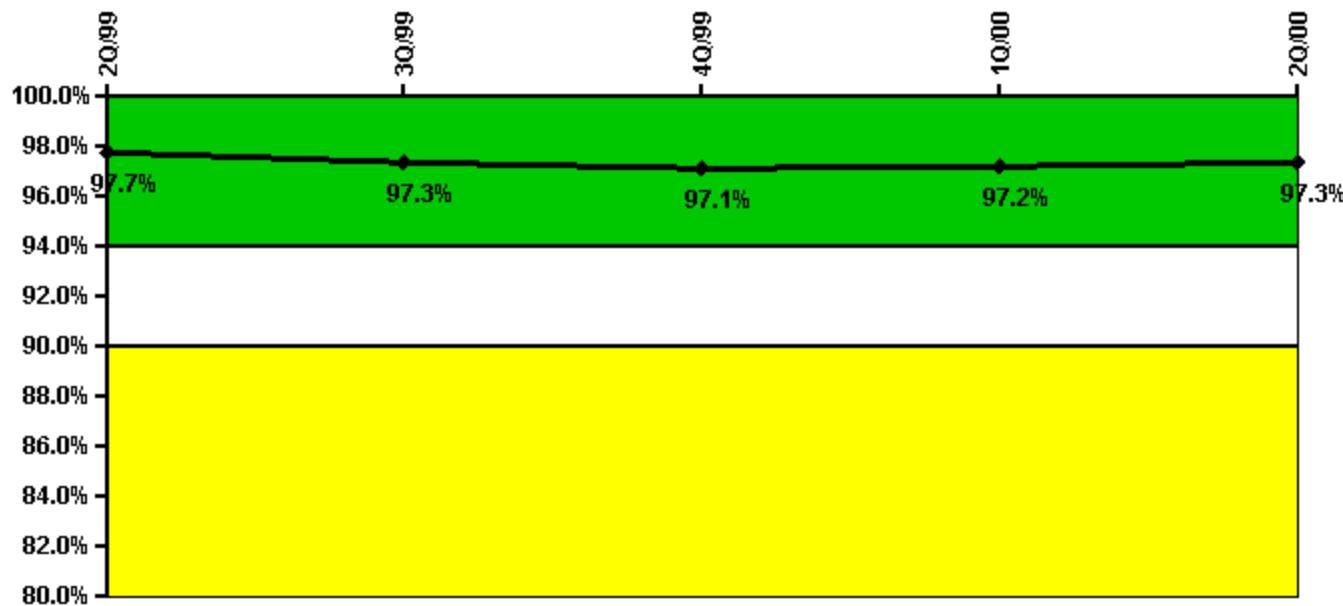
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Participating Key personnel			106.0	107.0	74.0
Total Key personnel			115.0	111.0	76.0
Indicator value			92.2%	96.4%	97.4%

Licensee Comments: none

Alert & Notification System

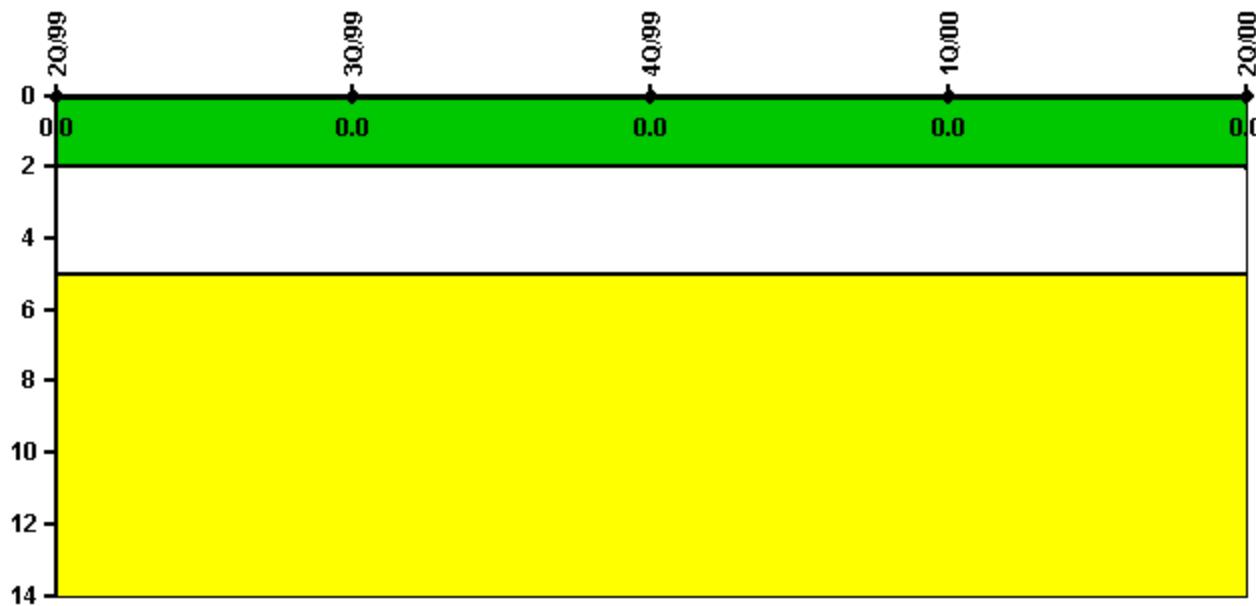


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful siren-tests	1549	1629	1653	1662	1656
Total sirens-tests	1590	1696	1696	1696	1696
Indicator value	97.7%	97.3%	97.1%	97.2%	97.3%

Licensee Comments: none

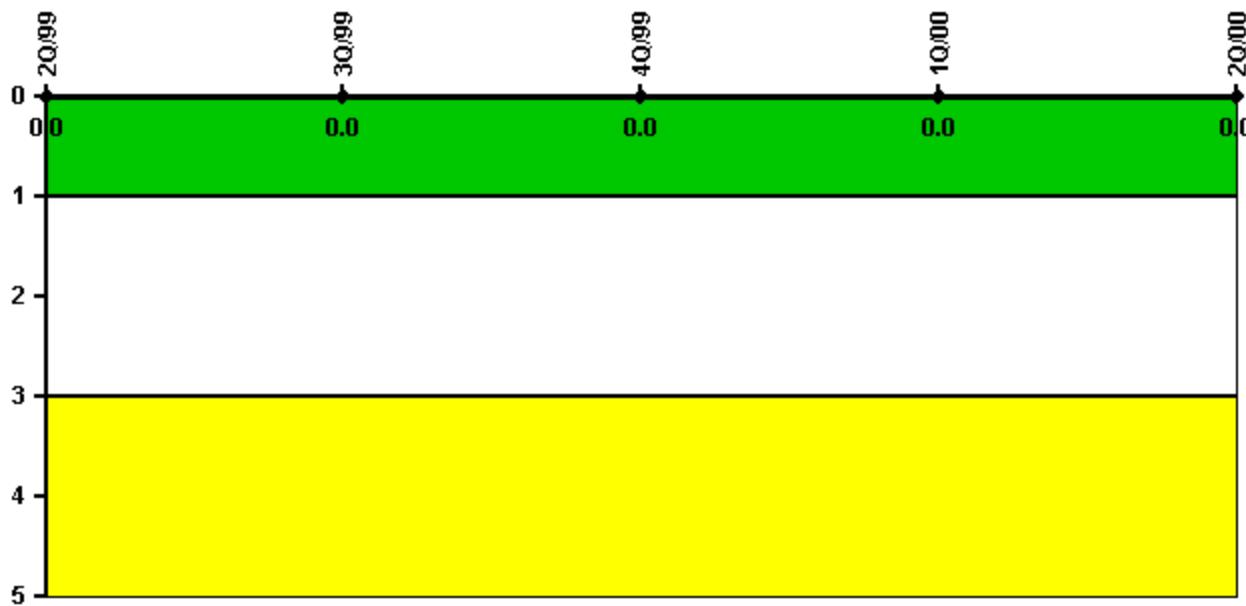
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

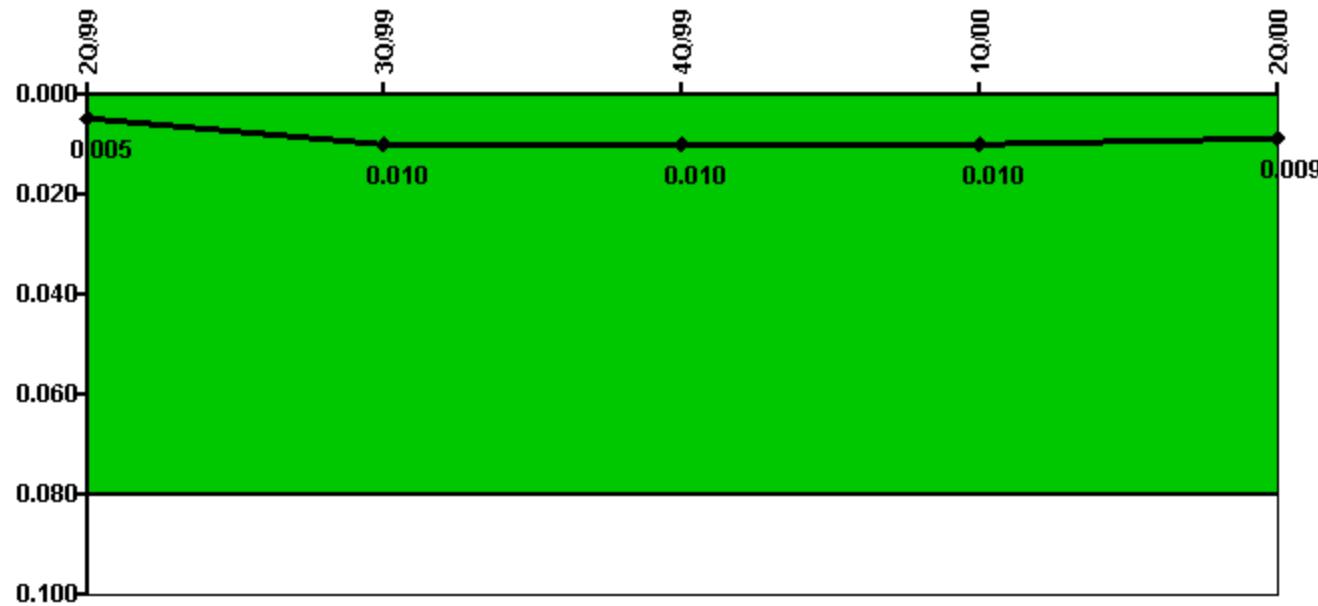
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



Thresholds: White > 0.080

Notes

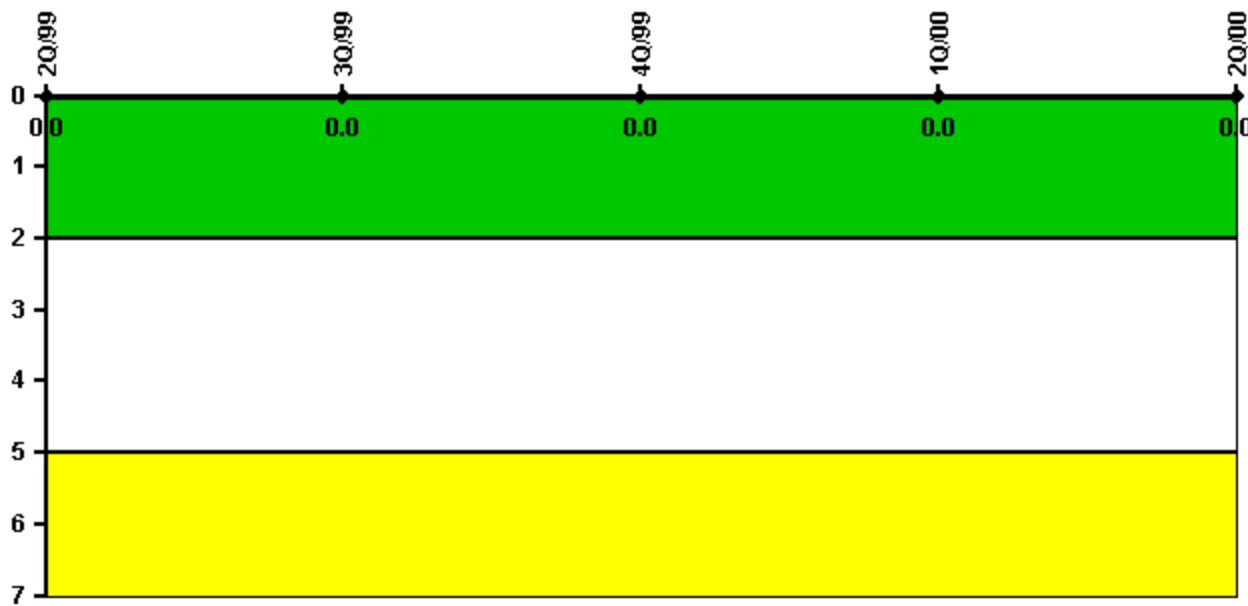
Protected Area Security Performance Index	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
IDS compensatory hours	20.70	158.10	17.50	0.90	0
CCTV compensatory hours	0	2.1	0	0	0
IDS normalization factor	1.15	1.15	1.15	1.15	1.15
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	0.005	0.010	0.010	0.010	0.009

Licensee Comments:

2Q/00: It was determined that compensatory hours for the intrusion detection system (IDS) for the Access Portal doors had been reported. However, these doors were not included in the number of IDS zones used in the normalization factor and any compensatory hours should not have been reported for the Access Portal doors.

1Q/00: It was determined that compensatory hours for the intrusion detection system (IDS) for the Access Portal doors had been previously reported. However, these doors were not included in the IDS zones used in the normalization factor and any compensatory hours should not have been reported for the Access Portal doors.

Personnel Screening Program

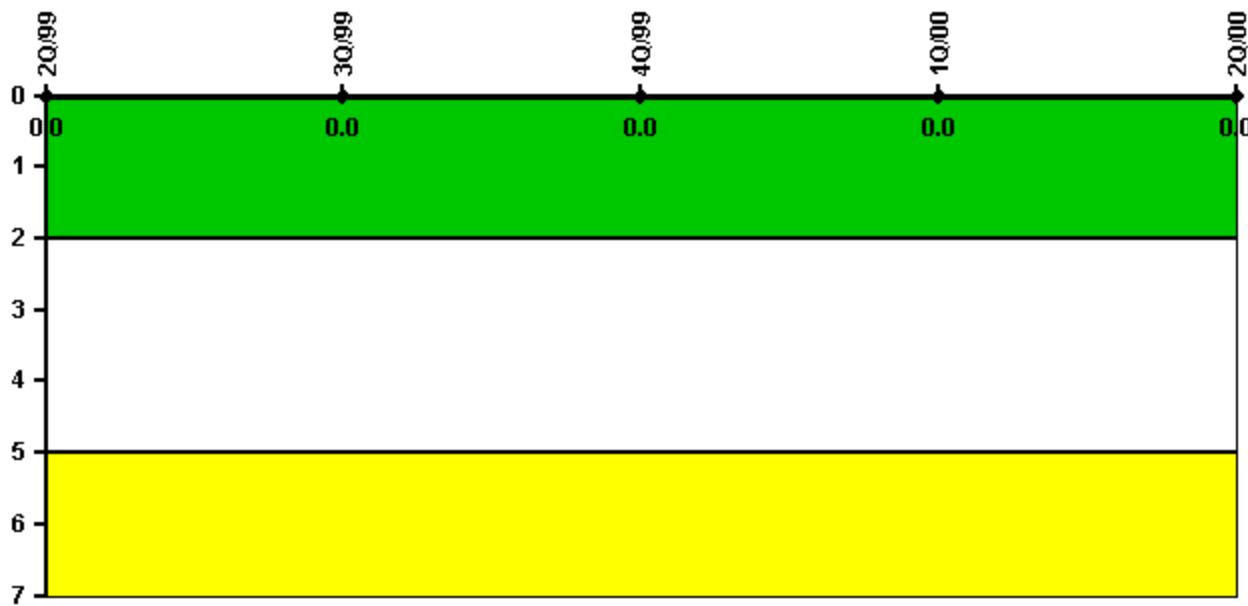


Thresholds: White > 2.0 Yellow > 5.0

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

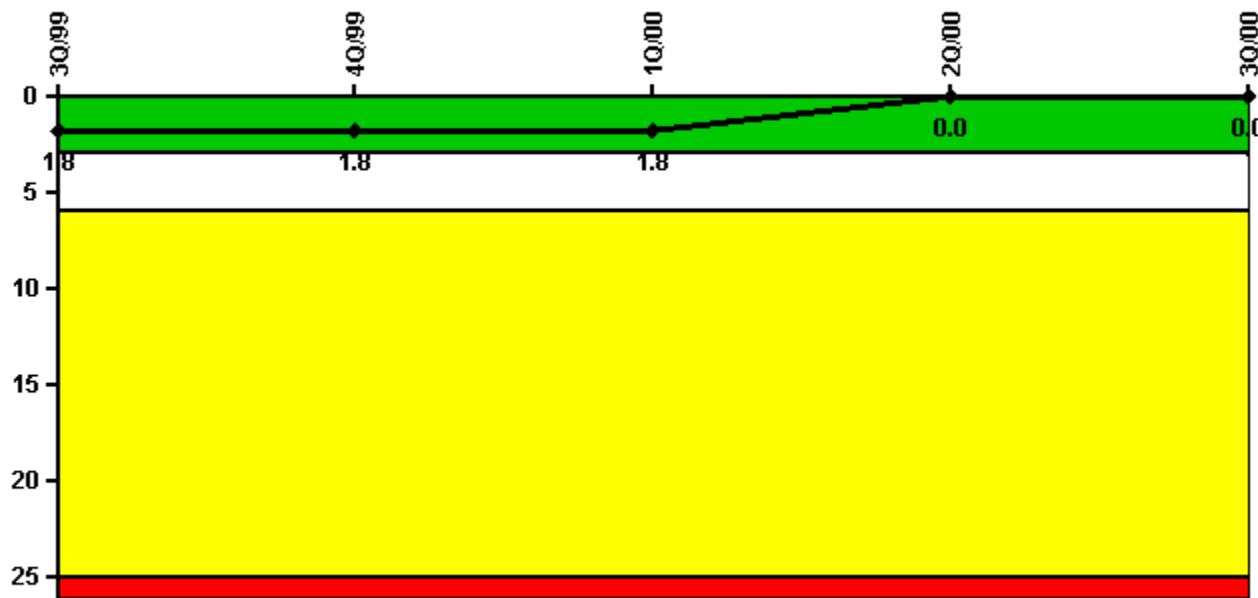


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Last Modified: April 1, 2002

Summer**3Q/2000 Performance Indicators**

Licensee's General Comments: none

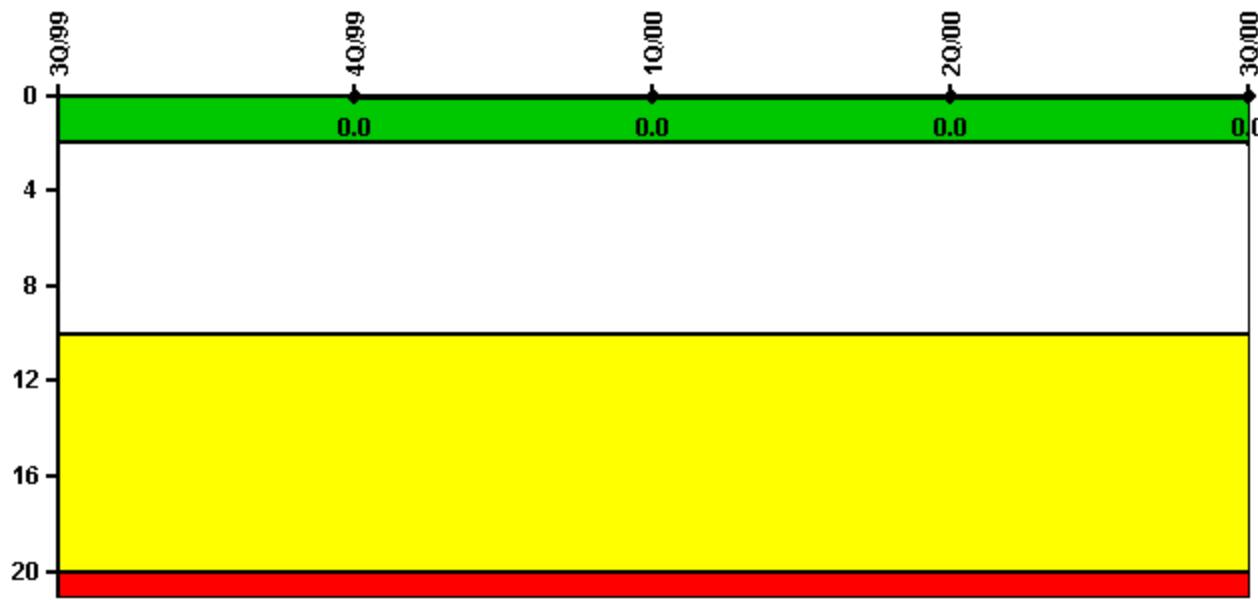
Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned scrams	0	0	0	0	0
Critical hours	2208.0	2209.0	2184.0	2183.0	2208.0
Indicator value	1.8	1.8	1.8	0	0

Licensee Comments: none

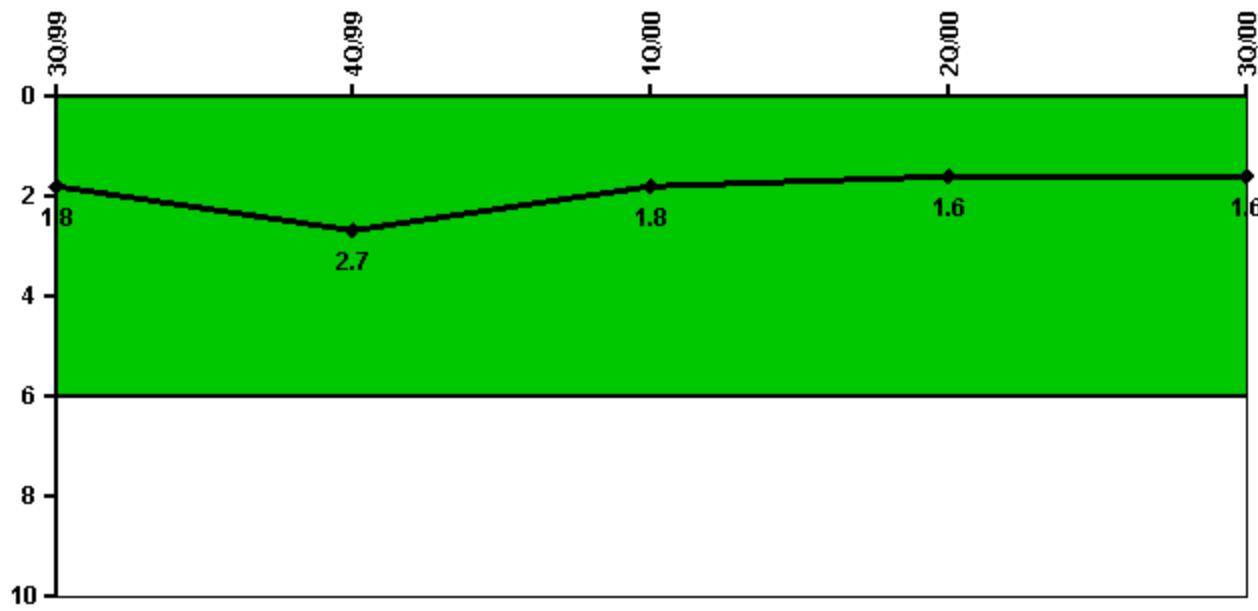
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

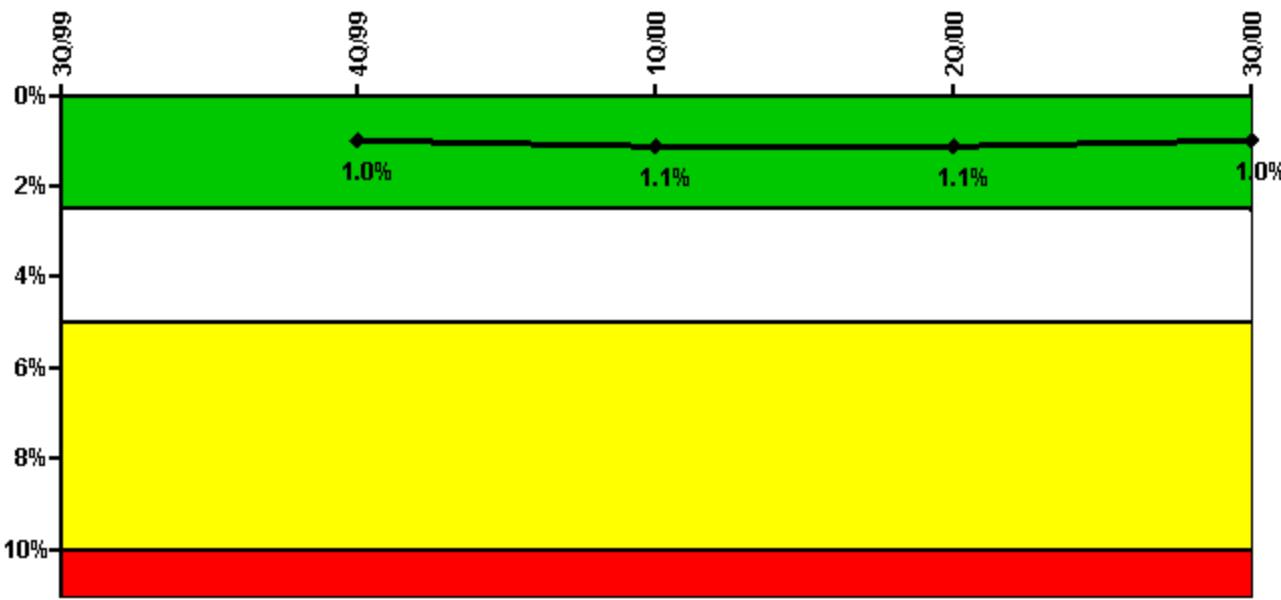
Thresholds: White > 6.0

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	1.0	0
Critical hours	2208.0	2209.0	2184.0	2183.0	2208.0
Indicator value	1.8	2.7	1.8	1.6	1.6

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



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

Notes

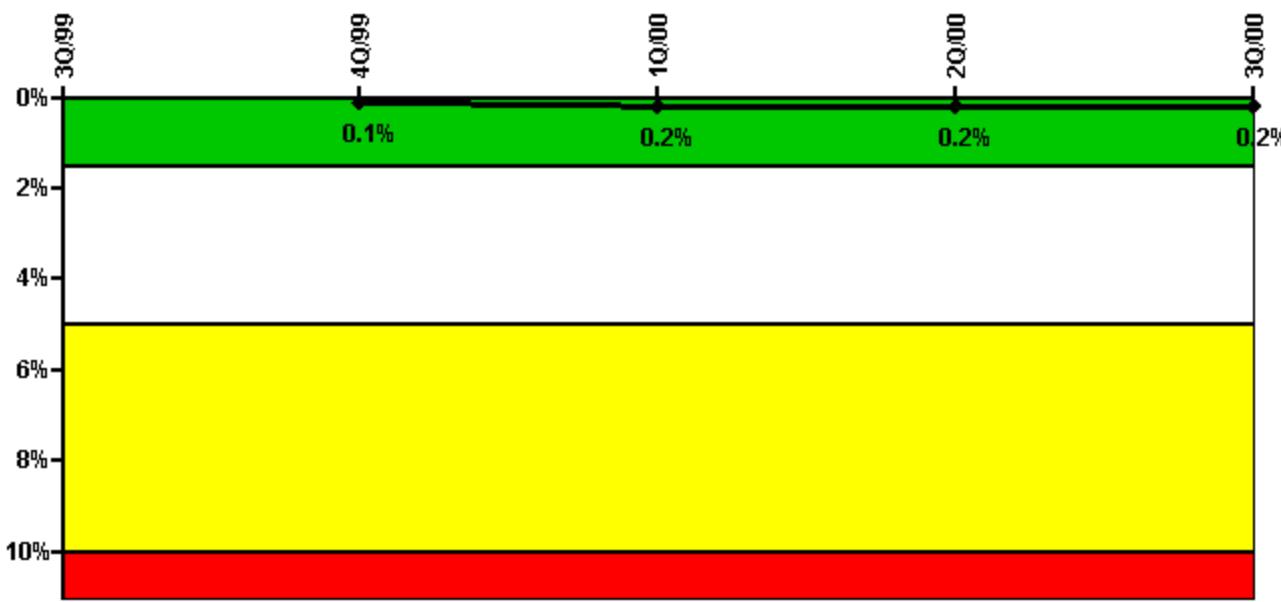
Safety System Unavailability, Emergency AC Power	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	12.90	0.60	52.30	11.50	11.70
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2					
Planned unavailable hours	16.80	12.00	13.60	25.90	16.00
Unplanned unavailable hours	0	0	0	12.30	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value		1.0%	1.1%	1.1%	1.0%

Licensee Comments:

4Q/99: Train 2 planned unavailable hours were erroneously reported under Train 1. This had no impact to the performance indicator.

1Q/00: Train 2 planned unavailable hours were erroneously reported under Train 1 planned unavailable hours. This did not impact performance indicator.

Safety System Unavailability, High Pressure Injection System (HPSI)



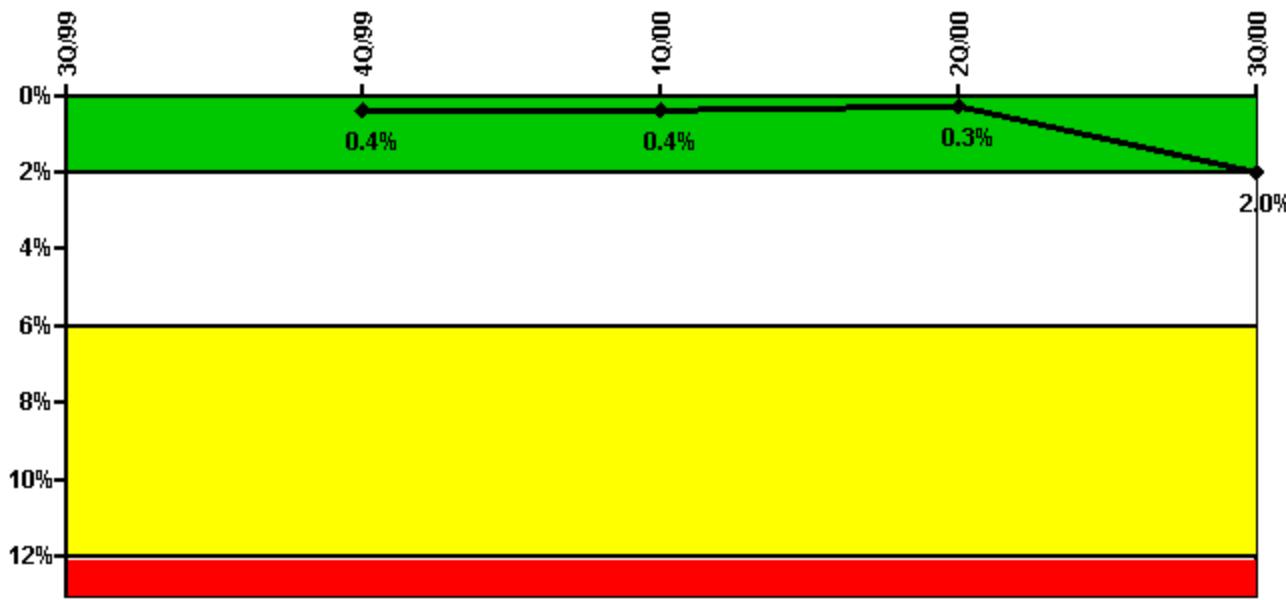
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	3.50	3.50	14.20	3.25	3.50
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	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2					
Planned unavailable hours	3.75	3.25	15.55	3.25	3.25
Unplanned unavailable hours	0	0	0	21.30	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value		0.1%	0.2%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



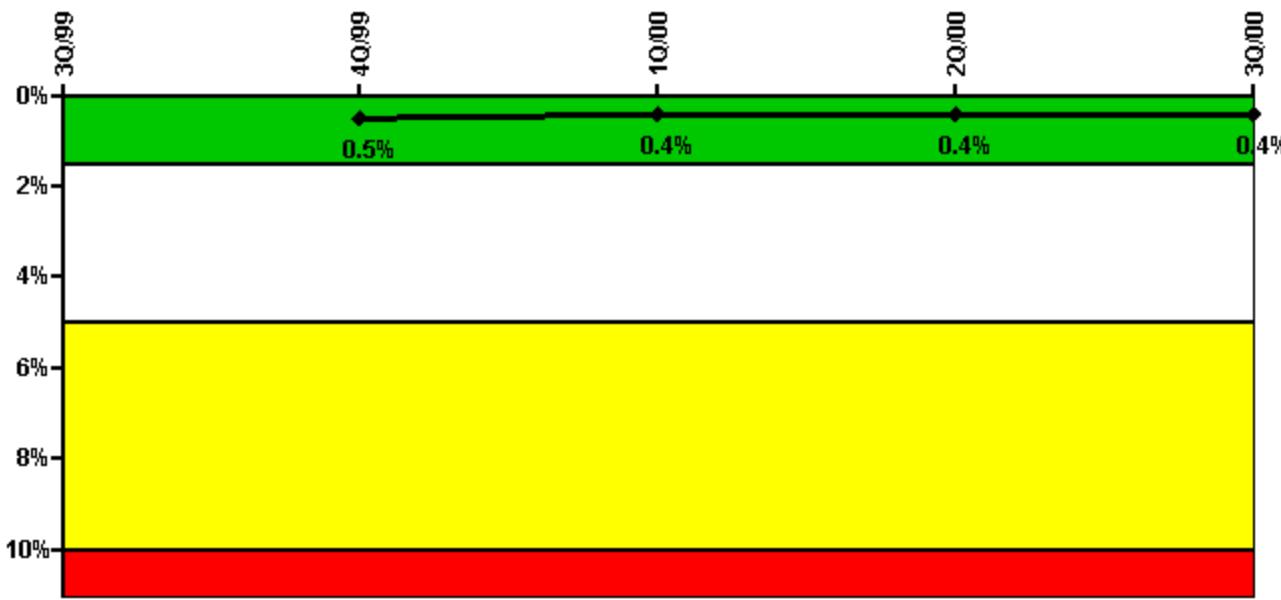
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)		3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1						
Planned unavailable hours		0	8.50	0	2.00	30.80
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		2208.00	2209.00	2184.00	2183.00	2208.00
Train 2						
Planned unavailable hours		0	13.30	0	15.80	6.00
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2208.00	2209.00	2184.00	2183.00	2208.00
Train 3						
Planned unavailable hours		0	10.60	0	7.50	0
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	1157.00
Effective Reset hours		0	0	0	0	0
Required hours		2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value			0.4%	0.4%	0.3%	2.0%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



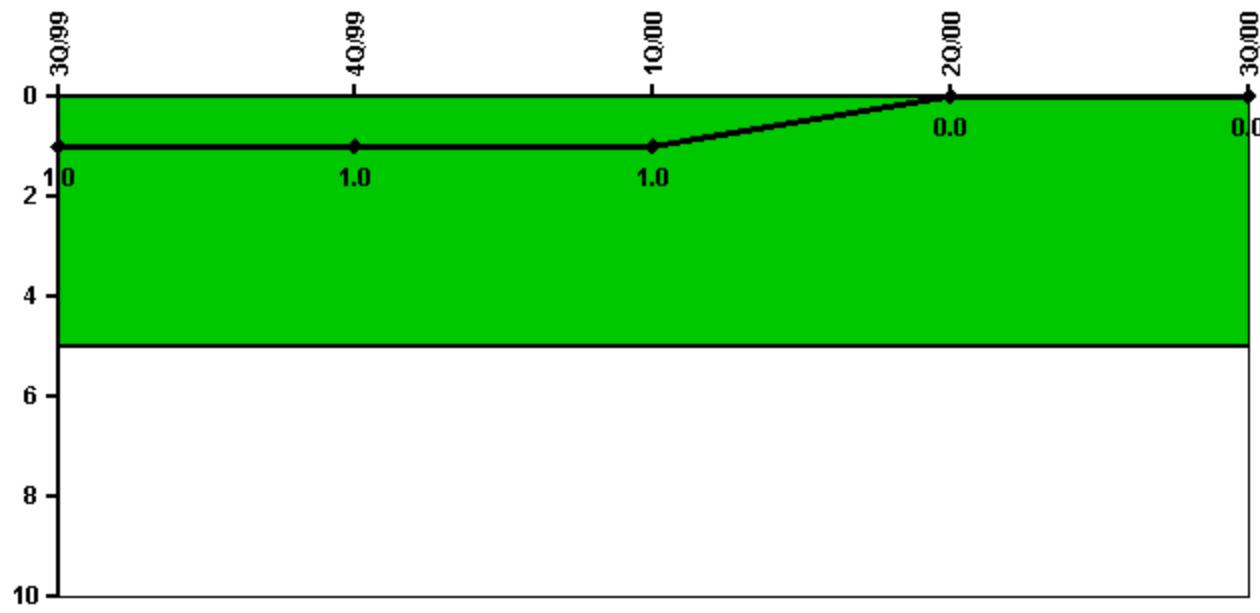
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System		3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1						
Planned unavailable hours		11.50	23.95	0.25	0.25	9.30
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2208.00	2209.00	2184.00	2183.00	2208.00
Train 2						
Planned unavailable hours		9.60	7.05	12.55	0.25	12.00
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value			0.5%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Functional Failures (PWR)



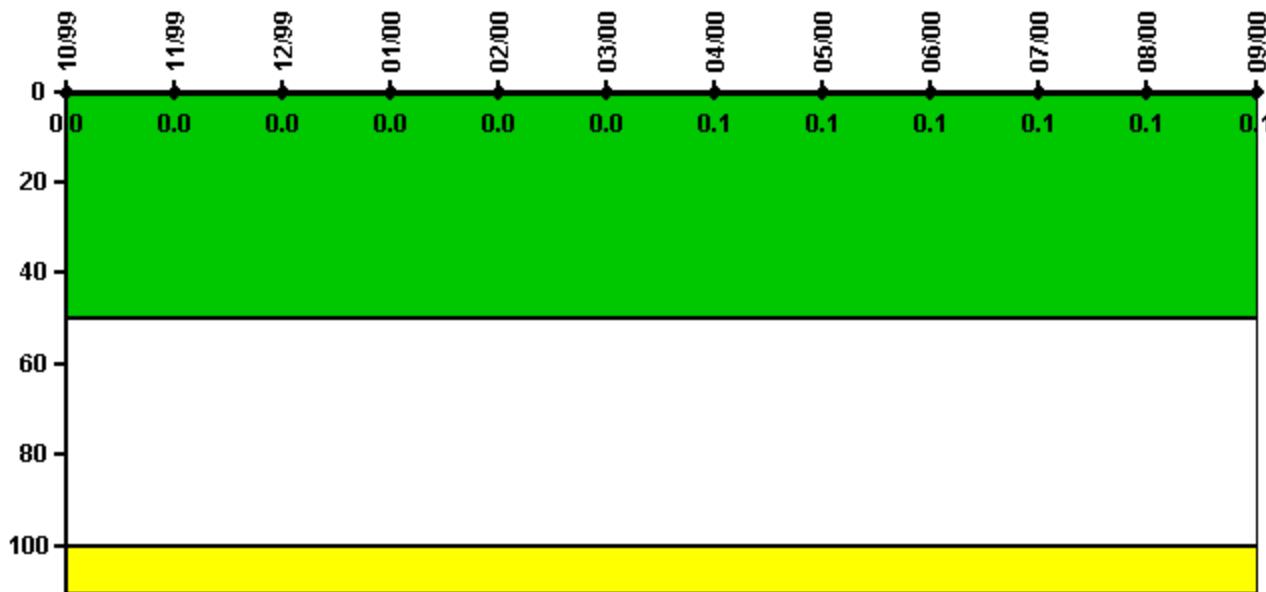
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000327	0.000487	0.000359	0.000382	0.000440	0.000409	0.000504	0.000440	0.000453	0.000538	0.000467	0.000444
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments:

6/00: Data changed to reflect more restrictive administrative limit.

Reactor Coolant System Leakage

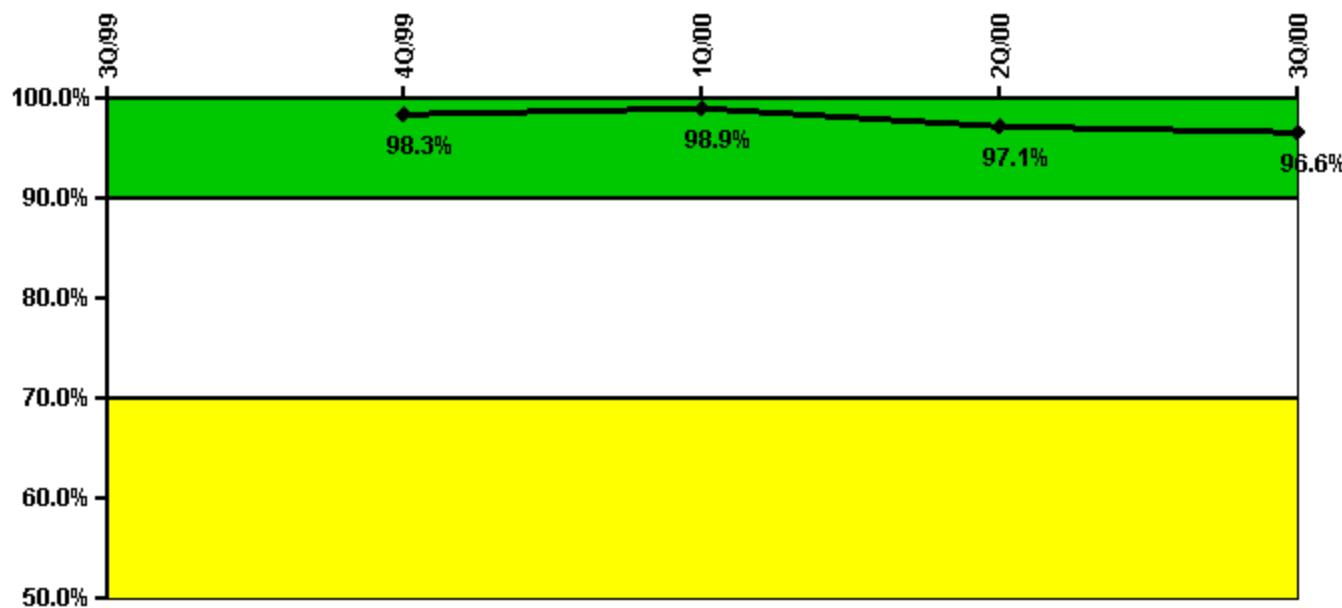


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.510	0.350	0.490	0.390	0.460	0.420	0.460	0.300	0.280	0.310	0.290	0.320
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	5.1	3.5	4.9	3.9	4.6	4.2	4.6	3.0	2.8	3.1	2.9	3.2

Licensee Comments: none

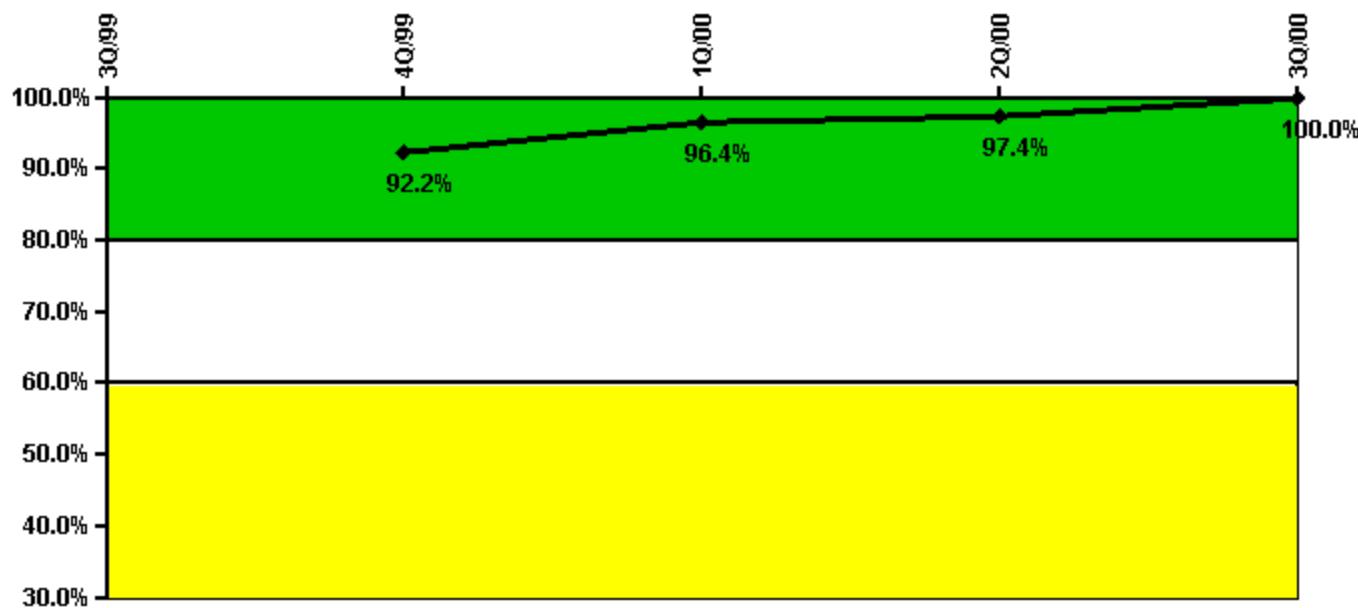
Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful opportunities	14.0	20.0	38.0	16.0	13.0
Total opportunities	14.0	20.0	38.0	18.0	14.0
Indicator value		98.3%	98.9%	97.1%	96.6%

Licensee Comments: none

ERO Drill Participation

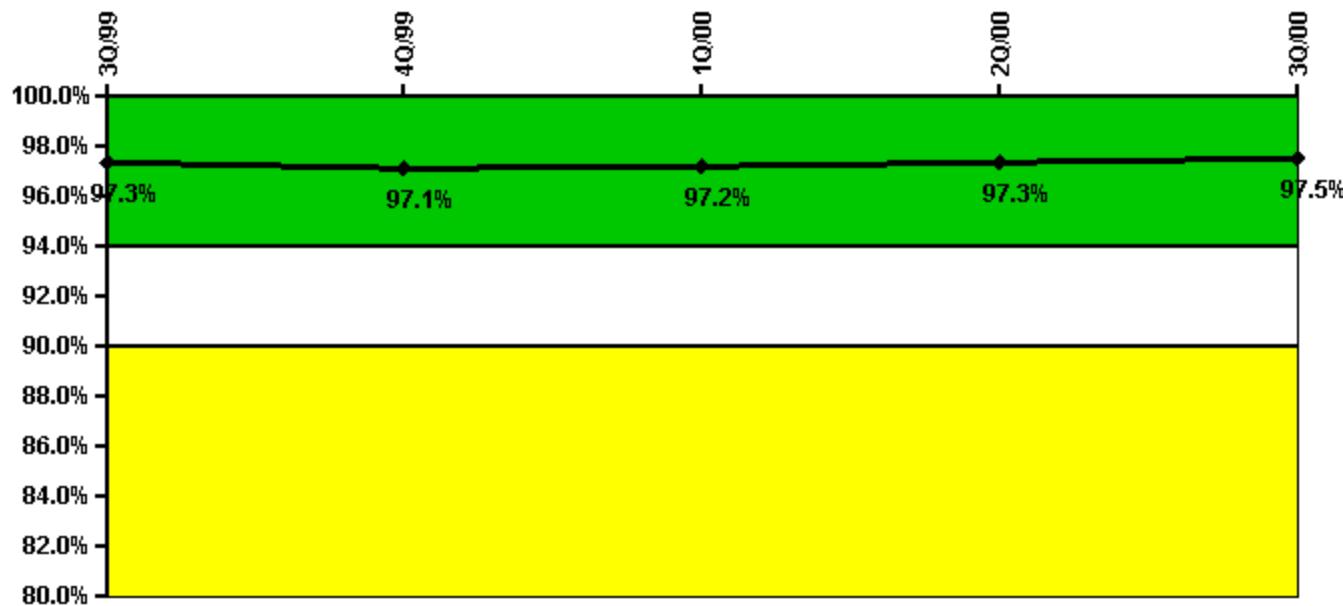
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Participating Key personnel		106.0	107.0	74.0	77.0
Total Key personnel		115.0	111.0	76.0	77.0
Indicator value		92.2%	96.4%	97.4%	100.0%

Licensee Comments: none

Alert & Notification System

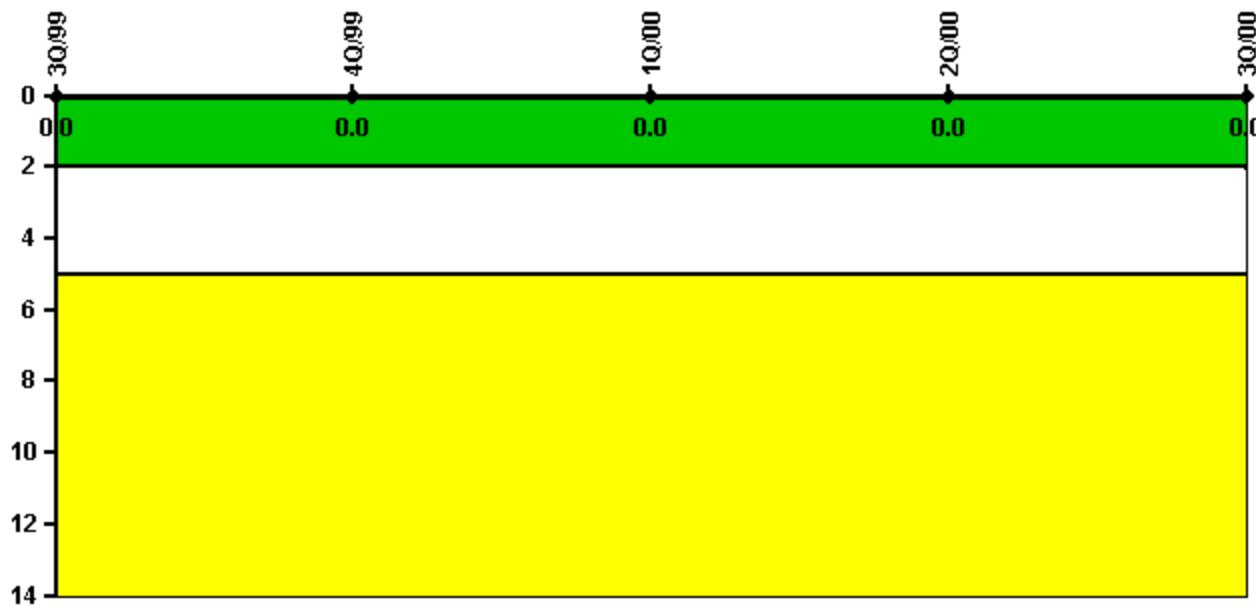


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful siren-tests	1629	1653	1662	1656	1749
Total sirens-tests	1696	1696	1696	1696	1802
Indicator value	97.3%	97.1%	97.2%	97.3%	97.5%

Licensee Comments: none

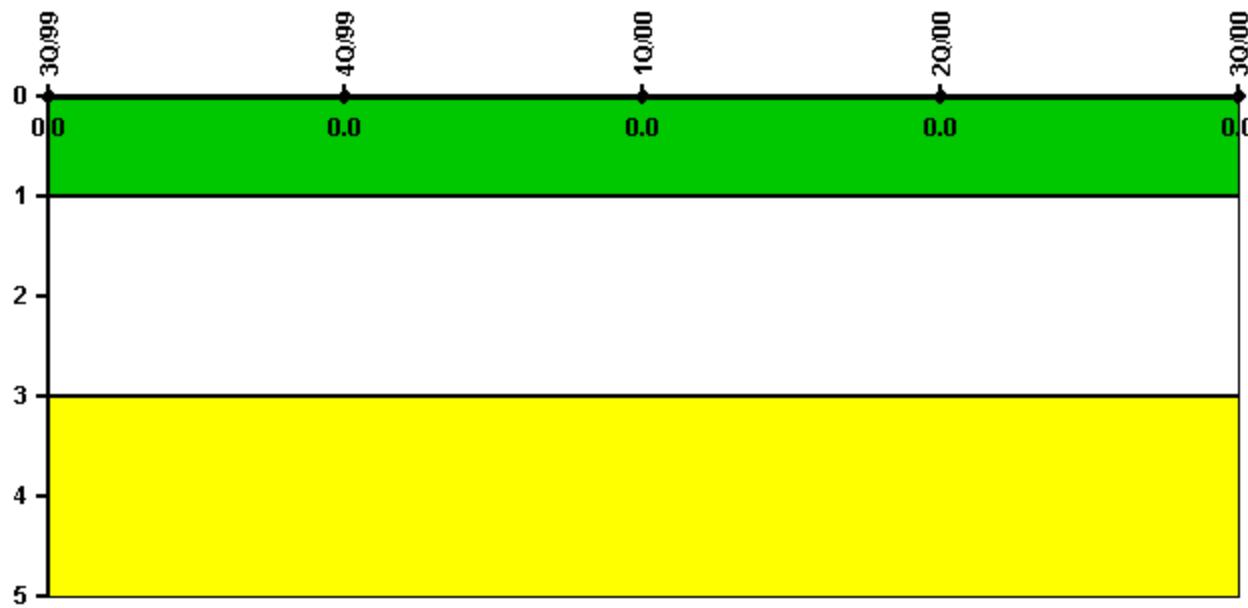
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

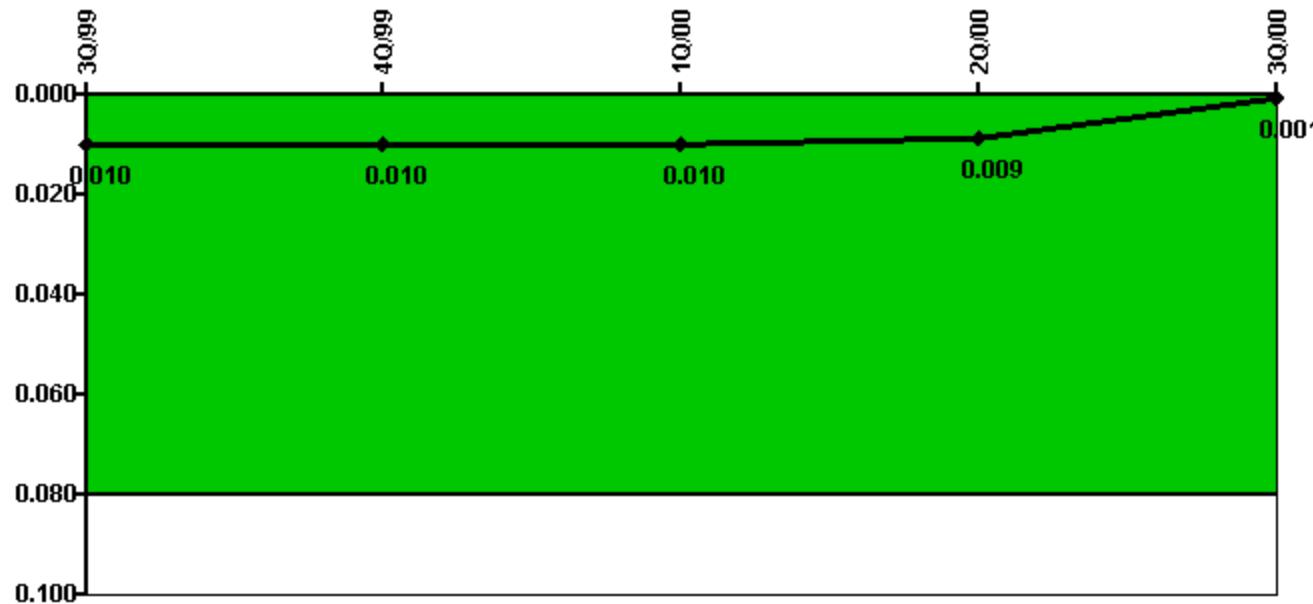
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
IDS compensatory hours	158.10	17.50	0.90	0	0
CCTV compensatory hours	2.1	0	0	0	0
IDS normalization factor	1.15	1.15	1.15	1.15	1.15
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	0.010	0.010	0.010	0.009	0.001

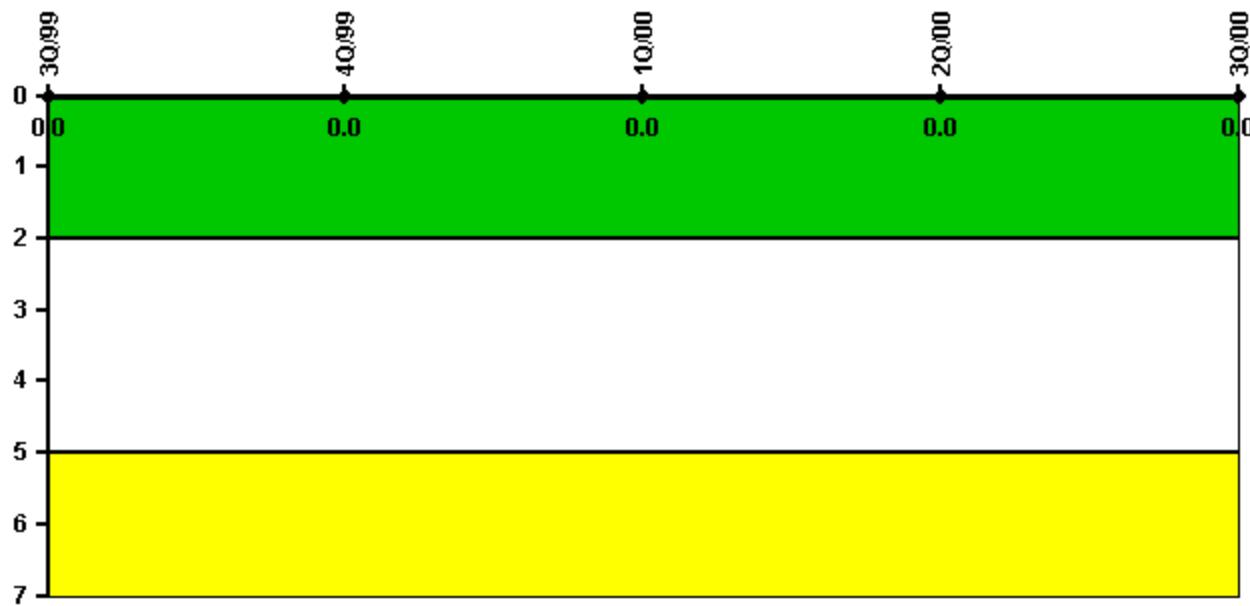
Licensee Comments:

3Q/00: It was determined that the compensatory hours for the intrusion detection system (IDS) for the Access Portal doors had been reported. However, these doors were not included in the number of IDS zones used in the normalization factor and any compensatory hours should not have been reported for the Access Portal doors.

2Q/00: It was determined that compensatory hours for the intrusion detection system (IDS) for the Access Portal doors had been reported. However, these doors were not included in the number of IDS zones used in the normalization factor and any compensatory hours should not have been reported for the Access Portal doors.

1Q/00: It was determined that compensatory hours for the intrusion detection system (IDS) for the Access Portal doors had been previously reported. However, these doors were not included in the IDS zones used in the normalization factor and any compensatory hours should not have been reported for the Access Portal doors.

Personnel Screening Program



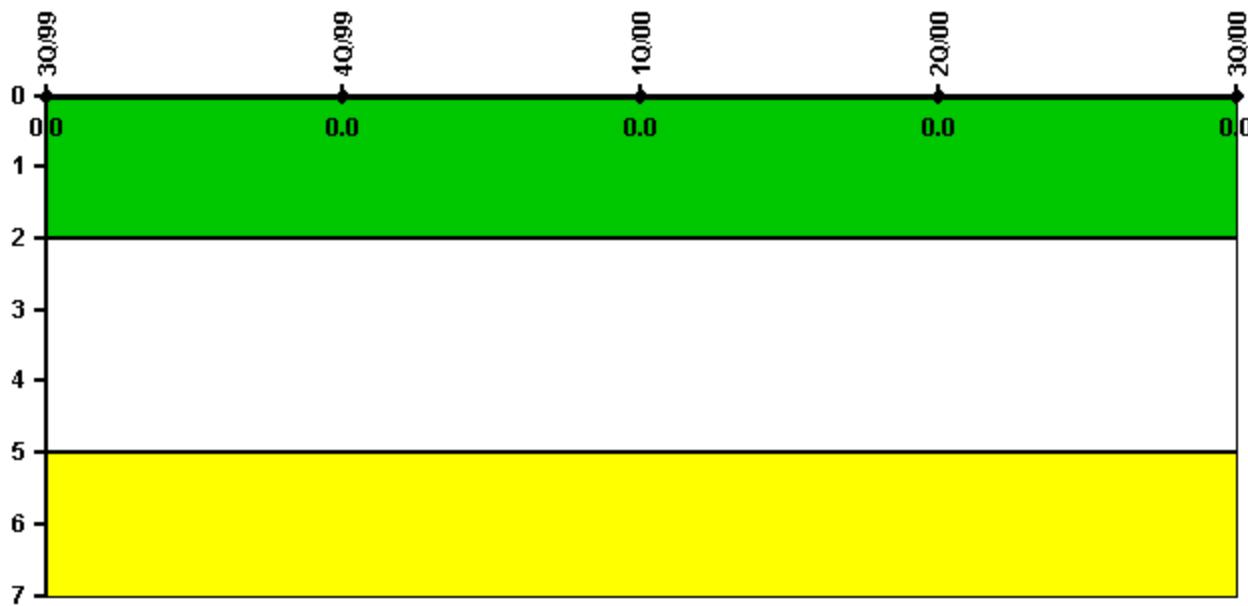
Thresholds: White > 2.0 Yellow > 5.0

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

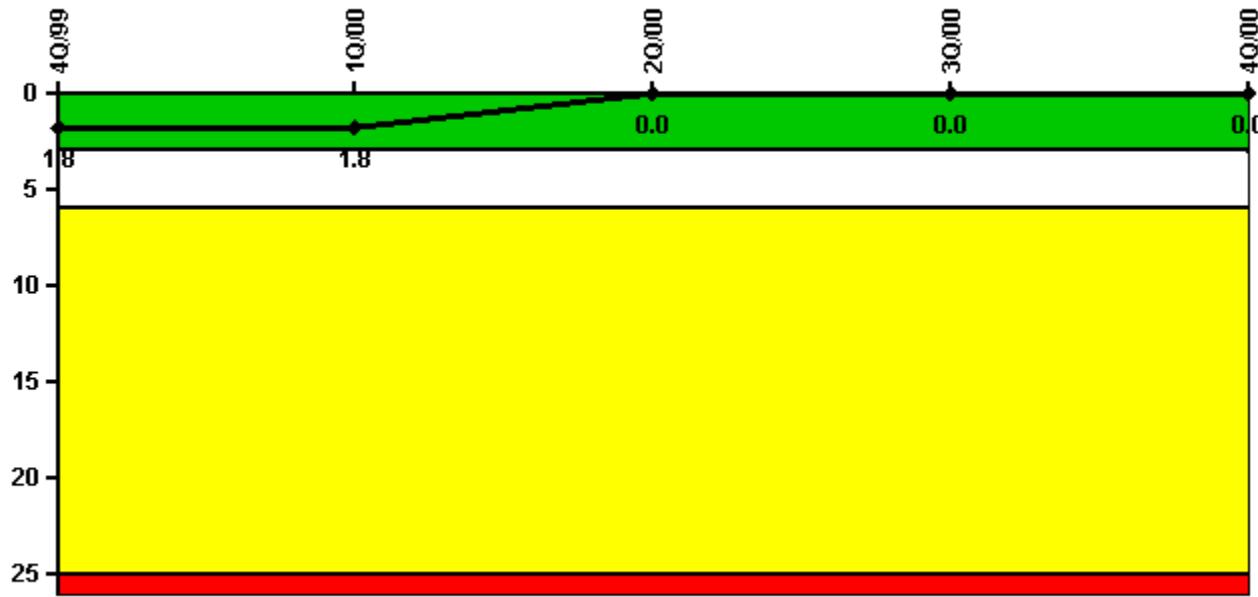


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Last Modified: March 29, 2002

Summer**4Q/2000 Performance Indicators**

Licensee's General Comments: none

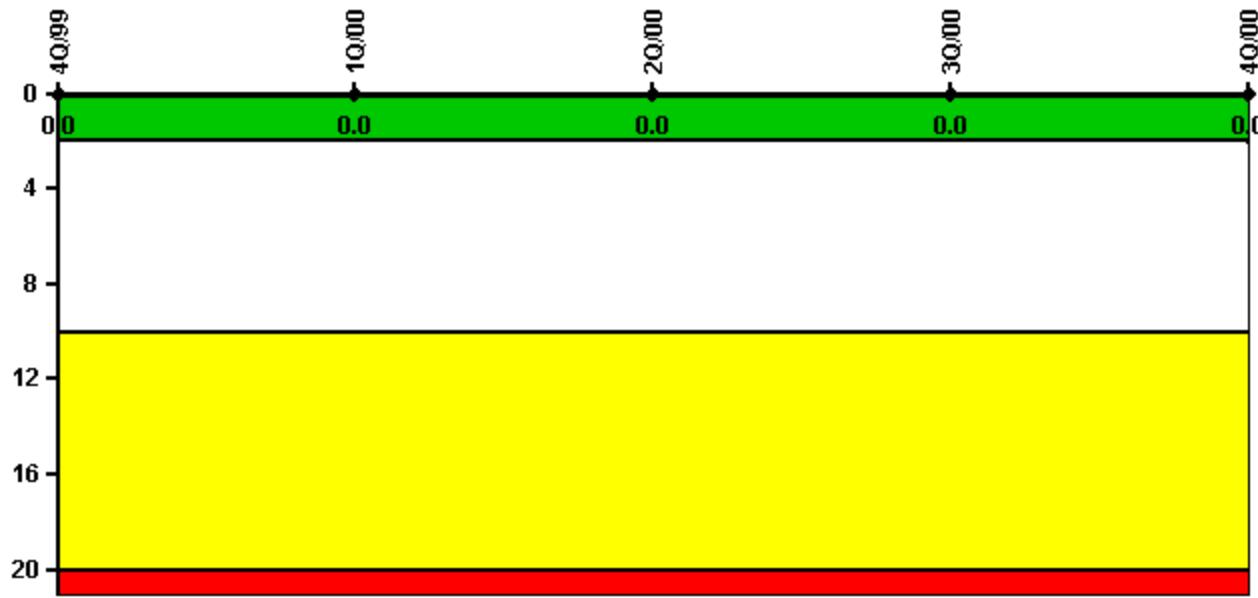
Unplanned Scrams per 7000 Critical Hrs

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	2209.0	2184.0	2183.0	2208.0	149.9
Indicator value	1.8	1.8	0	0	0

Licensee Comments: none

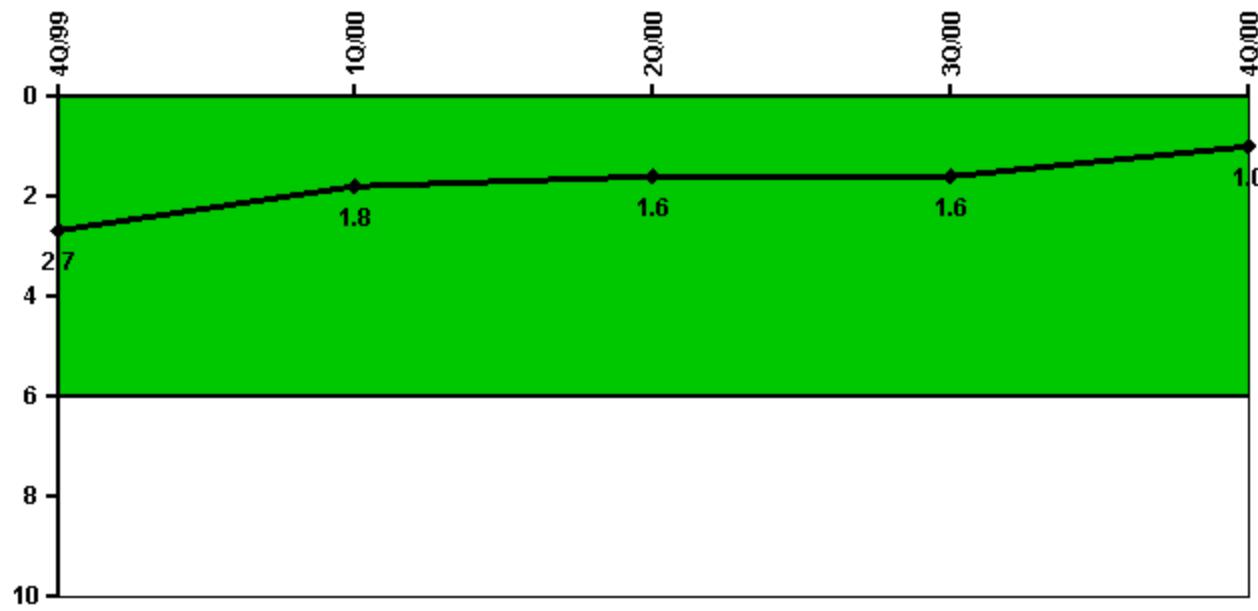
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

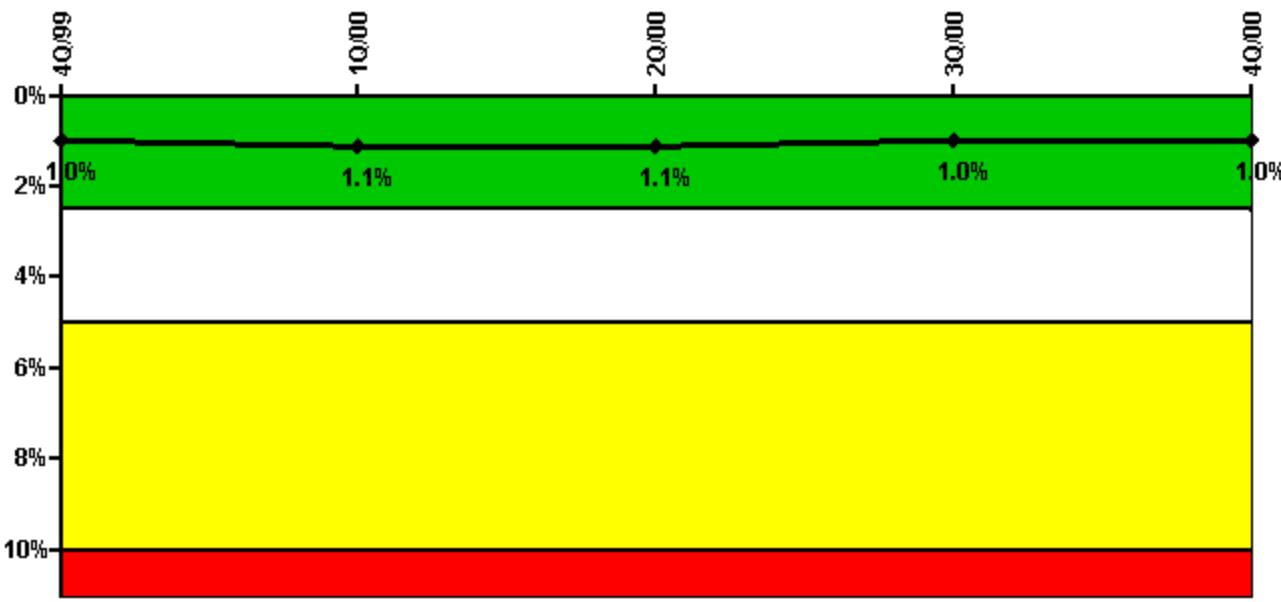
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned power changes	1.0	0	1.0	0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	149.9
Indicator value	2.7	1.8	1.6	1.6	1.0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



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

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	0.60	52.30	11.50	11.70	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	172.70
Train 2					
Planned unavailable hours	12.00	13.60	25.90	16.00	0
Unplanned unavailable hours	0	0	12.30	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	406.20
Indicator value	1.0%	1.1%	1.1%	1.0%	1.0%

Licensee Comments:

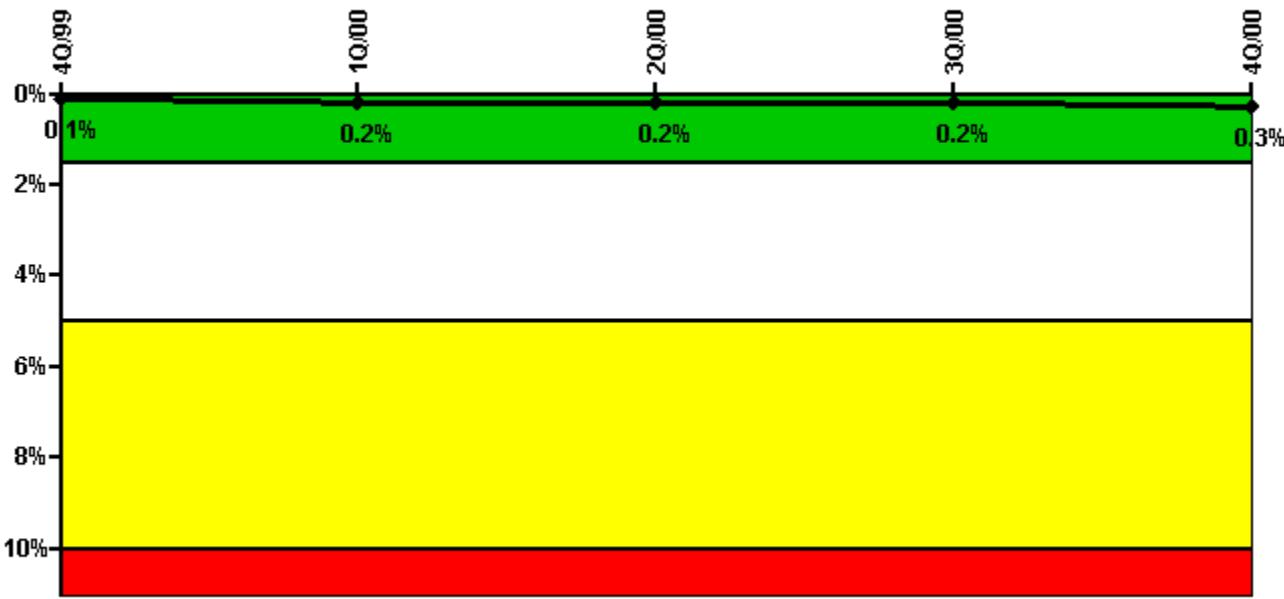
4Q/00: VCSNS is shutdown for refueling outage.

4Q/00: Data revised to report the actual number of hours that the system was required. VCSNS was shutdown for an extended refueling outage.

4Q/99: Train 2 planned unavailable hours were erroneously reported under Train 1. This had no impact to the performance indicator.

1Q/99: Train 2 planned unavailable hours were erroneously reported under Train 1 planned unavailable hours. This did not impact performance indicator.

Safety System Unavailability, High Pressure Injection System (HPSI)



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

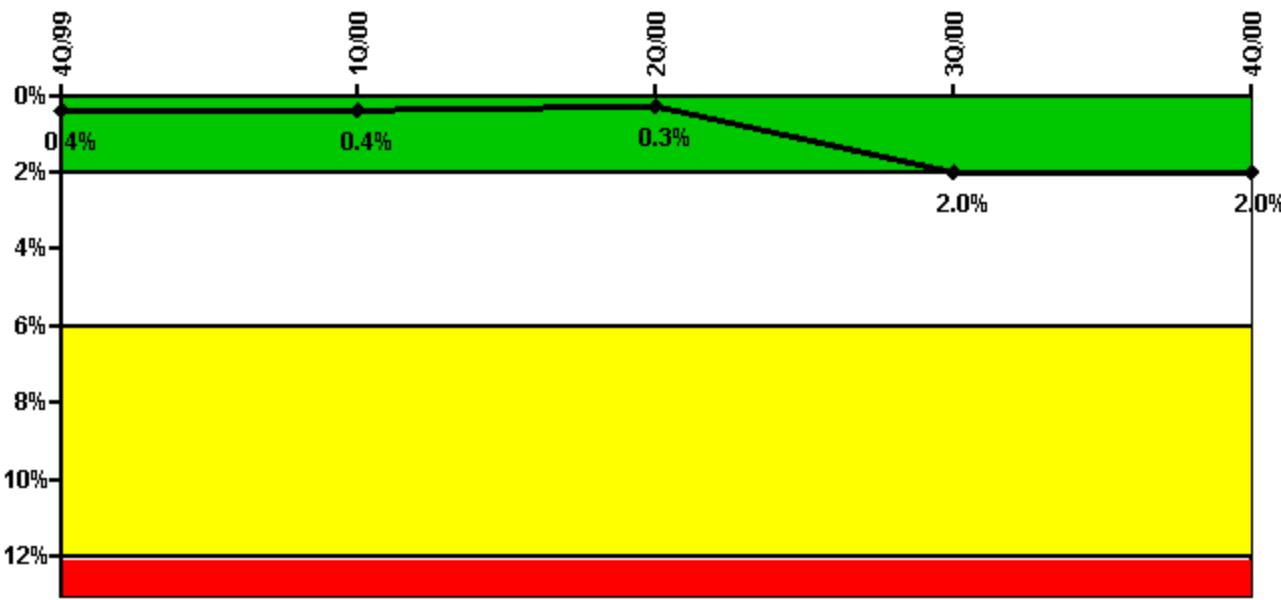
Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	3.50	14.20	3.25	3.50	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	149.90
Train 2					
Planned unavailable hours	3.25	15.55	3.25	3.25	0
Unplanned unavailable hours	0	0	21.30	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	149.90
Indicator value	0.1%	0.2%	0.2%	0.2%	0.3%

Licensee Comments:

4Q/00: VCSNS is shutdown for refueling outage.

Safety System Unavailability, Heat Removal System (AFW)



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

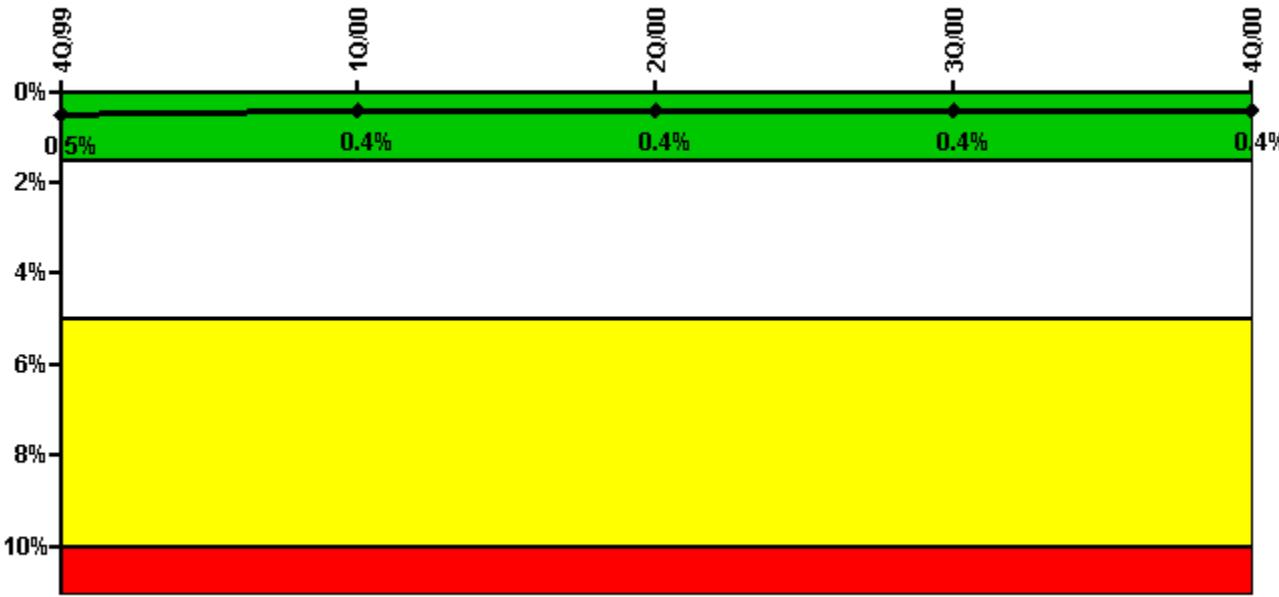
Notes

Safety System Unavailability, Heat Removal System (AFW)		4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1						
Planned unavailable hours		8.50	0	2.00	30.80	0
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	149.90
Train 2						
Planned unavailable hours		13.30	0	15.80	6.00	0
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	149.90
Train 3						
Planned unavailable hours		10.60	0	7.50	0	0
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	1157.00	0
Effective Reset hours		0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	149.90
Indicator value		0.4%	0.4%	0.3%	2.0%	2.0%

Licensee Comments:

4Q/00: VCSNS is shutdown for refueling outage.

Safety System Unavailability, Residual Heat Removal System



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

Notes

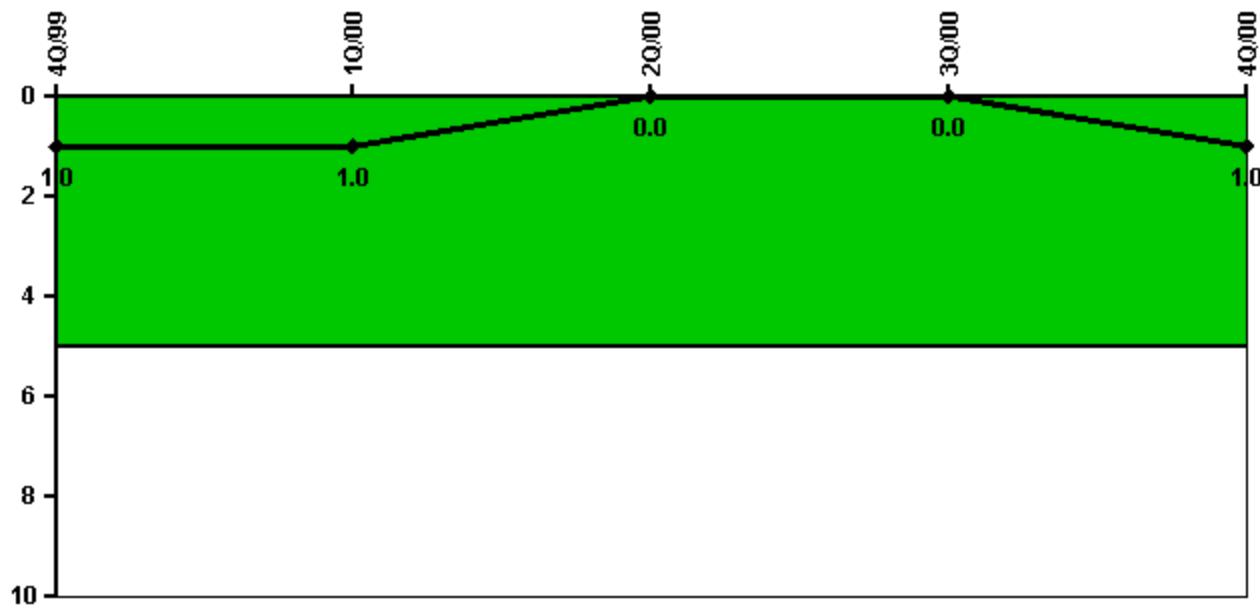
Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	23.95	0.25	0.25	9.30	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	356.30
Train 2					
Planned unavailable hours	7.05	12.55	0.25	12.00	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	406.20
Indicator value	0.5%	0.4%	0.4%	0.4%	0.4%

Licensee Comments:

4Q/00: Data revised to report the actual number of hours that the system was required. VCSNS was shutdown for an extended refueling outage.

4Q/00: VCSNS is shutdown for refueling outage.

Safety System Functional Failures (PWR)



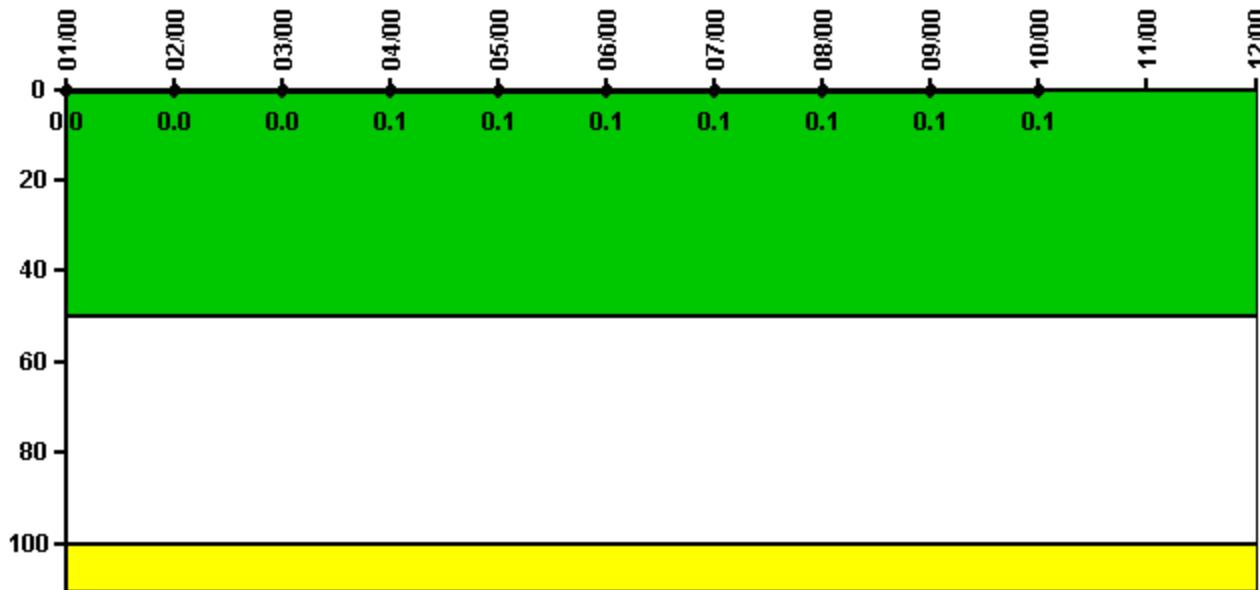
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

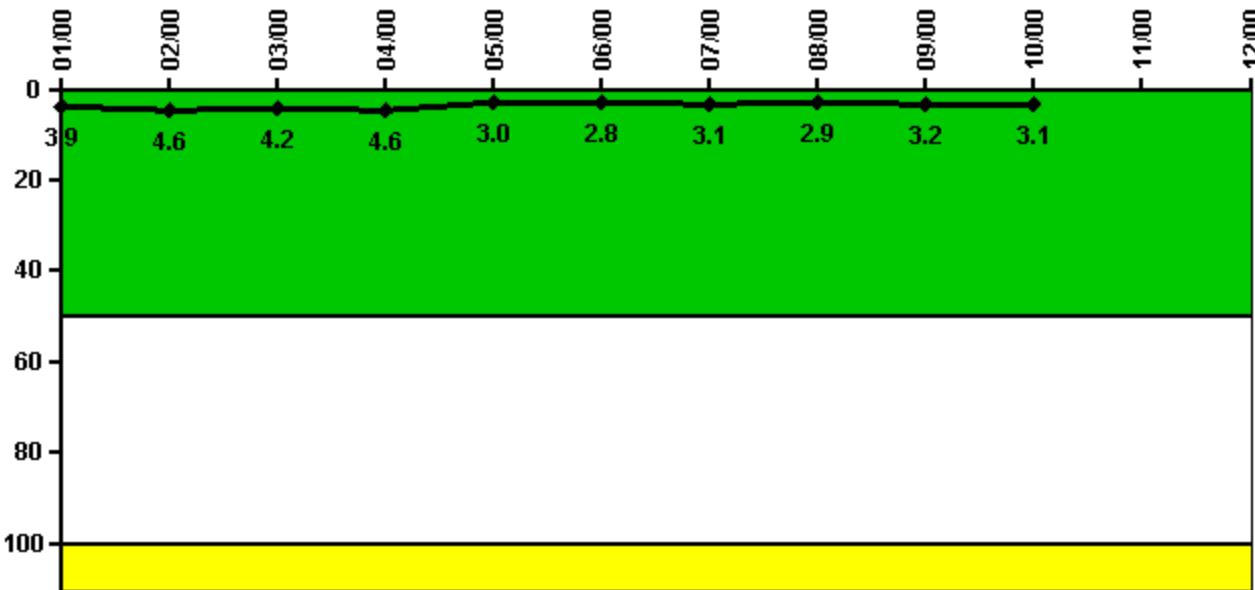
Notes

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	0.000382	0.000440	0.000409	0.000504	0.000440	0.000453	0.000538	0.000467	0.000444	0.000411	N/A	N/A
Technical specification limit	1.0	1.0	1.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A	N/A

Licensee Comments:

12/00: V. C. Summer Nuclear Station is shutdown for refueling outage. Data not available for the months of November and December 2000.

Reactor Coolant System Leakage



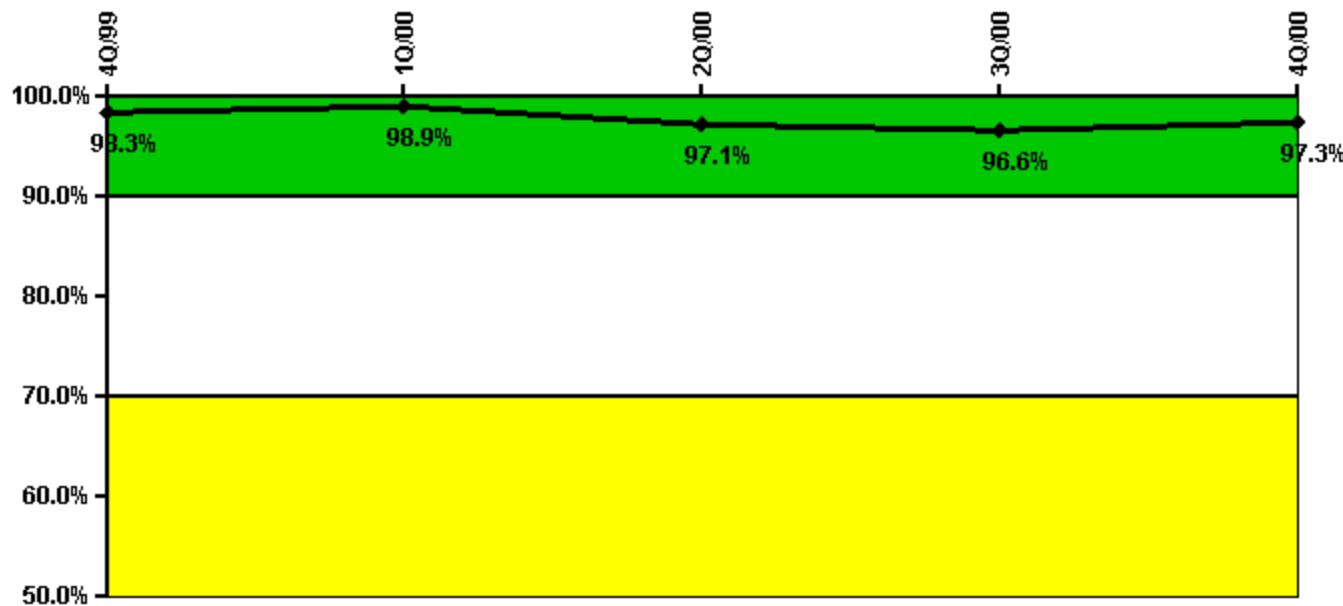
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	0.390	0.460	0.420	0.460	0.300	0.280	0.310	0.290	0.320	0.310	N/A	N/A
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	3.9	4.6	4.2	4.6	3.0	2.8	3.1	2.9	3.2	3.1	N/A	N/A

Licensee Comments:

12/00: V. C. Summer is shutdown for refueling outage. Data not available for the months of November and December 2000.

Drill/Exercise Performance

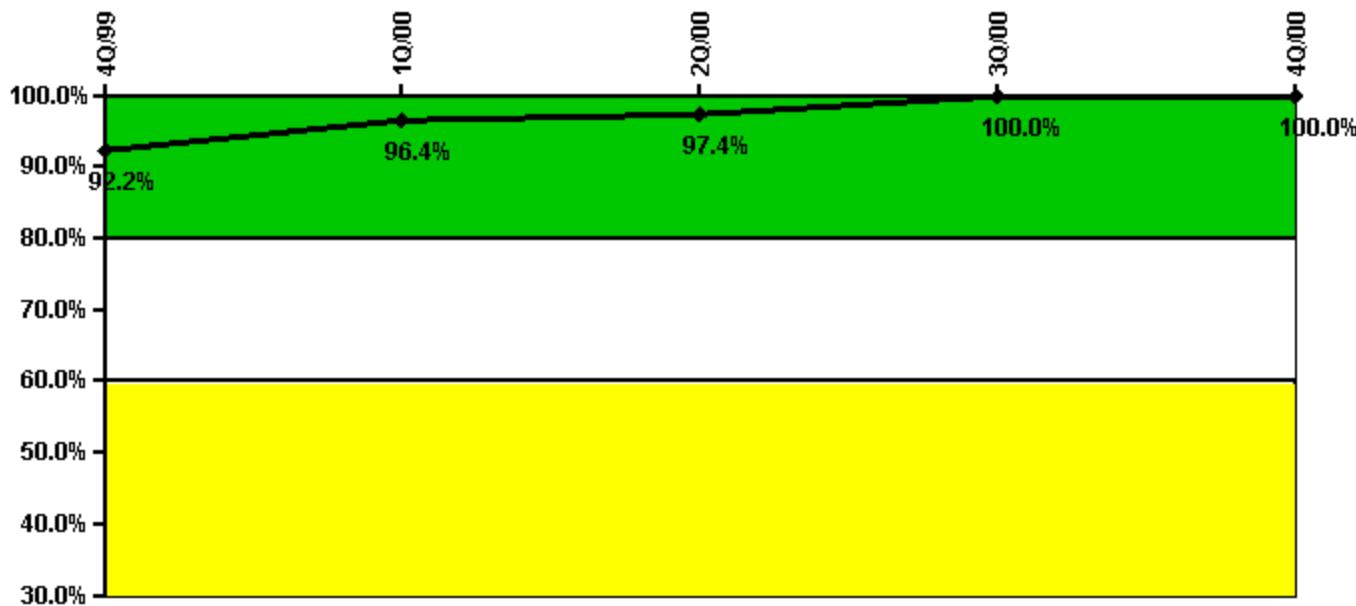
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful opportunities	20.0	38.0	16.0	13.0	0
Total opportunities	20.0	38.0	18.0	14.0	0
Indicator value	98.3%	98.9%	97.1%	96.6%	97.3%

Licensee Comments: none

ERO Drill Participation



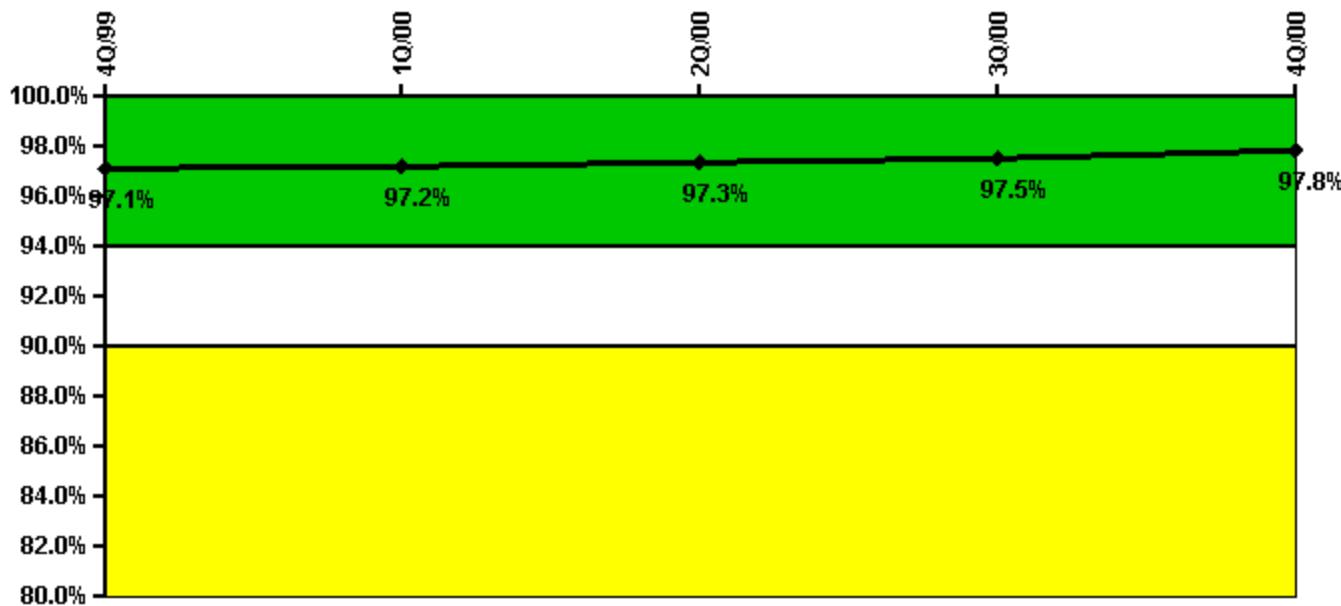
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Participating Key personnel	106.0	107.0	74.0	77.0	74.0
Total Key personnel	115.0	111.0	76.0	77.0	74.0
Indicator value	92.2%	96.4%	97.4%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System

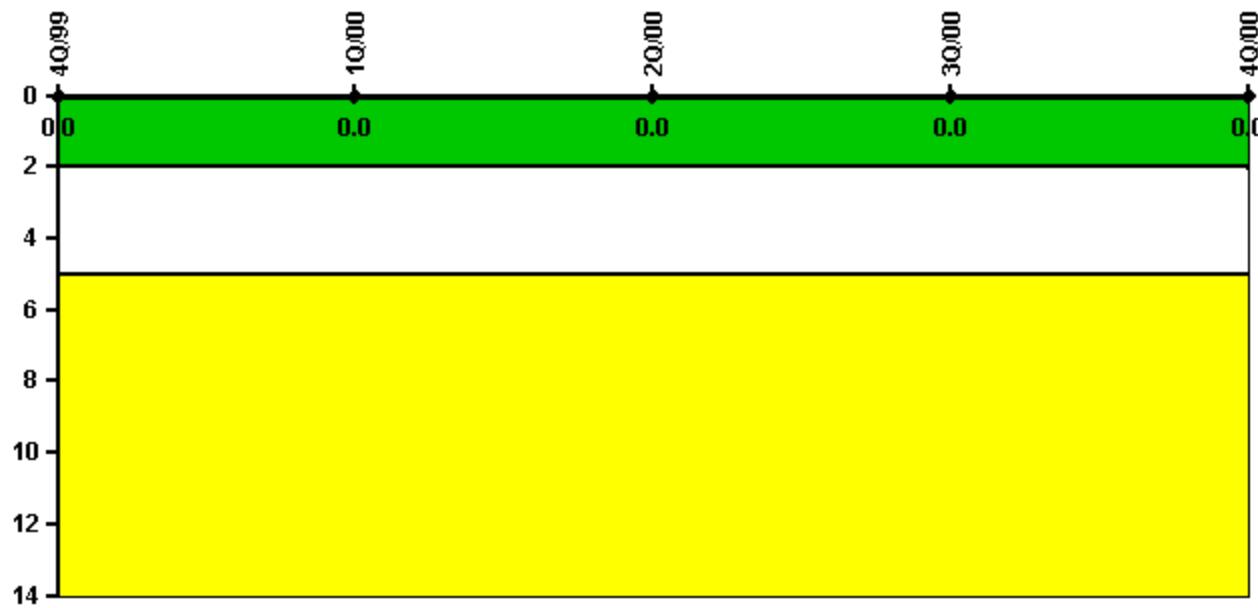


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful siren-tests	1653	1662	1656	1749	1571
Total sirens-tests	1696	1696	1696	1802	1590
Indicator value	97.1%	97.2%	97.3%	97.5%	97.8%

Licensee Comments: none

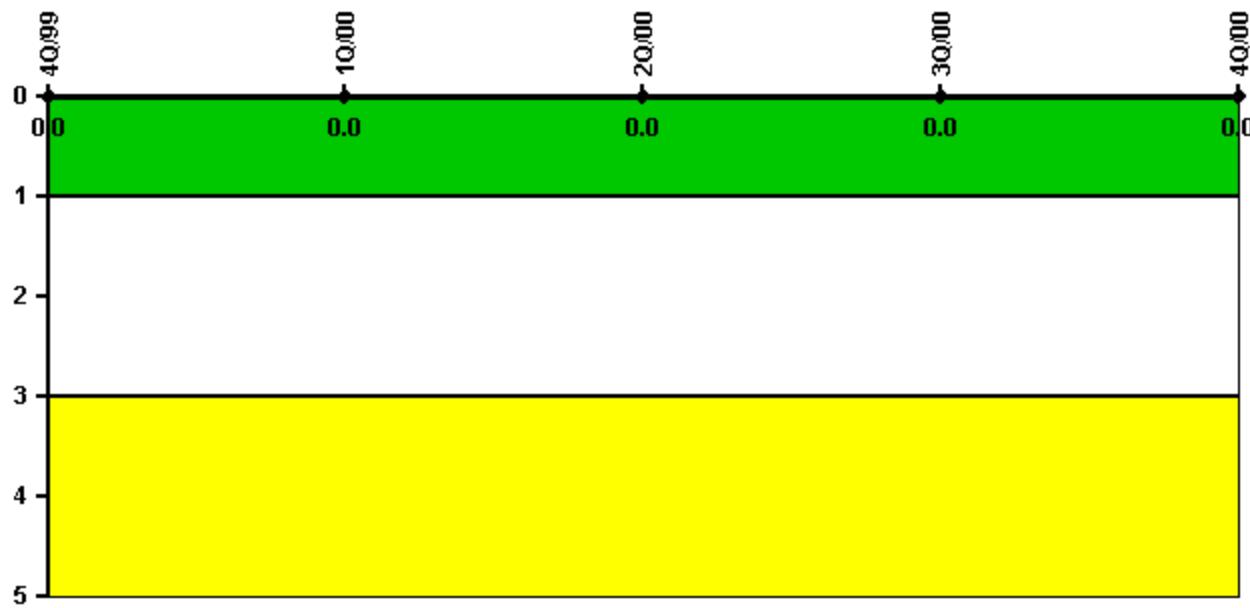
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

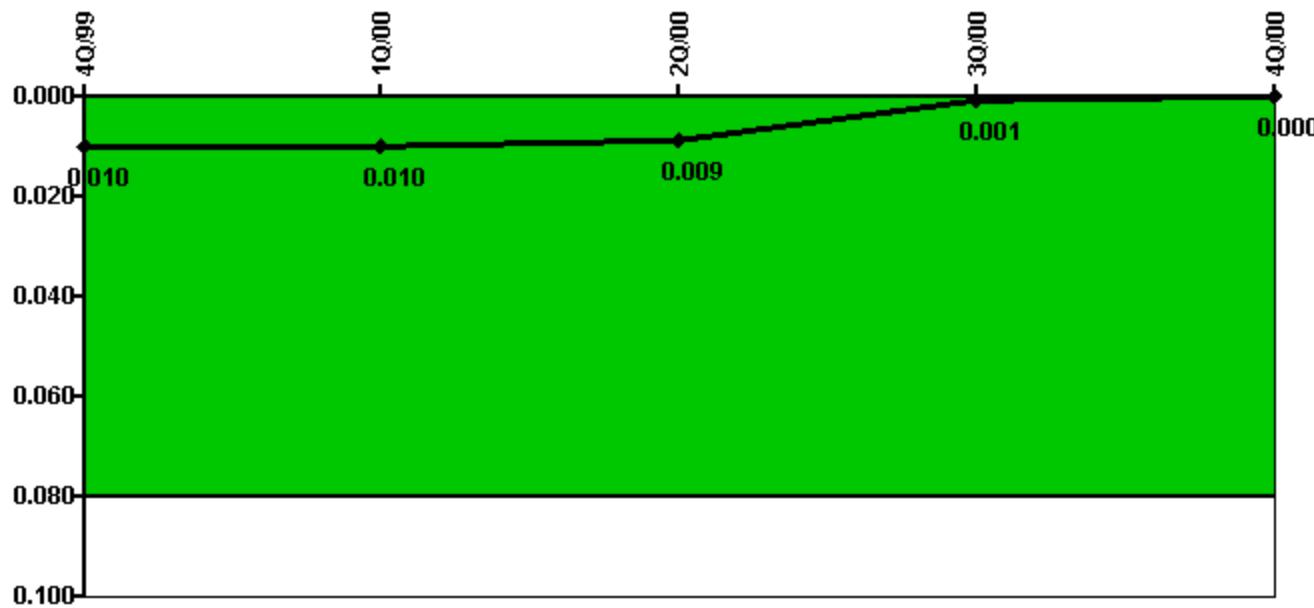
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
IDS compensatory hours	17.50	0.90	0	0	0
CCTV compensatory hours	0	0	0	0	1.1
IDS normalization factor	1.15	1.15	1.15	1.15	1.15
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	0.010	0.010	0.009	0.001	0

Licensee Comments:

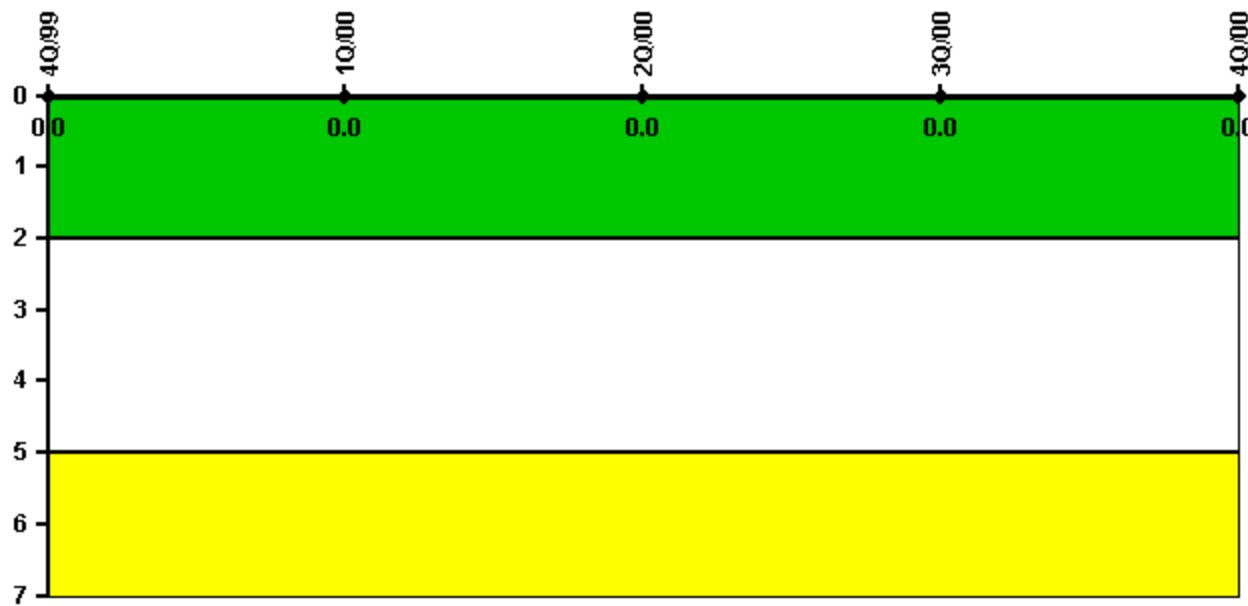
4Q/00: It was determined that the compensatory hours for the intrusion detection system (IDS) for the Access Portal doors had been reported. However, these doors were not included in the number of IDS zones used in the normalization factor and any compensatory hours should not have been reported for the Access Portal doors.

3Q/00: It was determined that the compensatory hours for the intrusion detection system (IDS) for the Access Portal doors had been reported. However, these doors were not included in the number of IDS zones used in the normalization factor and any compensatory hours should not have been reported for the Access Portal doors.

2Q/00: It was determined that compensatory hours for the intrusion detection system (IDS) for the Access Portal doors had been reported. However, these doors were not included in the number of IDS zones used in the normalization factor and any compensatory hours should not have been reported for the Access Portal doors.

1Q/00: It was determined that compensatory hours for the intrusion detection system (IDS) for the Access Portal doors had been previously reported. However, these doors were not included in the IDS zones used in the normalization factor and any compensatory hours should not have been reported for the Access Portal doors.

Personnel Screening Program



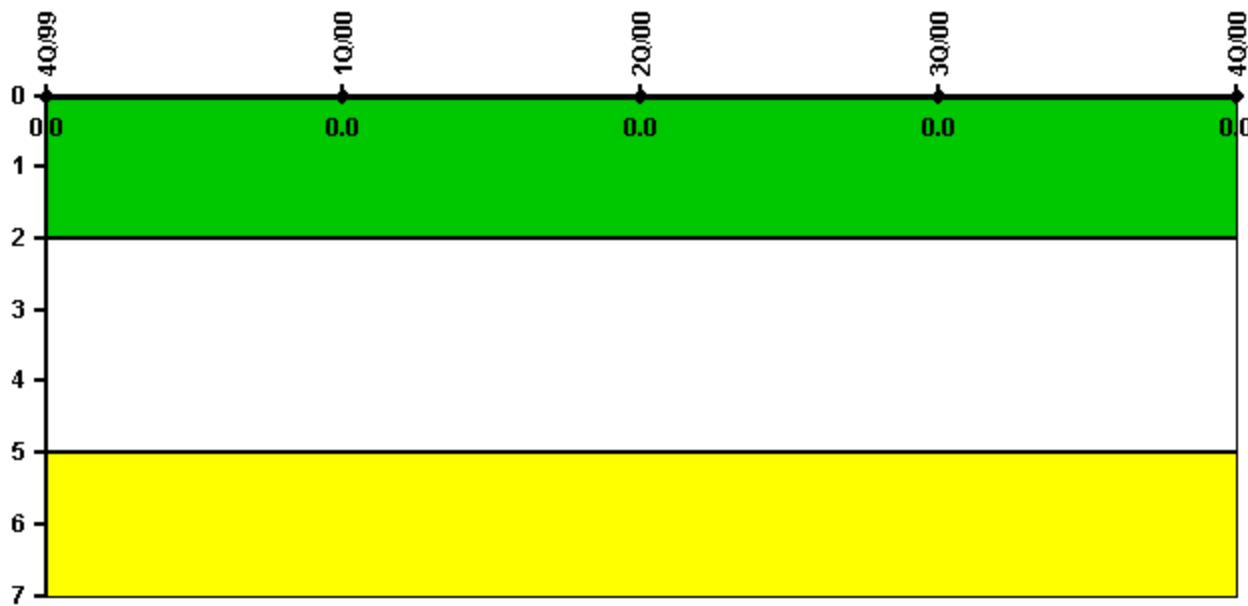
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

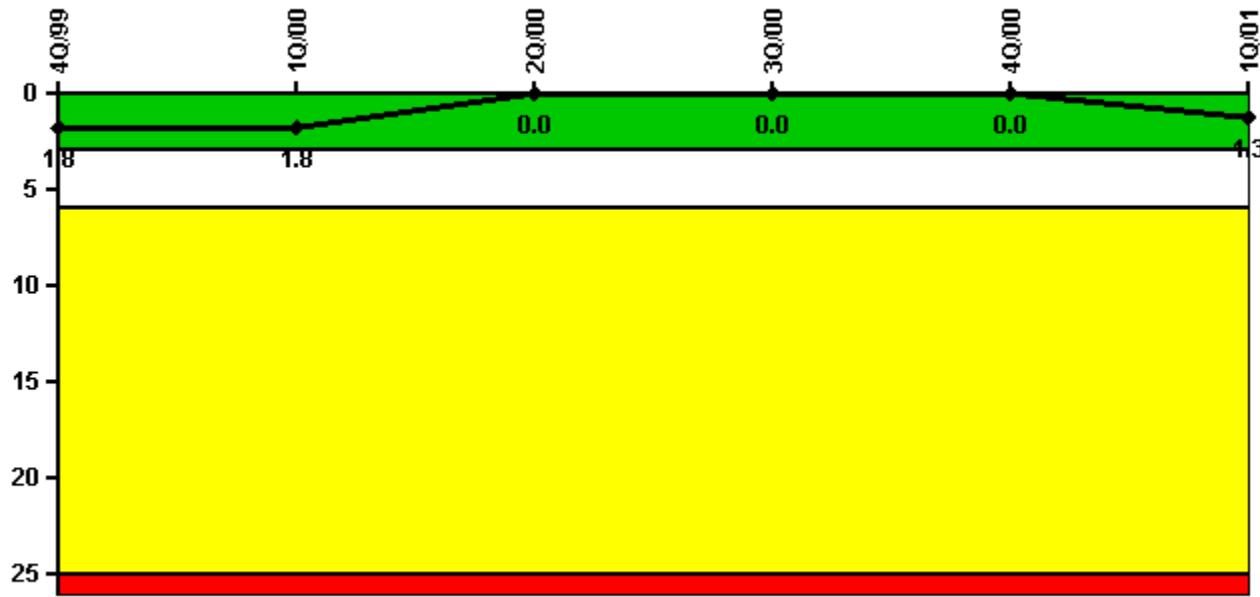


[PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 28, 2002

Summer**1Q/2001 Performance Indicators**

Licensee's General Comments: none

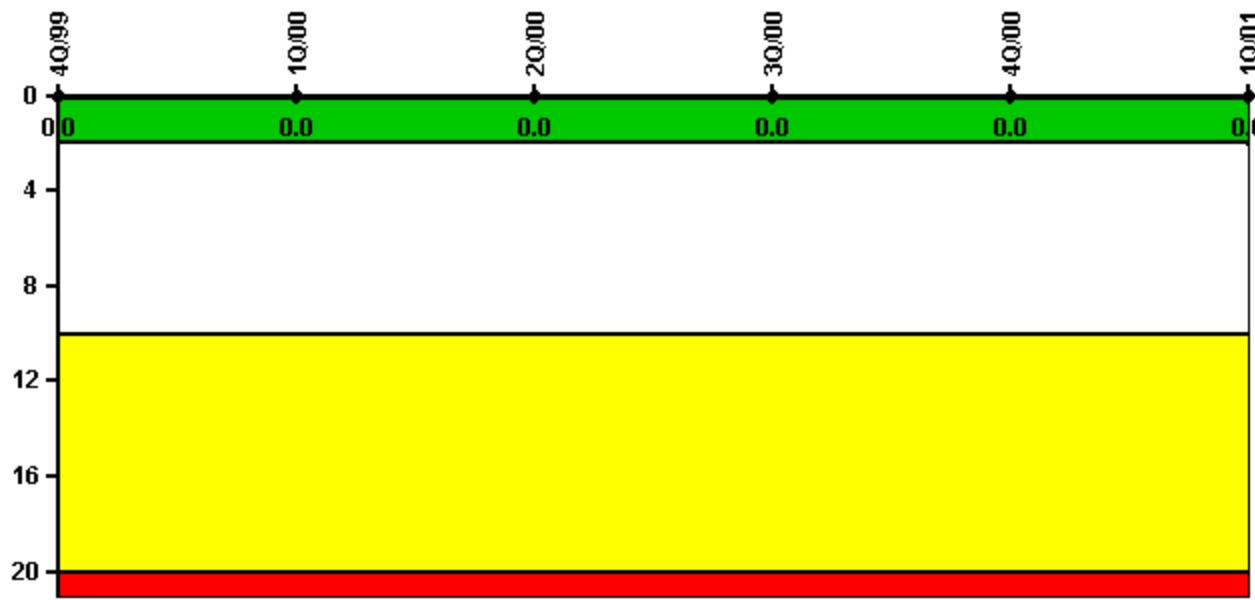
Unplanned Scrams per 7000 Critical Hrs

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	1.0
Critical hours	2209.0	2184.0	2183.0	2208.0	149.9	737.9
Indicator value	1.8	1.8	0	0	0	1.3

Licensee Comments: none

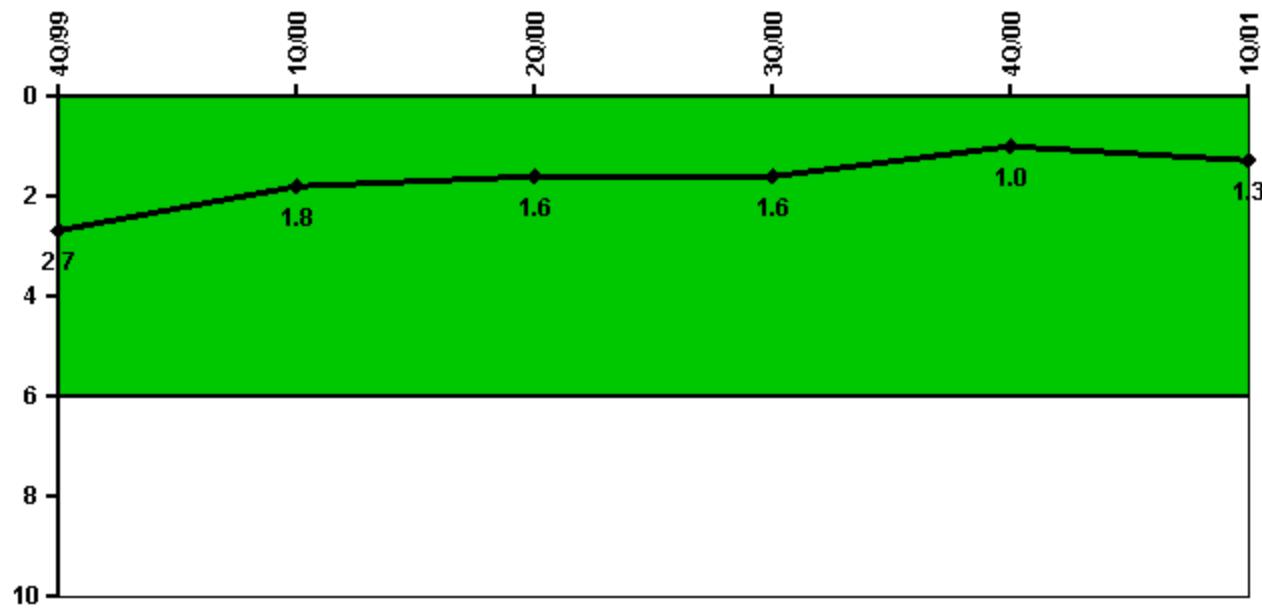
Scrams with Loss of Normal Heat Removal

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

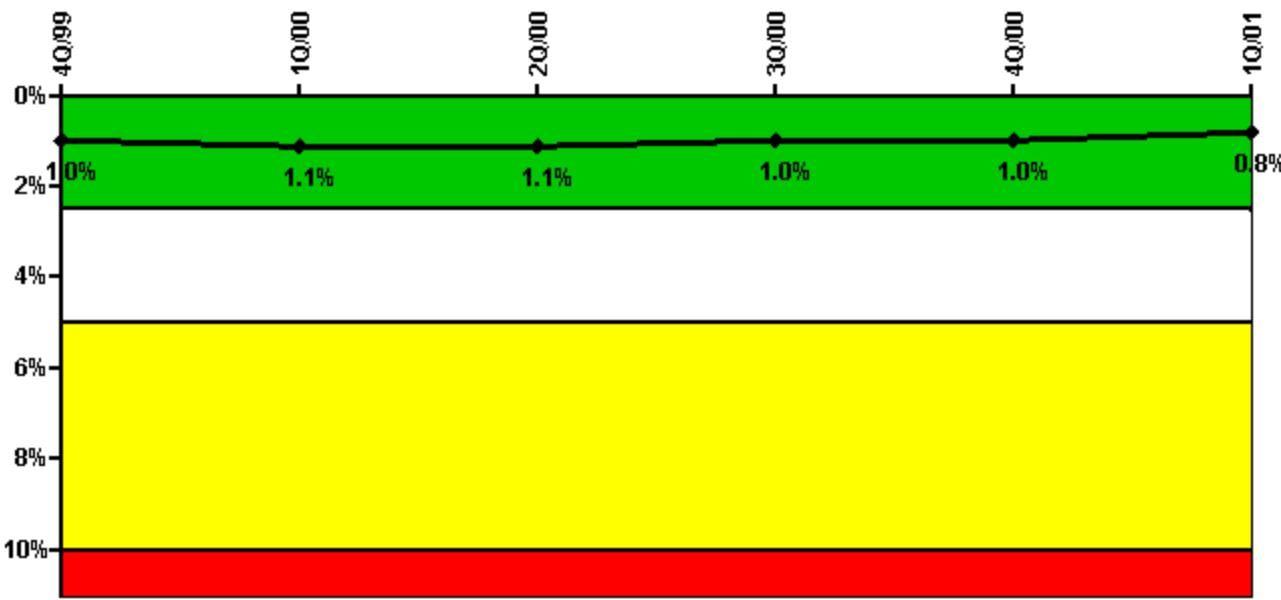
Thresholds: White > 6.0

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	1.0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	149.9	737.9
Indicator value	2.7	1.8	1.6	1.6	1.0	1.3

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



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

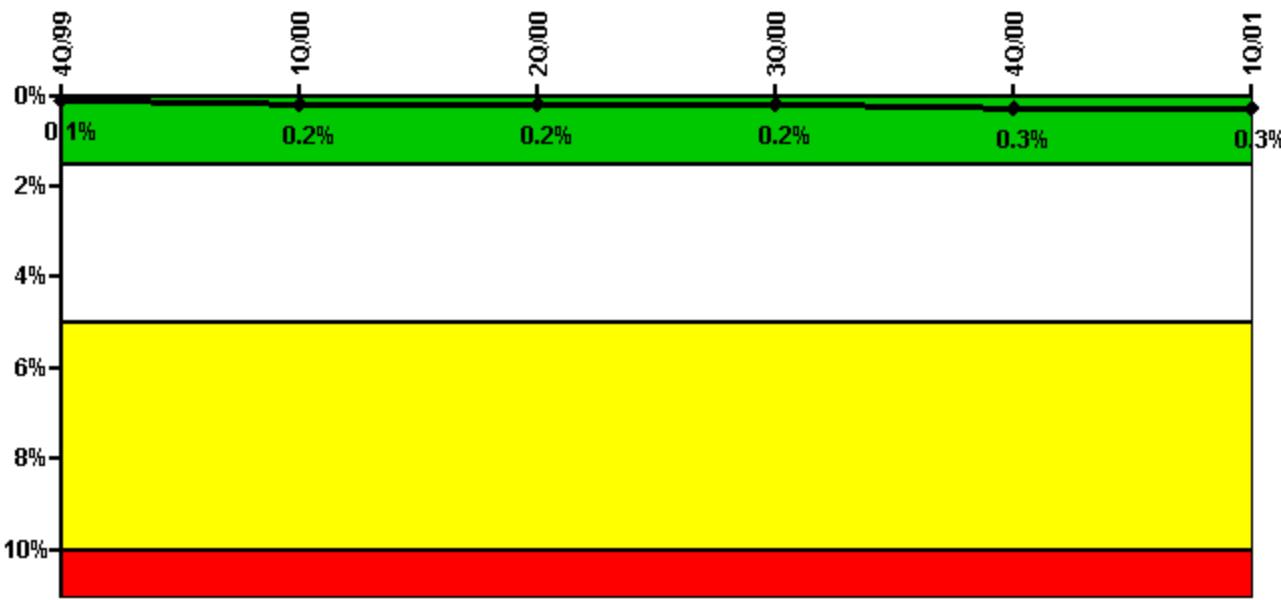
Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	0.60	52.30	11.50	11.70	0	8.20
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	172.70	1168.40
Train 2						
Planned unavailable hours	12.00	13.60	25.90	16.00	0	18.70
Unplanned unavailable hours	0	0	12.30	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	406.20	894.80
Indicator value	1.0%	1.1%	1.1%	1.0%	1.0%	0.8%

Licensee Comments:

4Q/00: Data revised to report the actual number of hours that the system was required. VCSNS was shutdown for an extended refueling outage.

Safety System Unavailability, High Pressure Injection System (HPSI)



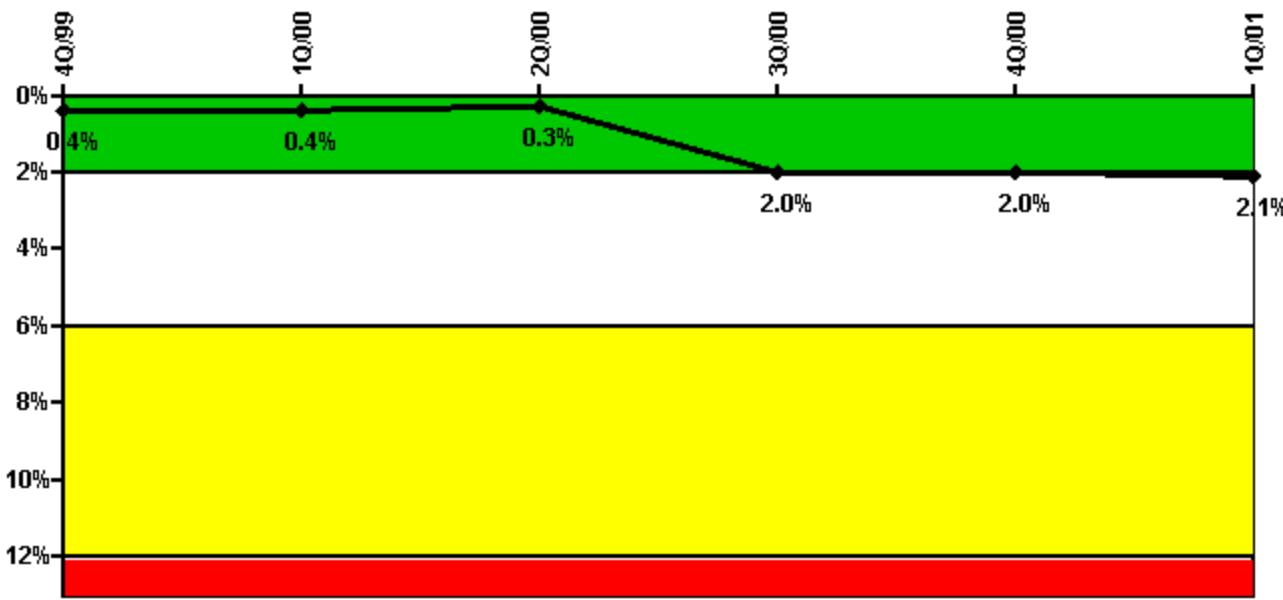
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	3.50	14.20	3.25	3.50	0	0
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	149.90	737.90
Train 2						
Planned unavailable hours	3.25	15.55	3.25	3.25	0	0
Unplanned unavailable hours	0	0	21.30	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	149.90	737.90
Indicator value	0.1%	0.2%	0.2%	0.2%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



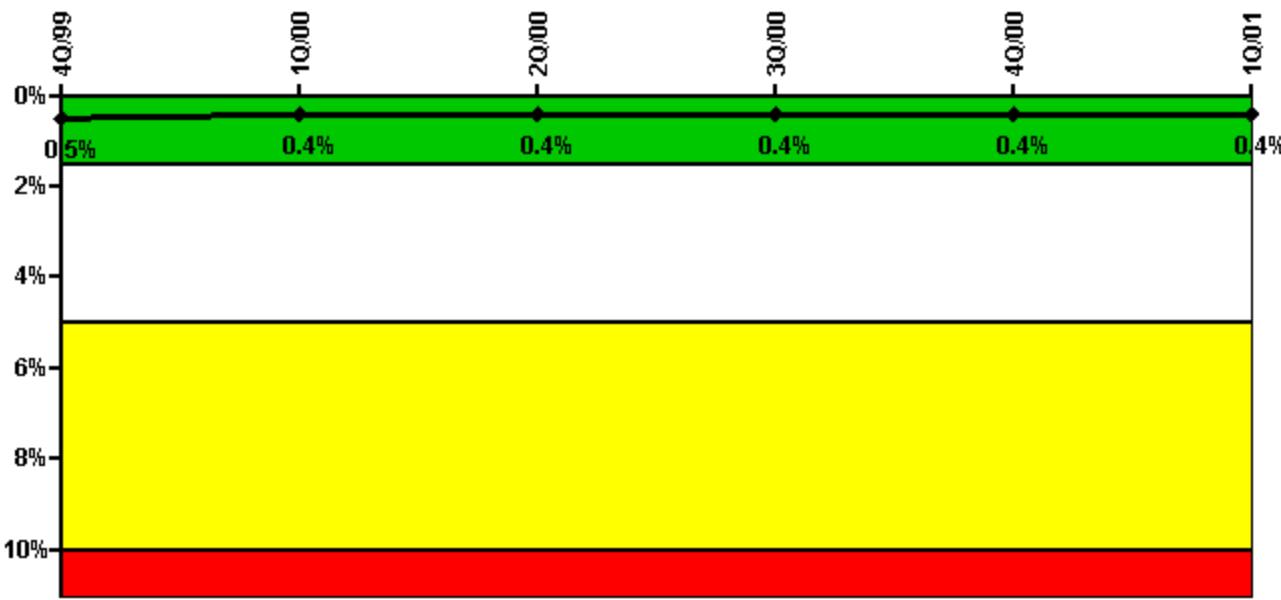
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)		4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1							
Planned unavailable hours		8.50	0	2.00	30.80	0	0
Unplanned unavailable hours		0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	149.90	737.90
Train 2							
Planned unavailable hours		13.30	0	15.80	6.00	0	0
Unplanned unavailable hours		0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	149.90	737.90
Train 3							
Planned unavailable hours		10.60	0	7.50	0	0	0
Unplanned unavailable hours		0	0	0	0	0	0
Fault exposure hours		0	0	0	1157.00	0	0
Effective Reset hours		0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	149.90	737.90
Indicator value		0.4%	0.4%	0.3%	2.0%	2.0%	2.1%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

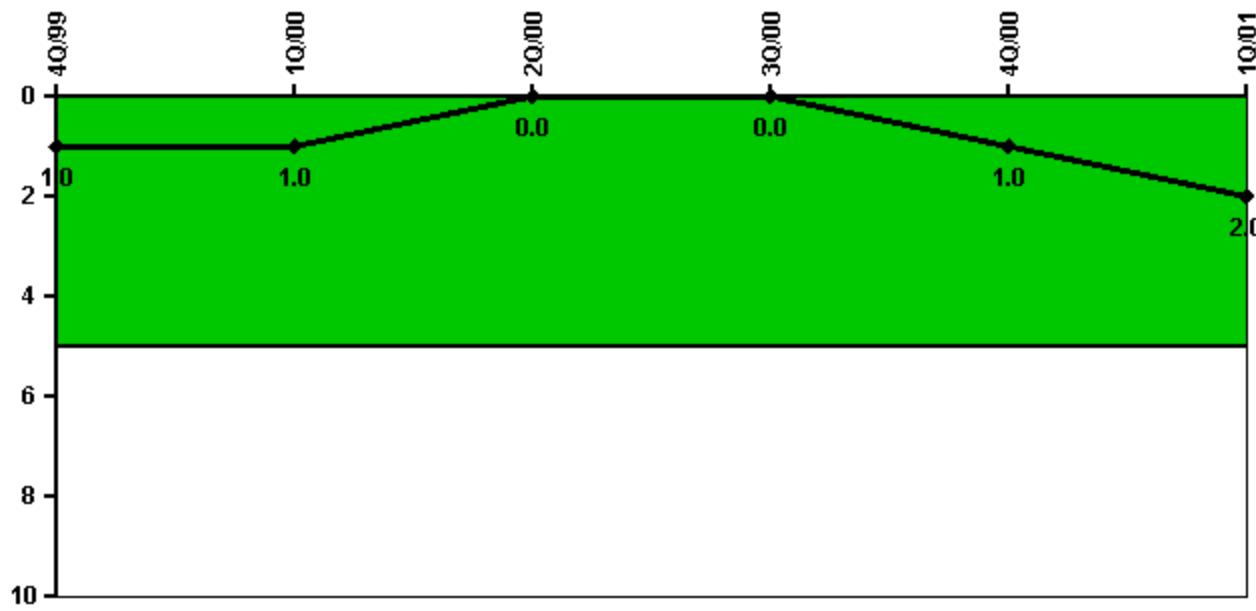
Notes

Safety System Unavailability, Residual Heat Removal System		4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1							
Planned unavailable hours		23.95	0.25	0.25	9.30	0	0
Unplanned unavailable hours		0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	356.30	1168.40
Train 2							
Planned unavailable hours		7.05	12.55	0.25	12.00	0	0.25
Unplanned unavailable hours		0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	406.20	1168.40
Indicator value		0.5%	0.4%	0.4%	0.4%	0.4%	0.4%

Licensee Comments:

4Q/00: Data revised to report the actual number of hours that the system was required. VCSNS was shutdown for an extended refueling outage.

Safety System Functional Failures (PWR)



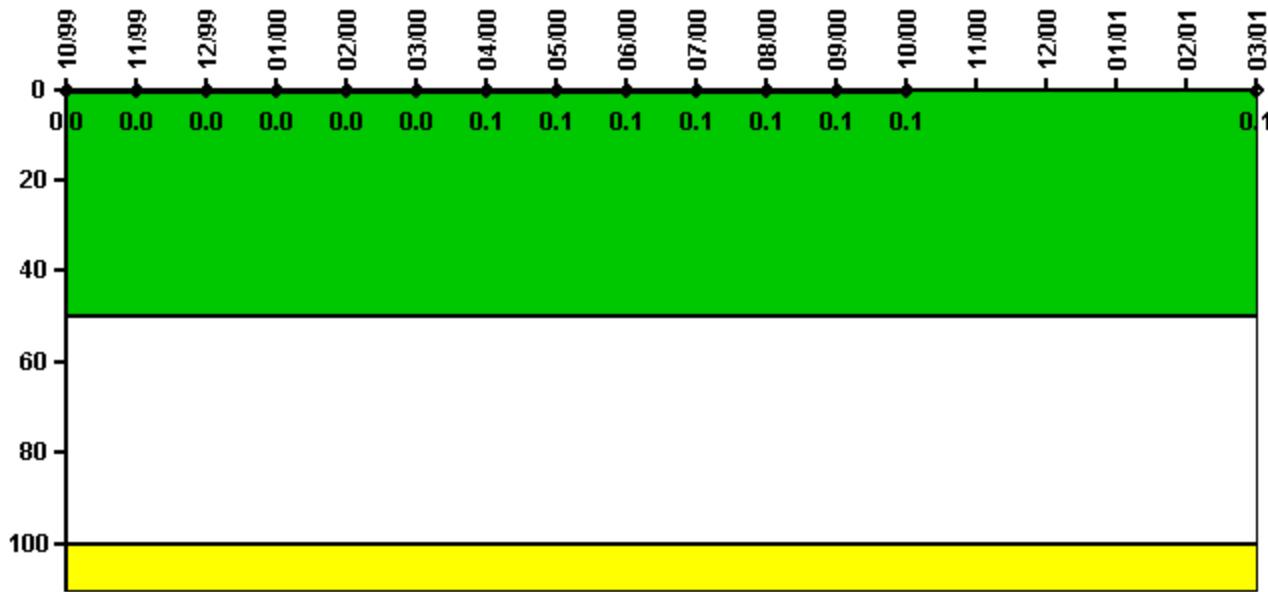
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

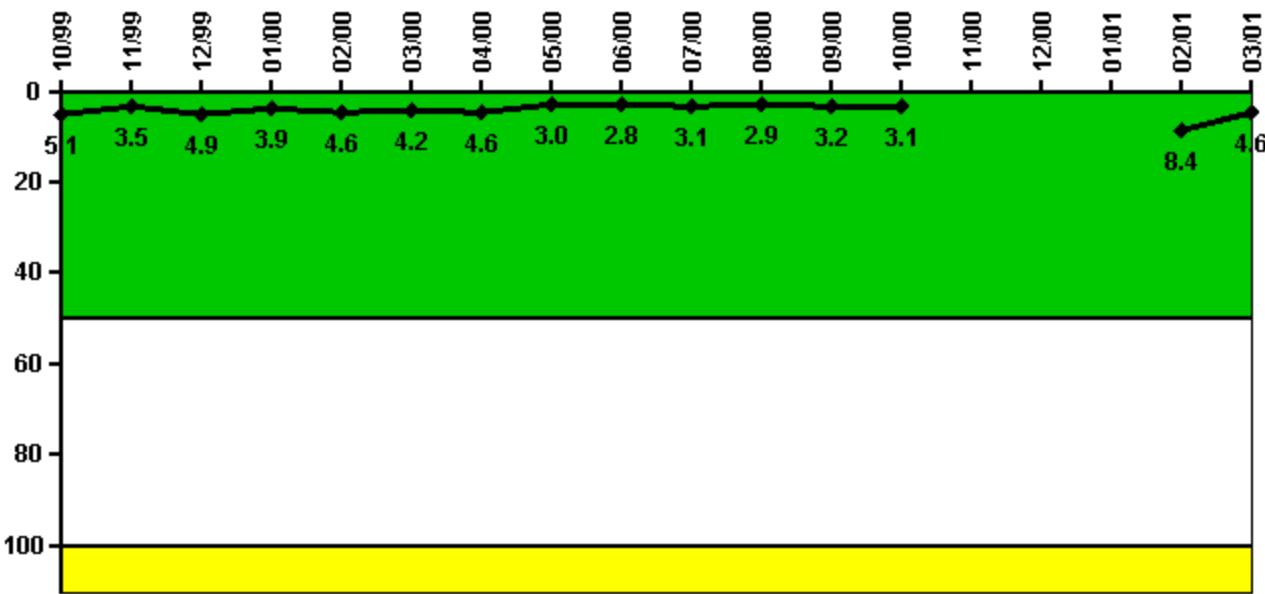
Notes

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	0.000327	0.000487	0.000359	0.000382	0.000440	0.000409	0.000504	0.000440	0.000453	0.000538	0.000467	0.000444
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01						
Maximum activity	0.000411	N/A	N/A	N/A	N/A	0.000245						
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4						
Indicator value	0.1	N/A	N/A	N/A	N/A	0.1						

Licensee Comments:

3/01: Plant was shutdown for refueling outage for the months of January and February.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

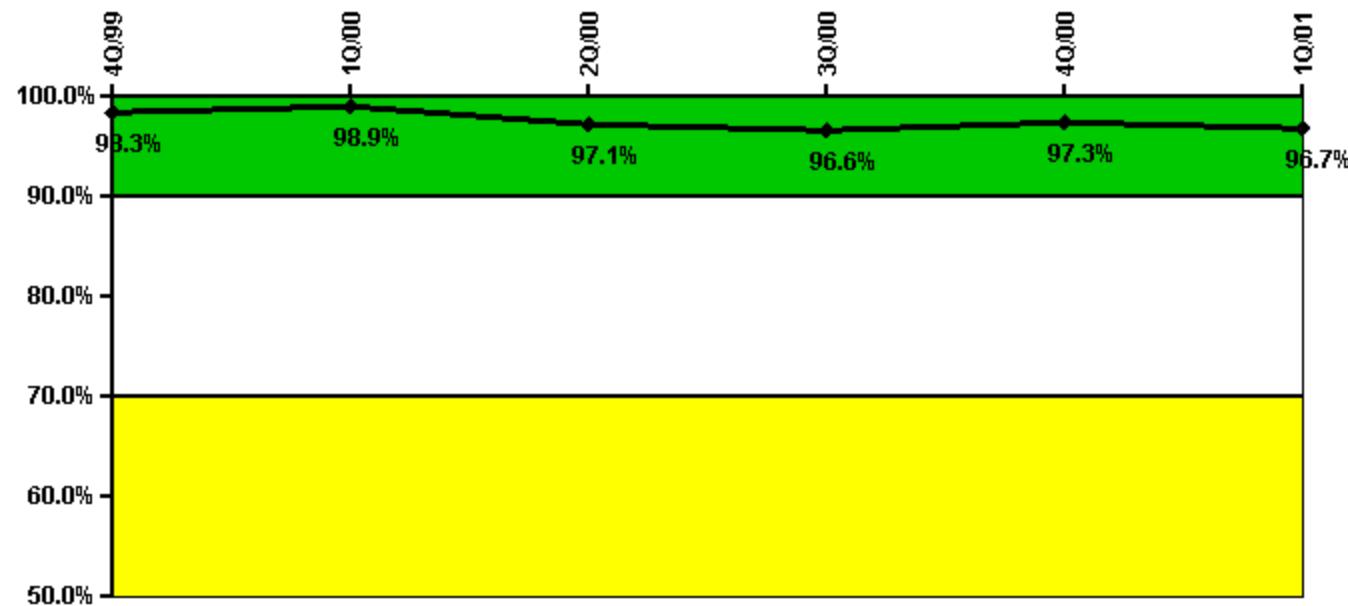
Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.510	0.350	0.490	0.390	0.460	0.420	0.460	0.300	0.280	0.310	0.290	0.320
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	5.1	3.5	4.9	3.9	4.6	4.2	4.6	3.0	2.8	3.1	2.9	3.2

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0.310	N/A	N/A	N/A	0.840	0.460
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	3.1	N/A	N/A	N/A	8.4	4.6

Licensee Comments:

3/01: Plant was shutdown for refueling during the month of January.

Drill/Exercise Performance



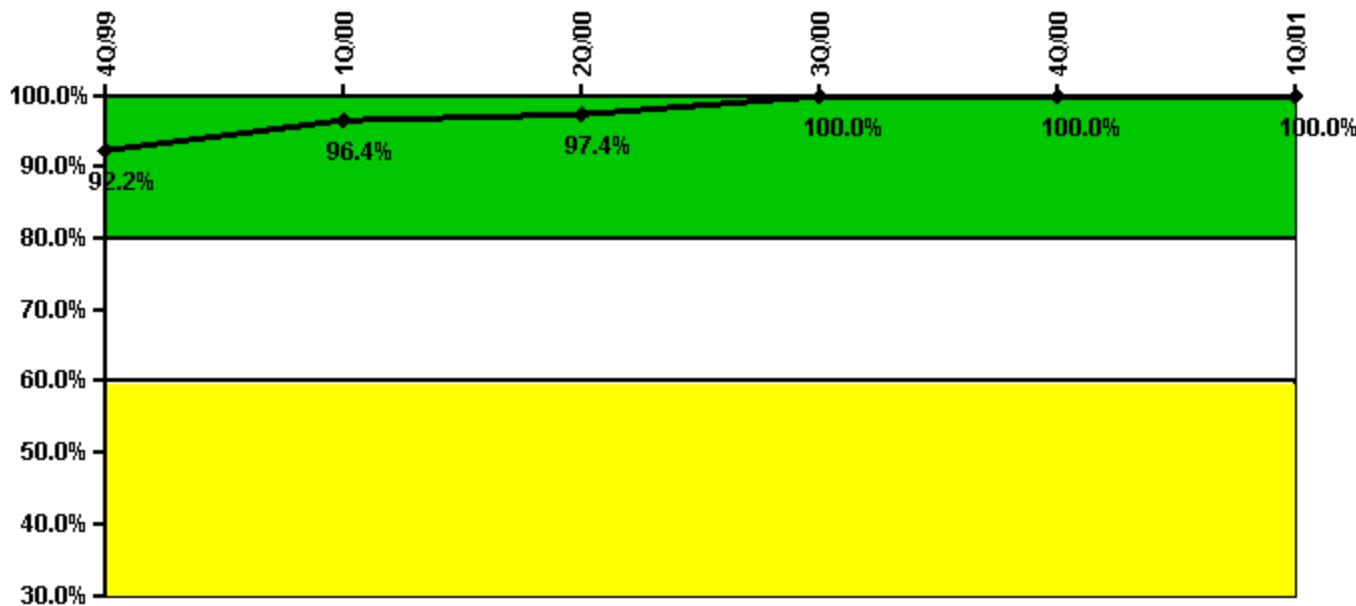
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful opportunities	20.0	38.0	16.0	13.0	0	10.0
Total opportunities	20.0	38.0	18.0	14.0	0	11.0
Indicator value	98.3%	98.9%	97.1%	96.6%	97.3%	96.7%

Licensee Comments:

1Q/01: During a review of the data it was determined that during a training drill conducted in March 2001, there was a failure to capture a PAR notification. Data has been revised.

ERO Drill Participation

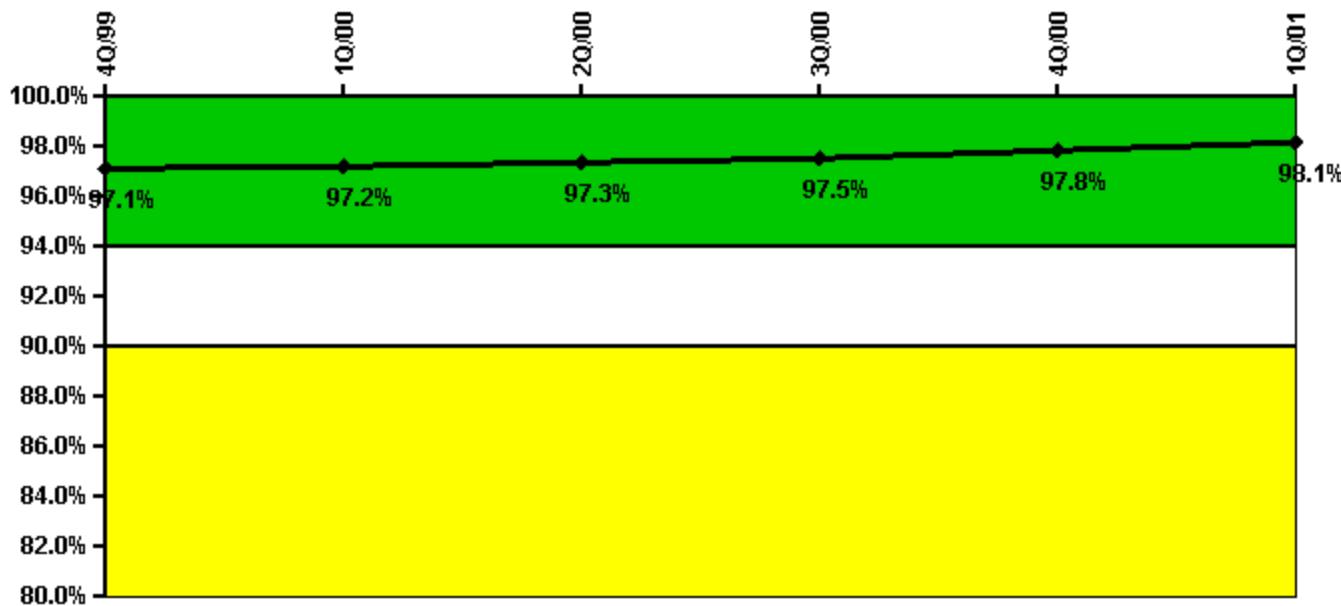
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Participating Key personnel	106.0	107.0	74.0	77.0	74.0	70.0
Total Key personnel	115.0	111.0	76.0	77.0	74.0	70.0
Indicator value	92.2%	96.4%	97.4%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System

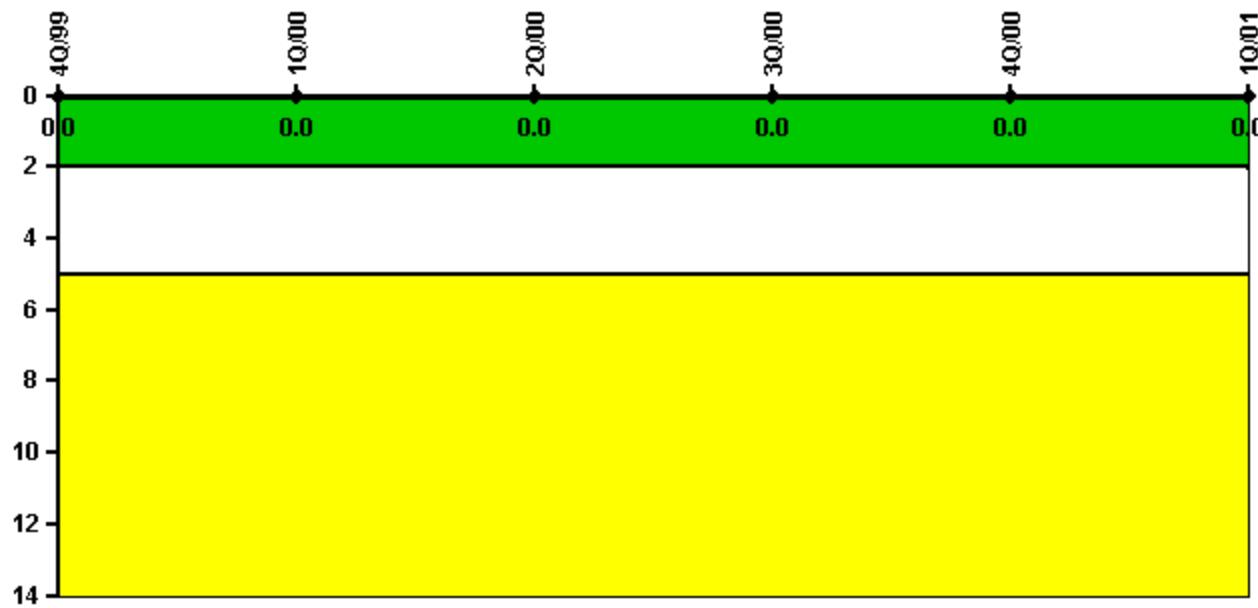


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful siren-tests	1653	1662	1656	1749	1571	1681
Total sirens-tests	1696	1696	1696	1802	1590	1696
Indicator value	97.1%	97.2%	97.3%	97.5%	97.8%	98.1%

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

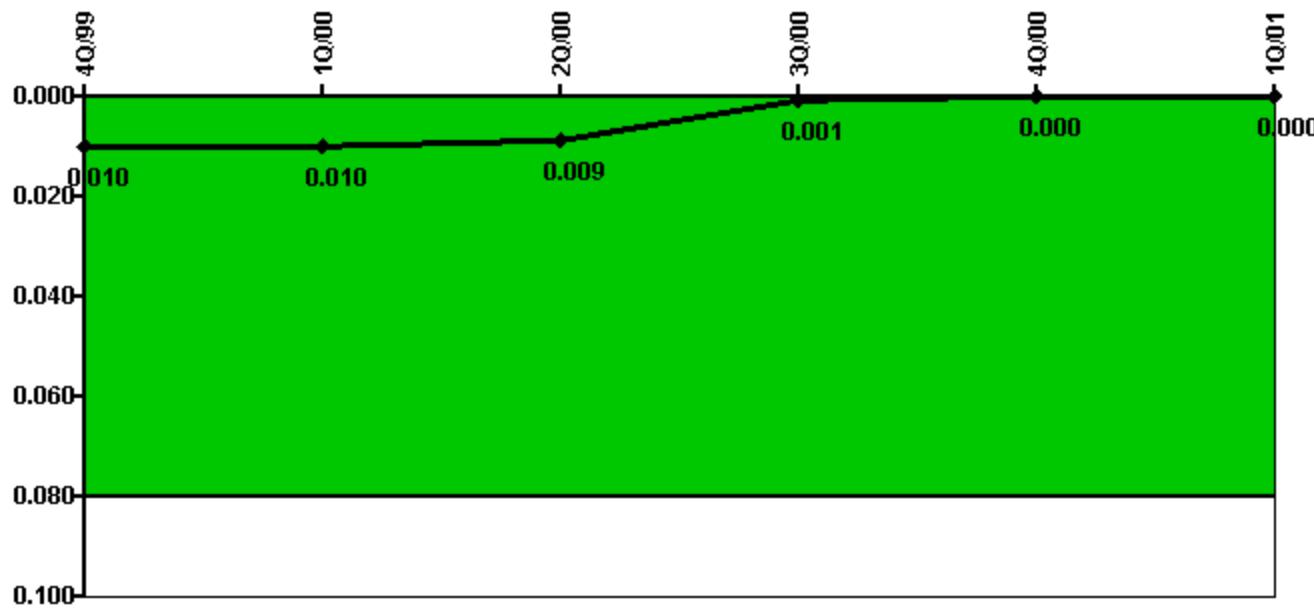
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
IDS compensatory hours	17.50	0.90	0	0	0	0
CCTV compensatory hours	0	0	0	0	1.1	0.4
IDS normalization factor	1.15	1.15	1.15	1.15	1.15	1.15
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.010	0.010	0.009	0.001	0	0

Licensee Comments:

4Q/00: It was determined that the compensatory hours for the intrusion detection system (IDS) for the Access Portal doors had been reported. However, these doors were not included in the number of IDS zones used in the normalization factor and any compensatory hours should not have been reported for the Access Portal doors.

3Q/00: It was determined that the compensatory hours for the intrusion detection system (IDS) for the Access Portal doors had been reported. However, these doors were not included in the number of IDS zones used in the normalization factor and any compensatory hours should not have been reported for the Access Portal doors.

2Q/00: It was determined that compensatory hours for the intrusion detection system (IDS) for the Access Portal doors had been reported. However, these doors were not included in the number of IDS zones used in the normalization factor and any compensatory hours should not have been reported for the Access Portal doors.

1Q/00: It was determined that compensatory hours for the intrusion detection system (IDS) for the Access Portal doors had been previously reported. However, these doors were not included in the IDS zones used in the normalization factor and any compensatory hours should not have been reported for the Access Portal doors.

Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

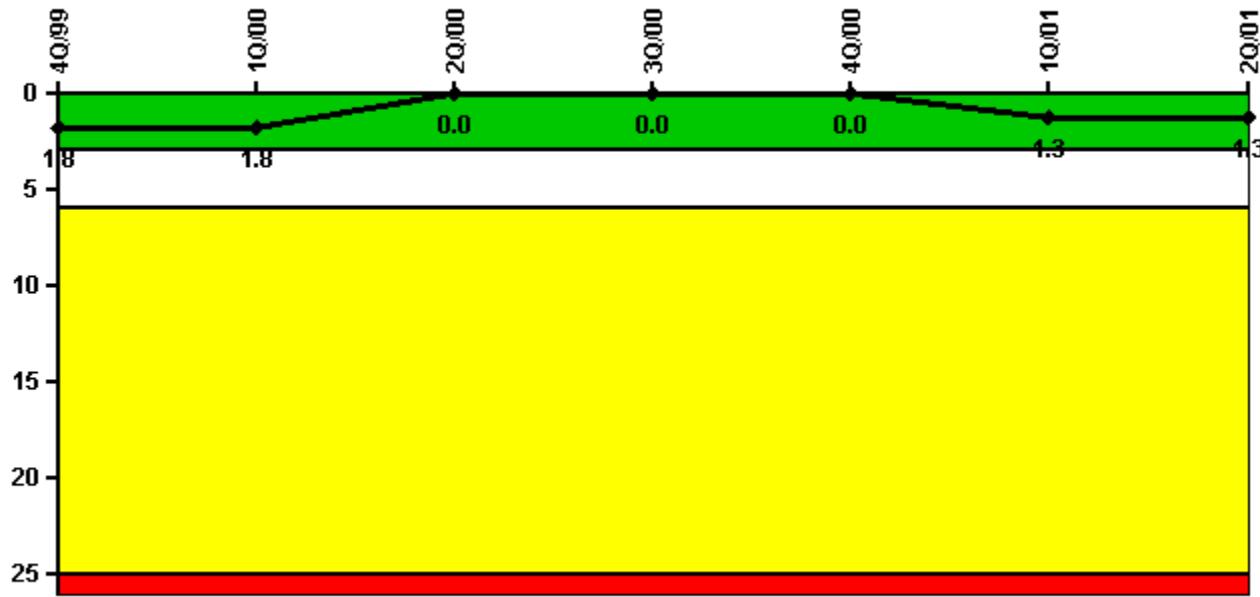


[PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 28, 2002

Summer**2Q/2001 Performance Indicators**

Licensee's General Comments: none

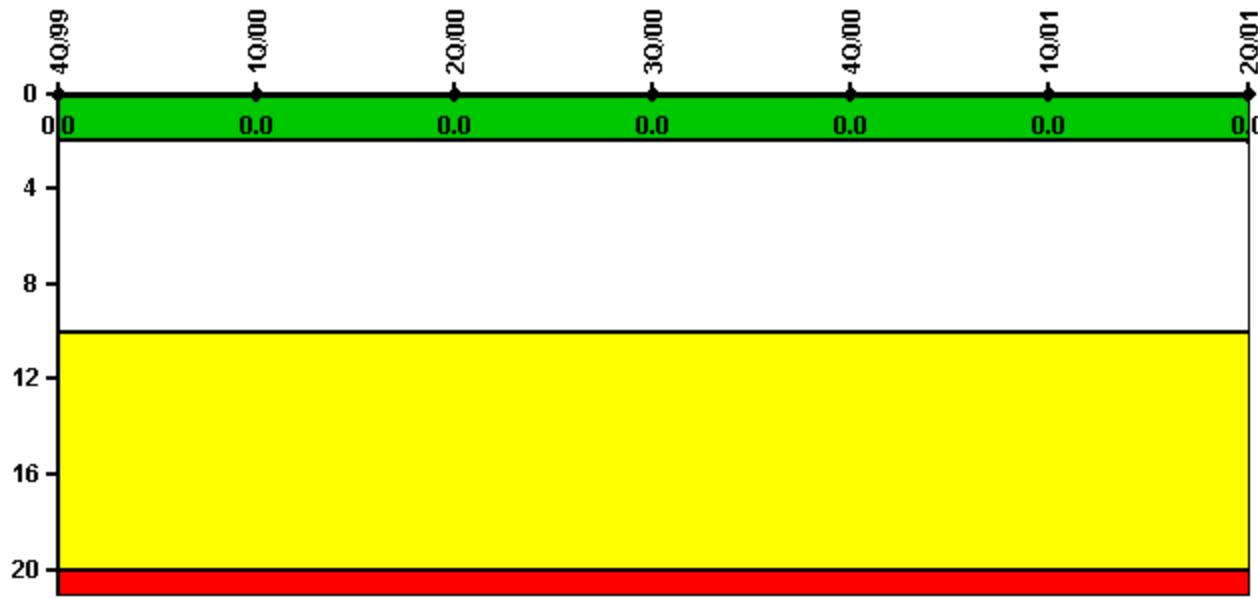
Unplanned Scrams per 7000 Critical Hrs

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	1.0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	149.9	737.9	2183.0
Indicator value	1.8	1.8	0	0	0	1.3	1.3

Licensee Comments: none

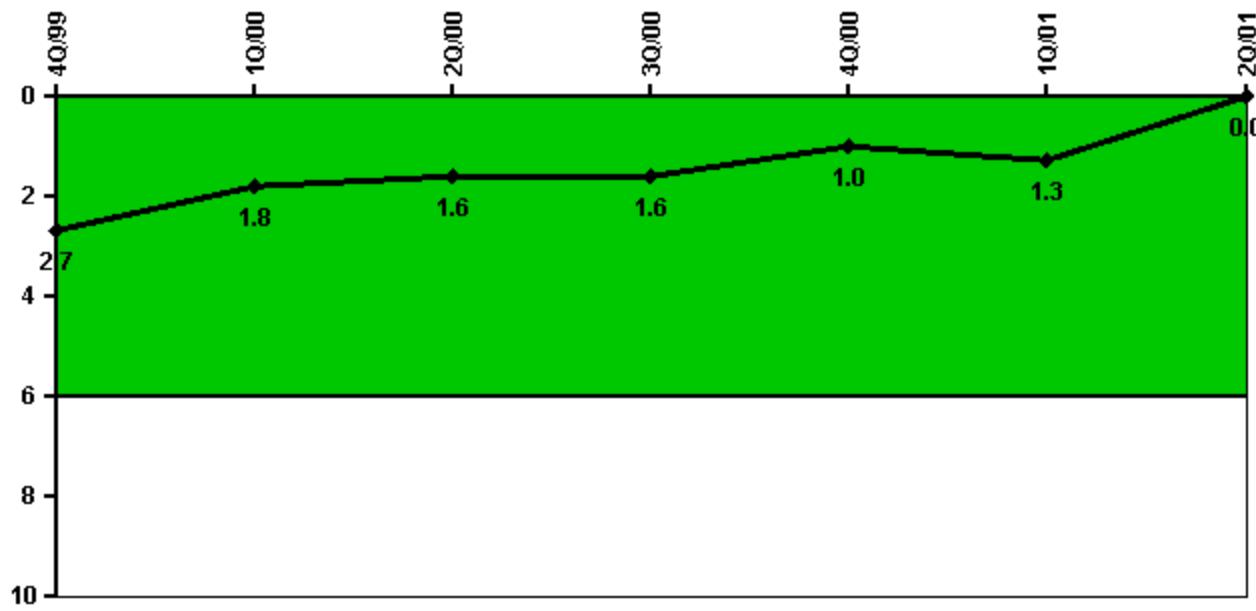
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

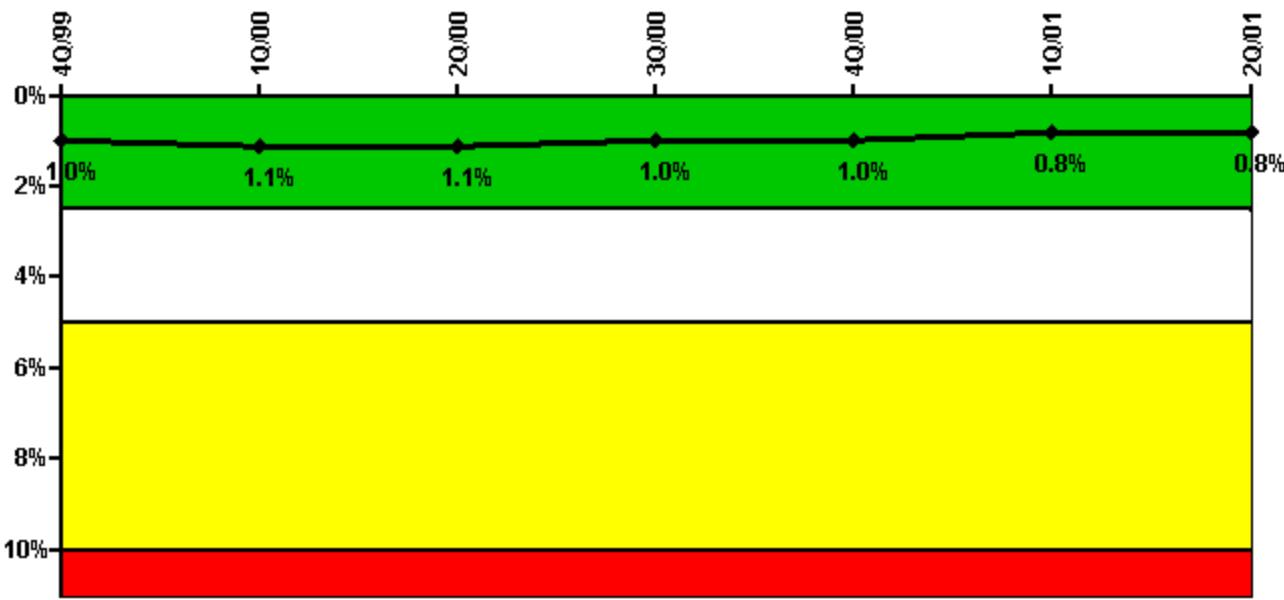
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Unplanned power changes	1.0	0	1.0	0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	149.9	737.9	2183.0
Indicator value	2.7	1.8	1.6	1.6	1.0	1.3	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



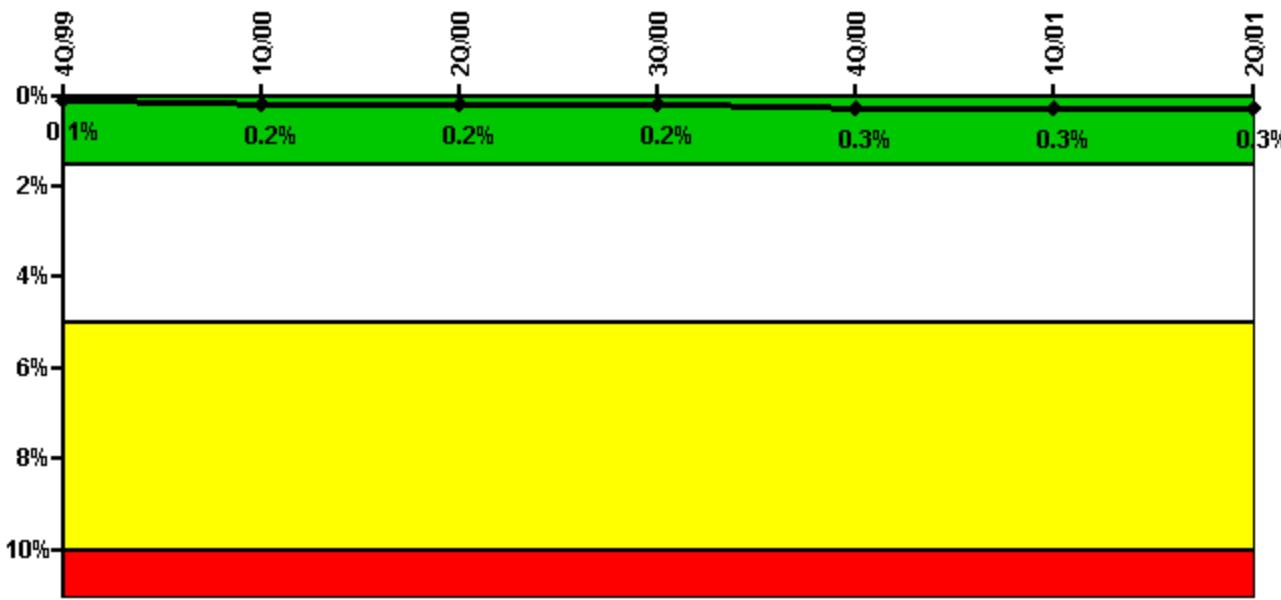
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	0.60	52.30	11.50	11.70	0	8.20	20.90
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	172.70	1168.40	2183.00
Train 2							
Planned unavailable hours	12.00	13.60	25.90	16.00	0	18.70	15.40
Unplanned unavailable hours	0	0	12.30	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	406.20	894.80	2183.00
Indicator value	1.0%	1.1%	1.1%	1.0%	1.0%	0.8%	0.8%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



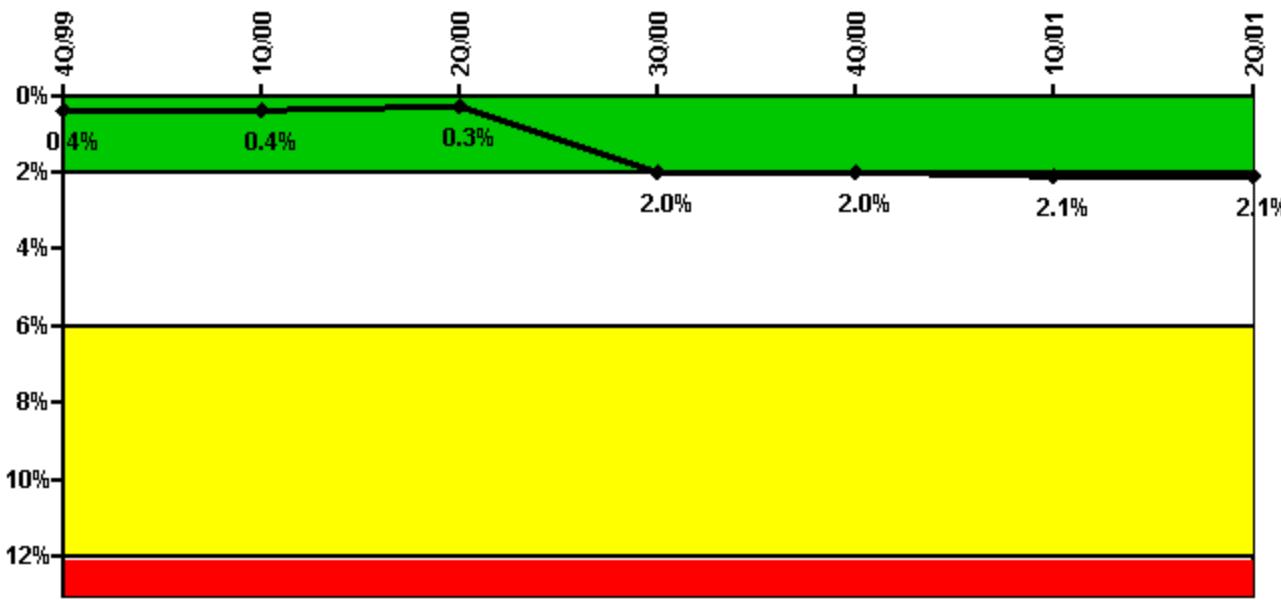
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	3.50	14.20	3.25	3.50	0	0	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	149.90	737.90	2140.50
Train 2							
Planned unavailable hours	3.25	15.55	3.25	3.25	0	0	0.25
Unplanned unavailable hours	0	0	21.30	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	149.90	737.90	2140.50
Indicator value	0.1%	0.2%	0.2%	0.2%	0.3%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



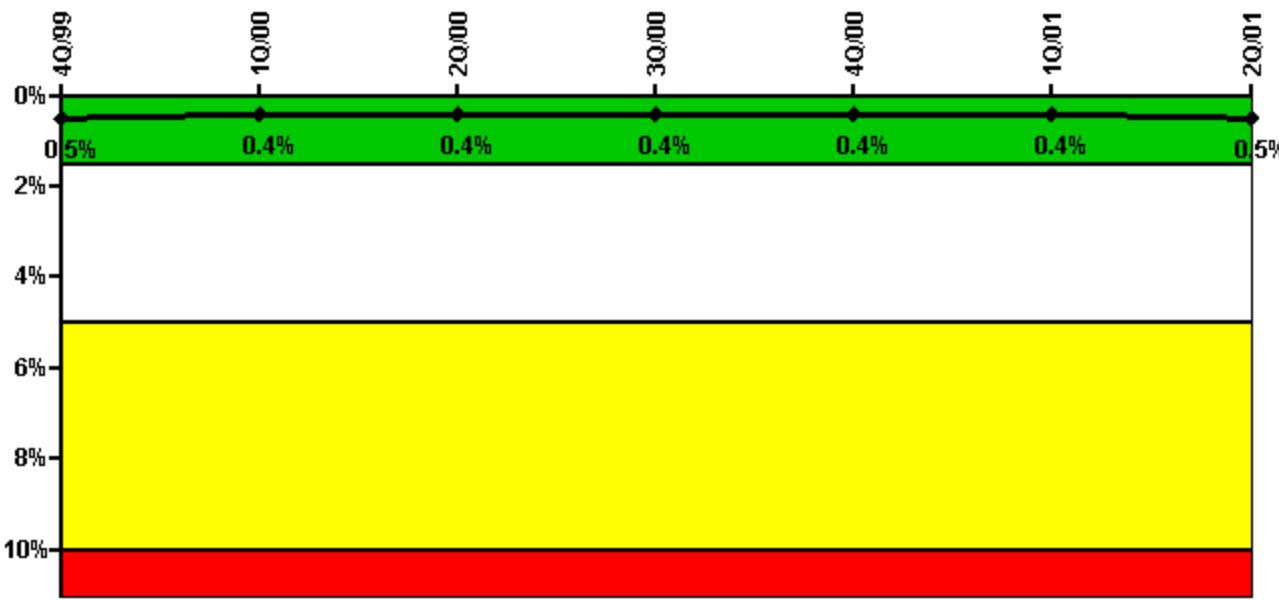
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)		4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1								
Planned unavailable hours		8.50	0	2.00	30.80	0	0	8.20
Unplanned unavailable hours		0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	149.90	737.90	2183.00
Train 2								
Planned unavailable hours		13.30	0	15.80	6.00	0	0	7.80
Unplanned unavailable hours		0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	149.90	737.90	2183.00
Train 3								
Planned unavailable hours		10.60	0	7.50	0	0	0	9.10
Unplanned unavailable hours		0	0	0	0	0	0	0
Fault exposure hours		0	0	0	1157.00	0	0	0
Effective Reset hours		0	0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	149.90	737.90	2183.00
Indicator value		0.4%	0.4%	0.3%	2.0%	2.0%	2.1%	2.1%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



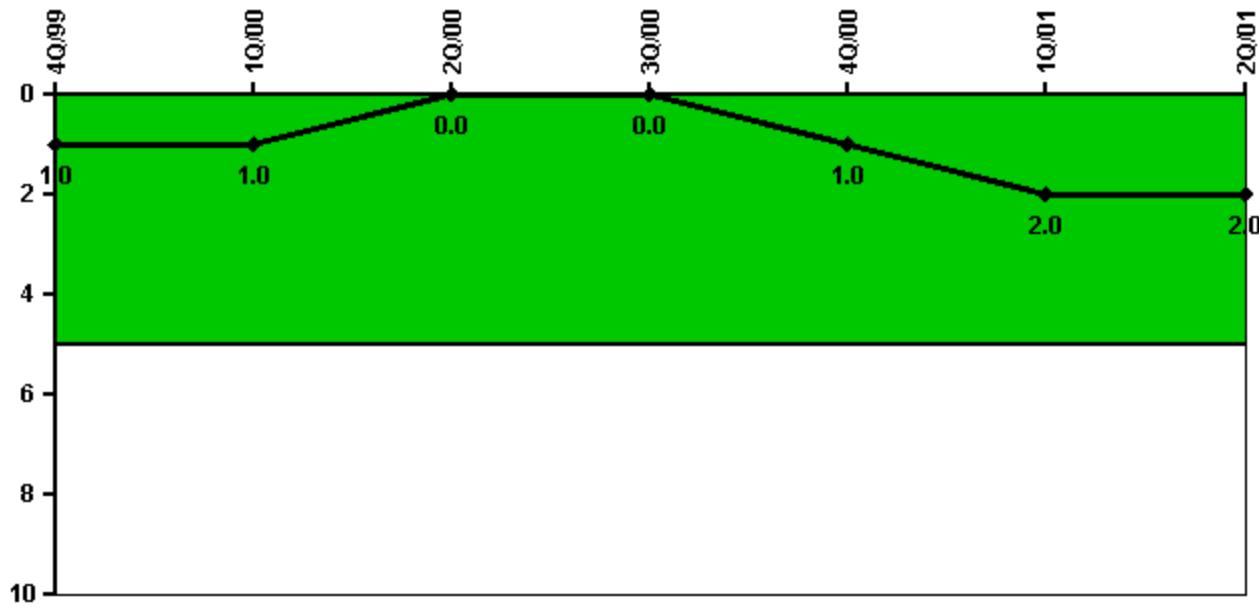
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System		4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1								
Planned unavailable hours		23.95	0.25	0.25	9.30	0	0	13.50
Unplanned unavailable hours		0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	356.30	1168.40	2183.00
Train 2								
Planned unavailable hours		7.05	12.55	0.25	12.00	0	0.25	14.70
Unplanned unavailable hours		0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	406.20	1168.40	2183.00
Indicator value		0.5%	0.4%	0.4%	0.4%	0.4%	0.4%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)



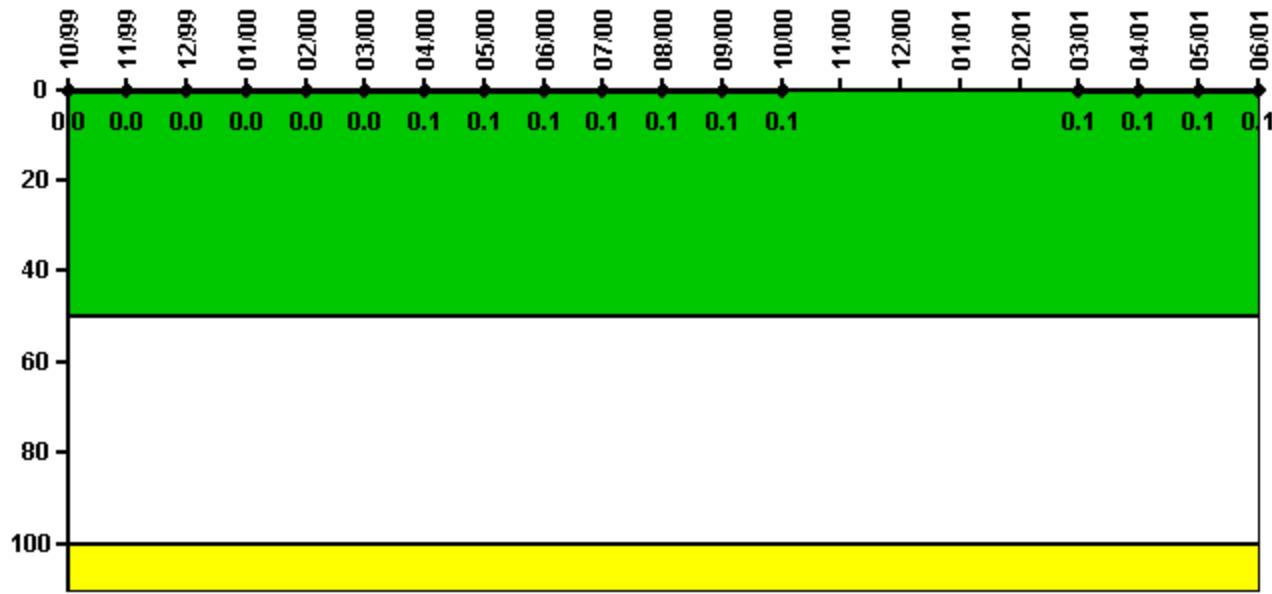
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

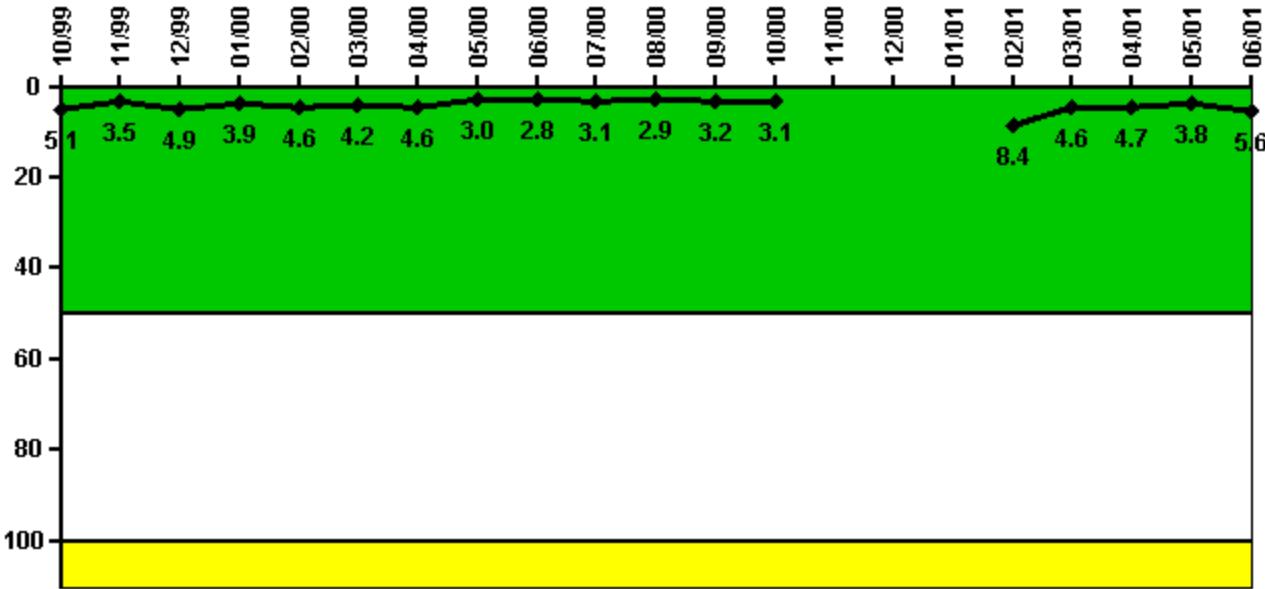
Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000327	0.000487	0.000359	0.000382	0.000440	0.000409	0.000504	0.000440	0.000453	0.000538	0.000467	0.000444
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	0.000411	N/A	N/A	N/A	N/A	0.000245	0.000281	0.000276	0.000275
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	N/A	N/A	N/A	N/A	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

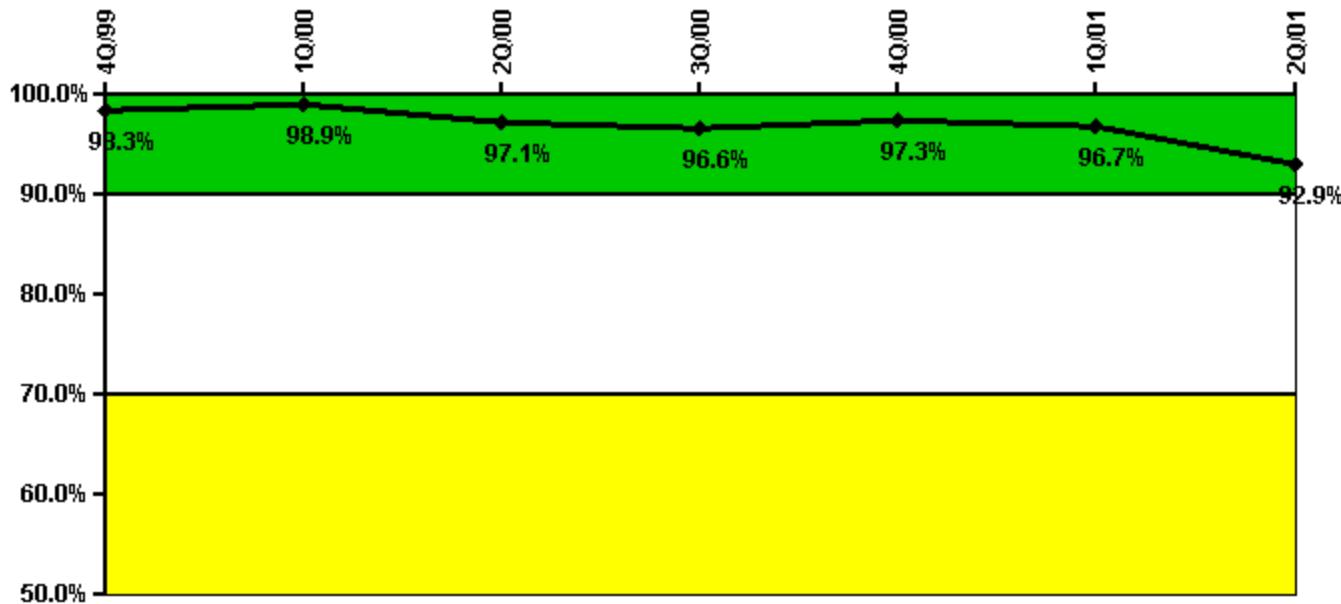
Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.510	0.350	0.490	0.390	0.460	0.420	0.460	0.300	0.280	0.310	0.290	0.320
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	5.1	3.5	4.9	3.9	4.6	4.2	4.6	3.0	2.8	3.1	2.9	3.2

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	0.310	N/A	N/A	N/A	0.840	0.460	0.470	0.380	0.560
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	3.1	N/A	N/A	N/A	8.4	4.6	4.7	3.8	5.6

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

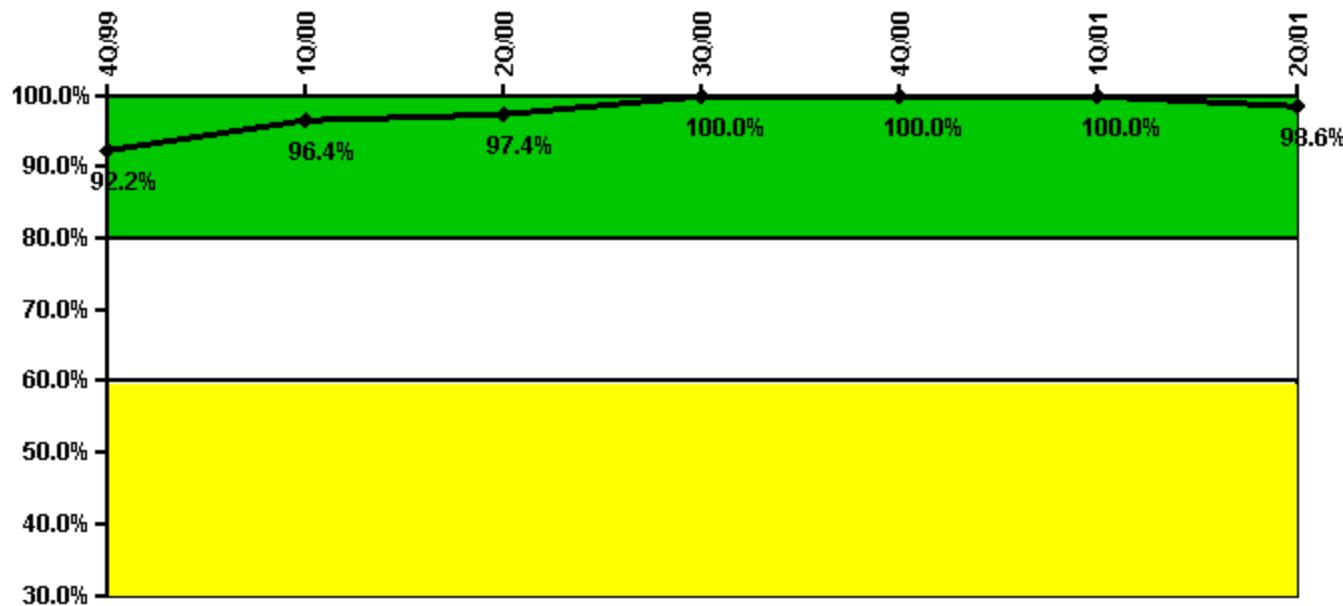
Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful opportunities	20.0	38.0	16.0	13.0	0	10.0	32.0
Total opportunities	20.0	38.0	18.0	14.0	0	11.0	39.0
Indicator value	98.3%	98.9%	97.1%	96.6%	97.3%	96.7%	92.9%

Licensee Comments:

2Q/01: A review of NEI 99-02 Rev 1, revealed that there were events that had previously been counted as PAR changes when the only change was a dose change and should not have been counted as a PAR notification.

1Q/01: During a review of the data it was determined that during a training drill conducted in March 2001, there was a failure to capture a PAR notification. Data has been revised.

ERO Drill Participation



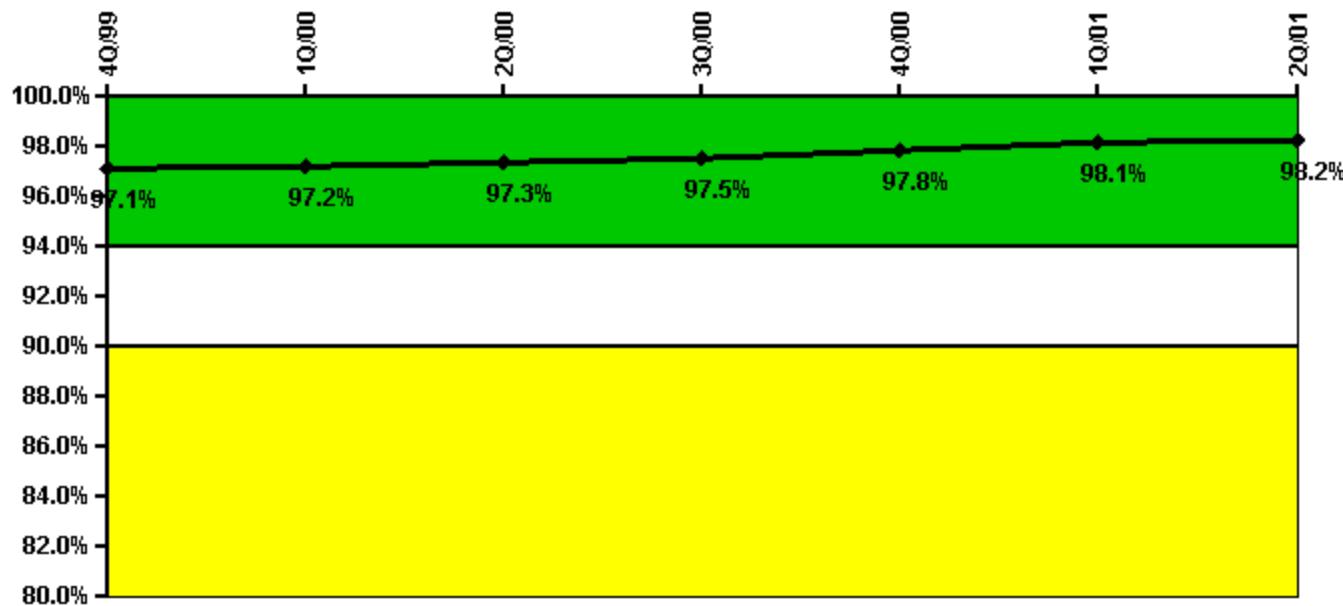
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Participating Key personnel	106.0	107.0	74.0	77.0	74.0	70.0	70.0
Total Key personnel	115.0	111.0	76.0	77.0	74.0	70.0	71.0
Indicator value	92.2%	96.4%	97.4%	100.0%	100.0%	100.0%	98.6%

Licensee Comments: none

Alert & Notification System

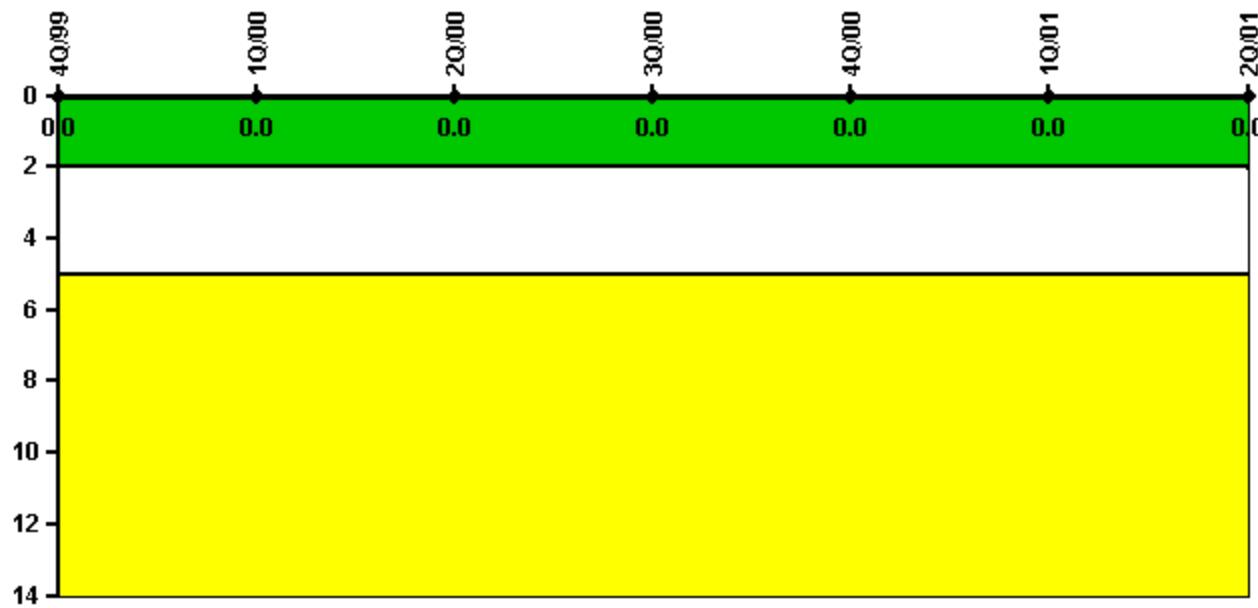


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful siren-tests	1653	1662	1656	1749	1571	1681	1660
Total sirens-tests	1696	1696	1696	1802	1590	1696	1696
Indicator value	97.1%	97.2%	97.3%	97.5%	97.8%	98.1%	98.2%

Licensee Comments: none

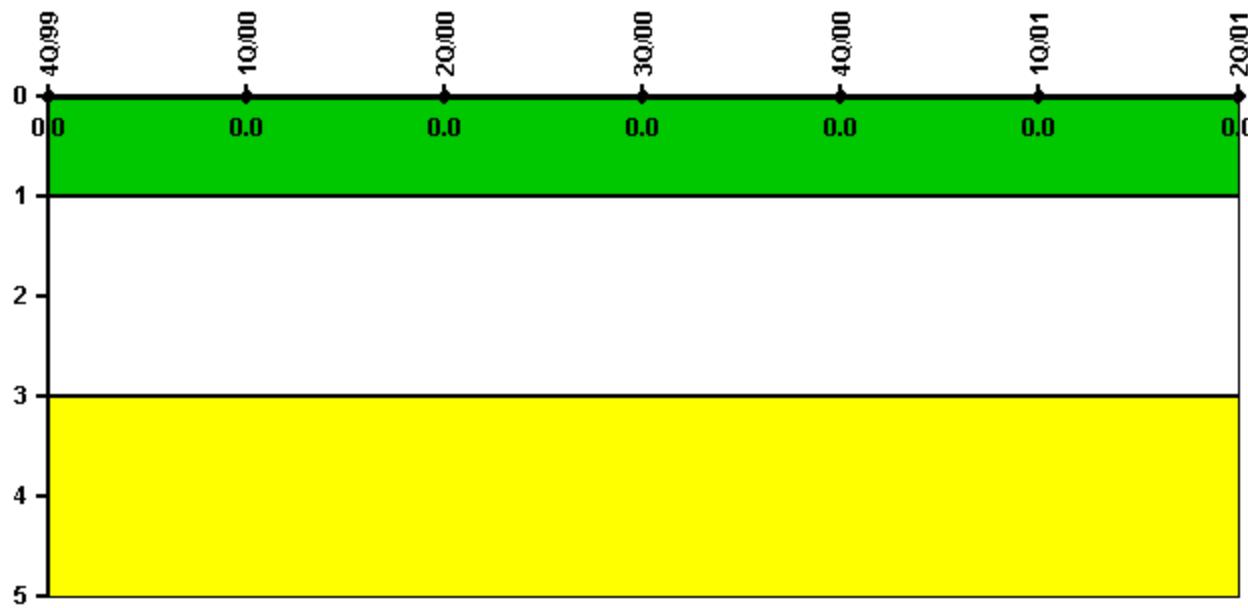
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

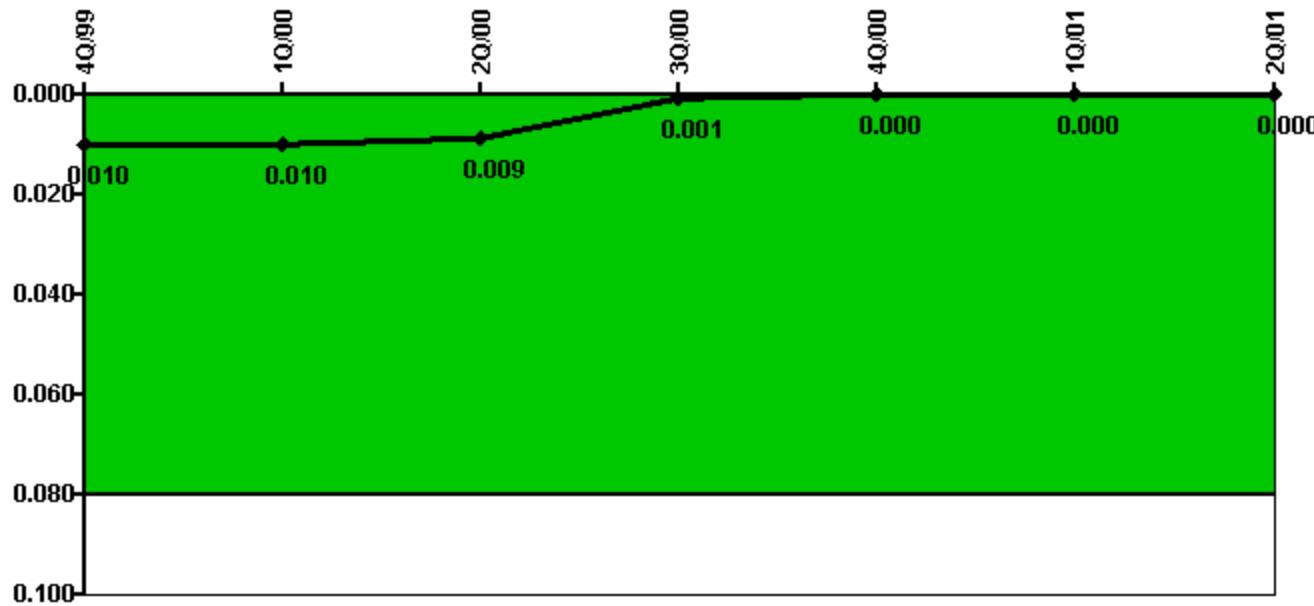
Thresholds: White > 1.0 Yellow > 3.0

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	17.50	0.90	0	0	0	0	1.60
CCTV compensatory hours	0	0	0	0	1.1	0.4	0
IDS normalization factor	1.15	1.15	1.15	1.15	1.15	1.15	1.15
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.010	0.010	0.009	0.001	0	0	0

Licensee Comments:

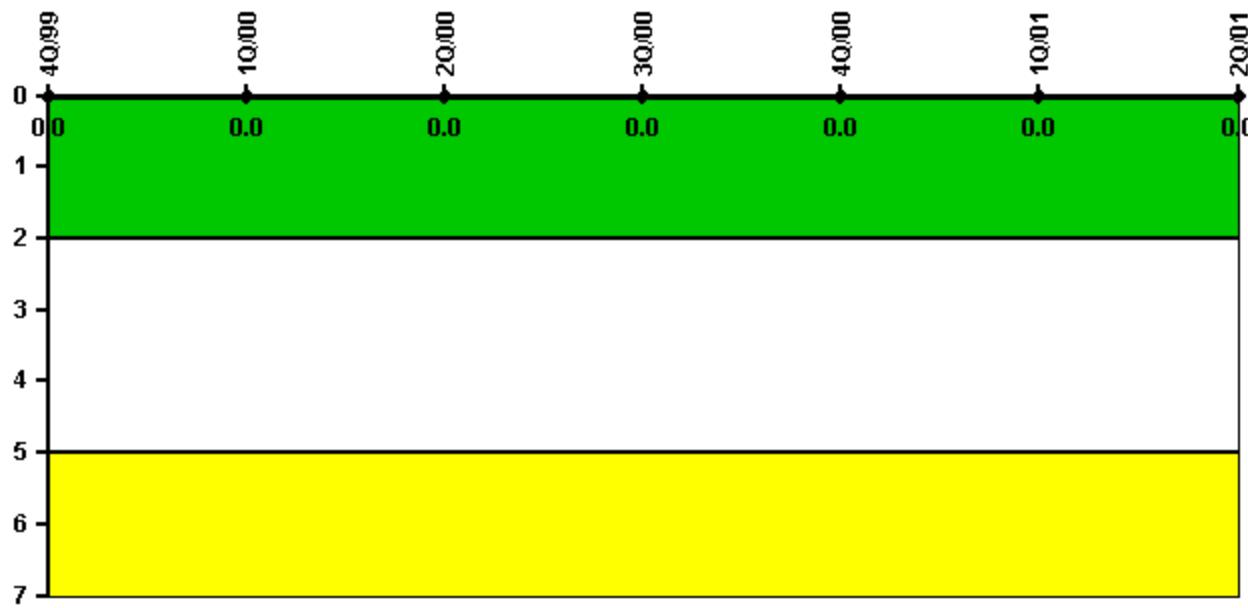
4Q/00: It was determined that the compensatory hours for the intrusion detection system (IDS) for the Access Portal doors had been reported. However, these doors were not included in the number of IDS zones used in the normalization factor and any compensatory hours should not have been reported for the Access Portal doors.

3Q/00: It was determined that the compensatory hours for the intrusion detection system (IDS) for the Access Portal doors had been reported. However, these doors were not included in the number of IDS zones used in the normalization factor and any compensatory hours should not have been reported for the Access Portal doors.

2Q/00: It was determined that compensatory hours for the intrusion detection system (IDS) for the Access Portal doors had been reported. However, these doors were not included in the number of IDS zones used in the normalization factor and any compensatory hours should not have been reported for the Access Portal doors.

1Q/00: It was determined that compensatory hours for the intrusion detection system (IDS) for the Access Portal doors had been previously reported. However, these doors were not included in the IDS zones used in the normalization factor and any compensatory hours should not have been reported for the Access Portal doors.

Personnel Screening Program



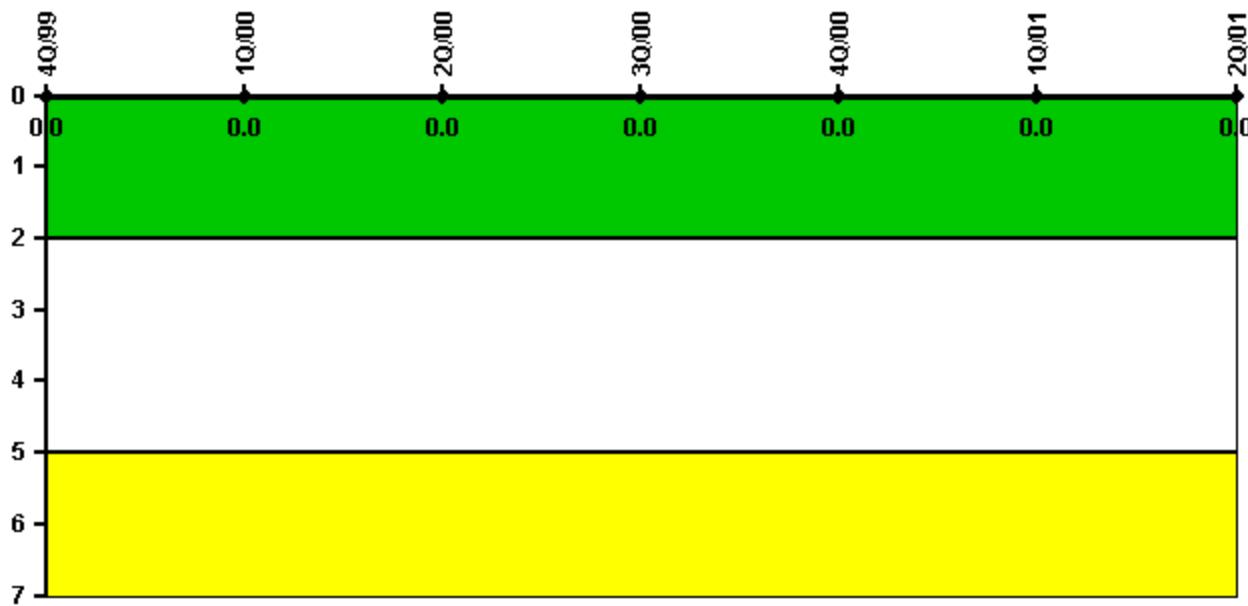
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

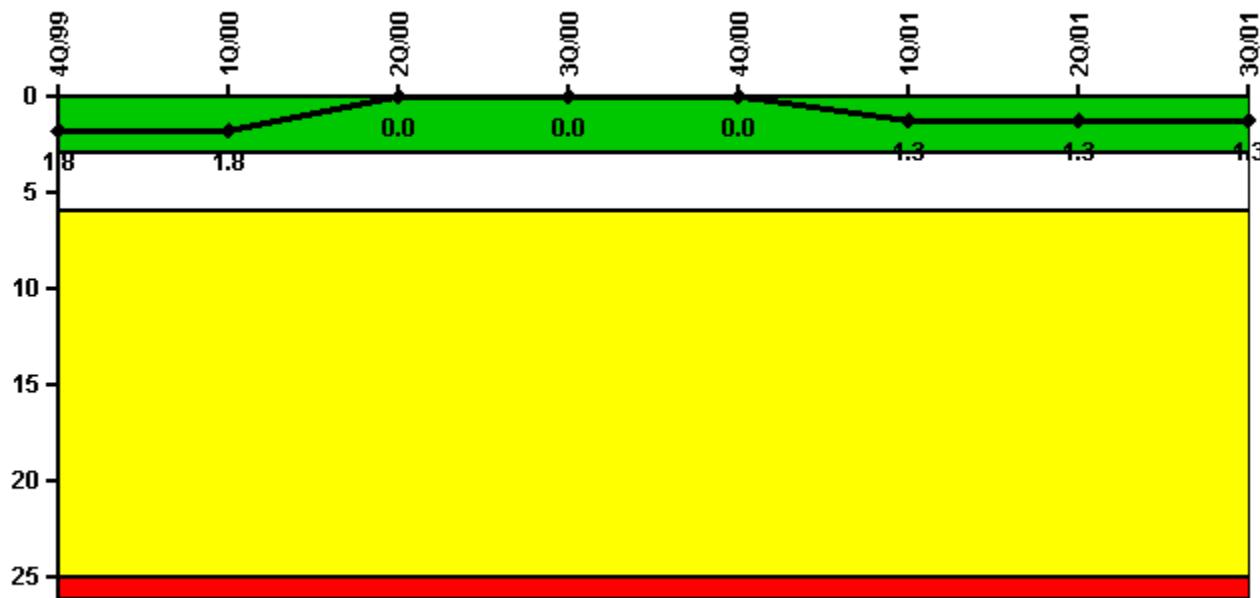


[PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 27, 2002

Summer**3Q/2001 Performance Indicators**

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

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	1.0	0	0
Critical hours	2209.0	2184.0	2183.0	2208.0	149.9	737.9	2183.0	2208.0
Indicator value	1.8	1.8	0	0	0	1.3	1.3	1.3

Licensee Comments: none

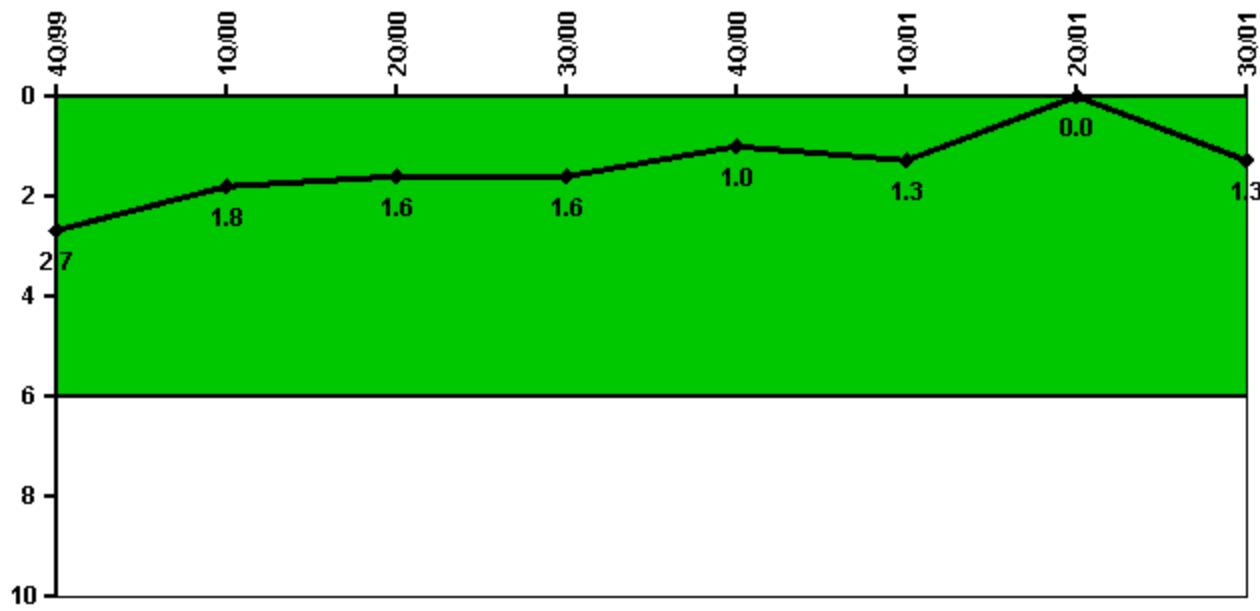
Scrams with Loss of Normal Heat Removal

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

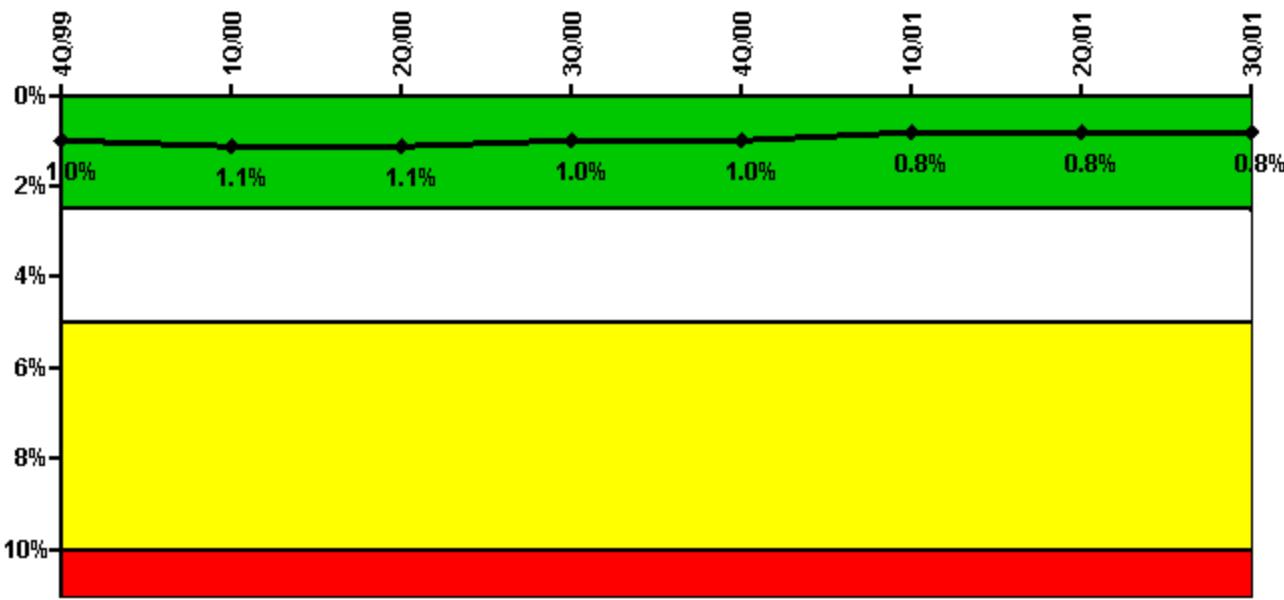
Thresholds: White > 6.0

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	1.0	0	0	0	0	1.0
Critical hours	2209.0	2184.0	2183.0	2208.0	149.9	737.9	2183.0	2208.0
Indicator value	2.7	1.8	1.6	1.6	1.0	1.3	0	1.3

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



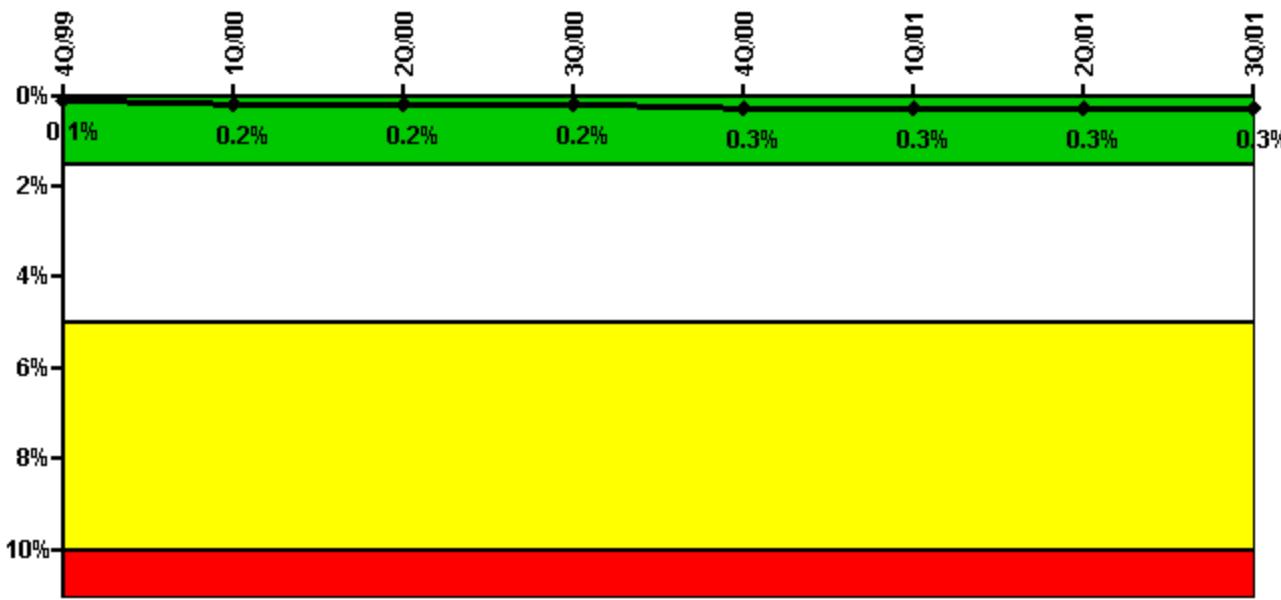
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	0.60	52.30	11.50	11.70	0	8.20	20.90	18.50
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	172.70	1168.40	2183.00	2208.00
Train 2								
Planned unavailable hours	12.00	13.60	25.90	16.00	0	18.70	15.40	17.50
Unplanned unavailable hours	0	0	12.30	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	406.20	894.80	2183.00	2208.00
Indicator value	1.0%	1.1%	1.1%	1.0%	1.0%	0.8%	0.8%	0.8%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



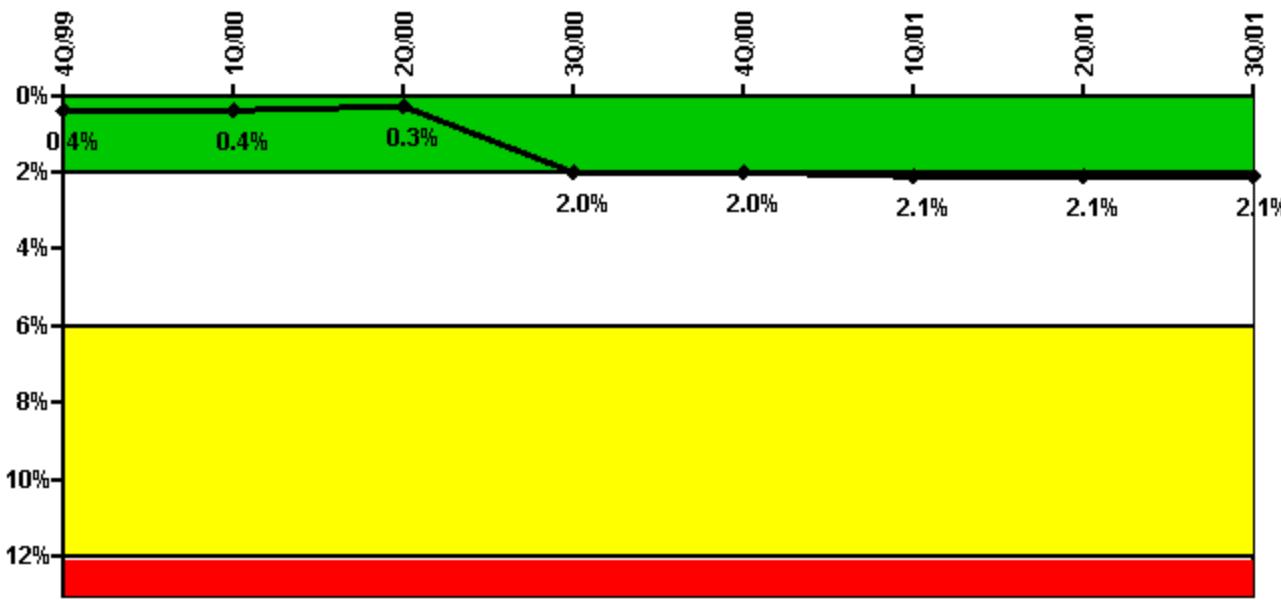
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	3.50	14.20	3.25	3.50	0	0	0.25	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	149.90	737.90	2140.50	2208.00
Train 2								
Planned unavailable hours	3.25	15.55	3.25	3.25	0	0	0.25	0.50
Unplanned unavailable hours	0	0	21.30	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	149.90	737.90	2140.50	2208.00
Indicator value	0.1%	0.2%	0.2%	0.2%	0.3%	0.3%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



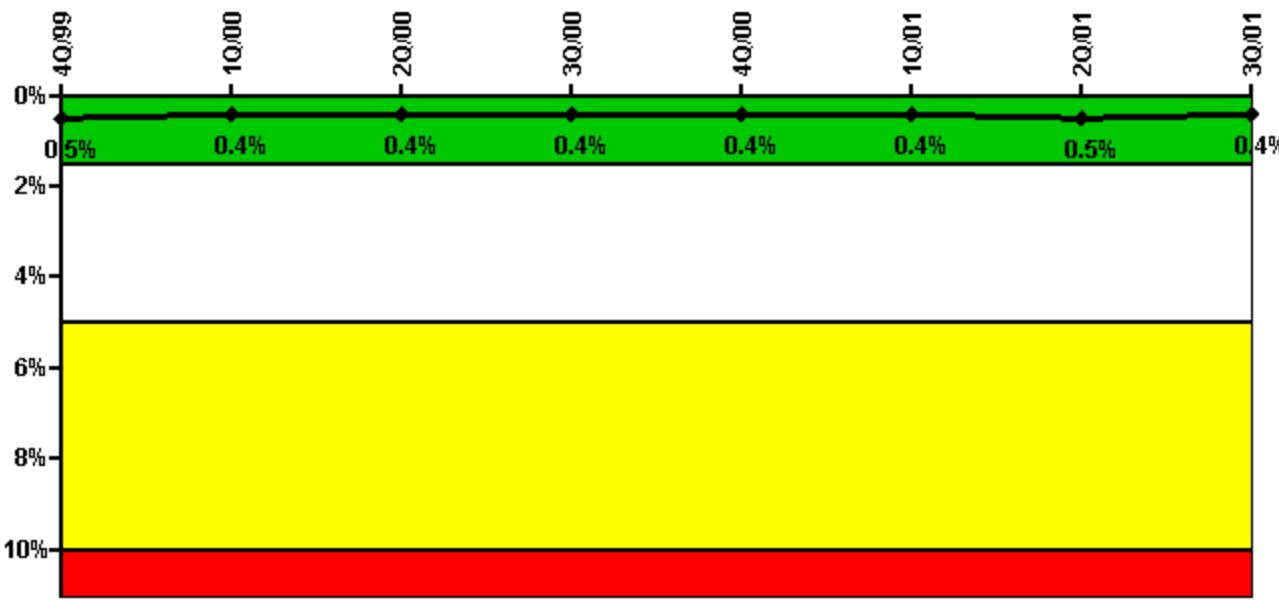
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)		4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1									
Planned unavailable hours		8.50	0	2.00	30.80	0	0	8.20	20.30
Unplanned unavailable hours		0	0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	149.90	737.90	2183.00	2208.00
Train 2									
Planned unavailable hours		13.30	0	15.80	6.00	0	0	7.80	18.50
Unplanned unavailable hours		0	0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	149.90	737.90	2183.00	2208.00
Train 3									
Planned unavailable hours		10.60	0	7.50	0	0	0	9.10	0
Unplanned unavailable hours		0	0	0	0	0	0	0	0
Fault exposure hours		0	0	0	1157.00	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	149.90	737.90	2183.00	2208.00
Indicator value		0.4%	0.4%	0.3%	2.0%	2.0%	2.1%	2.1%	2.1%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



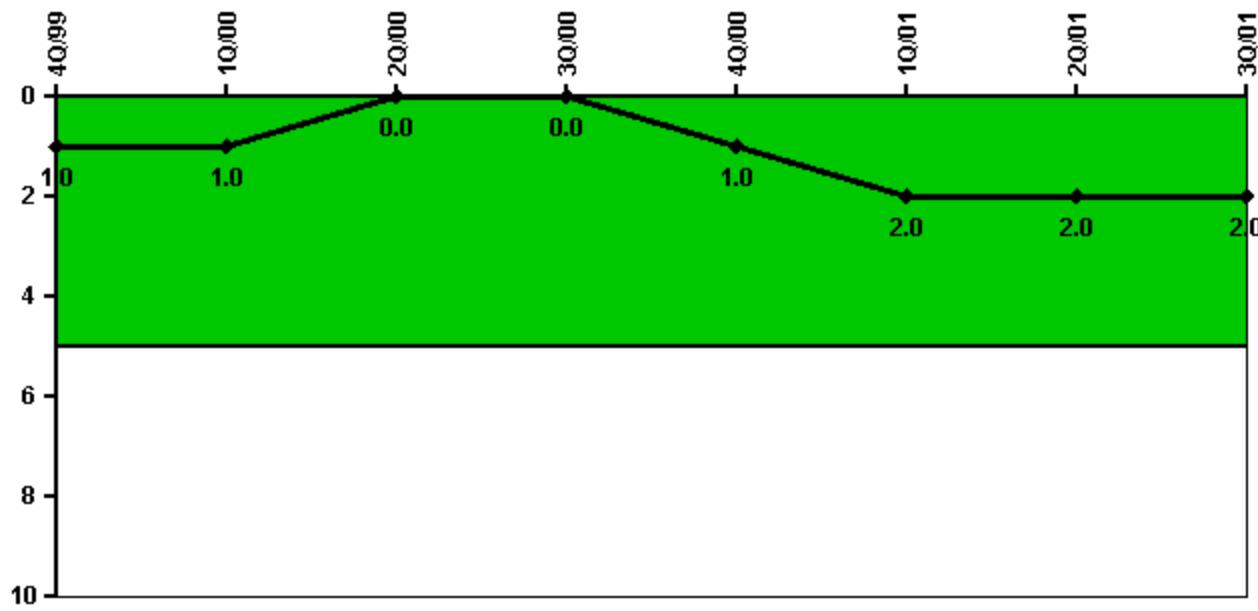
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System		4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1									
Planned unavailable hours		23.95	0.25	0.25	9.30	0	0	13.50	12.50
Unplanned unavailable hours		0	0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	356.30	1168.40	2183.00	2208.00
Train 2									
Planned unavailable hours		7.05	12.55	0.25	12.00	0	0.25	14.70	0
Unplanned unavailable hours		0	0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	406.20	1168.40	2183.00	2208.00
Indicator value		0.5%	0.4%	0.4%	0.4%	0.4%	0.4%	0.5%	0.4%

Licensee Comments: none

Safety System Functional Failures (PWR)



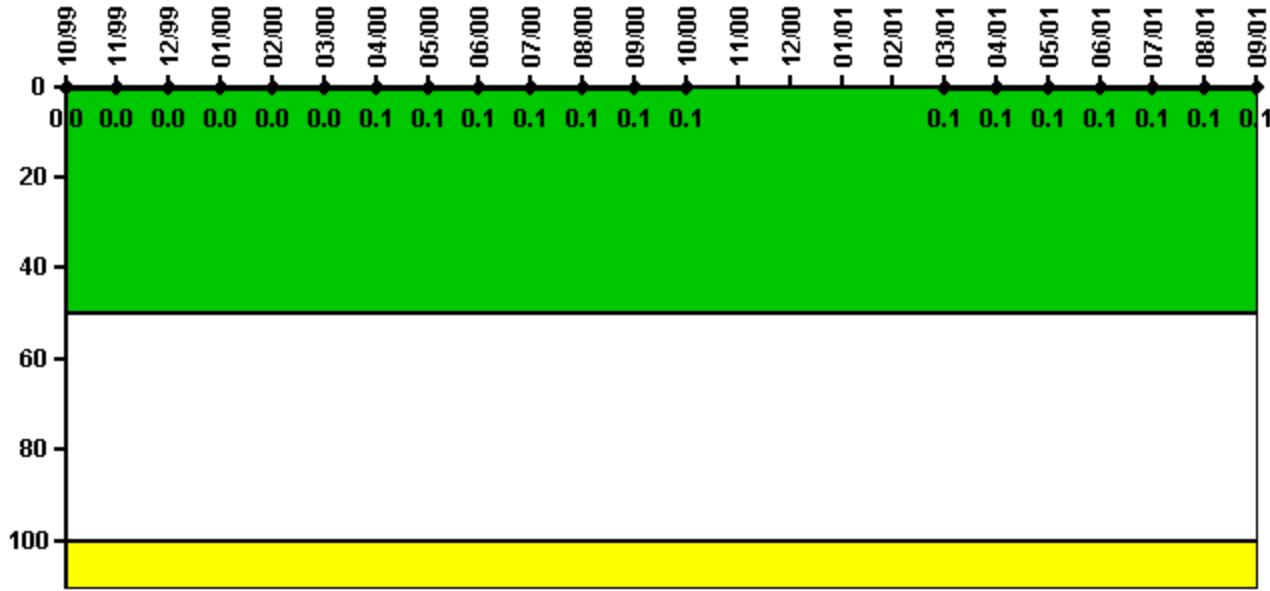
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

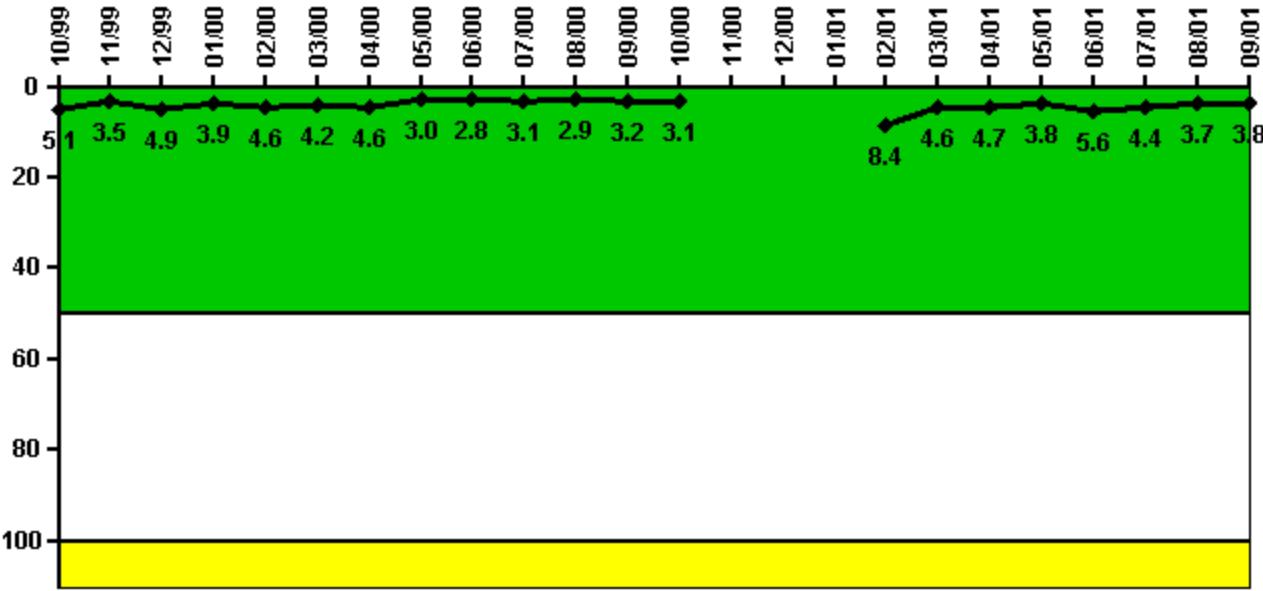
Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.000327	0.000487	0.000359	0.000382	0.000440	0.000409	0.000504	0.000440	0.000453	0.000538	0.000467	0.000444
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity	0.000411	N/A	N/A	N/A	N/A	0.000245	0.000281	0.000276	0.000275	0.000290	0.000362	0.000314
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	N/A	N/A	N/A	N/A	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

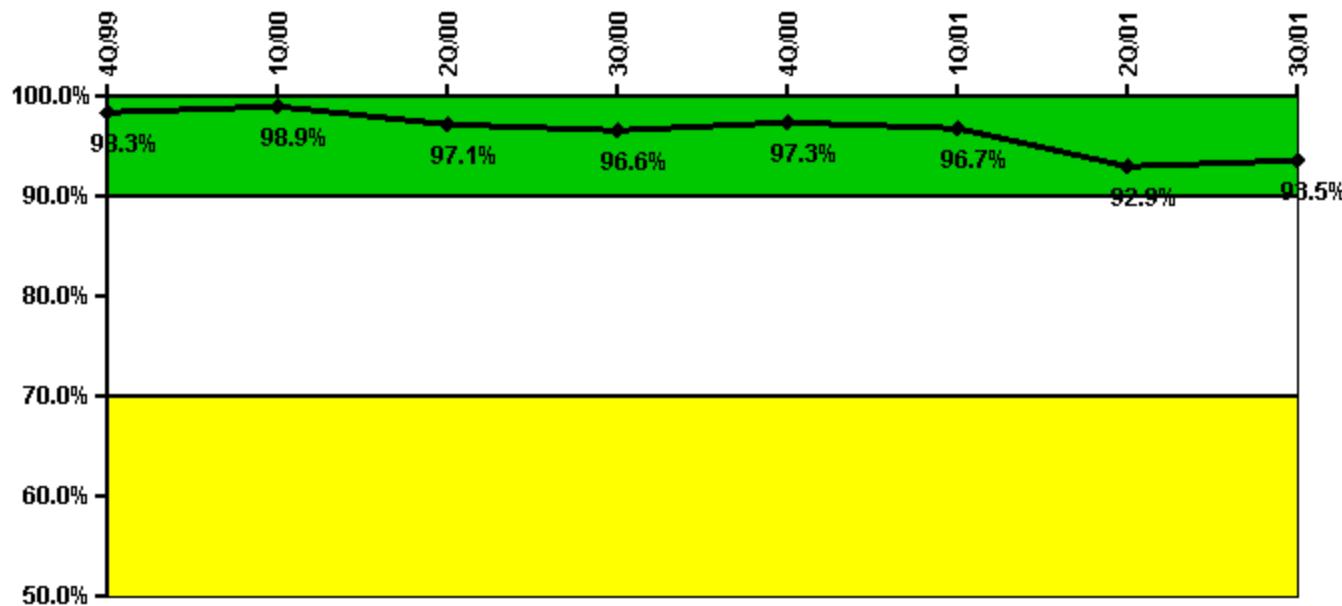
Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.510	0.350	0.490	0.390	0.460	0.420	0.460	0.300	0.280	0.310	0.290	0.320
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	5.1	3.5	4.9	3.9	4.6	4.2	4.6	3.0	2.8	3.1	2.9	3.2

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	0.310	N/A	N/A	N/A	0.840	0.460	0.470	0.380	0.560	0.440	0.370	0.380
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	3.1	N/A	N/A	N/A	8.4	4.6	4.7	3.8	5.6	4.4	3.7	3.8

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful opportunities	20.0	38.0	16.0	13.0	0	10.0	32.0	28.0
Total opportunities	20.0	38.0	18.0	14.0	0	11.0	39.0	28.0
Indicator value	98.3%	98.9%	97.1%	96.6%	97.3%	96.7%	92.9%	93.5%

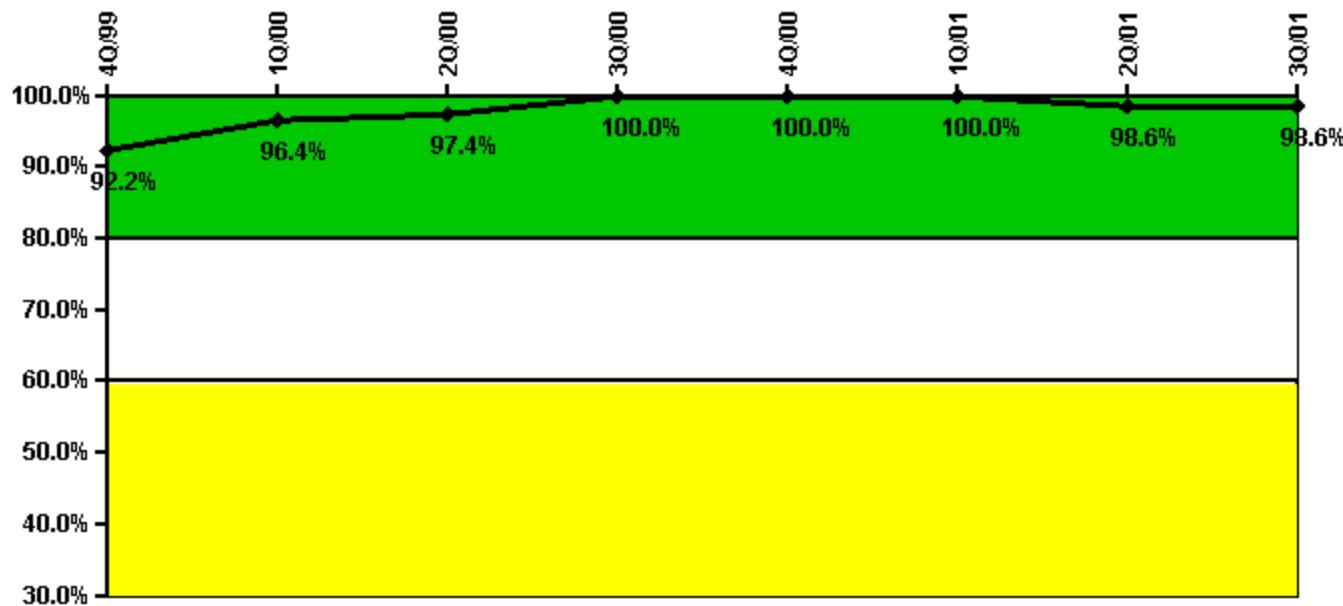
Licensee Comments:

3Q/01: Q1/2001 data was revised. This revision did not result in a color change. During the review of the data it was determined that during a training drill there was a failure to capture a PAR notification. Q2/2001 data was revised. This did not result in a color change. A review of NEI 99-02 Rev. 1 revealed that there were events that had previously been captured as PAR changes when the only change was in the dose and should not have been counted as a PAR notification.

2Q/01: A review of NEI 99-02 Rev 1, revealed that there were events that had previously been counted as PAR changes when the only change was a dose change and should not have been counted as a PAR notification.

1Q/01: During a review of the data it was determined that during a training drill conducted in March 2001, there was a failure to capture a PAR notification. Data has been revised.

ERO Drill Participation



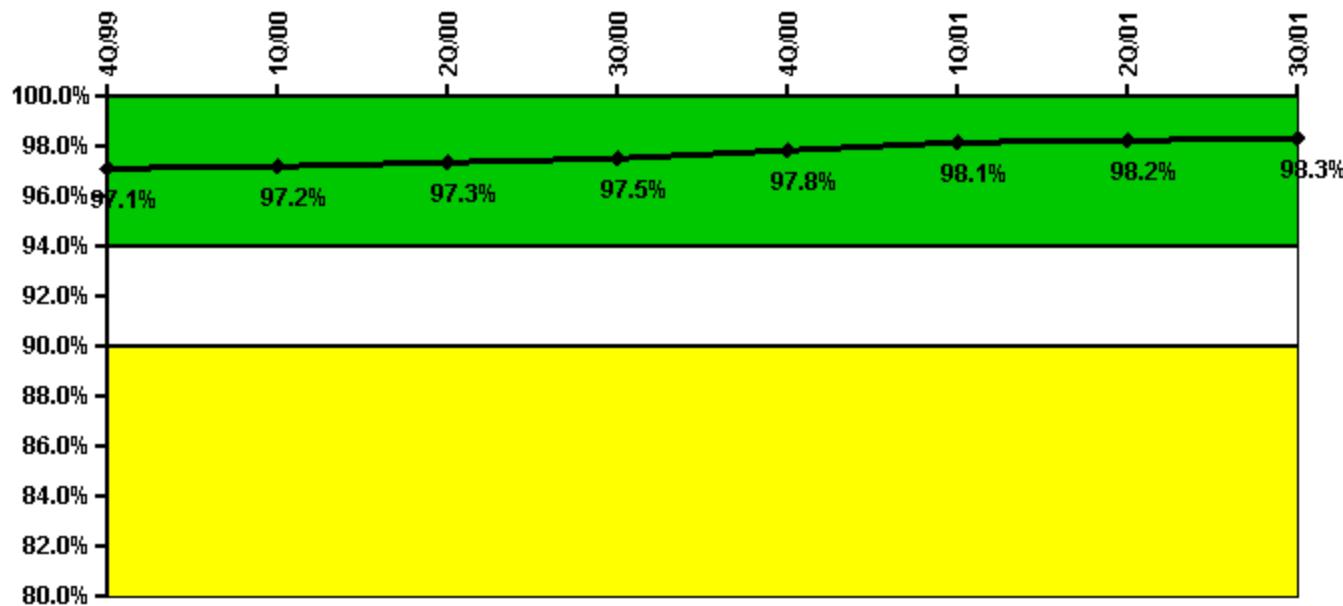
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Participating Key personnel	106.0	107.0	74.0	77.0	74.0	70.0	70.0	69.0
Total Key personnel	115.0	111.0	76.0	77.0	74.0	70.0	71.0	70.0
Indicator value	92.2%	96.4%	97.4%	100.0%	100.0%	100.0%	98.6%	98.6%

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	1653	1662	1656	1749	1571	1681	1660	1652
Total sirens-tests	1696	1696	1696	1802	1590	1696	1696	1694
Indicator value	97.1%	97.2%	97.3%	97.5%	97.8%	98.1%	98.2%	98.3%

Licensee Comments: none

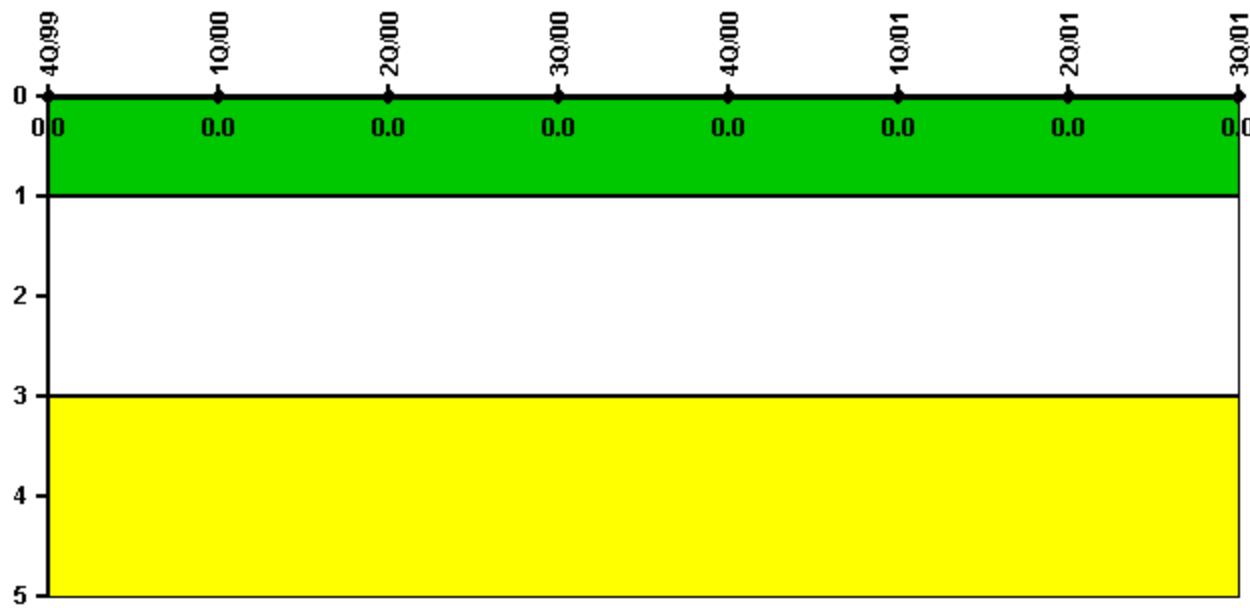
Occupational Exposure Control Effectiveness

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

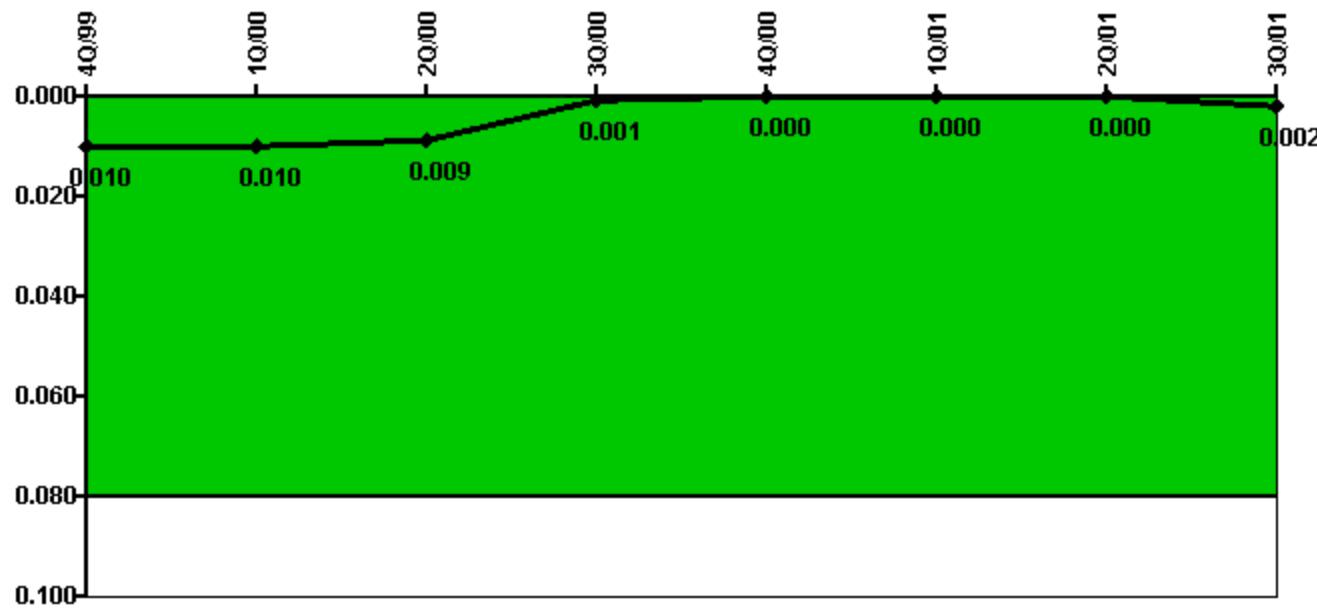
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



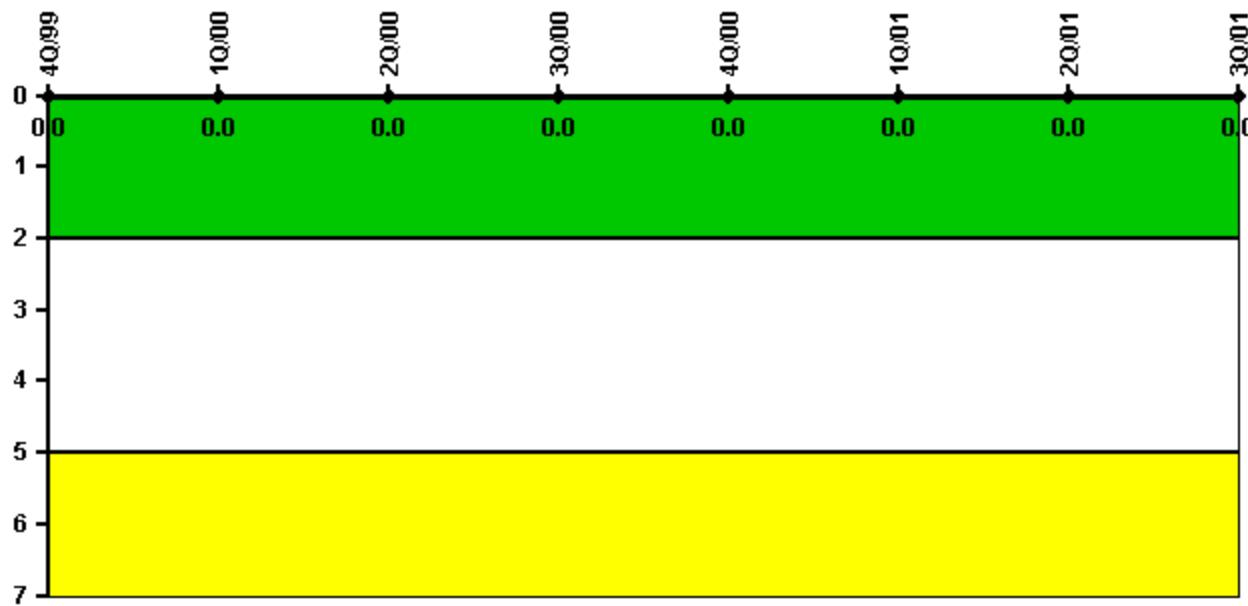
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
IDS compensatory hours	17.50	0.90	0	0	0	0	1.60	36.10
CCTV compensatory hours	0	0	0	0	1.1	0.4	0	0
IDS normalization factor	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.010	0.010	0.009	0.001	0	0	0	0.002

Licensee Comments: none

Personnel Screening Program



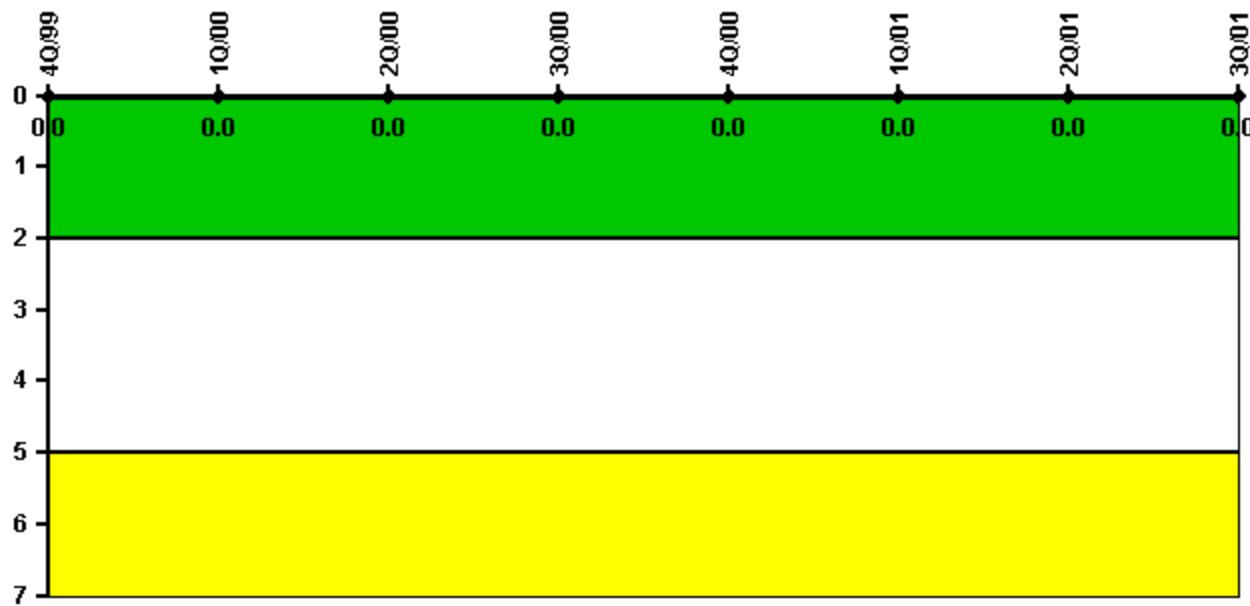
Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	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

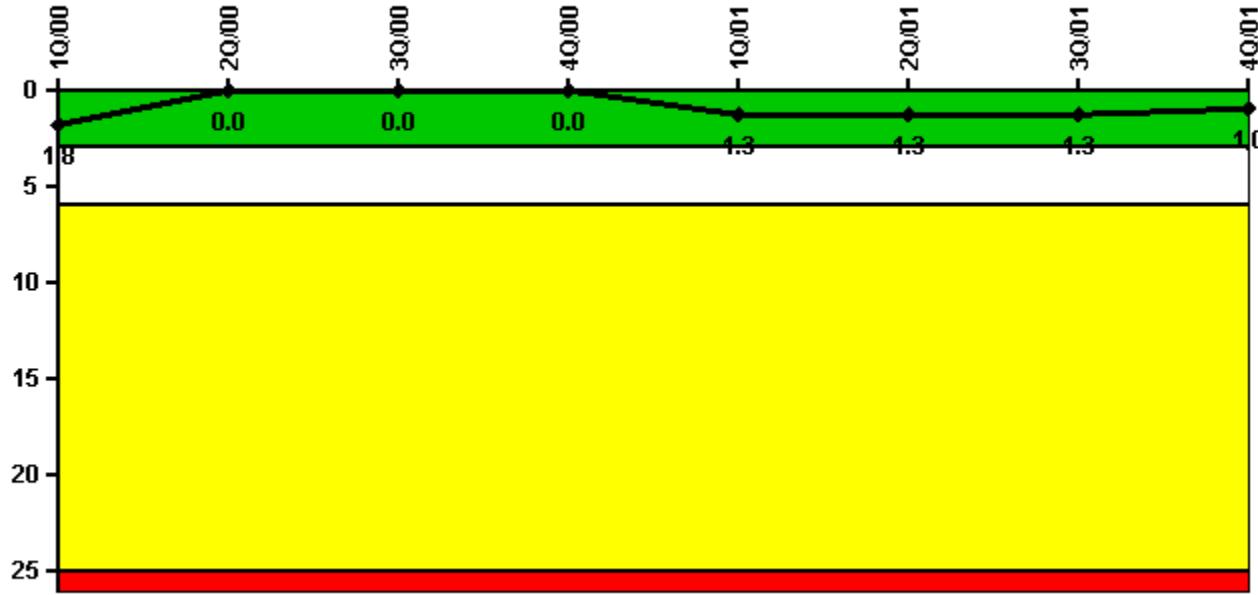


[PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 26, 2002

Summer**4Q/2001 Performance Indicators**

Licensee's General Comments: none

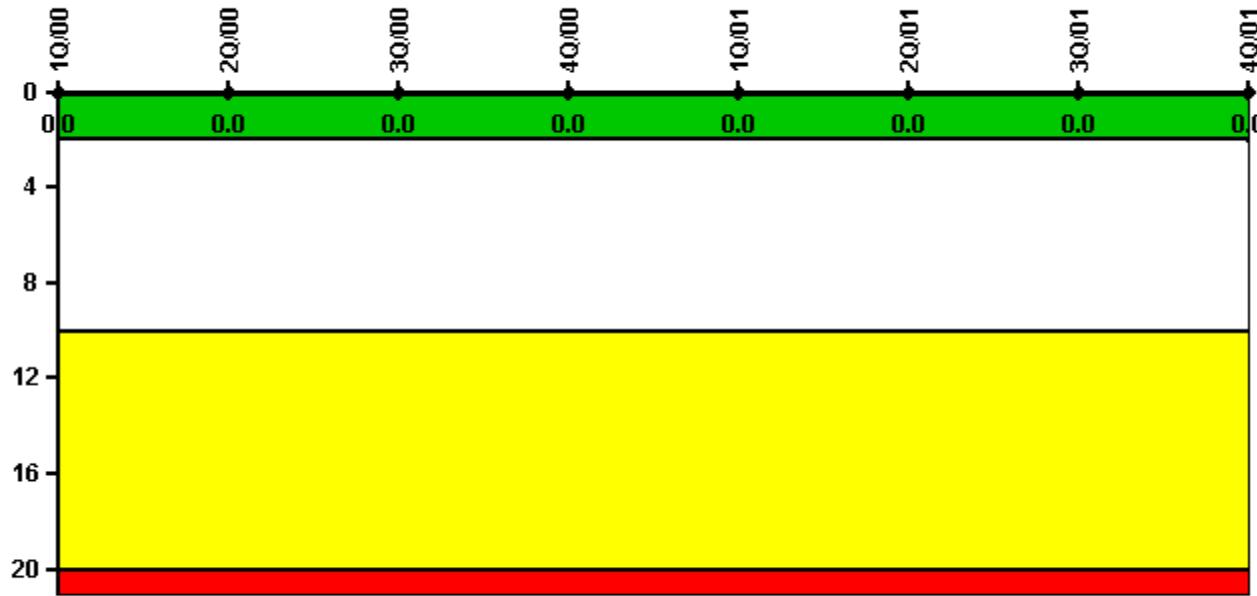
Unplanned Scrams per 7000 Critical Hrs

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	1.0	0	0	0
Critical hours	2184.0	2183.0	2208.0	149.9	737.9	2183.0	2208.0	2209.0
Indicator value	1.8	0	0	0	1.3	1.3	1.3	1.0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

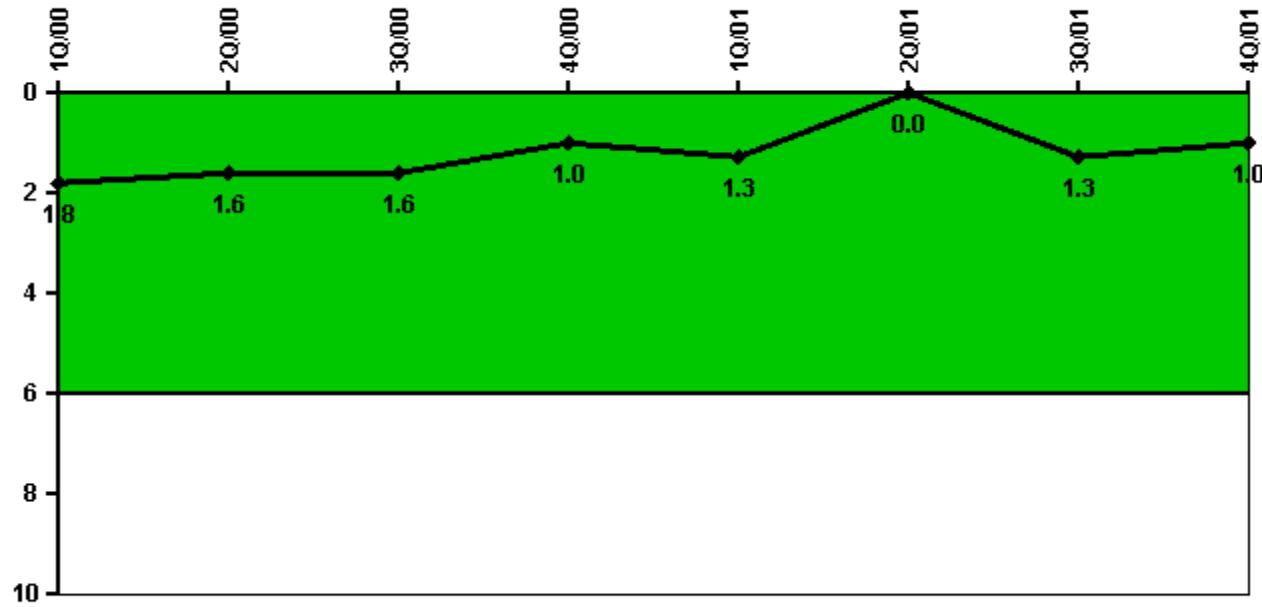
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



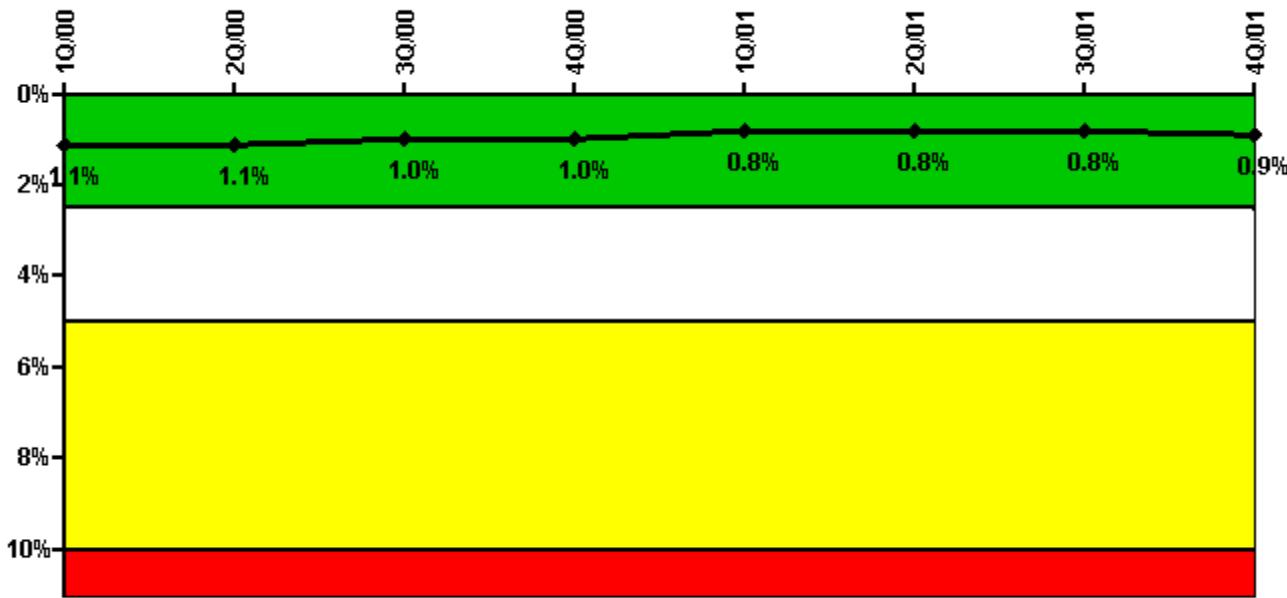
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned power changes	0	1.0	0	0	0	0	1.0	0
Critical hours	2184.0	2183.0	2208.0	149.9	737.9	2183.0	2208.0	2209.0
Indicator value	1.8	1.6	1.6	1.0	1.3	0	1.3	1.0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



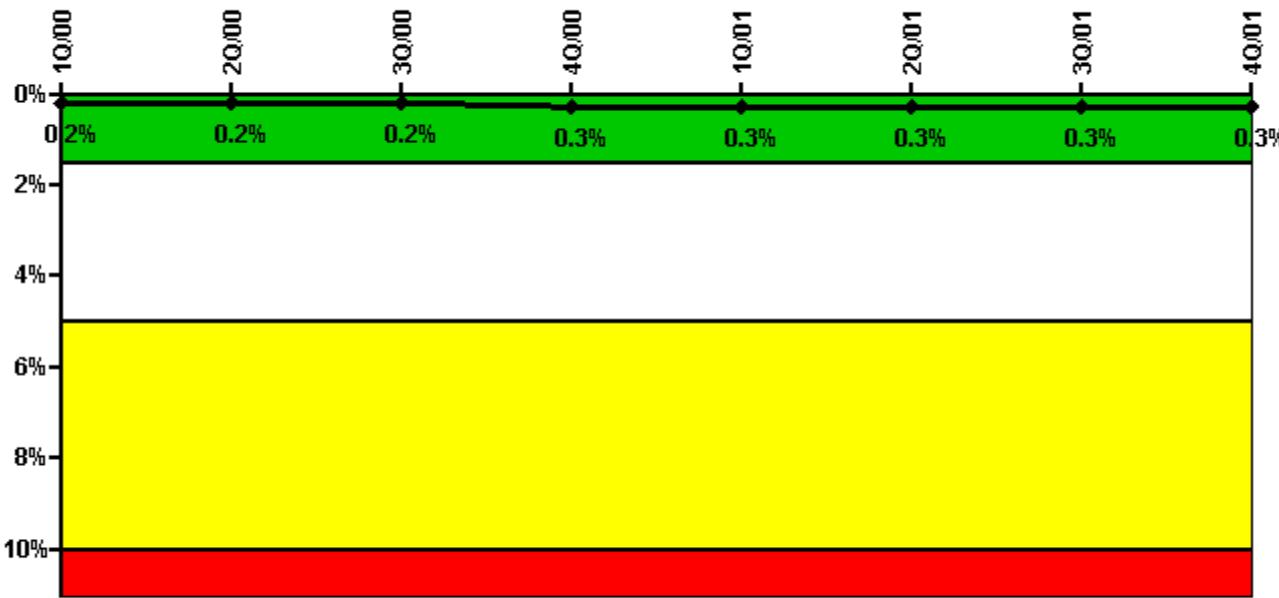
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	52.30	11.50	11.70	0	8.20	20.90	18.50	17.50
Unplanned unavailable hours	0	0	0	0	0	0	0	5.10
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	2183.00	2208.00	172.70	1168.40	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	13.60	25.90	16.00	0	18.70	15.40	17.50	66.10
Unplanned unavailable hours	0	12.30	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	406.20	894.80	2183.00	2208.00	2209.00
Indicator value	1.1%	1.1%	1.0%	1.0%	0.8%	0.8%	0.8%	0.9%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



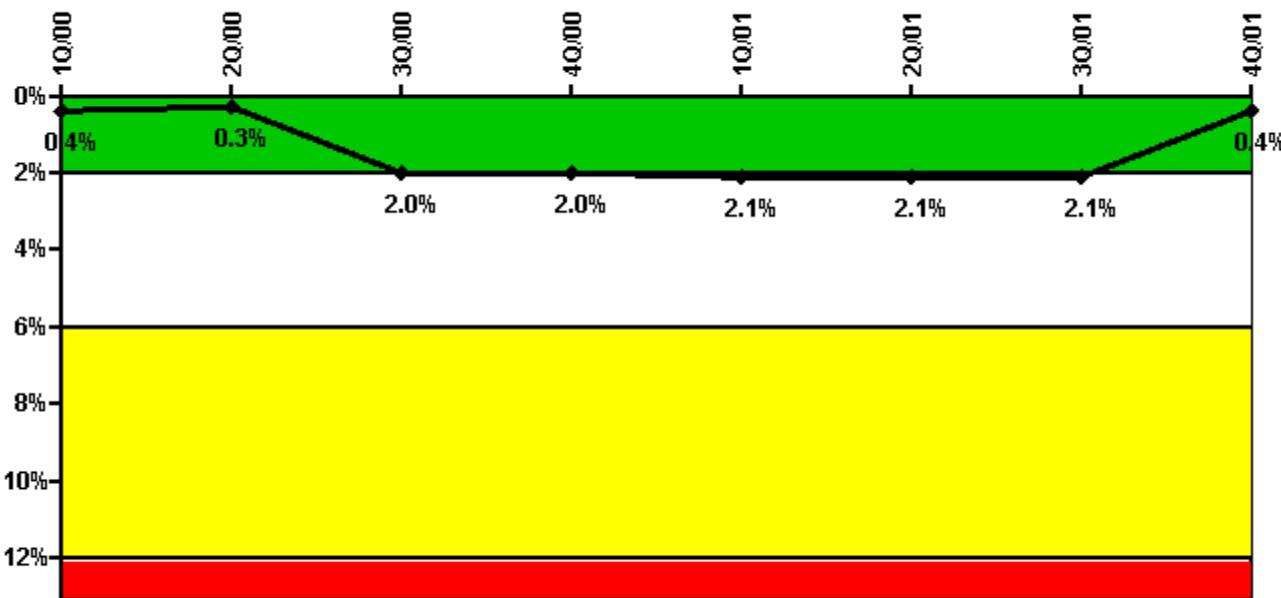
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)		1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1									
Planned unavailable hours		14.20	3.25	3.50	0	0	0.25	0.25	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		2184.00	2183.00	2208.00	149.90	737.90	2140.50	2208.00	2209.00
Train 2									
Planned unavailable hours		15.55	3.25	3.25	0	0	0.25	0.50	0.25
Unplanned unavailable hours		0	21.30	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2184.00	2183.00	2208.00	149.90	737.90	2140.50	2208.00	2209.00
Indicator value		0.2%	0.2%	0.2%	0.3%	0.3%	0.3%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



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

Notes

Safety System Unavailability, Heat Removal System (AFW)		1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1									
Planned unavailable hours		0	2.00	30.80	0	0	8.20	20.30	23.30
Unplanned unavailable hours		0	0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2184.00	2183.00	2208.00	149.90	737.90	2183.00	2208.00	2209.00
Train 2									
Planned unavailable hours		0	15.80	6.00	0	0	7.80	18.50	0
Unplanned unavailable hours		0	0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2184.00	2183.00	2208.00	149.90	737.90	2183.00	2208.00	2209.00
Train 3									
Planned unavailable hours		0	7.50	0	0	0	9.10	0	16.30
Unplanned unavailable hours		0	0	0	0	0	0	0	0
Fault exposure hours		0	0	1157.00	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	1157.00
Required hours		2184.00	2183.00	2208.00	149.90	737.90	2183.00	2208.00	2209.00
Indicator value		0.4%	0.3%	2.0%	2.0%	2.1%	2.1%	2.1%	0.4%

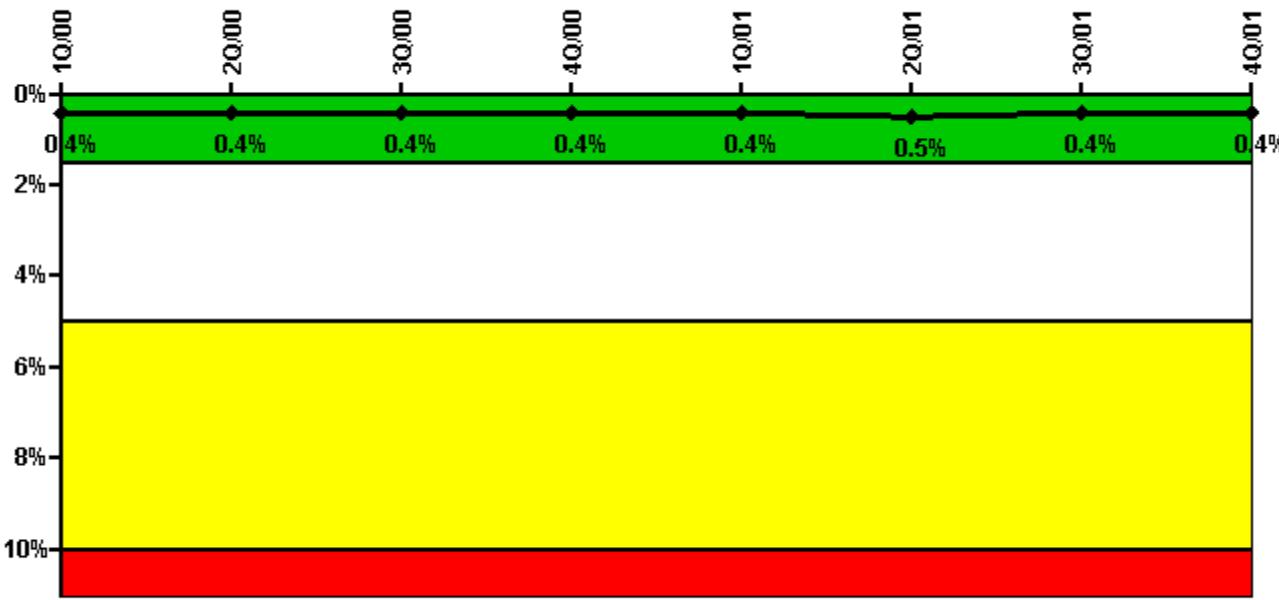
Licensee Comments: none

Effective Reset Comments:

4Q/01: Fault exposure hours for Train 3 are being reset to zero. All the criteria has been met to reset the hours to zero.

4Q/01: Fault exposure hours for Train 3 are being reset to zero. All the criteria has been met to reset the hours to zero.

Safety System Unavailability, Residual Heat Removal System

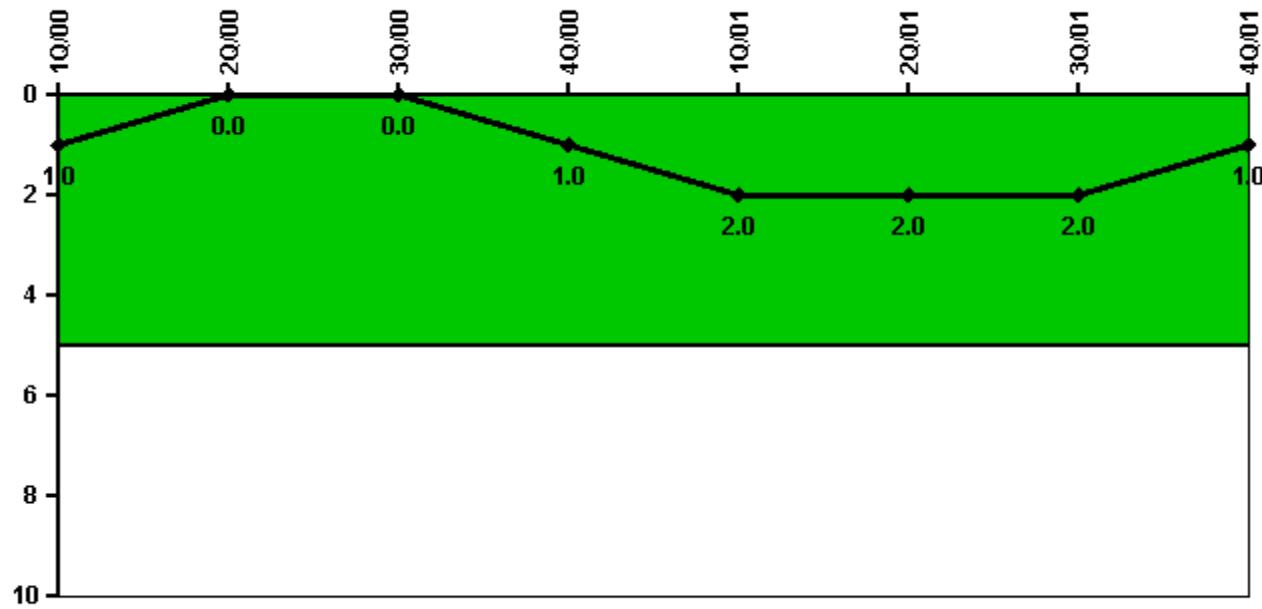


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System		1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1									
Planned unavailable hours		0.25	0.25	9.30	0	0	13.50	12.50	8.10
Unplanned unavailable hours		0	0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2184.00	2183.00	2208.00	356.30	1168.40	2183.00	2208.00	2209.00
Train 2									
Planned unavailable hours		12.55	0.25	12.00	0	0.25	14.70	0	10.00
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		2184.00	2183.00	2208.00	406.20	1168.40	2183.00	2208.00	2209.00
Indicator value		0.4%	0.4%	0.4%	0.4%	0.4%	0.5%	0.4%	0.4%

Licensee Comments: none

Safety System Functional Failures (PWR)

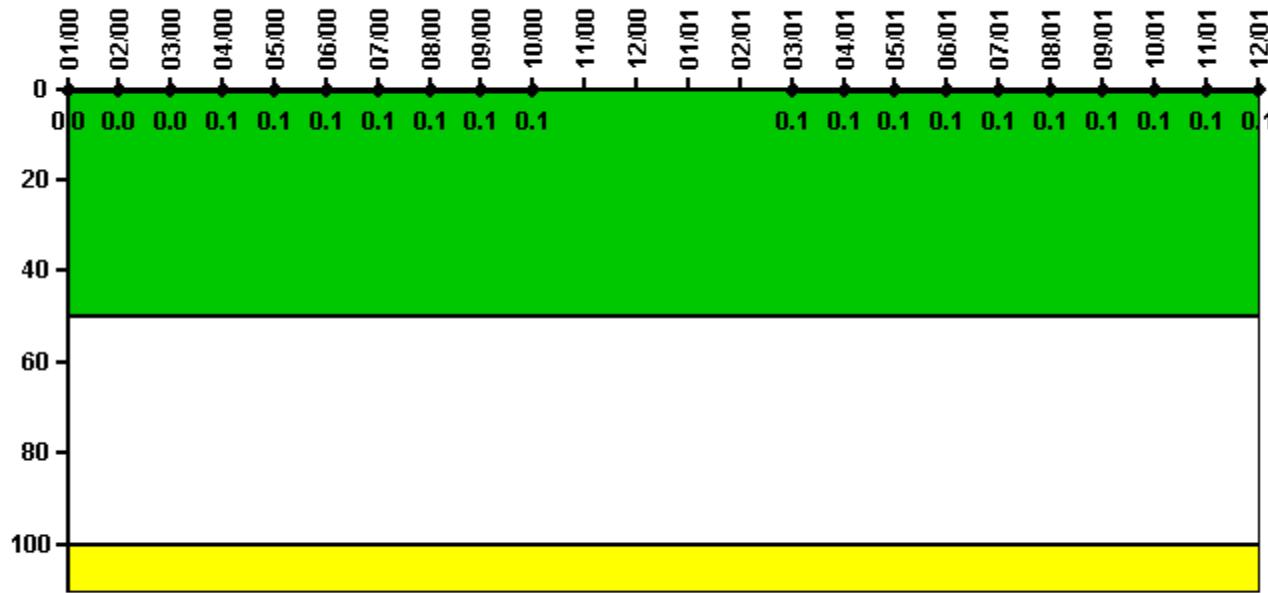
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

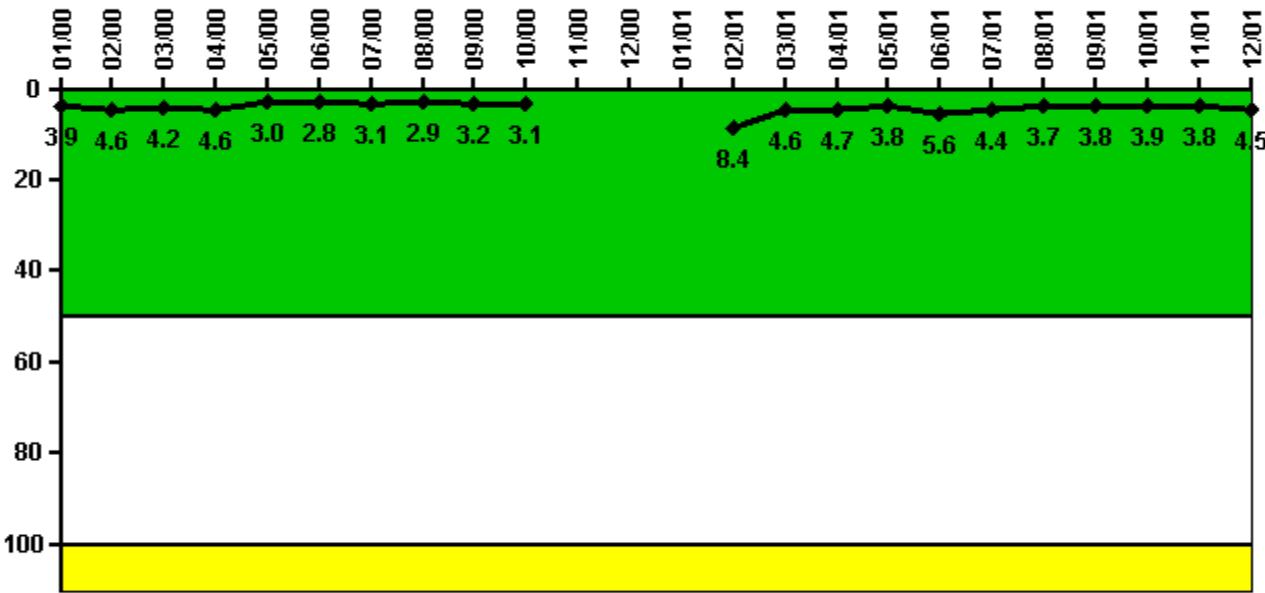
Notes

Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.000382	0.000440	0.000409	0.000504	0.000440	0.000453	0.000538	0.000467	0.000444	0.000411	N/A	N/A
Technical specification limit	1.0	1.0	1.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A	N/A

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	N/A	N/A	0.000245	0.000281	0.000276	0.000275	0.000290	0.000362	0.000314	0.000340	0.000341	0.000360
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	N/A	N/A	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

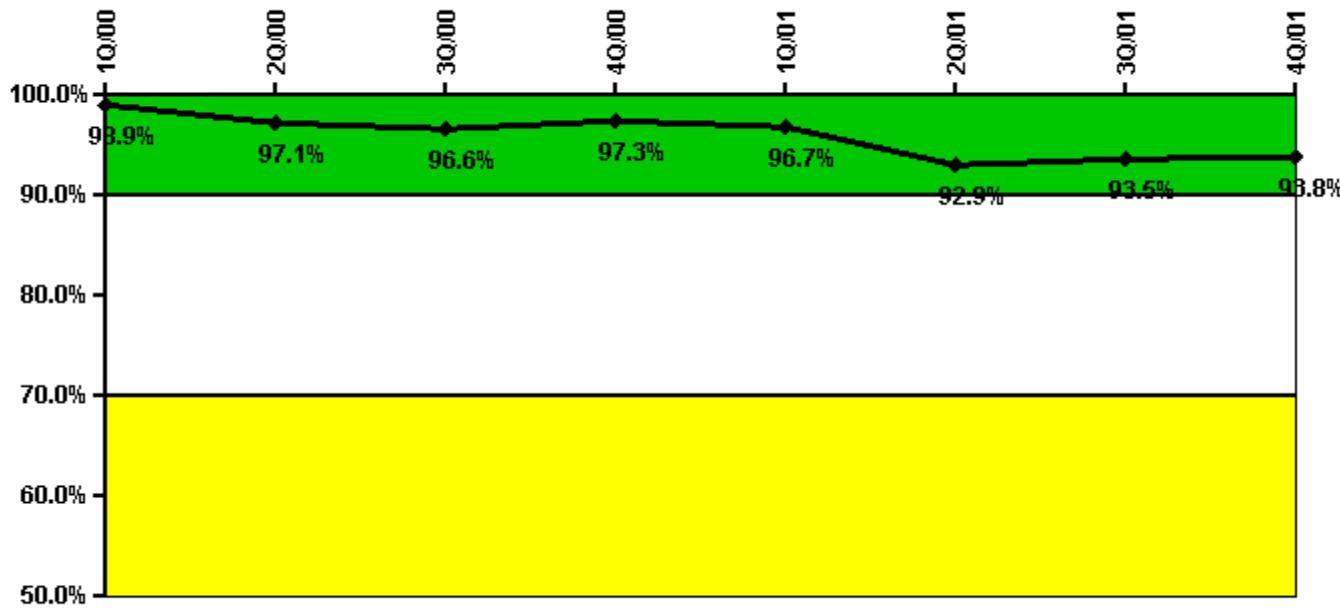
Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	0.390	0.460	0.420	0.460	0.300	0.280	0.310	0.290	0.320	0.310	N/A	N/A
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	3.9	4.6	4.2	4.6	3.0	2.8	3.1	2.9	3.2	3.1	N/A	N/A

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	N/A	0.840	0.460	0.470	0.380	0.560	0.440	0.370	0.380	0.390	0.380	0.450
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	N/A	8.4	4.6	4.7	3.8	5.6	4.4	3.7	3.8	3.9	3.8	4.5

Licensee Comments:

12/01: A revision was made to the RCS Identified Leakage data reported for August 2001. The RCS Identified Leakage was previously reported as 0.36 gpm whereas it should have been 0.37 gpm.

Drill/Exercise Performance



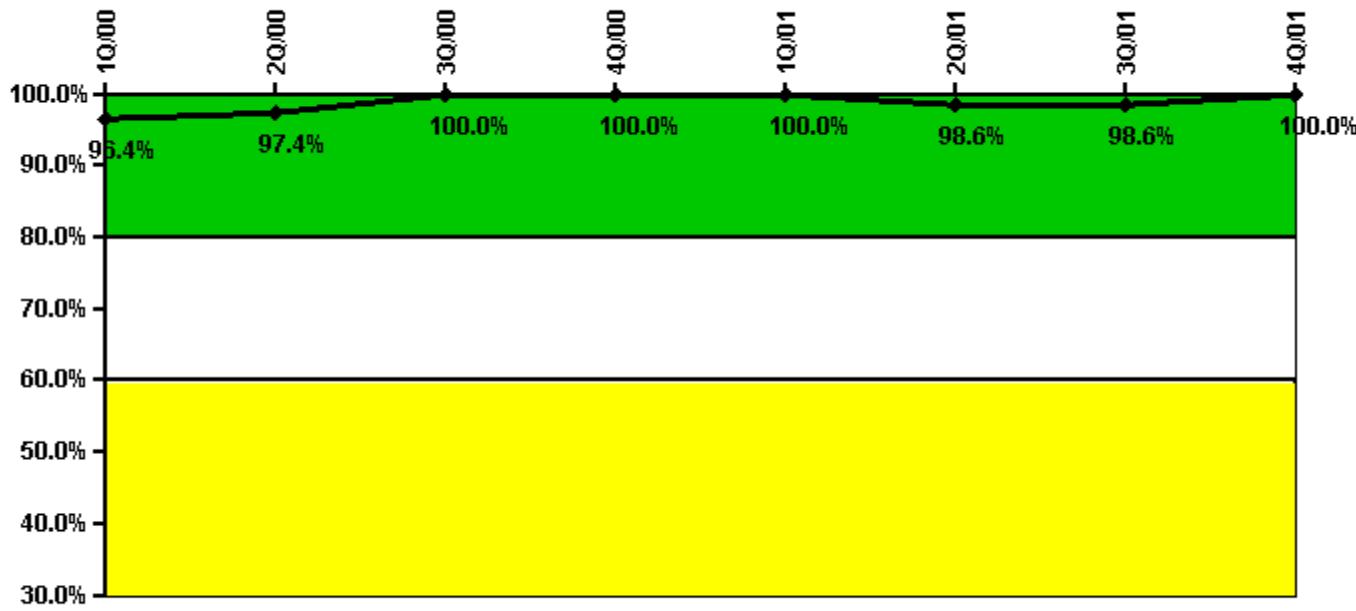
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful opportunities	38.0	16.0	13.0	0	10.0	32.0	28.0	29.0
Total opportunities	38.0	18.0	14.0	0	11.0	39.0	28.0	29.0
Indicator value	98.9%	97.1%	96.6%	97.3%	96.7%	92.9%	93.5%	93.8%

Licensee Comments: none

ERO Drill Participation



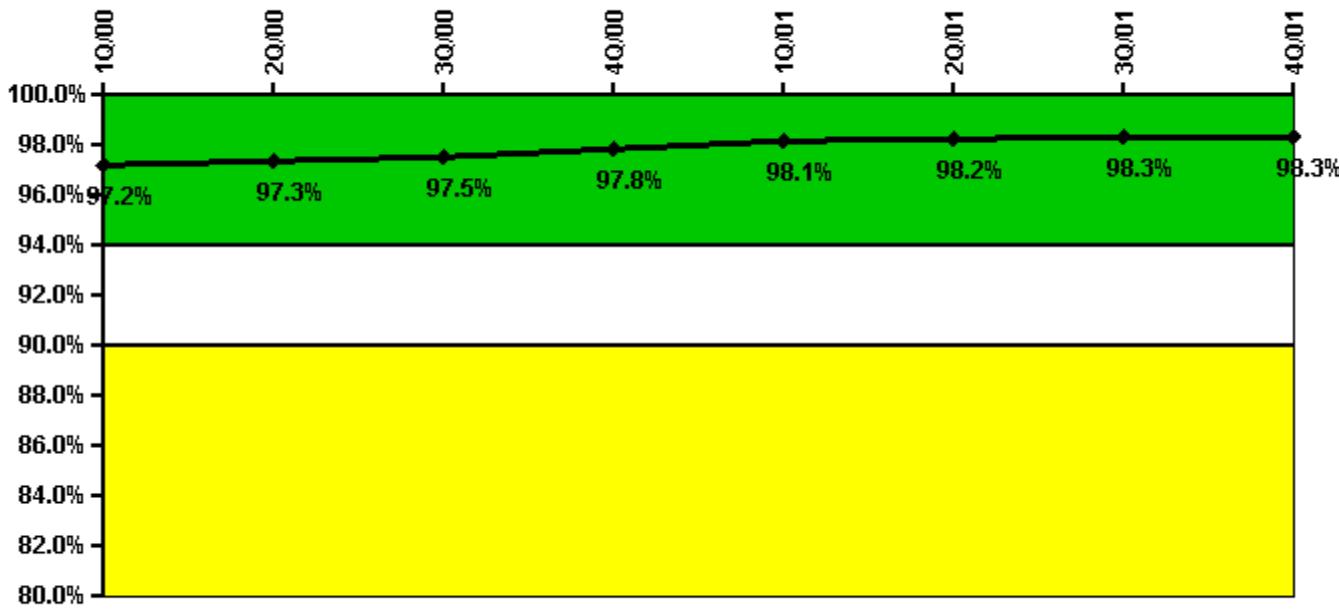
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	107.0	74.0	77.0	74.0	70.0	70.0	69.0	72.0
Total Key personnel	111.0	76.0	77.0	74.0	70.0	71.0	70.0	72.0
Indicator value	96.4%	97.4%	100.0%	100.0%	100.0%	98.6%	98.6%	100.0%

Licensee Comments: none

Alert & Notification System

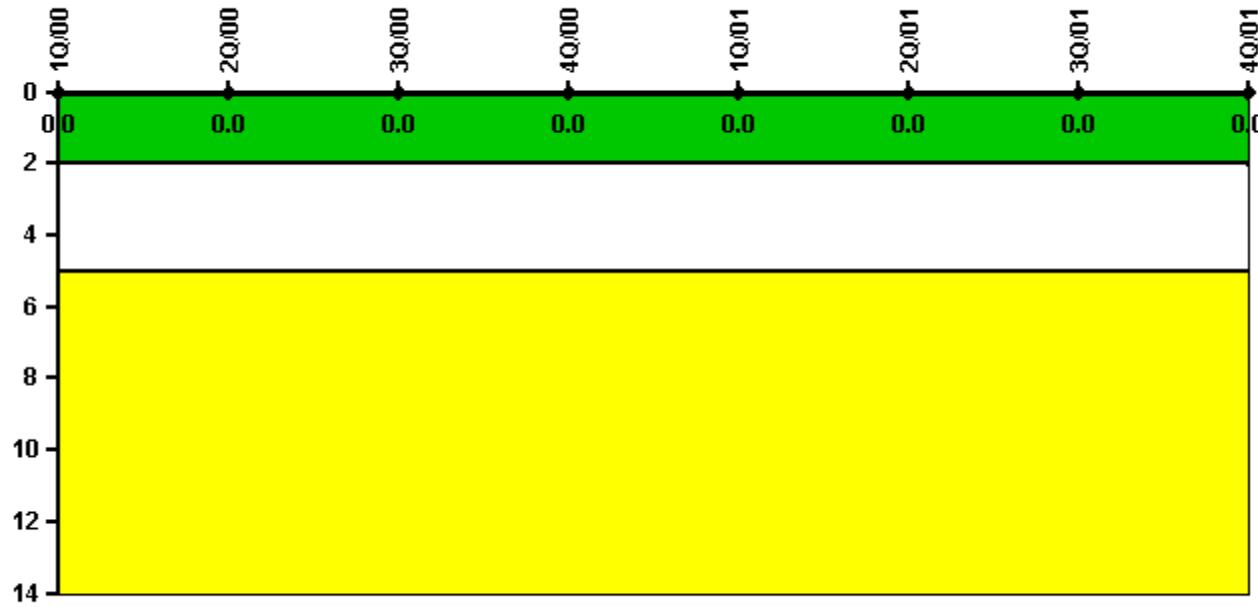


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful siren-tests	1662	1656	1749	1571	1681	1660	1652	1781
Total sirens-tests	1696	1696	1802	1590	1696	1696	1694	1802
Indicator value	97.2%	97.3%	97.5%	97.8%	98.1%	98.2%	98.3%	98.3%

Licensee Comments: none

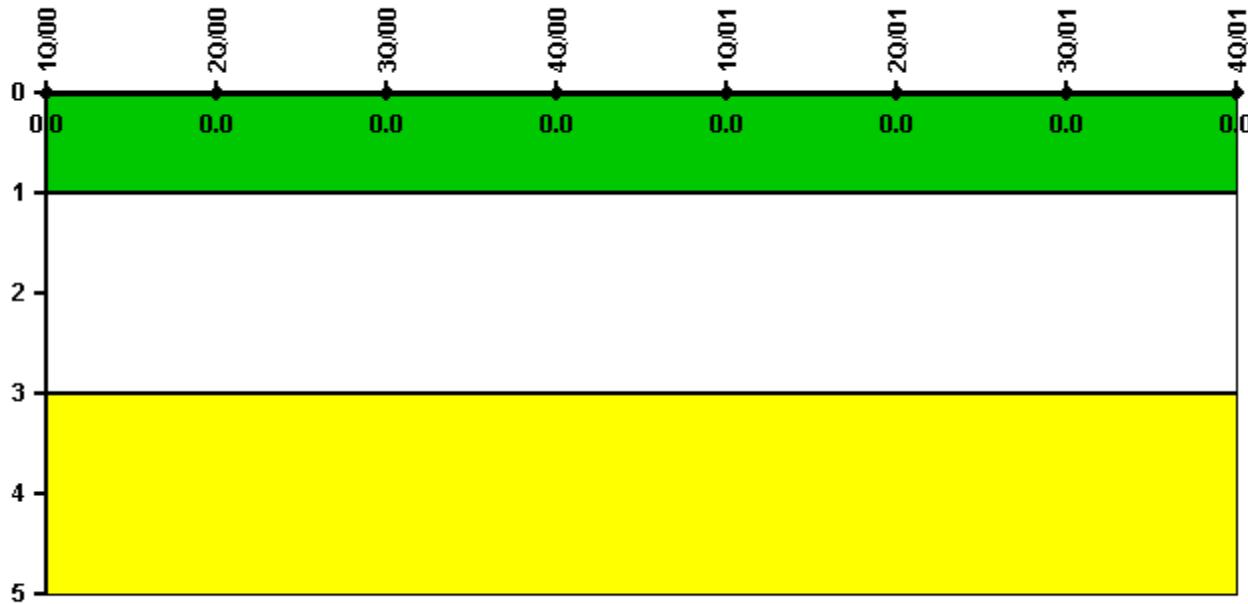
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

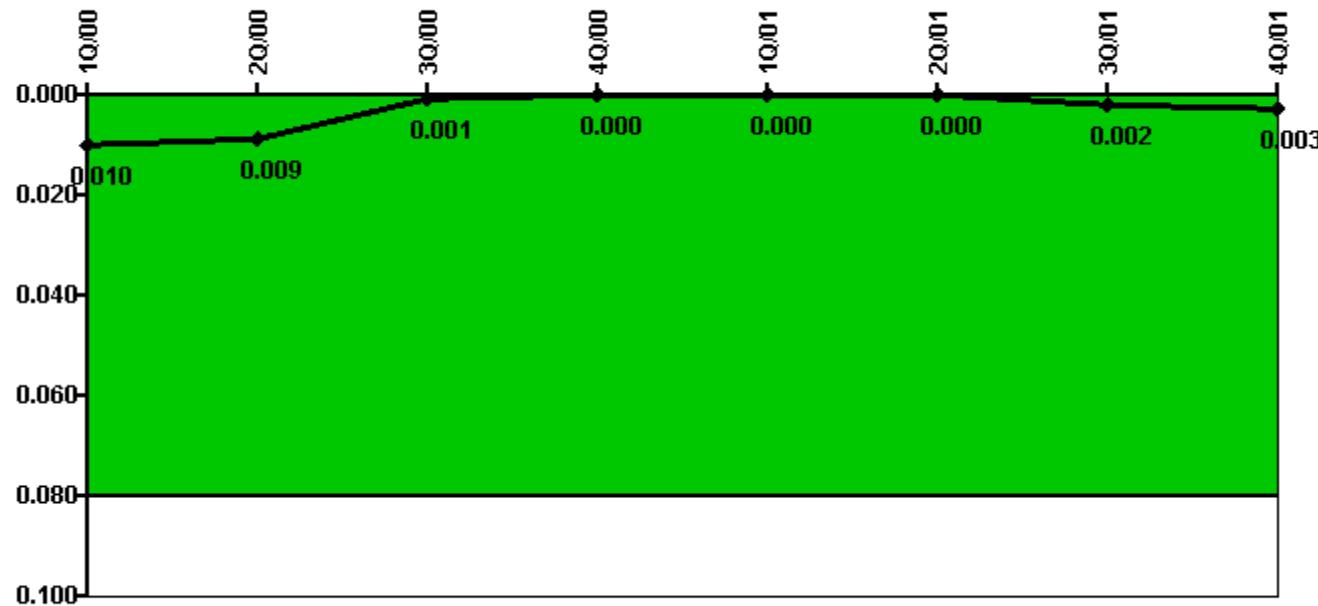
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



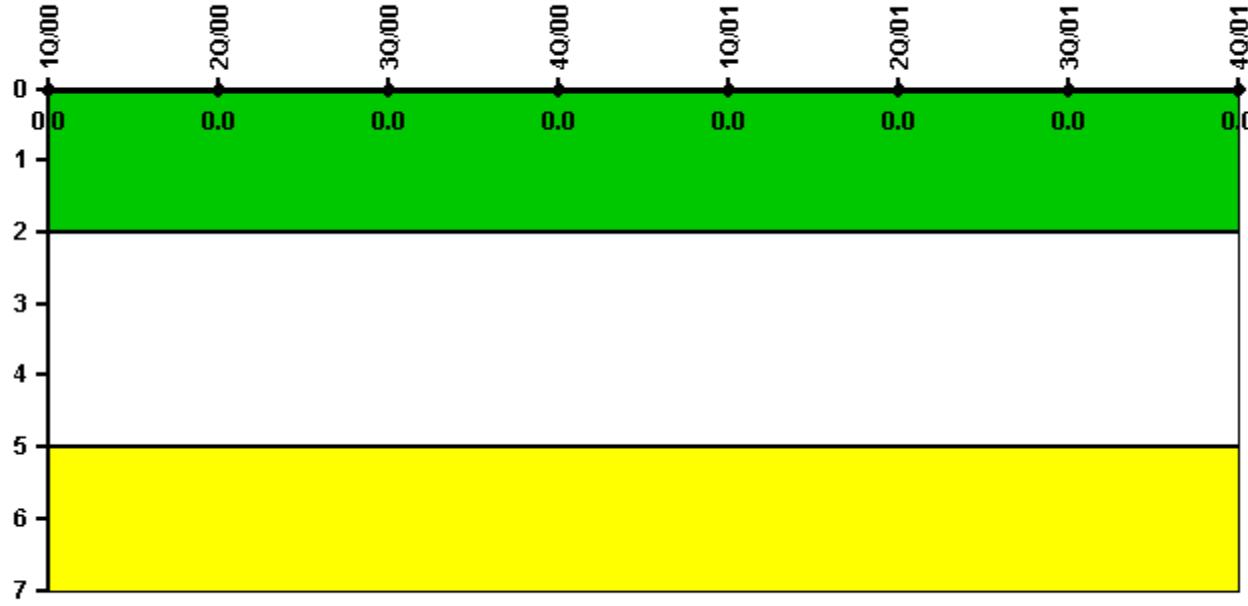
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
IDS compensatory hours	0.90	0	0	0	0	1.60	36.10	25.40
CCTV compensatory hours	0	0	0	1.1	0.4	0	0	1.9
IDS normalization factor	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.010	0.009	0.001	0	0	0	0.002	0.003

Licensee Comments: none

Personnel Screening Program

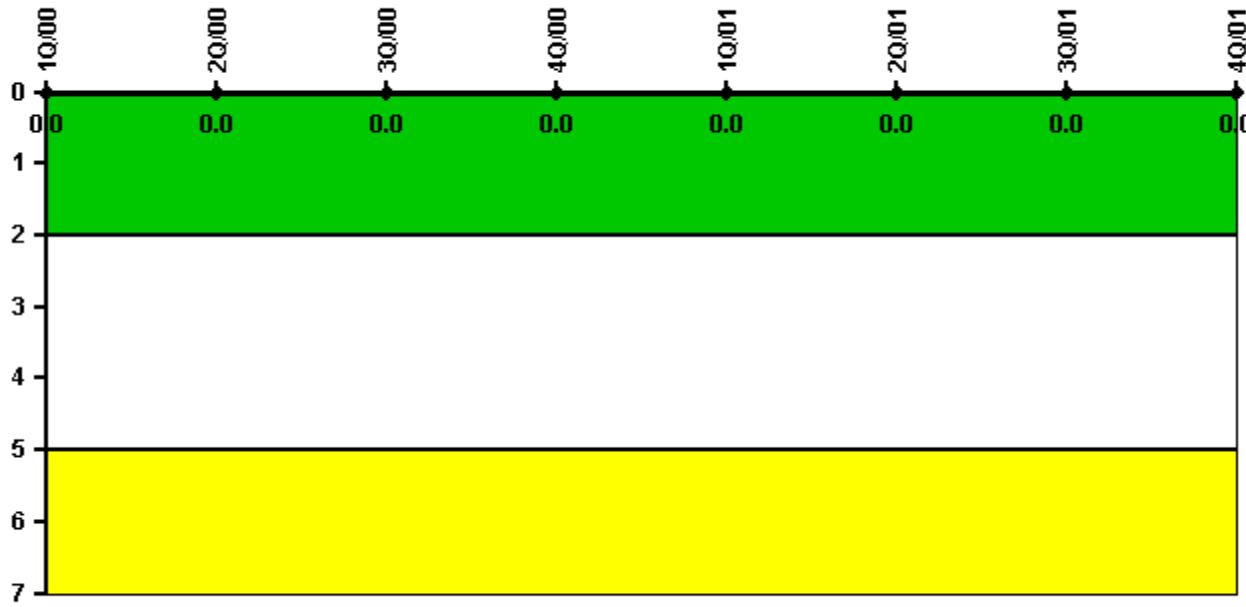


Thresholds: White > 2.0 Yellow > 5.0

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

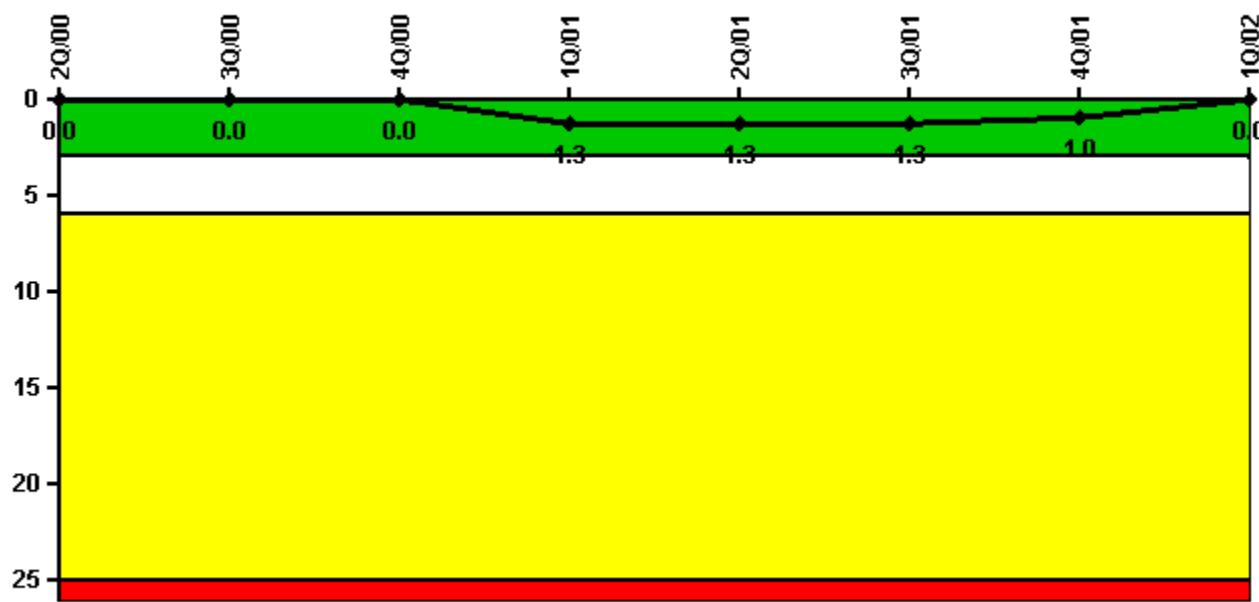


[PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 15, 2002

Summer**1Q/2002 Performance Indicators**

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

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	1.0	0	0	0	0
Critical hours	2183.0	2208.0	149.9	737.9	2183.0	2208.0	2209.0	2160.0
Indicator value	0	0	0	1.3	1.3	1.3	1.0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

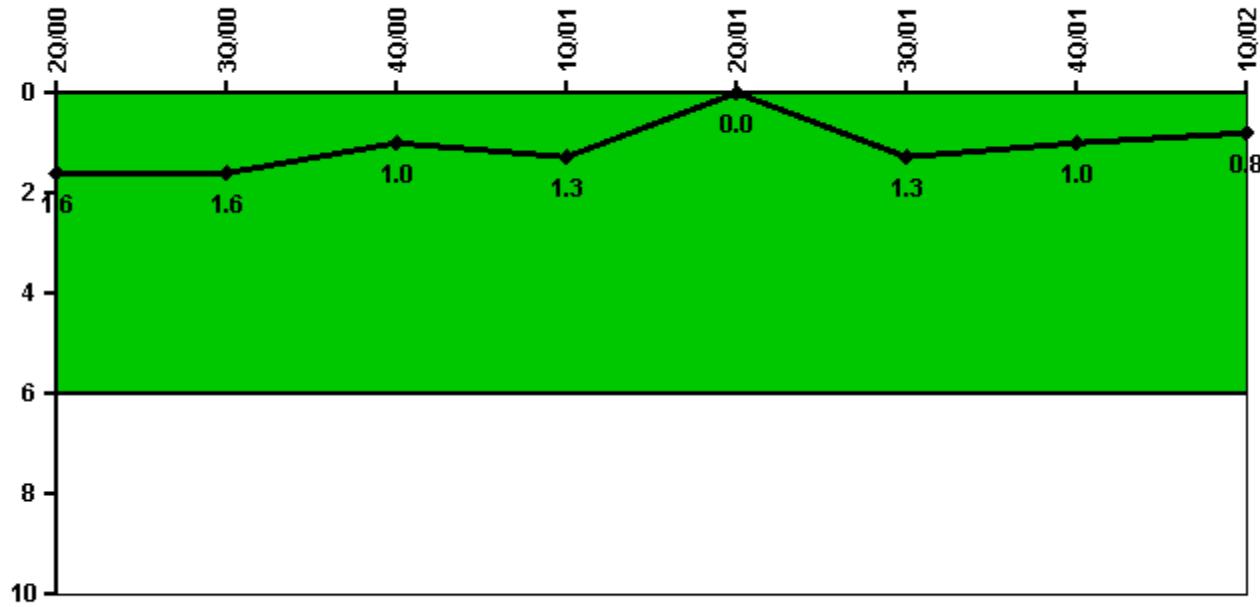
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



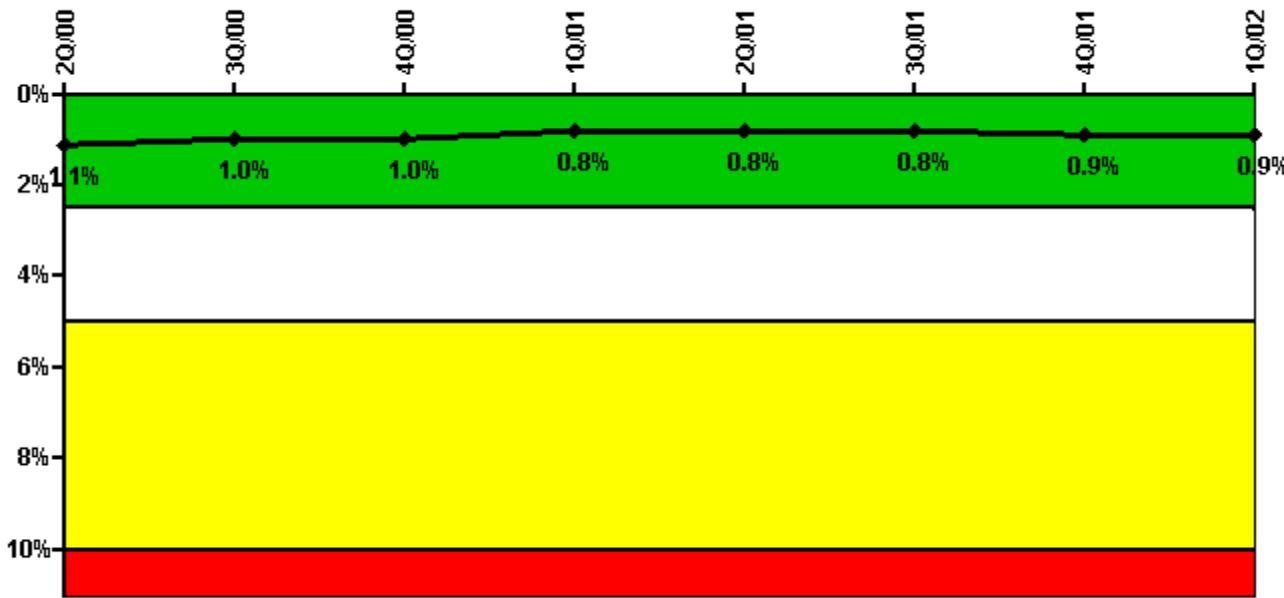
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Unplanned power changes	1.0	0	0	0	0	1.0	0	0
Critical hours	2183.0	2208.0	149.9	737.9	2183.0	2208.0	2209.0	2160.0
Indicator value	1.6	1.6	1.0	1.3	0	1.3	1.0	0.8

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



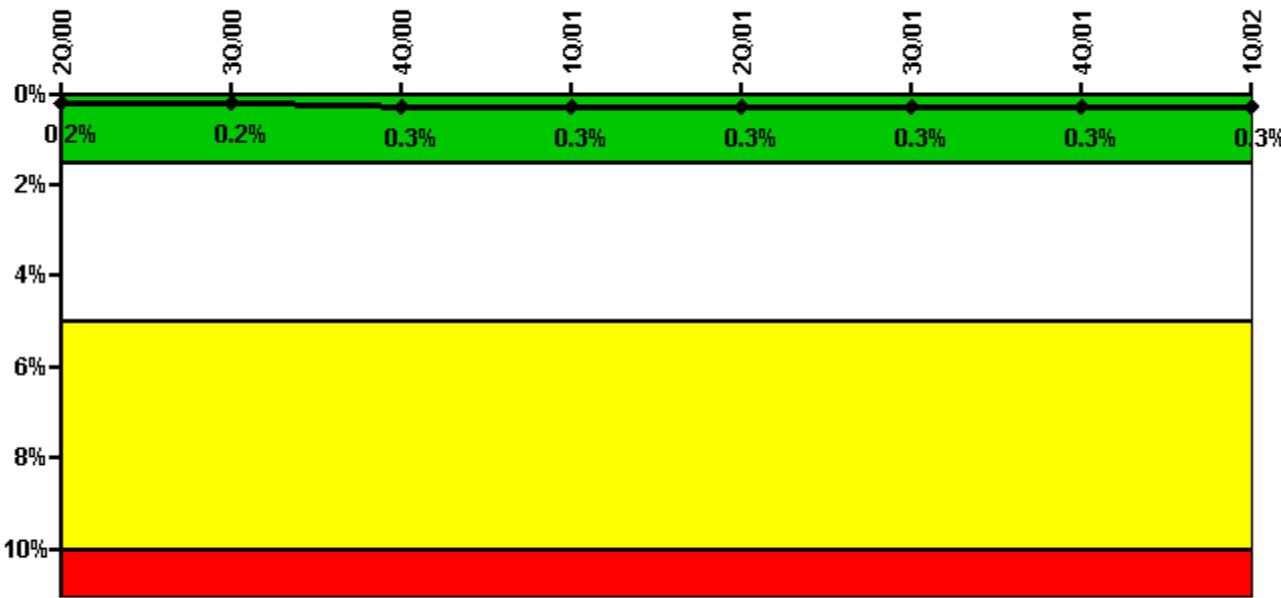
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	11.50	11.70	0	8.20	20.90	18.50	17.50	12.60
Unplanned unavailable hours	0	0	0	0	0	0	5.10	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	2183.00	2208.00	172.70	1168.40	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	25.90	16.00	0	18.70	15.40	17.50	66.10	12.90
Unplanned unavailable hours	12.30	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	406.20	894.80	2183.00	2208.00	2209.00	2160.00
Indicator value	1.1%	1.0%	1.0%	0.8%	0.8%	0.8%	0.9%	0.9%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



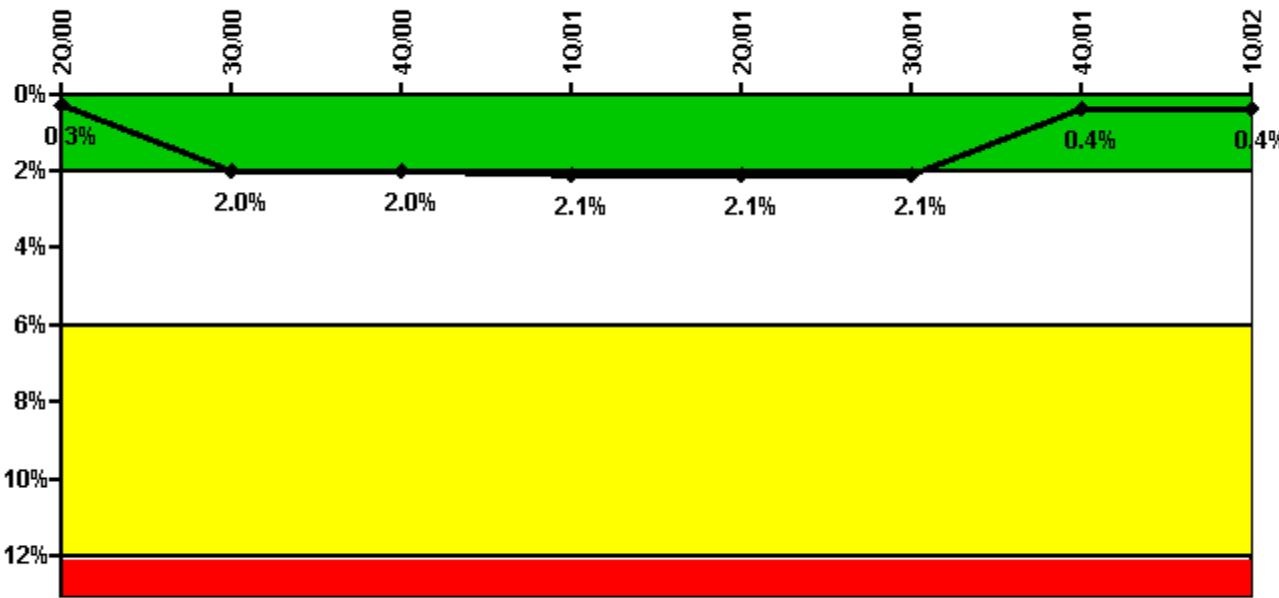
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	3.25	3.50	0	0	0.25	0.25	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	2183.00	2208.00	149.90	737.90	2140.50	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	3.25	3.25	0	0	0.25	0.50	0.25	0.50
Unplanned unavailable hours	21.30	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	149.90	737.90	2140.50	2208.00	2209.00	2160.00
Indicator value	0.2%	0.2%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



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

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	2.00	30.80	0	0	8.20	20.30	23.30	9.50
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	149.90	737.90	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	15.80	6.00	0	0	7.80	18.50	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	149.90	737.90	2183.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	7.50	0	0	0	9.10	0	16.30	11.20
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	1157.00	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	1157.00	0
Required hours	2183.00	2208.00	149.90	737.90	2183.00	2208.00	2209.00	2160.00
Indicator value	0.3%	2.0%	2.0%	2.1%	2.1%	2.1%	0.4%	0.4%

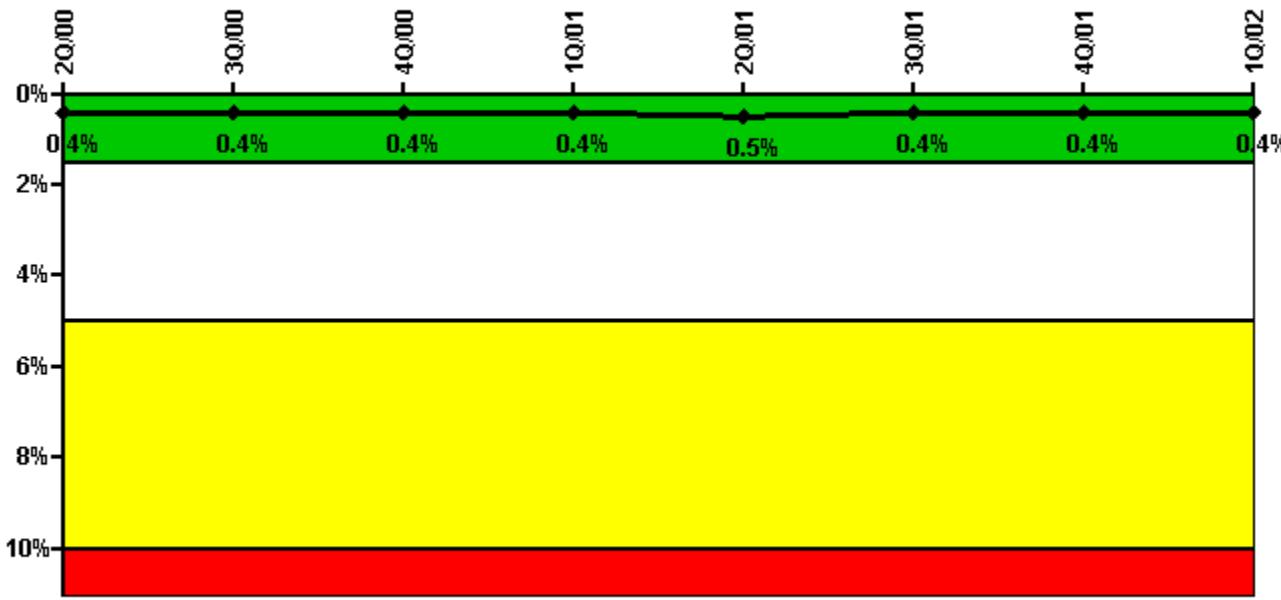
Licensee Comments: none

Effective Reset Comments:

4Q/01: Fault exposure hours for Train 3 are being reset to zero. All the criteria has been met to reset the hours to zero.

4Q/01: Fault exposure hours for Train 3 are being reset to zero. All the criteria has been met to reset the hours to zero.

Safety System Unavailability, Residual Heat Removal System

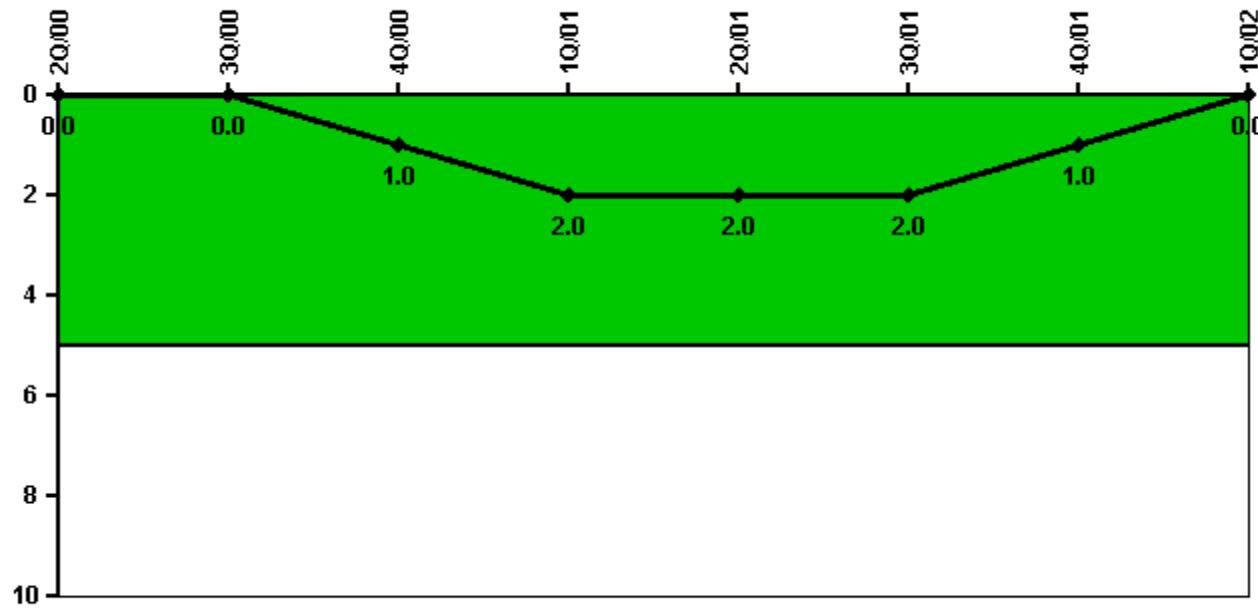


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	0.25	9.30	0	0	13.50	12.50	8.10	15.70
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	356.30	1168.40	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0.25	12.00	0	0.25	14.70	0	10.00	11.40
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	2183.00	2208.00	406.20	1168.40	2183.00	2208.00	2209.00	2160.00
Indicator value	0.4%	0.4%	0.4%	0.4%	0.4%	0.5%	0.4%	0.4%

Licensee Comments: none

Safety System Functional Failures (PWR)

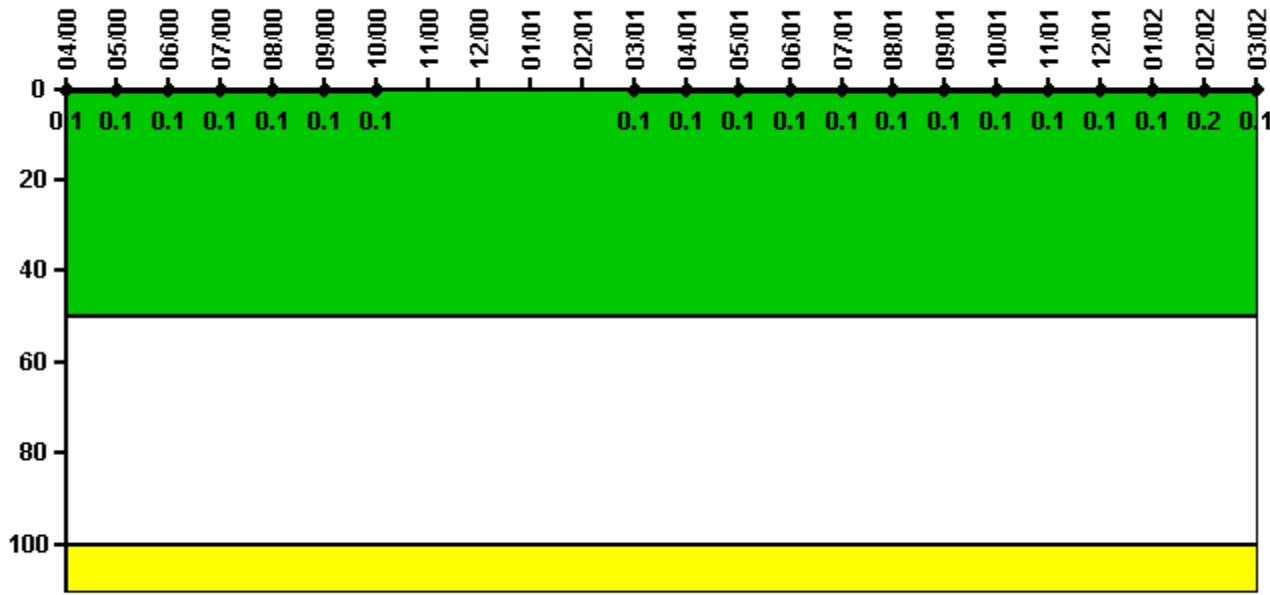
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



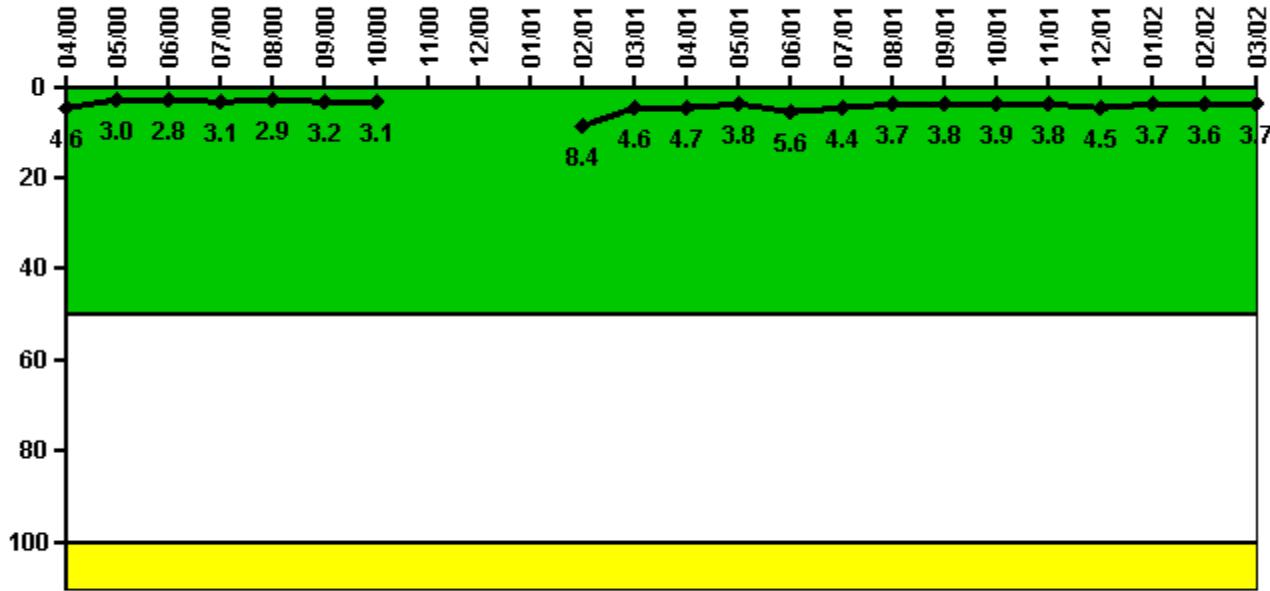
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.000504	0.000440	0.000453	0.000538	0.000467	0.000444	0.000411	N/A	N/A	N/A	N/A	0.000245
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	N/A	N/A	N/A	N/A	0.1						
Reactor Coolant System Activity	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum activity	0.000281	0.000276	0.000275	0.000290	0.000362	0.000314	0.000340	0.000341	0.000360	0.000363	0.000680	0.000384
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.2	0.1									

Licensee Comments: none

Reactor Coolant System Leakage



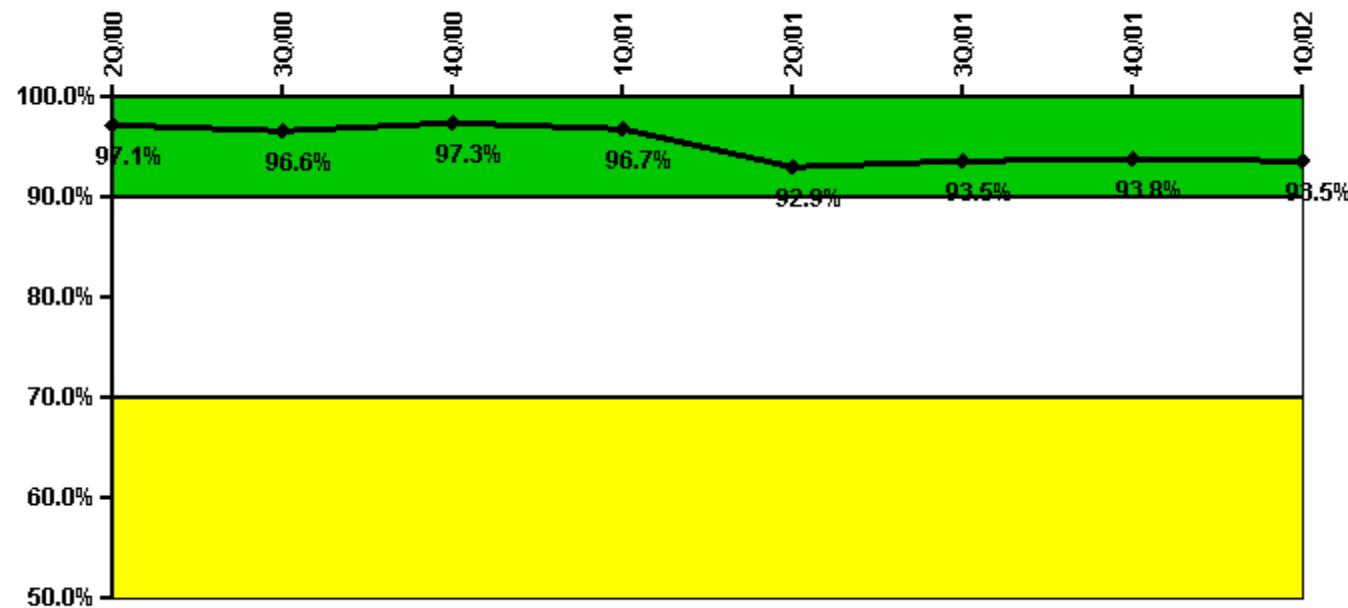
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0.460	0.300	0.280	0.310	0.290	0.320	0.310	N/A	N/A	N/A	0.840	0.460
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	4.6	3.0	2.8	3.1	2.9	3.2	3.1	N/A	N/A	N/A	8.4	4.6
Reactor Coolant System Leakage	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum leakage	0.470	0.380	0.560	0.440	0.370	0.380	0.390	0.380	0.450	0.370	0.360	0.370
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	4.7	3.8	5.6	4.4	3.7	3.8	3.9	3.8	4.5	3.7	3.6	3.7

Licensee Comments: none

Drill/Exercise Performance



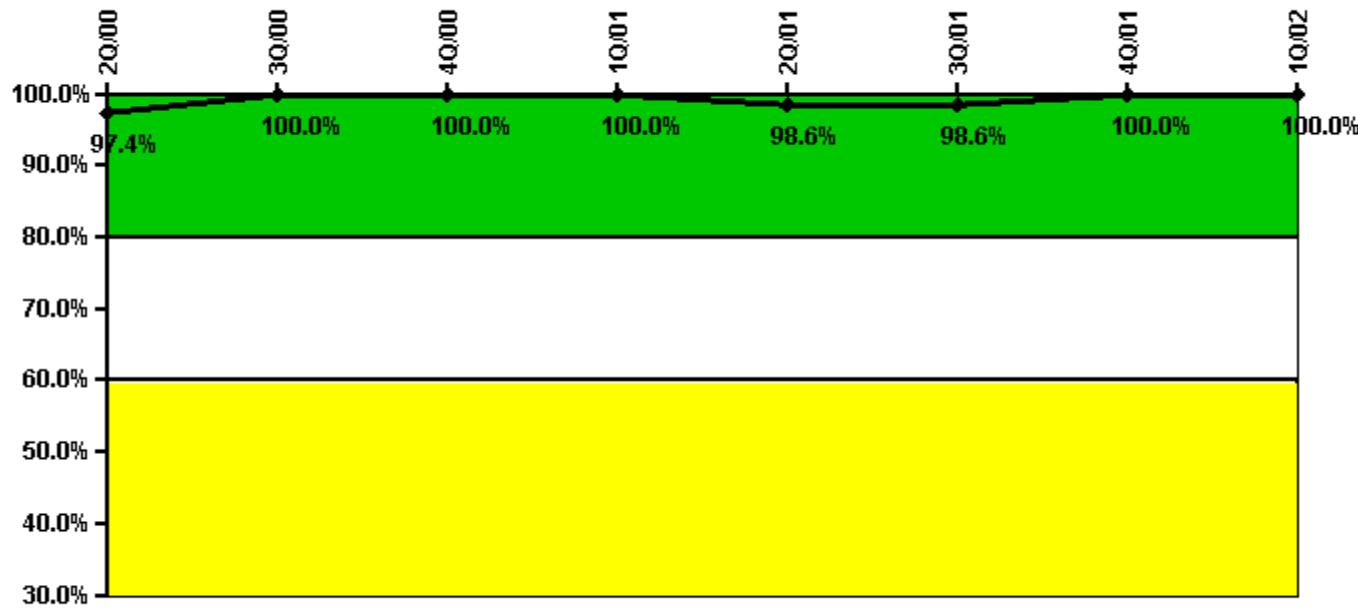
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful opportunities	16.0	13.0	0	10.0	32.0	28.0	29.0	29.0
Total opportunities	18.0	14.0	0	11.0	39.0	28.0	29.0	29.0
Indicator value	97.1%	96.6%	97.3%	96.7%	92.9%	93.5%	93.8%	93.5%

Licensee Comments: none

ERO Drill Participation

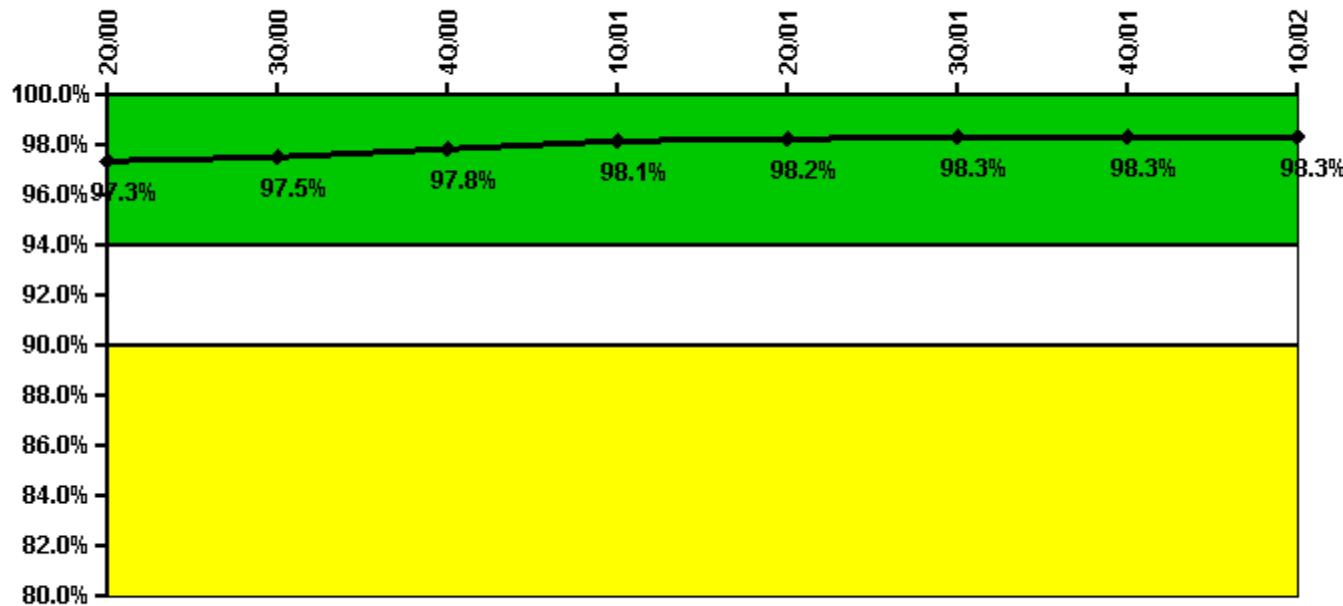


Notes

ERO Drill Participation	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Participating Key personnel	74.0	77.0	74.0	70.0	70.0	69.0	72.0	74.0
Total Key personnel	76.0	77.0	74.0	70.0	71.0	70.0	72.0	74.0
Indicator value	97.4%	100.0%	100.0%	100.0%	98.6%	98.6%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System

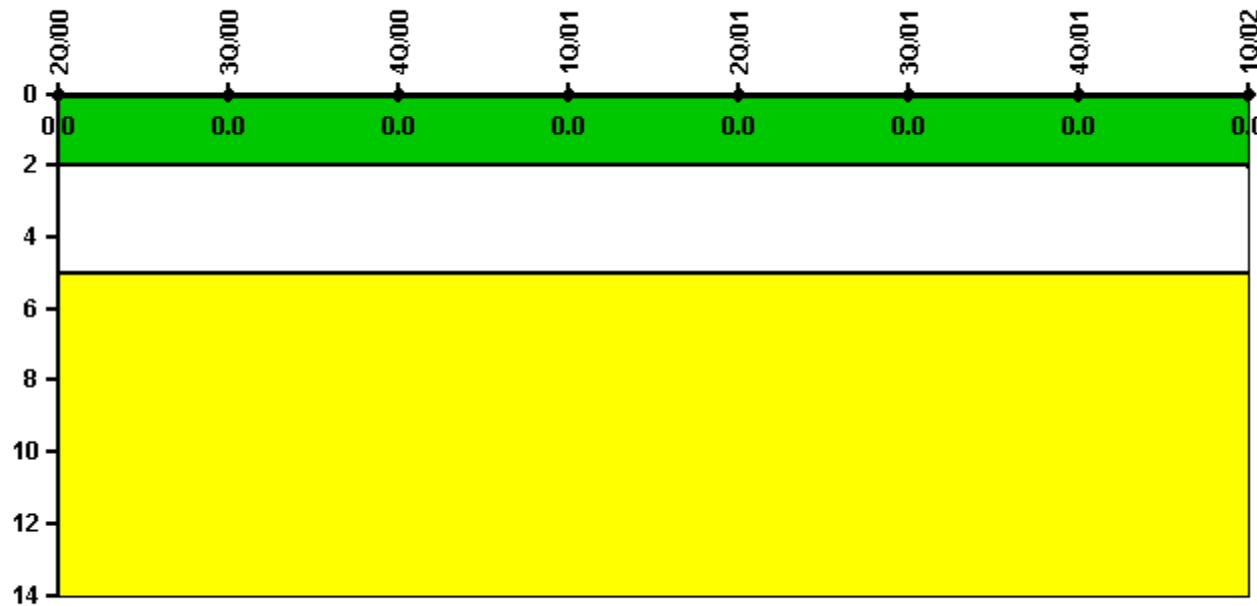


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful siren-tests	1656	1749	1571	1681	1660	1652	1781	1572
Total sirens-tests	1696	1802	1590	1696	1696	1694	1802	1590
Indicator value	97.3%	97.5%	97.8%	98.1%	98.2%	98.3%	98.3%	98.3%

Licensee Comments: none

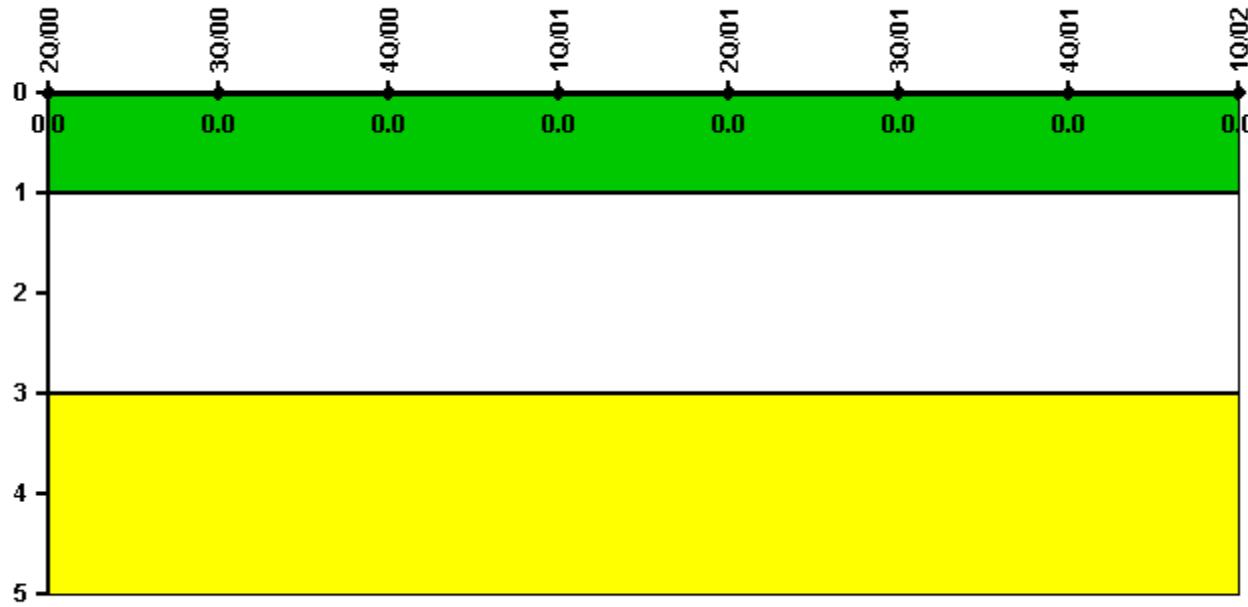
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

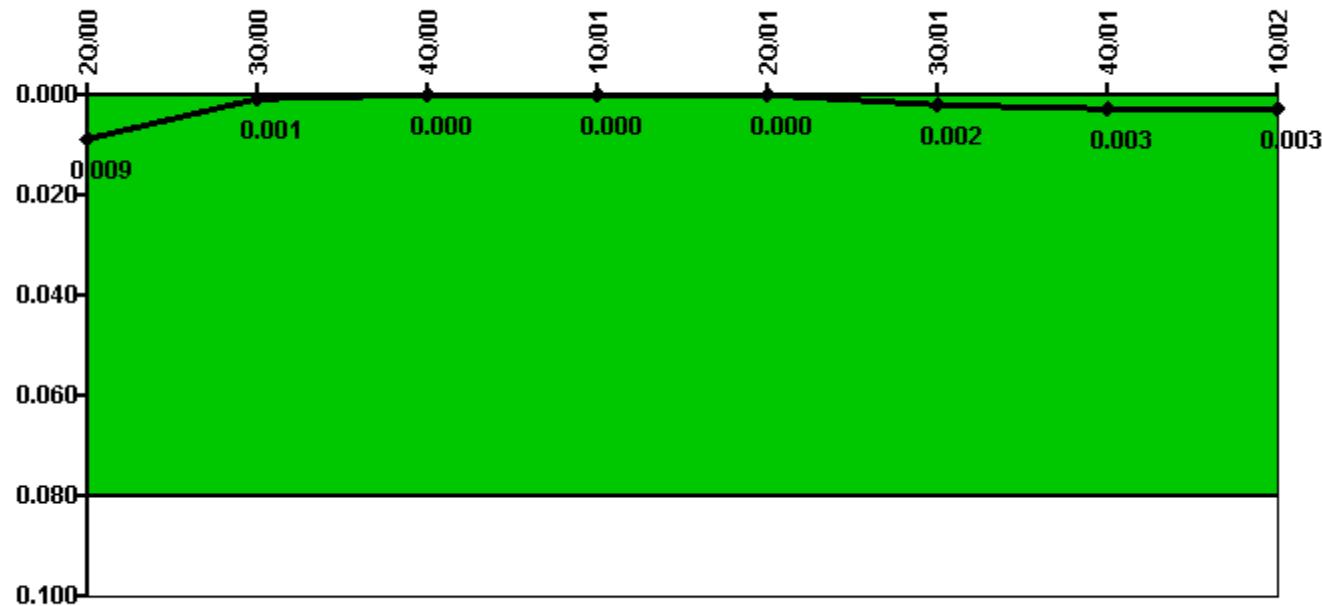
Thresholds: White > 1.0 Yellow > 3.0

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



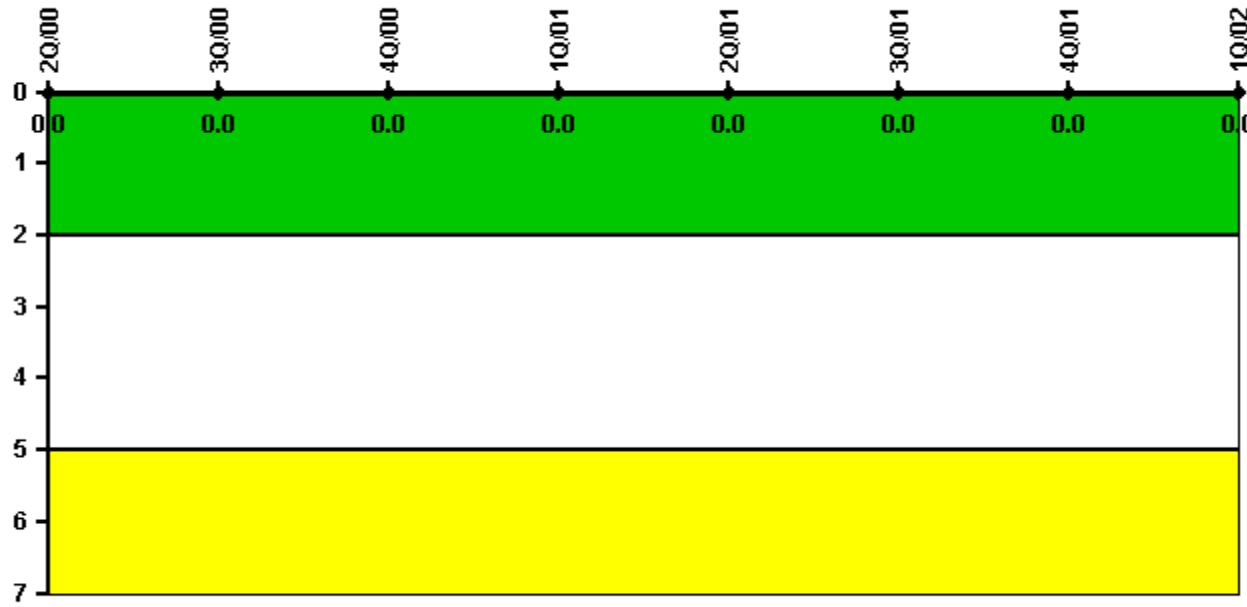
Thresholds: White > 0.080

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	0	0	0	0	1.60	36.10	25.40	1.00
CCTV compensatory hours	0	0	1.1	0.4	0	0	1.9	0
IDS normalization factor	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.009	0.001	0	0	0	0.002	0.003	0.003

Licensee Comments: none

Personnel Screening Program

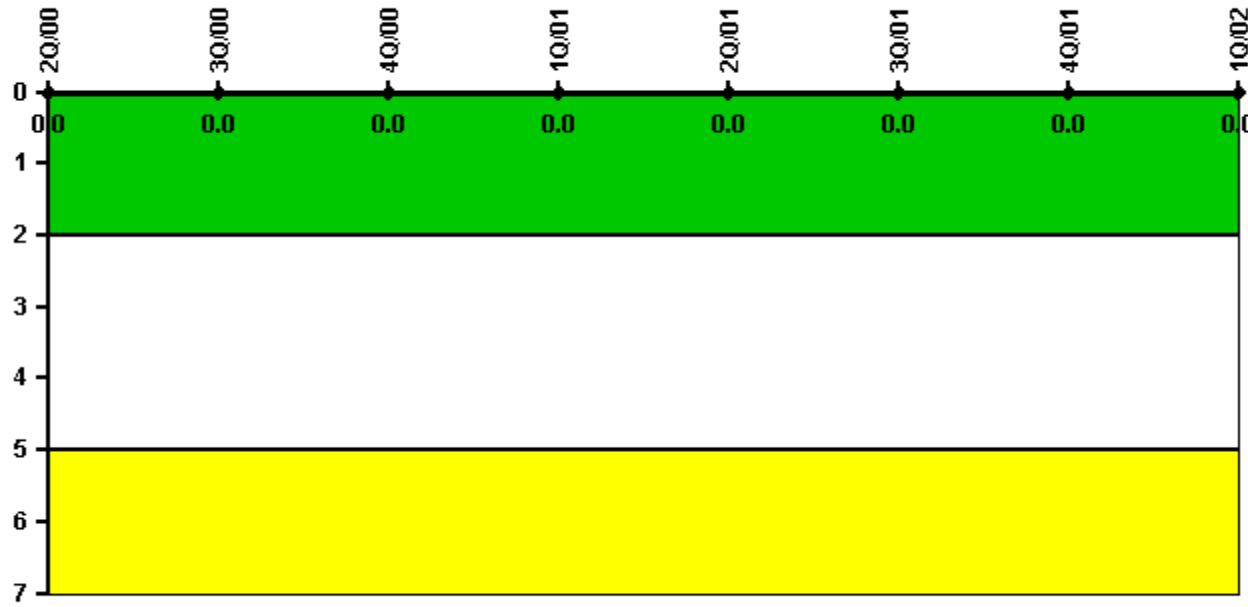


Thresholds: White > 2.0 Yellow > 5.0

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](#)

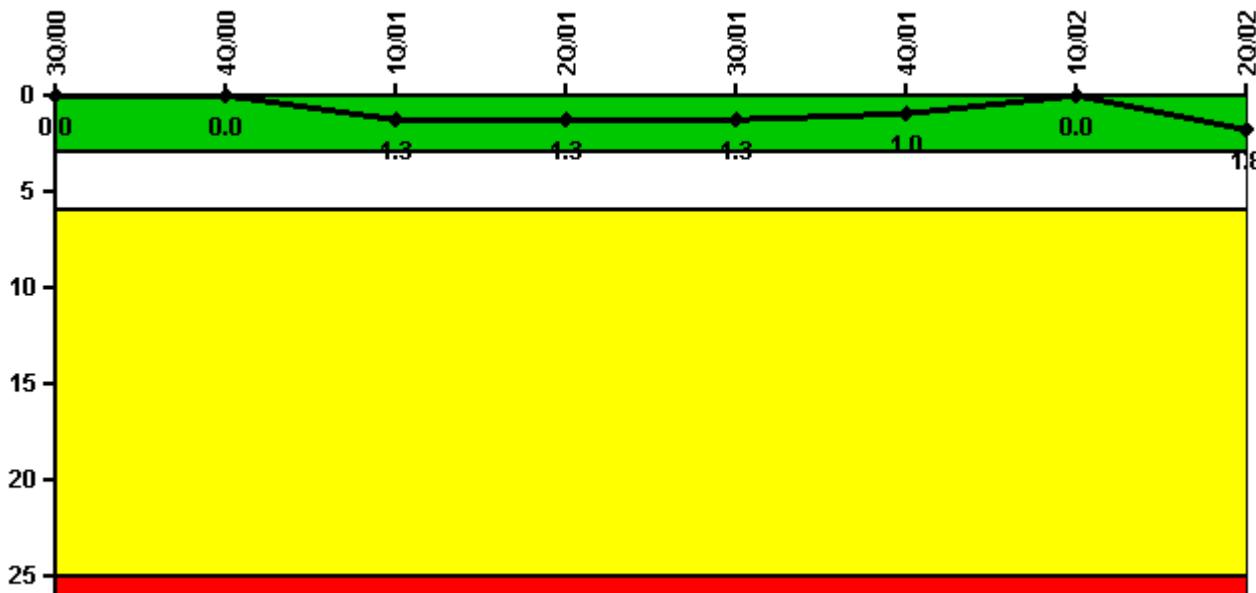
Last Modified: May 1, 2002

Summer

2Q/2002 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



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	1.0	0	0	0	0	2.0
Critical hours	2208.0	149.9	737.9	2183.0	2208.0	2209.0	2160.0	1123.0
Indicator value	0	0	1.3	1.3	1.3	1.0	0	1.8

Licensee Comments:

2Q/02: Plant shutdown from 4/20/02 @ 0012 until 6/1/02 @ 0246 for refueling outage. On 6/1/02 the reactor automatically tripped due to spike in intermediate range nuclear instrumentation channel NI 36. On 6/17/02 @ 1902 the reactor tripped on lo-lo level in the A Steam Generator.

Scrams with Loss of Normal Heat Removal

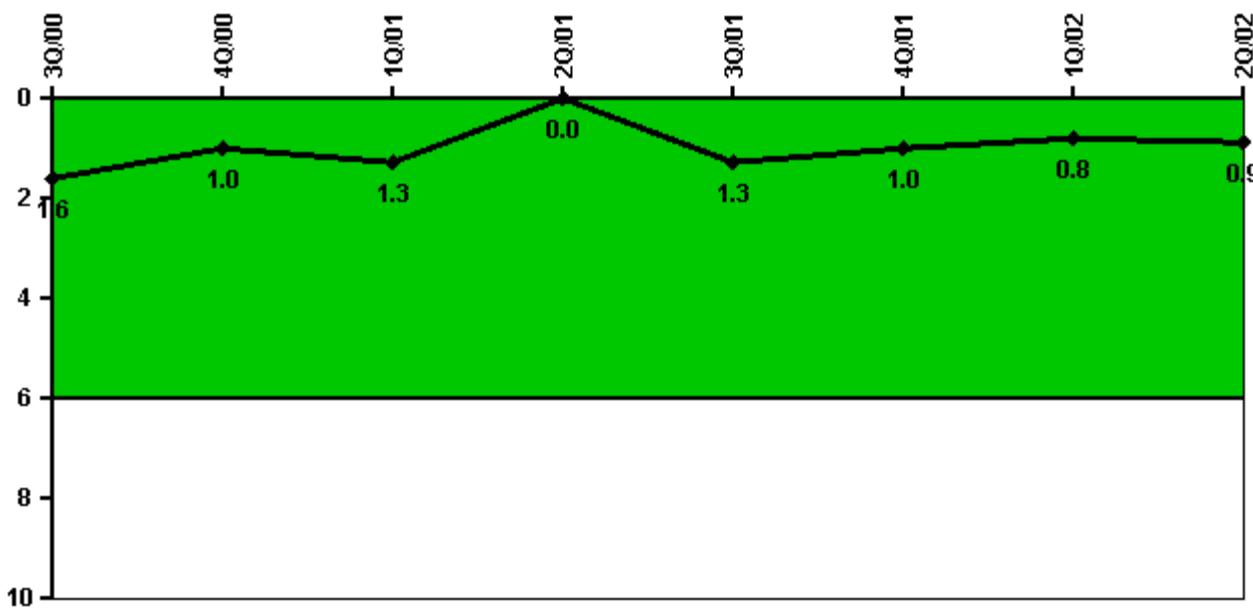
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

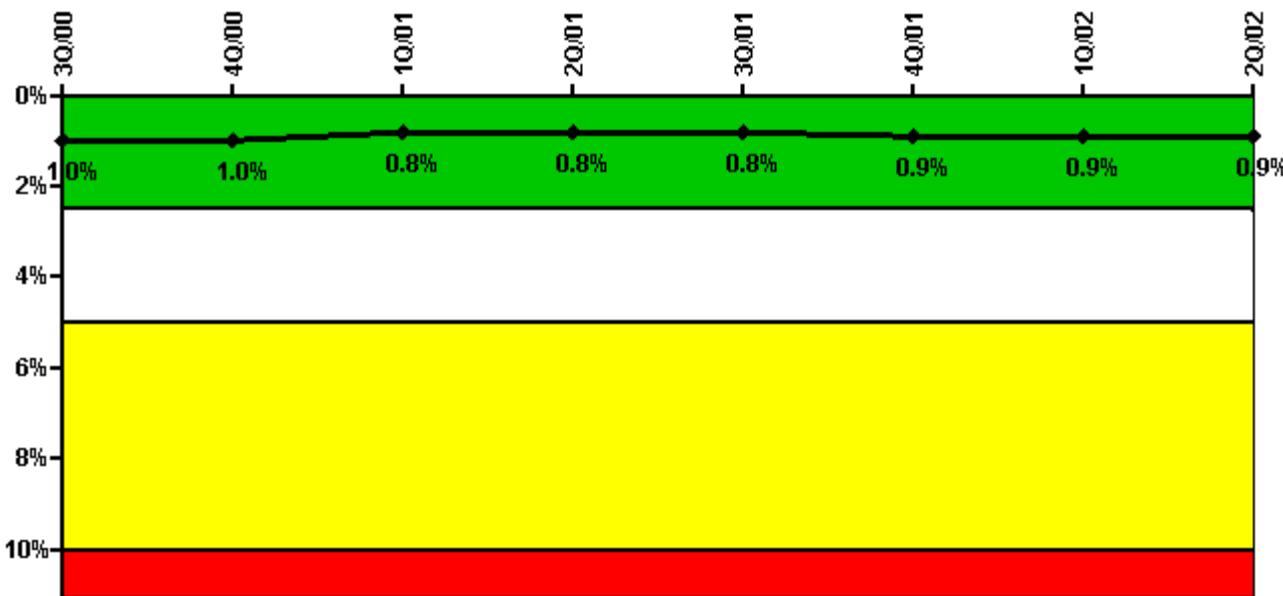
Notes

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	1.0	0	0	0
Critical hours	2208.0	149.9	737.9	2183.0	2208.0	2209.0	2160.0	1123.0
Indicator value	1.6	1.0	1.3	0	1.3	1.0	0.8	0.9

Licensee Comments:

2Q/02: Plant shutdown from 4/20/02 @ 0012 until 6/1/02 @ 0246 for refueling outage. On 6/1/02 the reactor automatically tripped due to spike in intermediate range nuclear instrumentation channel NI 36. On 6/17/02 @ 1902 the reactor tripped on lo-lo level in the A Steam Generator.

Safety System Unavailability, Emergency AC Power



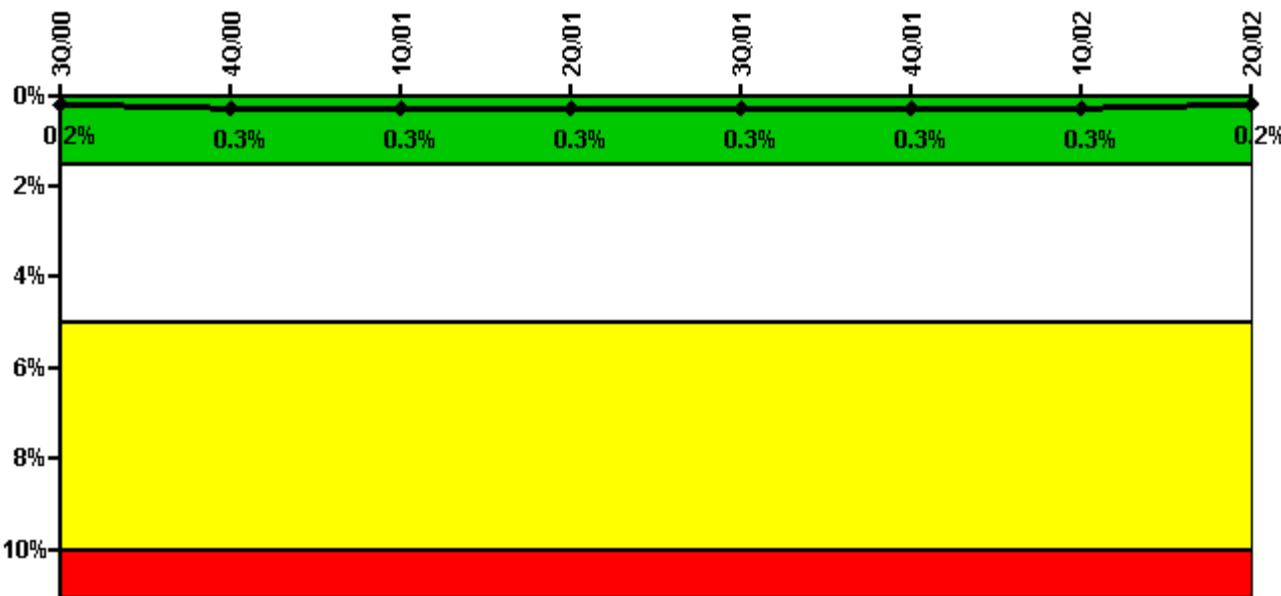
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	11.70	0	8.20	20.90	18.50	17.50	12.60	0.40
Unplanned unavailable hours	0	0	0	0	0	5.10	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	172.70	1168.40	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	16.00	0	18.70	15.40	17.50	66.10	12.90	0.40
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	406.20	894.80	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	1.0%	1.0%	0.8%	0.8%	0.8%	0.9%	0.9%	0.9%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



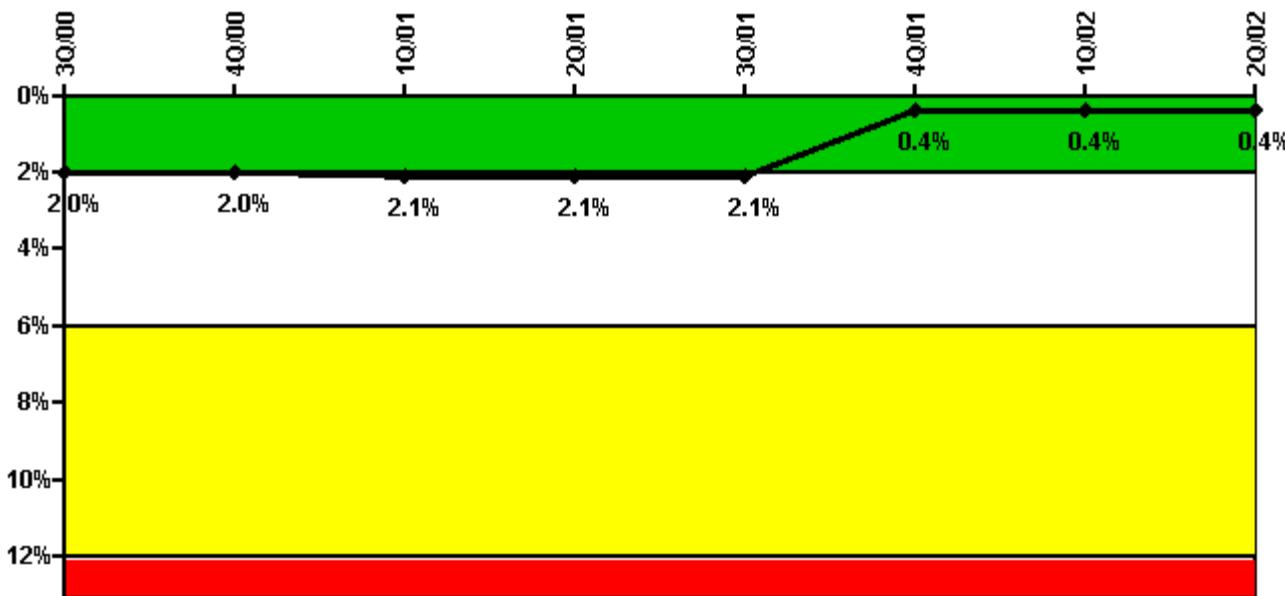
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	3.50	0	0	0.25	0.25	0.50	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	149.90	737.90	2140.50	2208.00	2209.00	2160.00	1123.00
Train 2								
Planned unavailable hours	3.25	0	0	0.25	0.50	0.25	0.50	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	149.90	737.90	2140.50	2208.00	2209.00	2160.00	1123.00
Indicator value	0.2%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.2%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



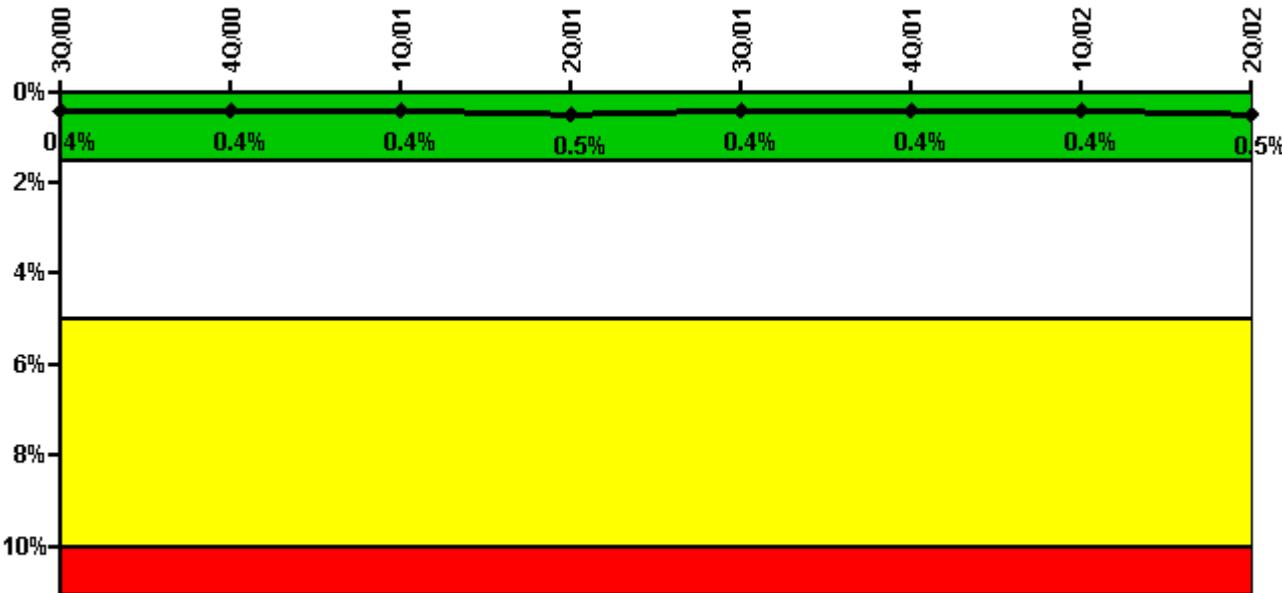
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	30.80	0	0	8.20	20.30	23.30	9.50	3.30
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	149.90	737.90	2183.00	2208.00	2209.00	2160.00	1123.00
Train 2								
Planned unavailable hours	6.00	0	0	7.80	18.50	0	0	14.50
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	149.90	737.90	2183.00	2208.00	2209.00	2160.00	1123.00
Train 3								
Planned unavailable hours	0	0	0	9.10	0	16.30	11.20	18.60
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	1157.00	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	1157.00	0	0
Required hours	2208.00	149.90	737.90	2183.00	2208.00	2209.00	2160.00	1123.00
Indicator value	2.0%	2.0%	2.1%	2.1%	2.1%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

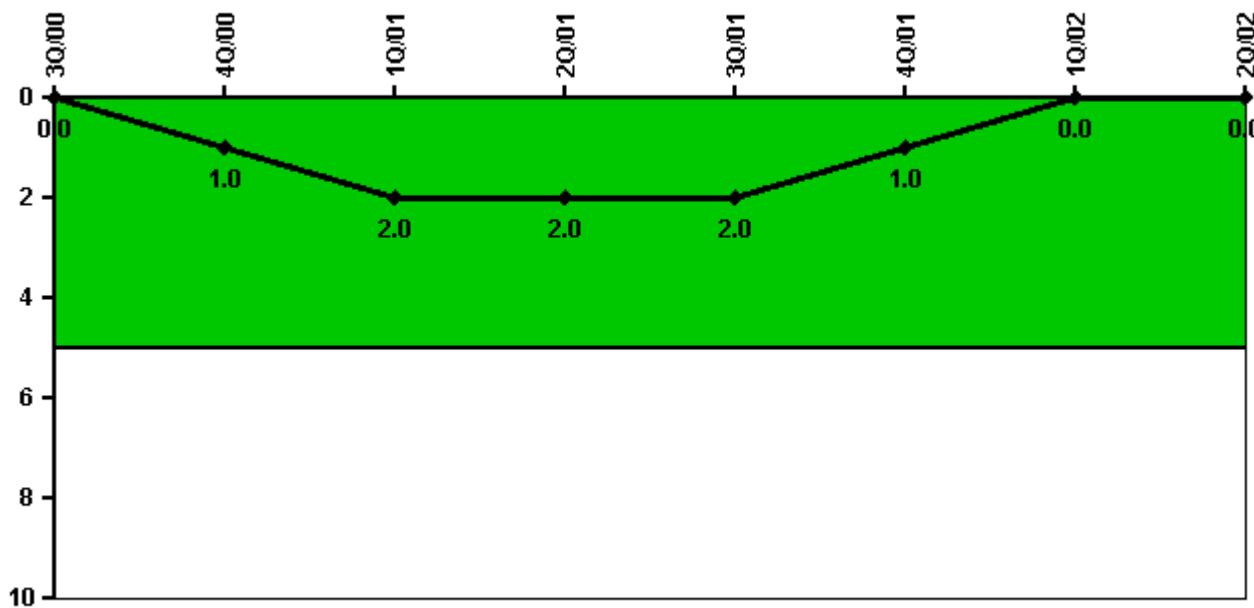


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	9.30	0	0	13.50	12.50	8.10	15.70	35.10
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	356.30	1168.40	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	12.00	0	0.25	14.70	0	10.00	11.40	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	406.20	1168.40	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	0.4%	0.4%	0.4%	0.5%	0.4%	0.4%	0.4%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)

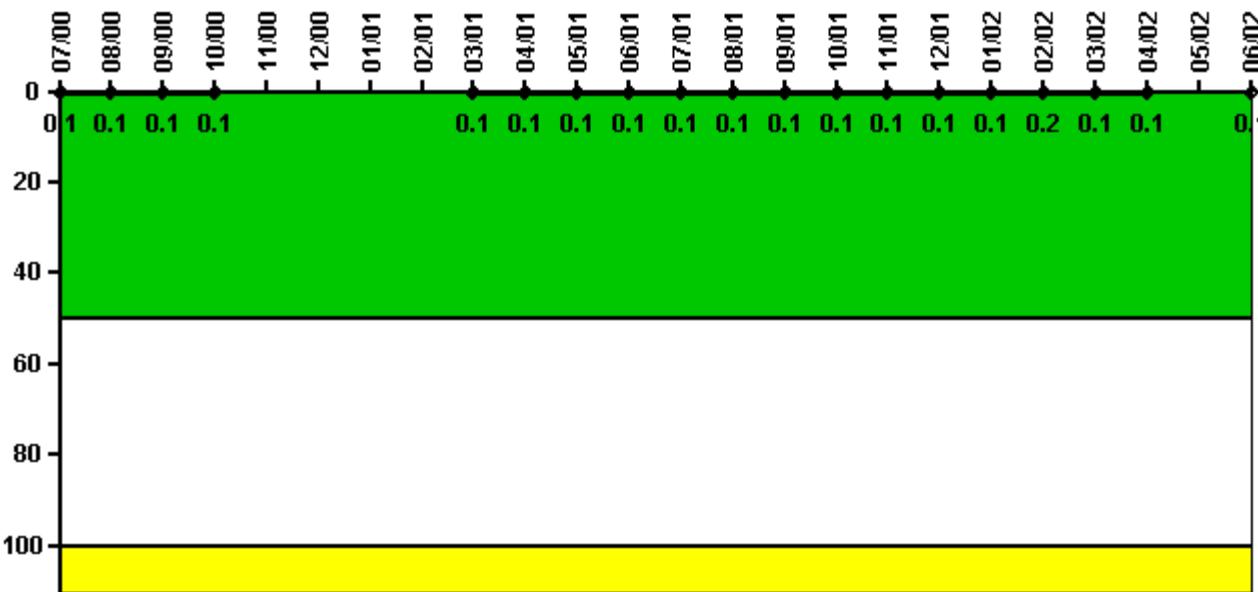
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

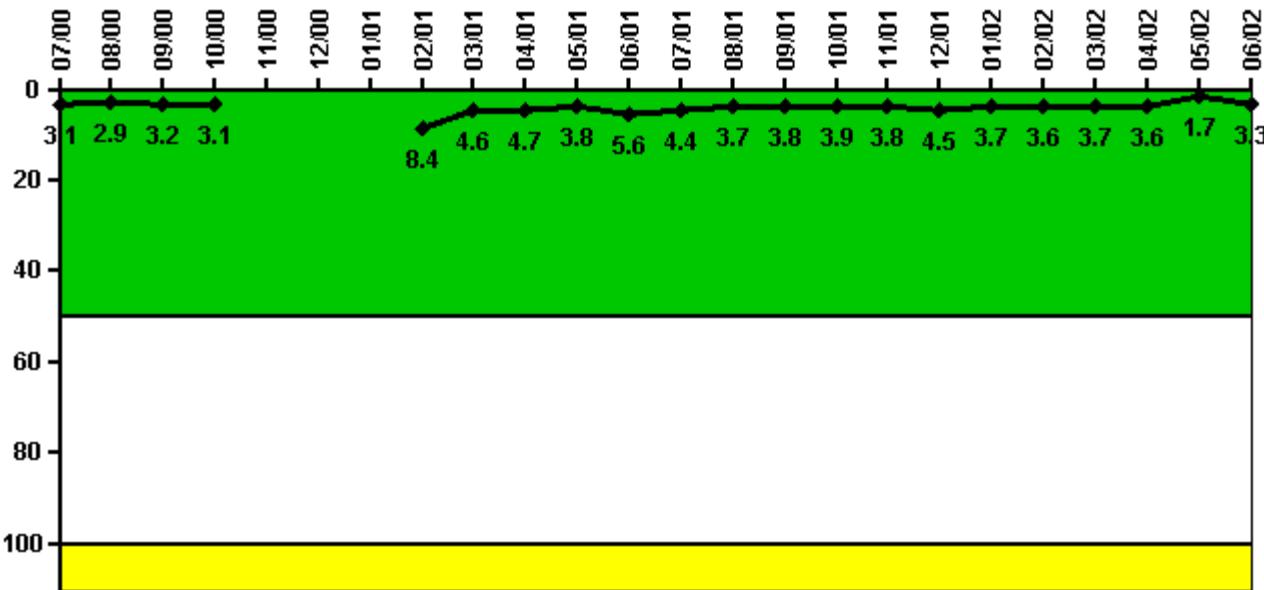
Notes

Reactor Coolant System Activity		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		0.000538	0.000467	0.000444	0.000411	N/A	N/A	N/A	N/A	0.000245	0.000281	0.000276	0.000275
Technical specification limit		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value		0.1	0.1	0.1	0.1	N/A	N/A	N/A	N/A	0.1	0.1	0.1	0.1
Reactor Coolant System Activity		7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum activity		0.000290	0.000362	0.000314	0.000340	0.000341	0.000360	0.000363	0.000680	0.000384	0.000386	N/A	0.000216
Technical specification limit		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value		0.1	0.2	0.1	0.1	N/A	0.1						

Licensee Comments:

6/02: No data available for May 2002 due to plant shutdown on 4/20/02 for refueling outage.

Reactor Coolant System Leakage

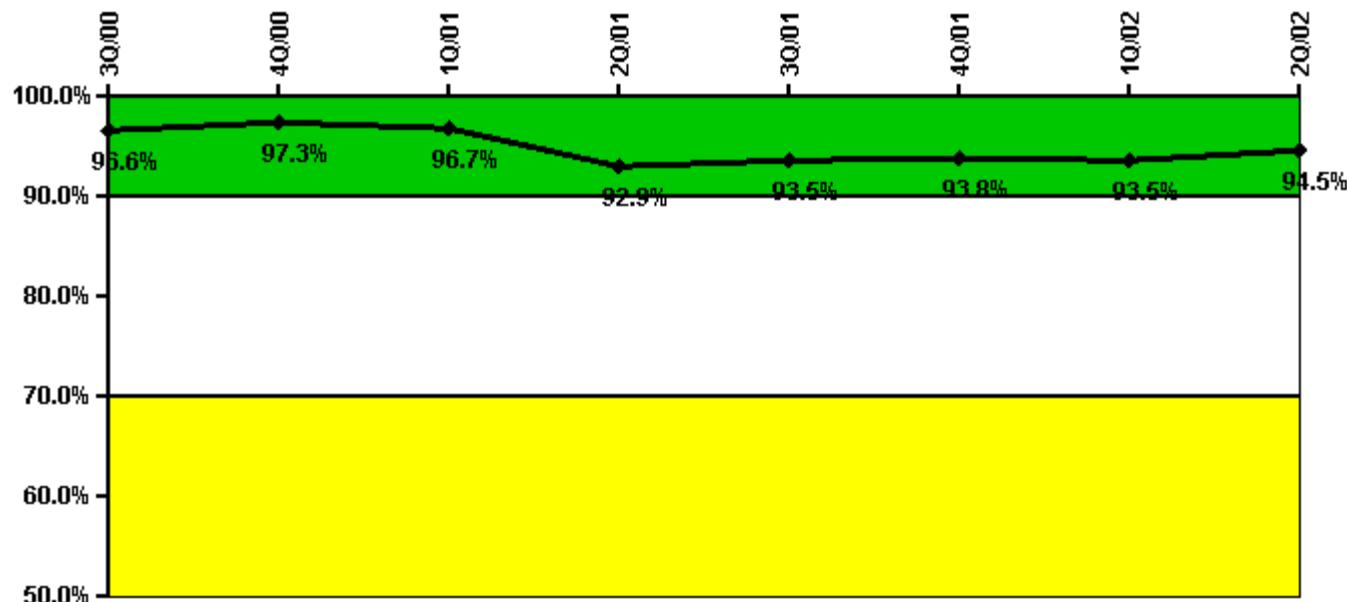


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	0.310	0.290	0.320	0.310	N/A	N/A	N/A	0.840	0.460	0.470	0.380	0.560
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	3.1	2.9	3.2	3.1	N/A	N/A	N/A	8.4	4.6	4.7	3.8	5.6
Reactor Coolant System Leakage	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum leakage	0.440	0.370	0.380	0.390	0.380	0.450	0.370	0.360	0.370	0.360	0.170	0.330
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	4.4	3.7	3.8	3.9	3.8	4.5	3.7	3.6	3.7	3.6	1.7	3.3

Licensee Comments: none

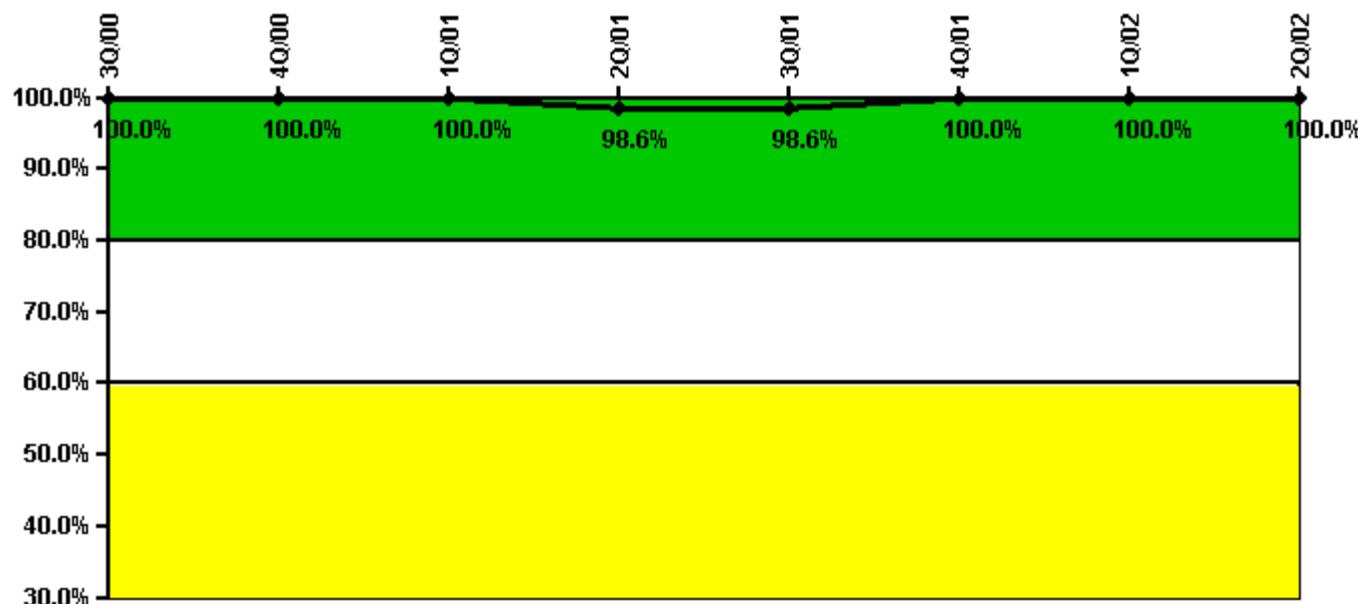
Drill/Exercise Performance

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	13.0	0	10.0	32.0	28.0	29.0	29.0	15.0
Total opportunities	14.0	0	11.0	39.0	28.0	29.0	29.0	15.0
Indicator value	96.6%	97.3%	96.7%	92.9%	93.5%	93.8%	93.5%	94.5%

Licensee Comments: none

ERO Drill Participation

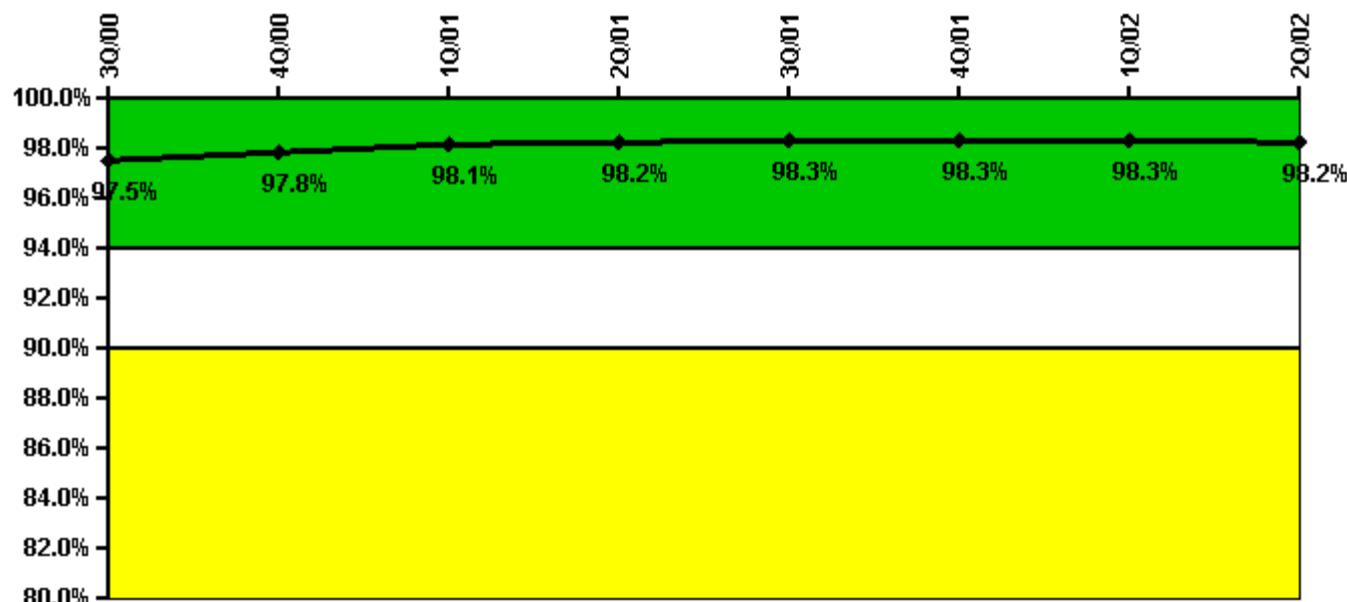
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Participating Key personnel	77.0	74.0	70.0	70.0	69.0	72.0	74.0	69.0
Total Key personnel	77.0	74.0	70.0	71.0	70.0	72.0	74.0	69.0
Indicator value	100.0%	100.0%	100.0%	98.6%	98.6%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System

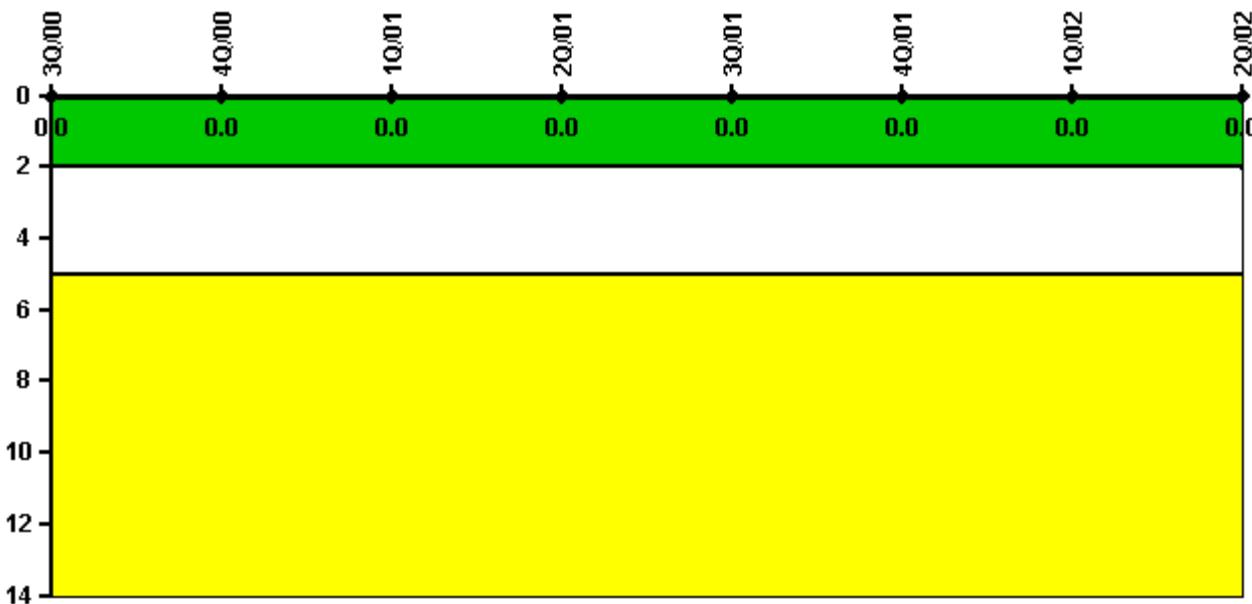


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful siren-tests	1749	1571	1681	1660	1652	1781	1572	1658
Total sirens-tests	1802	1590	1696	1696	1694	1802	1590	1696
Indicator value	97.5%	97.8%	98.1%	98.2%	98.3%	98.3%	98.3%	98.2%

Licensee Comments: none

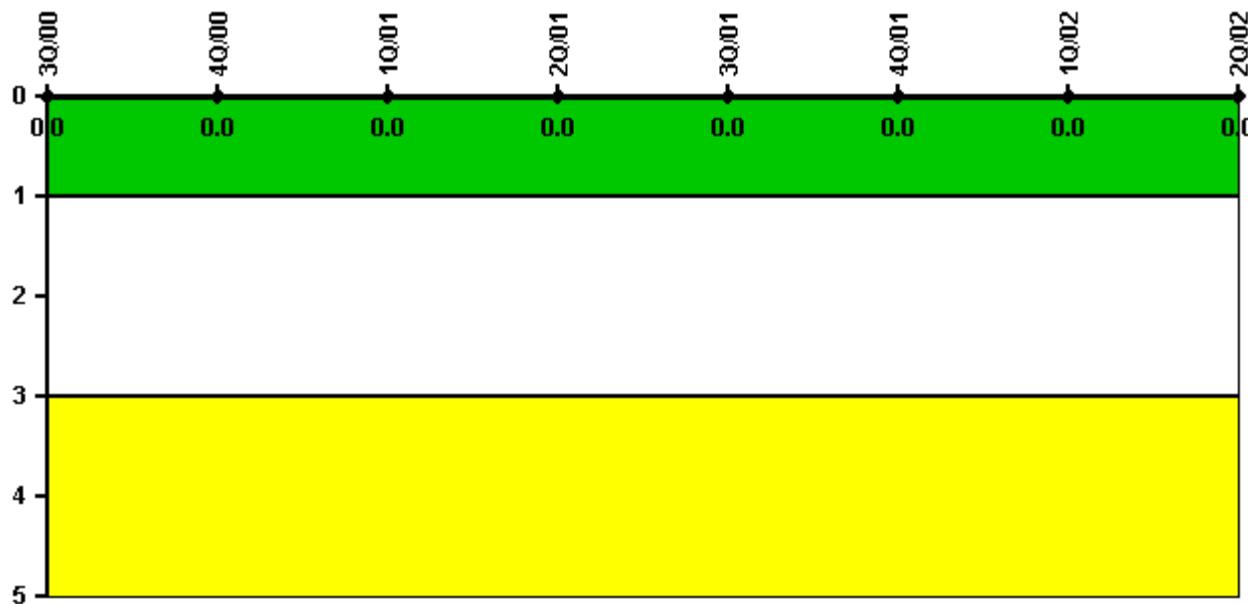
Occupational Exposure Control Effectiveness

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

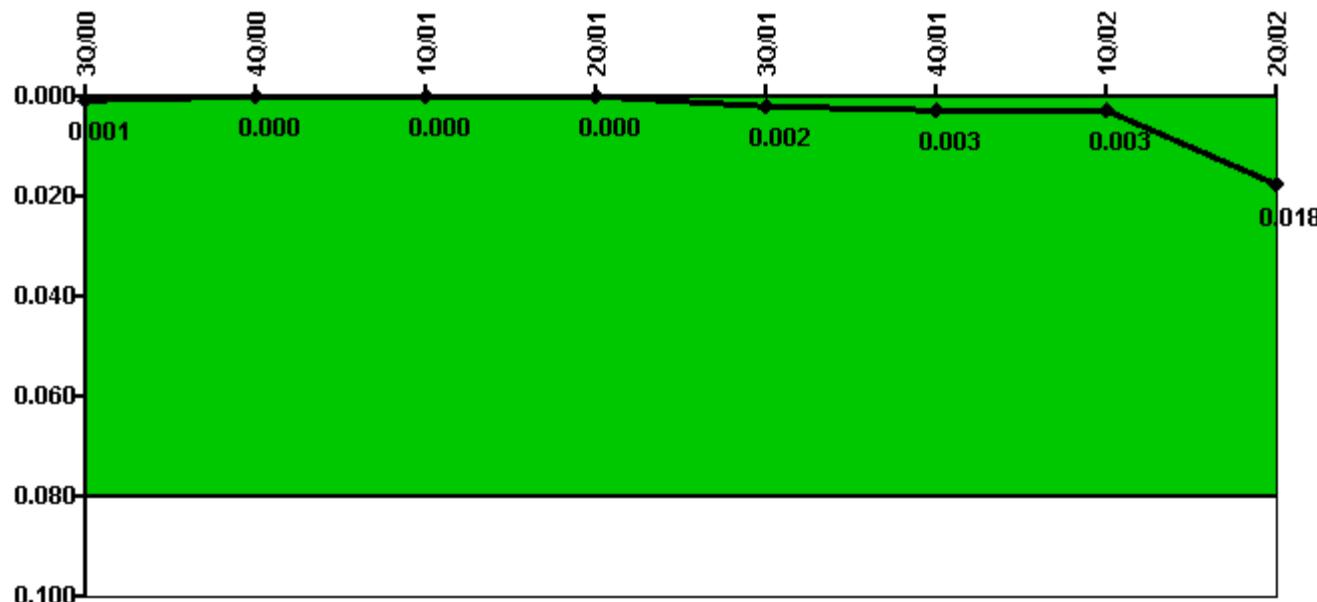
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



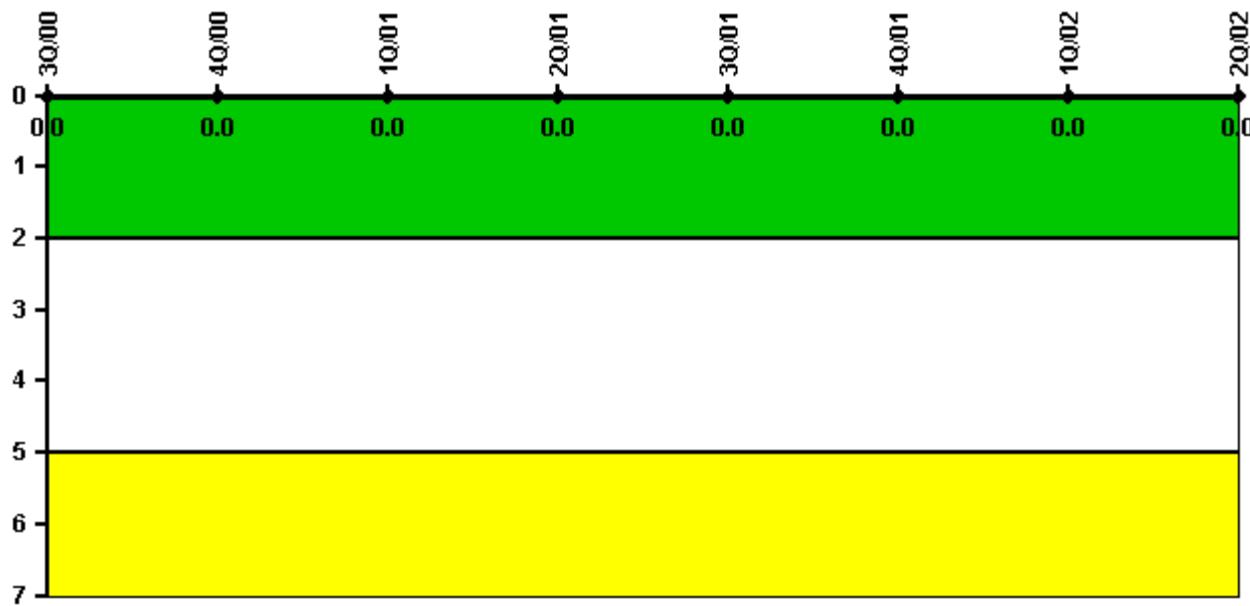
Thresholds: White > 0.080

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	0	0	0	1.60	36.10	25.40	1.00	291.10
CCTV compensatory hours	0	1.1	0.4	0	0	1.9	0	0
IDS normalization factor	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.001	0	0	0	0.002	0.003	0.003	0.018

Licensee Comments: none

Personnel Screening Program

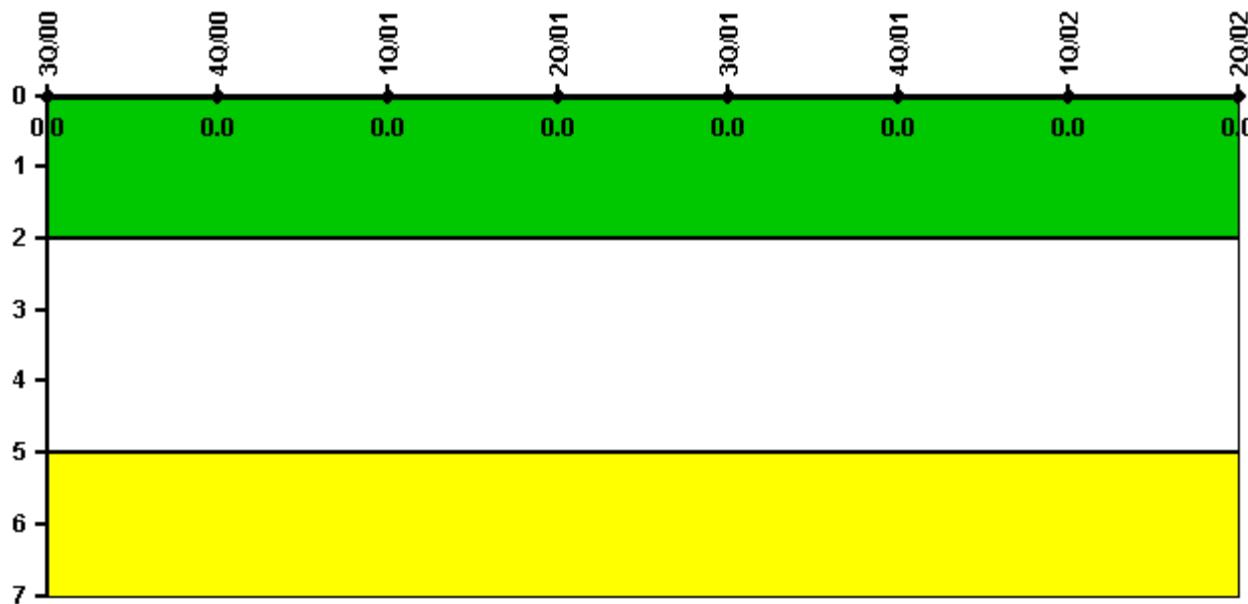


Thresholds: White > 2.0 Yellow > 5.0

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](#)

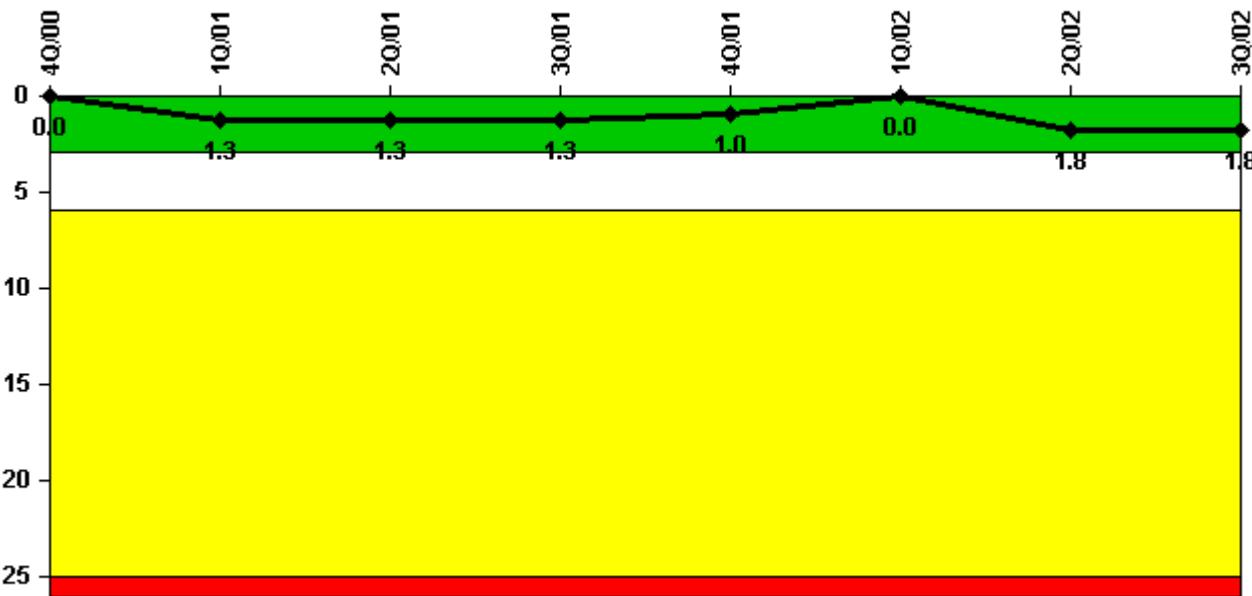
Last Modified: July 31, 2002

Summer

3Q/2002 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



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	1.0	0	0	0	0	2.0	0
Critical hours	149.9	737.9	2183.0	2208.0	2209.0	2160.0	1123.0	2208.0
Indicator value	0	1.3	1.3	1.3	1.0	0	1.8	1.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

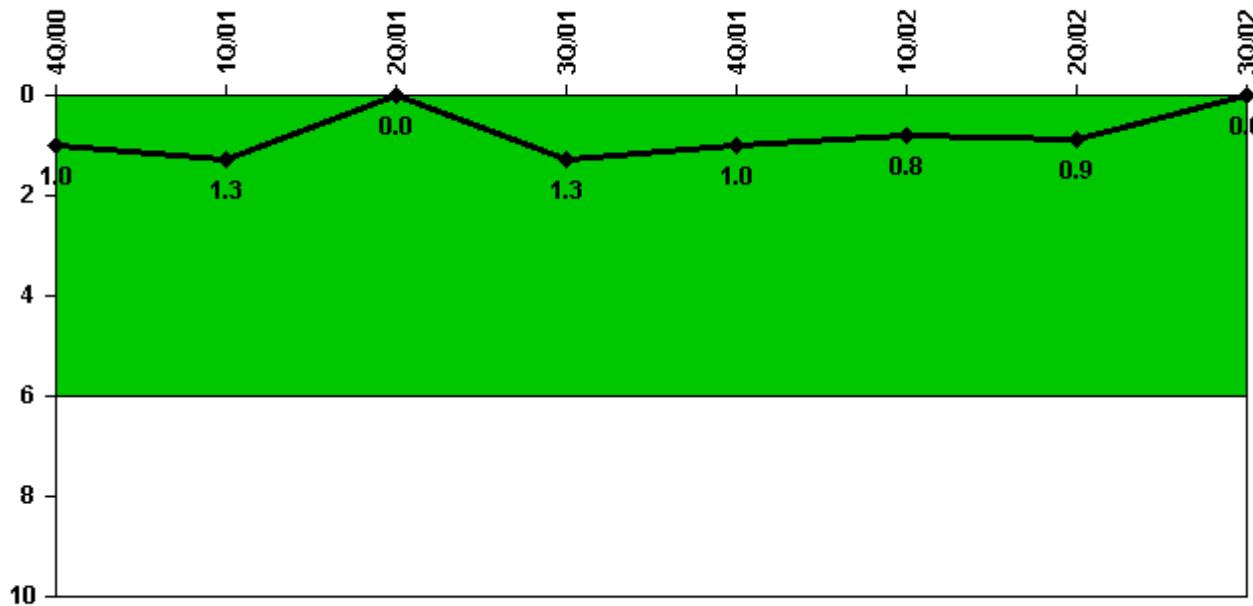
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/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

Unplanned Power Changes per 7000 Critical Hrs



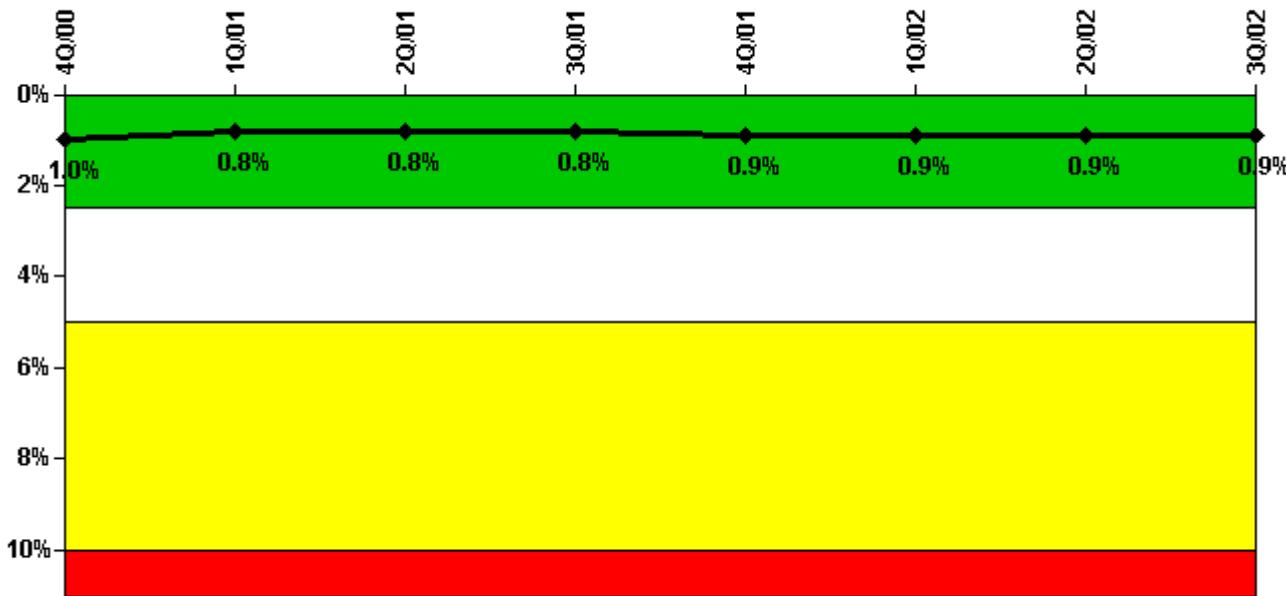
Thresholds: White > 6.0

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	1.0	0	0	0	0
Critical hours	149.9	737.9	2183.0	2208.0	2209.0	2160.0	1123.0	2208.0
Indicator value	1.0	1.3	0	1.3	1.0	0.8	0.9	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



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

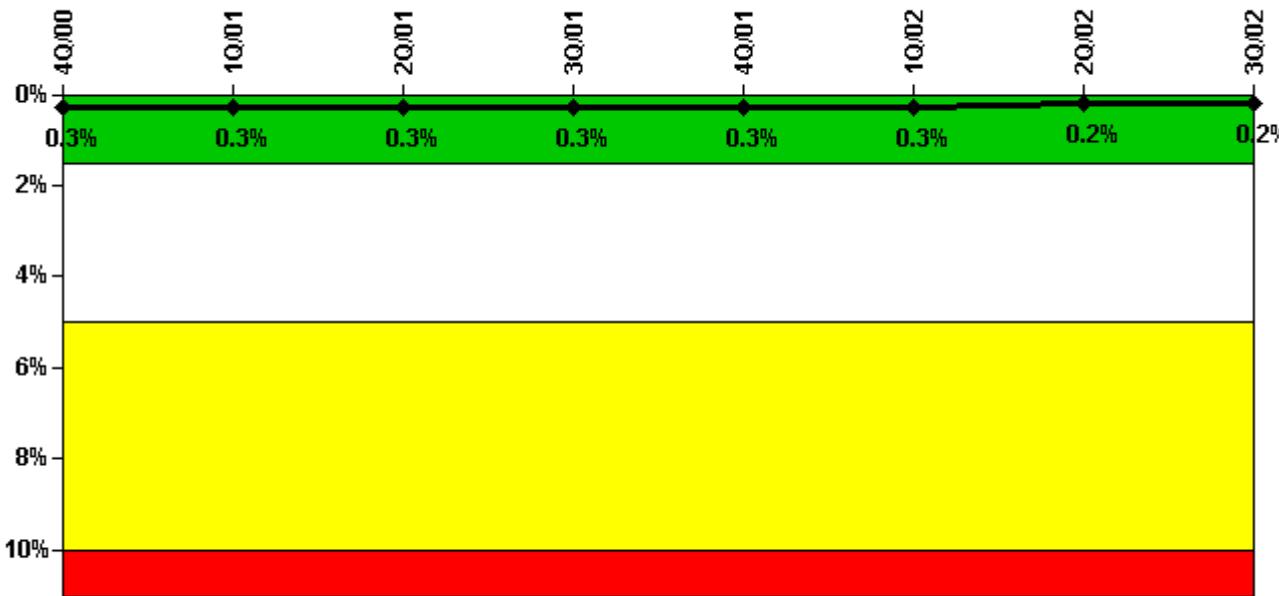
Notes

Safety System Unavailability, Emergency AC Power	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	0	8.20	20.90	18.50	17.50	12.60	0.40	13.60
Unplanned unavailable hours	0	0	0	0	5.10	0	0	42.30
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	172.70	1168.40	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0	18.70	15.40	17.50	66.10	12.90	0.40	15.10
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	406.20	894.80	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	1.0%	0.8%	0.8%	0.8%	0.9%	0.9%	0.9%	0.9%

Licensee Comments:

3Q/02: EDG train A, 327 hours of T/2 fault exposure hours.

Safety System Unavailability, High Pressure Injection System (HPSI)



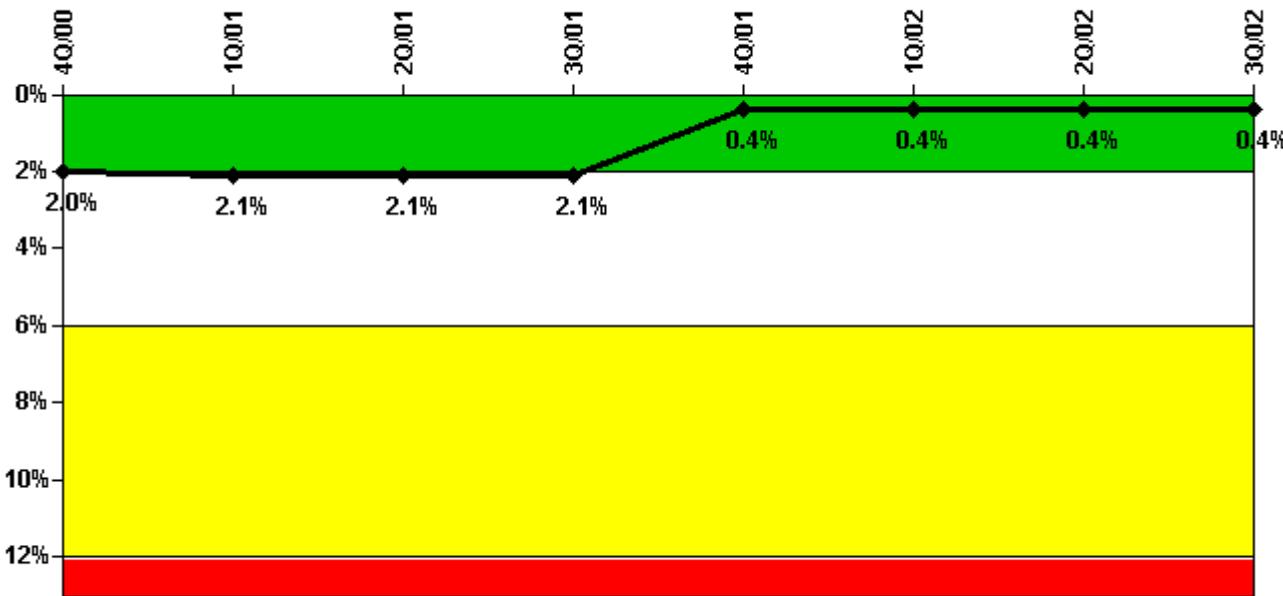
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	0	0	0.25	0.25	0.50	0.50	0.50	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	149.90	737.90	2140.50	2208.00	2209.00	2160.00	1123.00	2208.00
Train 2								
Planned unavailable hours	0	0	0.25	0.50	0.25	0.50	0.25	3.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	149.90	737.90	2140.50	2208.00	2209.00	2160.00	1123.00	2208.00
Indicator value	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



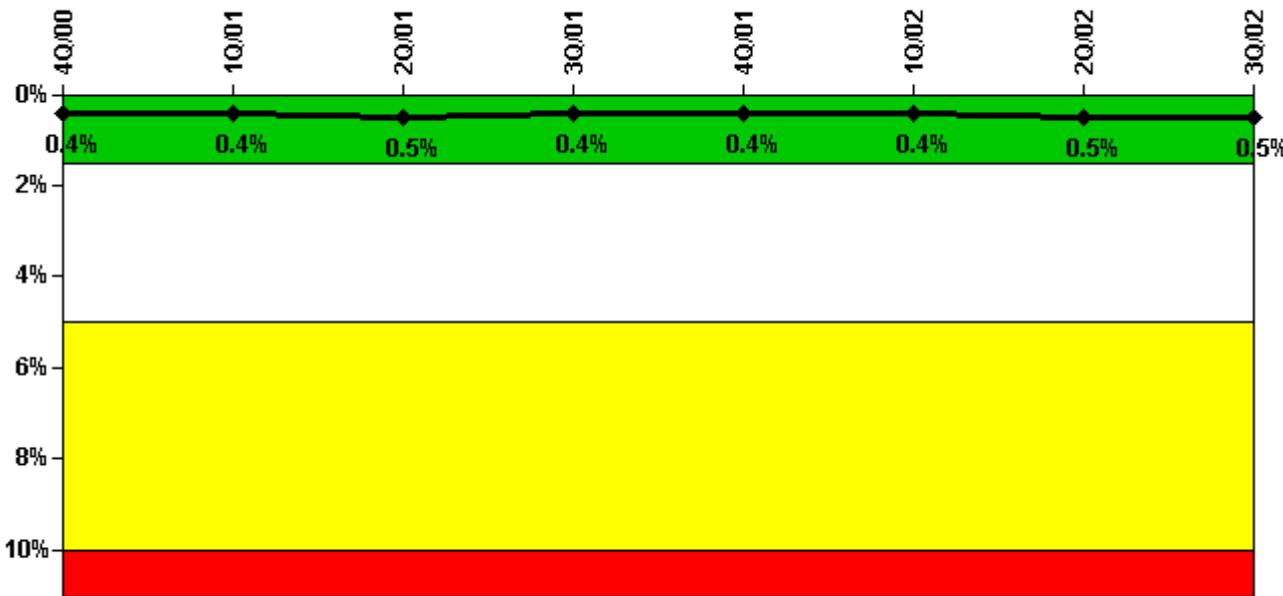
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)								
	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	0	0	8.20	20.30	23.30	9.50	3.30	12.20
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	149.90	737.90	2183.00	2208.00	2209.00	2160.00	1123.00	2208.00
Train 2								
Planned unavailable hours	0	0	7.80	18.50	0	0	14.50	10.80
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	149.90	737.90	2183.00	2208.00	2209.00	2160.00	1123.00	2208.00
Train 3								
Planned unavailable hours	0	0	9.10	0	16.30	11.20	18.60	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	1157.00	0	0	0
Required hours	149.90	737.90	2183.00	2208.00	2209.00	2160.00	1123.00	2208.00
Indicator value	2.0%	2.1%	2.1%	2.1%	0.4%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

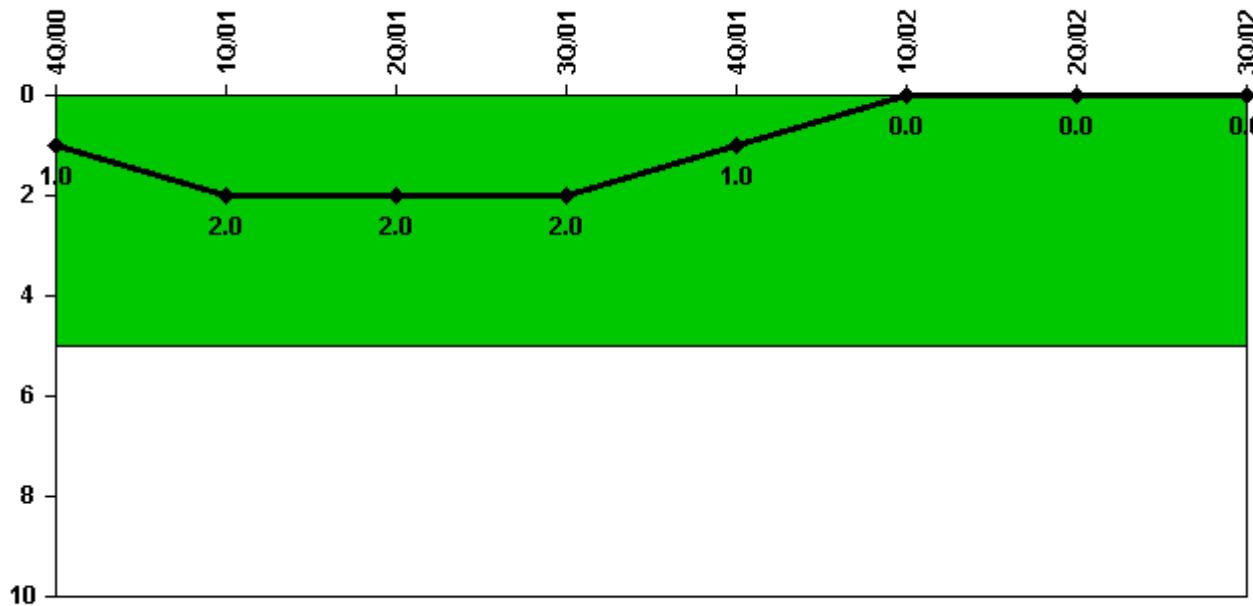


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	0	0	13.50	12.50	8.10	15.70	35.10	10.90
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	356.30	1168.40	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0	0.25	14.70	0	10.00	11.40	8.00	15.20
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	406.20	1168.40	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	0.4%	0.4%	0.5%	0.4%	0.4%	0.4%	0.5%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)

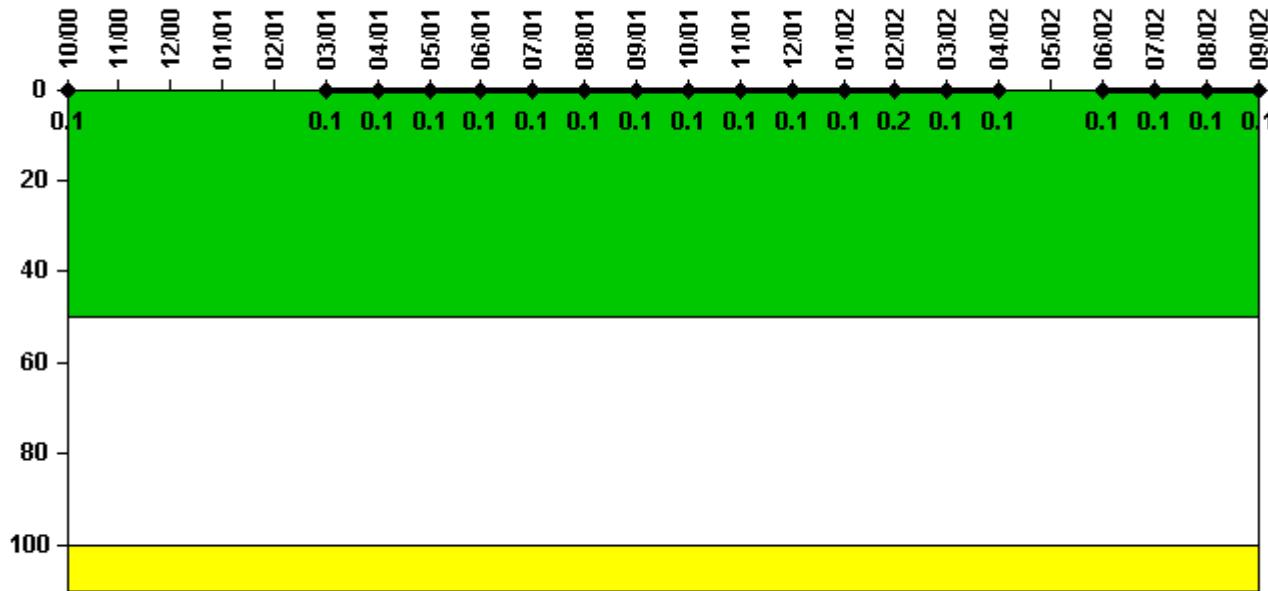
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



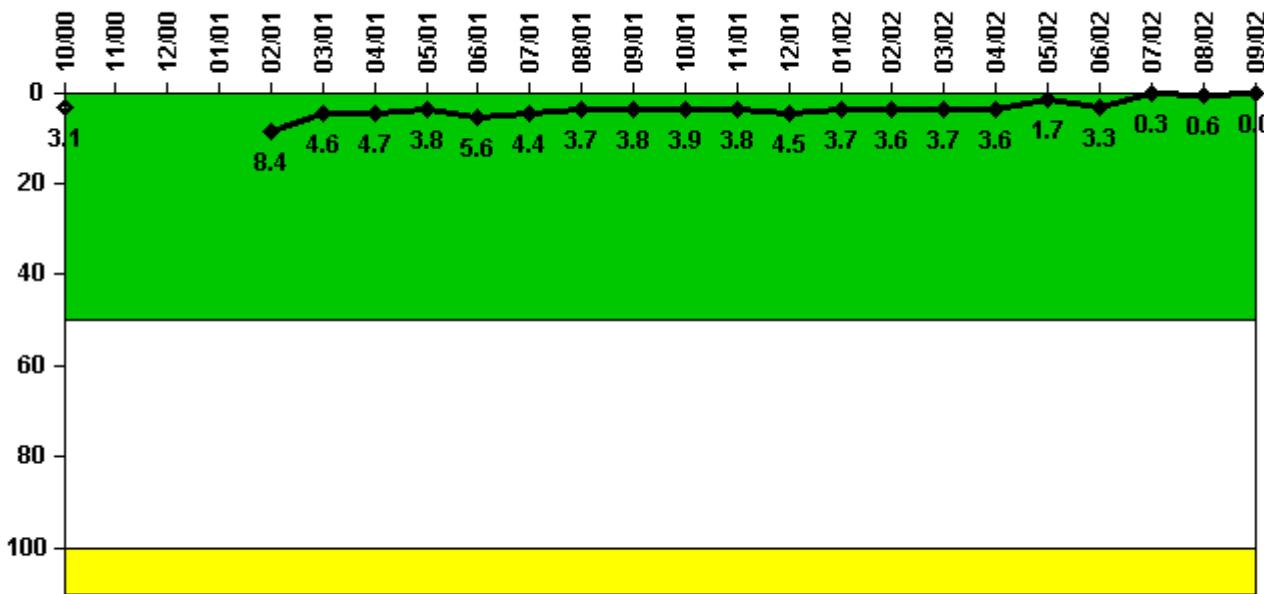
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity		10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity		0.000411	N/A	N/A	N/A	N/A	0.000245	0.000281	0.000276	0.000275	0.000290	0.000362	0.000314
Technical specification limit		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value		0.1	N/A	N/A	N/A	N/A	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System Activity		10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum activity		0.000340	0.000341	0.000360	0.000363	0.000680	0.000384	0.000386	N/A	0.000216	0.000228	0.000234	0.000253
Technical specification limit		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value		0.1	0.1	0.1	0.1	0.2	0.1	0.1	N/A	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



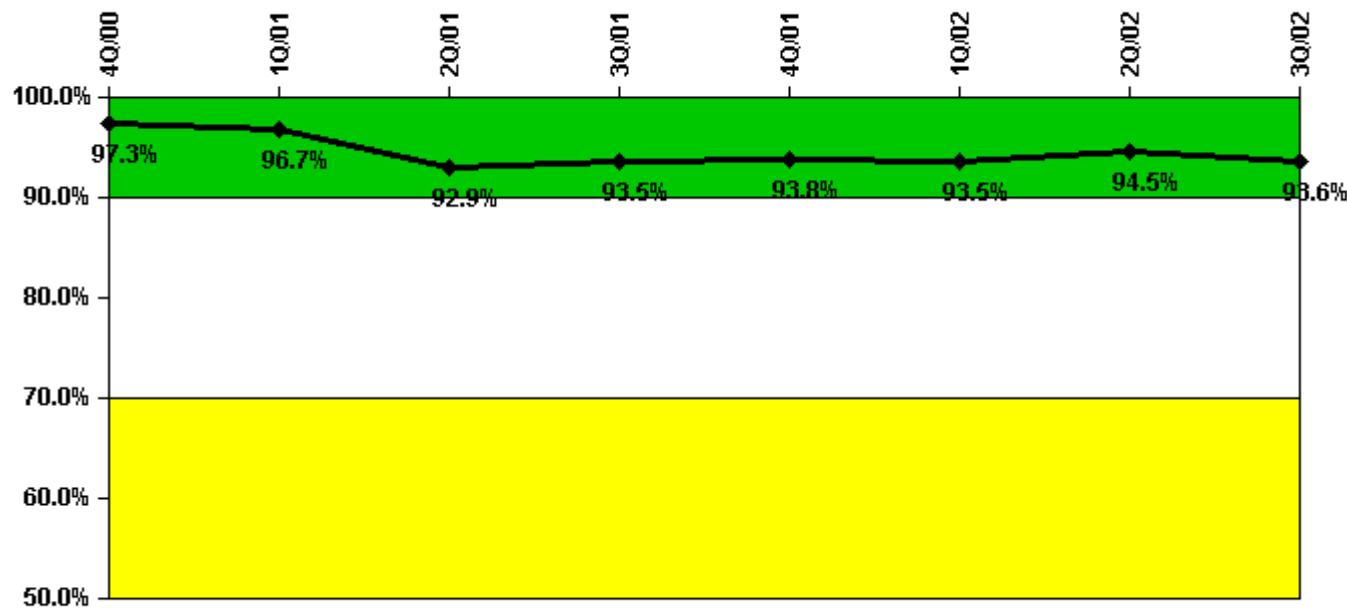
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	0.310	N/A	N/A	N/A	0.840	0.460	0.470	0.380	0.560	0.440	0.370	0.380
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	3.1	N/A	N/A	N/A	8.4	4.6	4.7	3.8	5.6	4.4	3.7	3.8
Reactor Coolant System Leakage	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum leakage	0.390	0.380	0.450	0.370	0.360	0.370	0.360	0.170	0.330	0.030	0.060	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	3.9	3.8	4.5	3.7	3.6	3.7	3.6	1.7	3.3	0.3	0.6	0

Licensee Comments: none

Drill/Exercise Performance



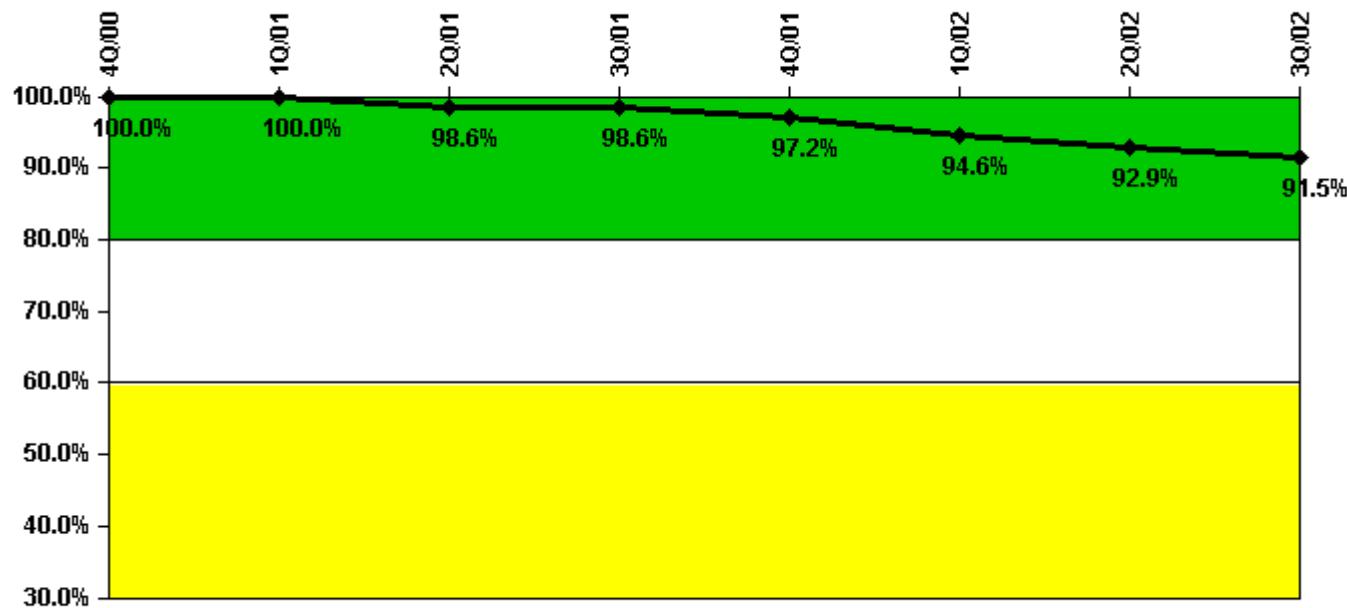
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful opportunities	0	10.0	32.0	28.0	29.0	29.0	15.0	18.0
Total opportunities	0	11.0	39.0	28.0	29.0	29.0	15.0	21.0
Indicator value	97.3%	96.7%	92.9%	93.5%	93.8%	93.5%	94.5%	93.6%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

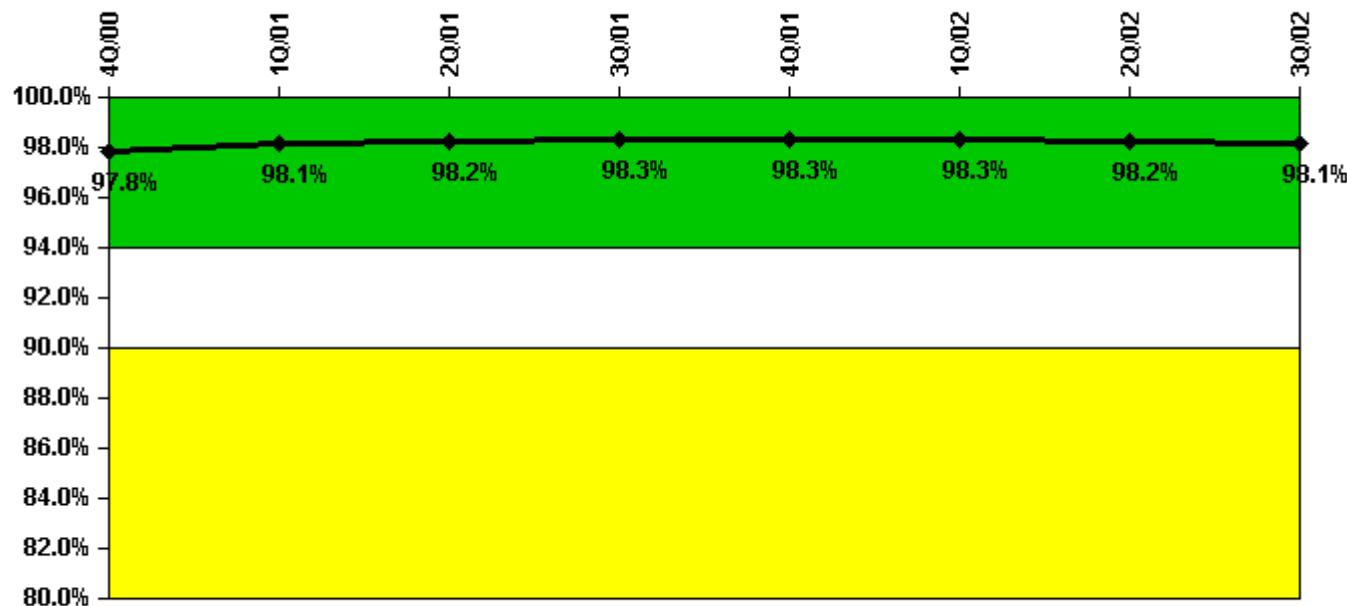
Notes

ERO Drill Participation	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Participating Key personnel	74.0	70.0	70.0	69.0	70.0	70.0	65.0	65.0
Total Key personnel	74.0	70.0	71.0	70.0	72.0	74.0	70.0	71.0
Indicator value	100.0%	100.0%	98.6%	98.6%	97.2%	94.6%	92.9%	91.5%

Licensee Comments:

3Q/02: Data revised for second quarter 2002, first quarter 2002 and fourth quarter 2001. Revisions made to correct error in calculation.

Alert & Notification System

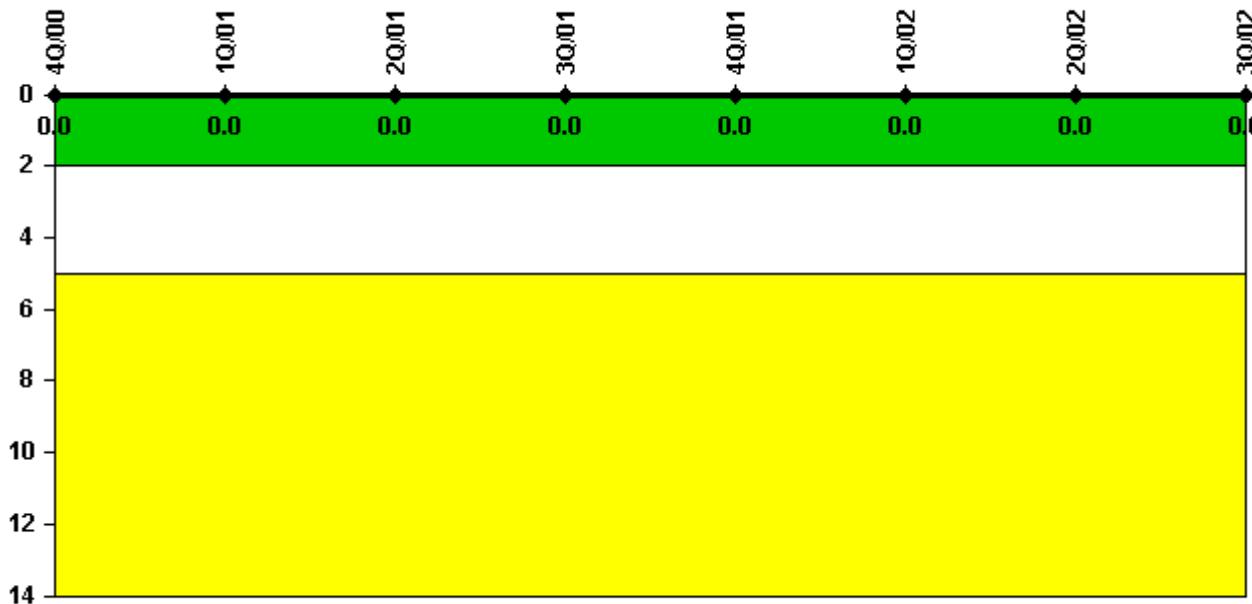


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful siren-tests	1571	1681	1660	1652	1781	1572	1658	1746
Total sirens-tests	1590	1696	1696	1694	1802	1590	1696	1802
Indicator value	97.8%	98.1%	98.2%	98.3%	98.3%	98.3%	98.2%	98.1%

Licensee Comments: none

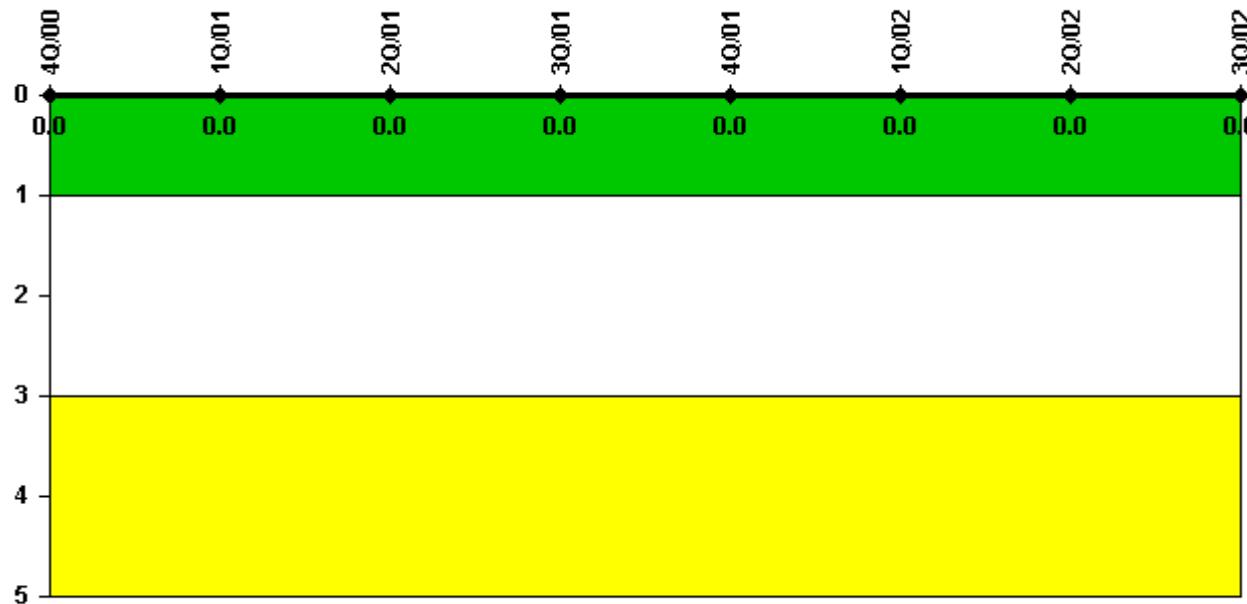
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

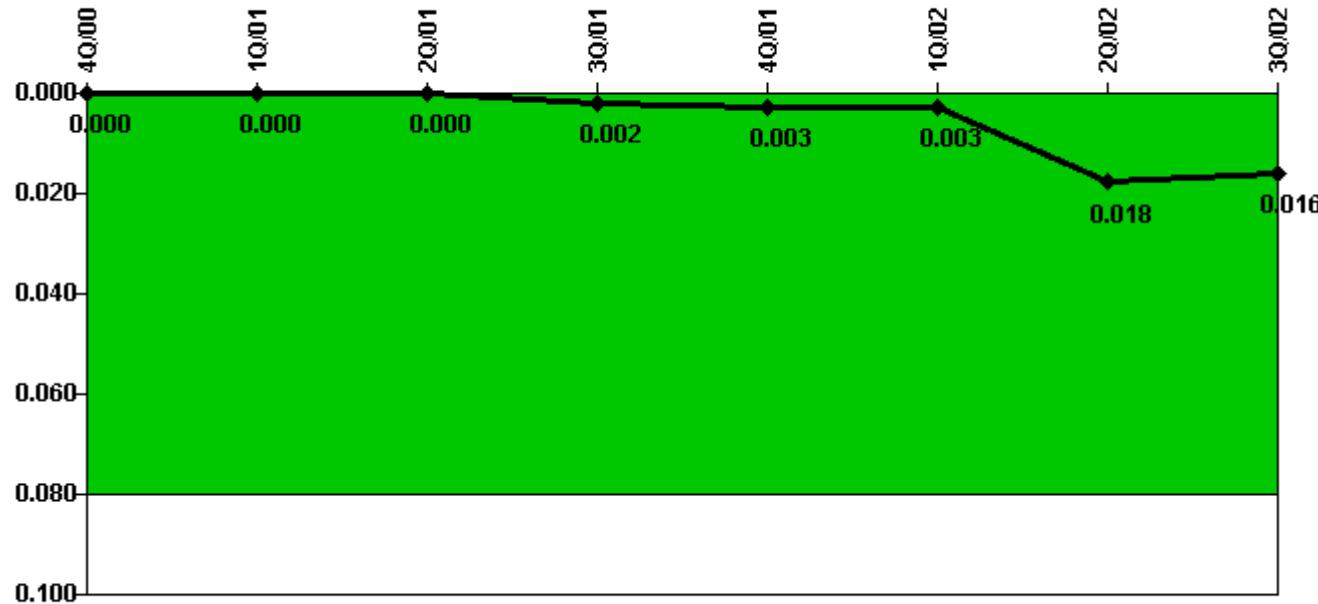
Thresholds: White > 1.0 Yellow > 3.0

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

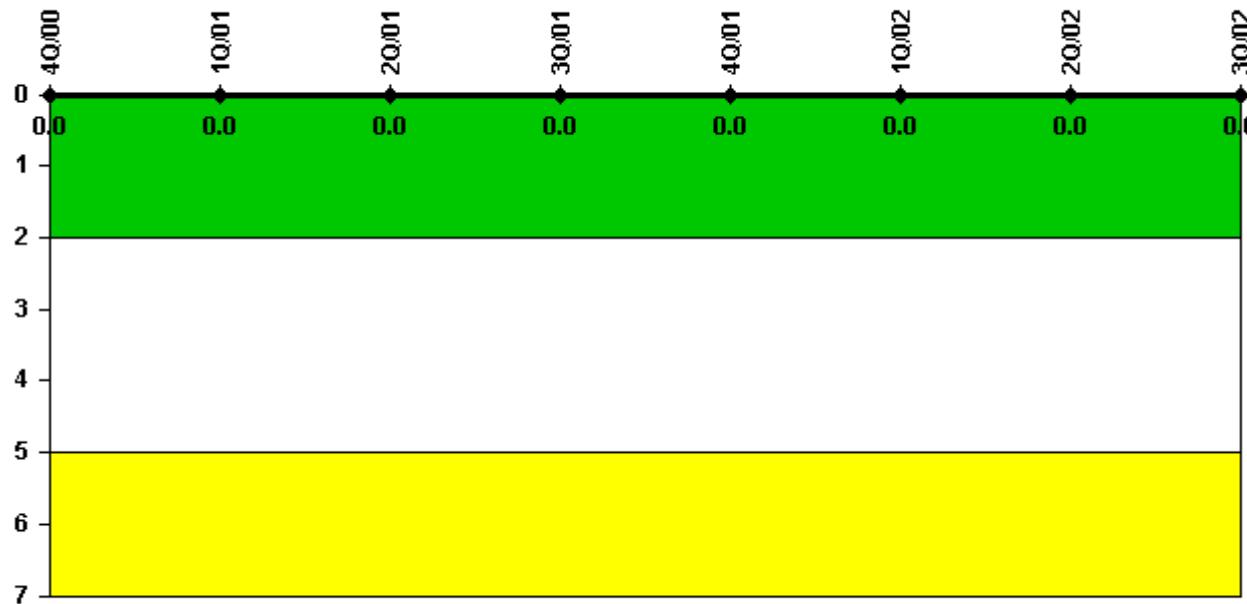


Thresholds: White > 0.080

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	0	0	1.60	36.10	25.40	1.00	291.10	0
CCTV compensatory hours	1.1	0.4	0	0	1.9	0	0	0.9
IDS normalization factor	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0	0	0	0.002	0.003	0.003	0.018	0.016

Licensee Comments: none

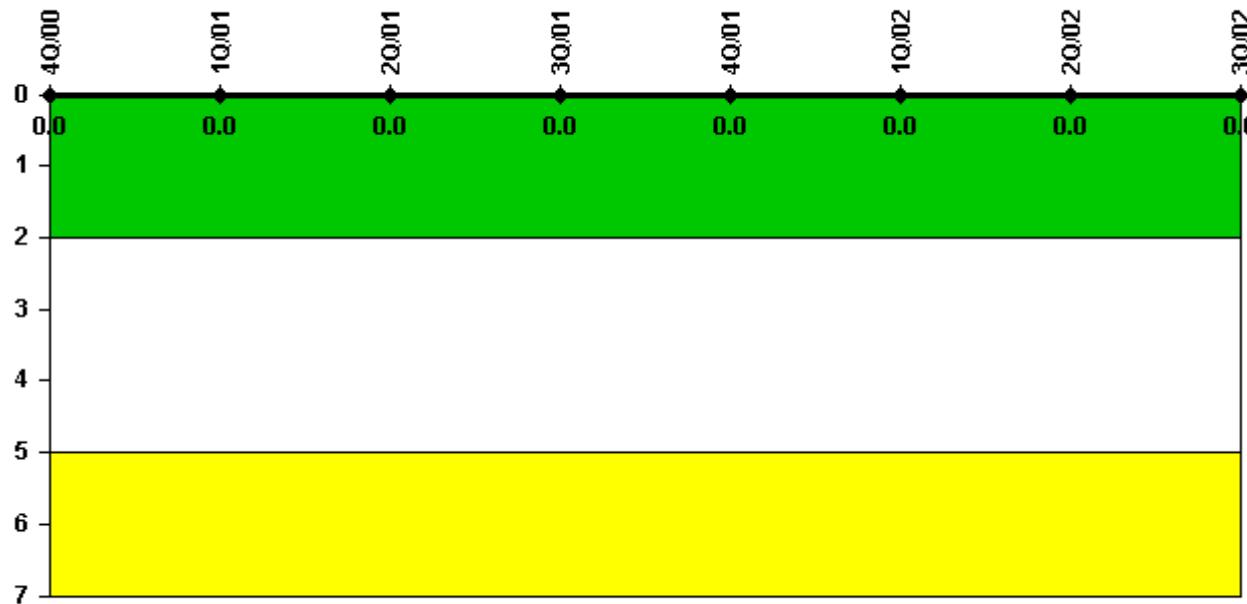
Personnel Screening Program

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

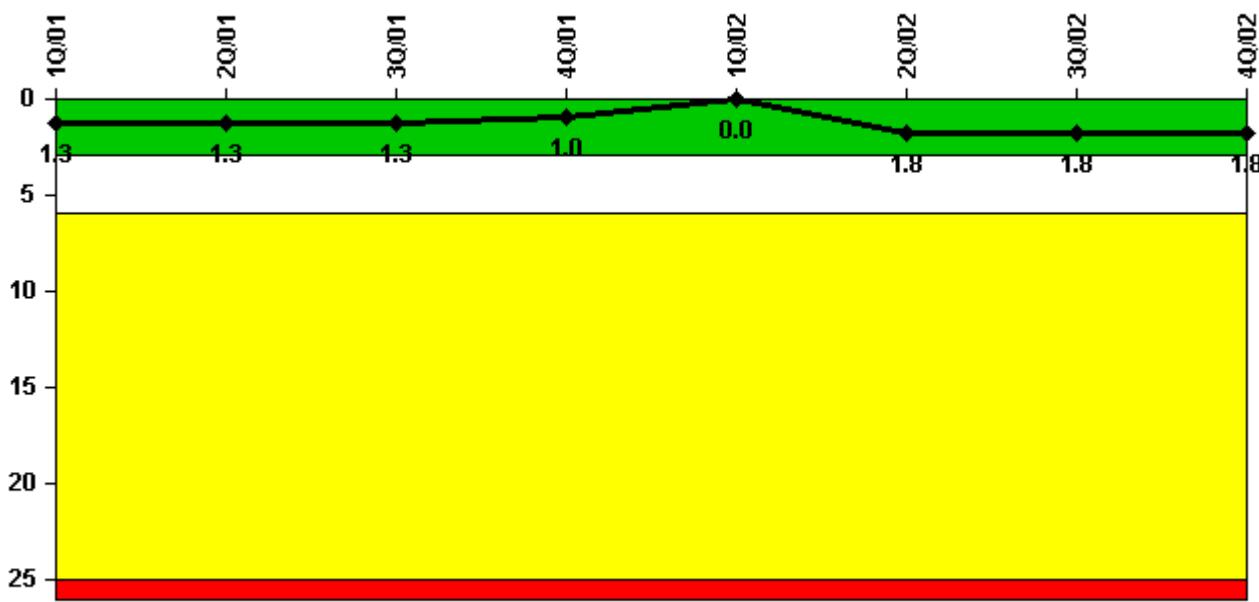


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Last Modified: October 22, 2002

Summer**4Q/2002 Performance Indicators**

Licensee's General Comments: none

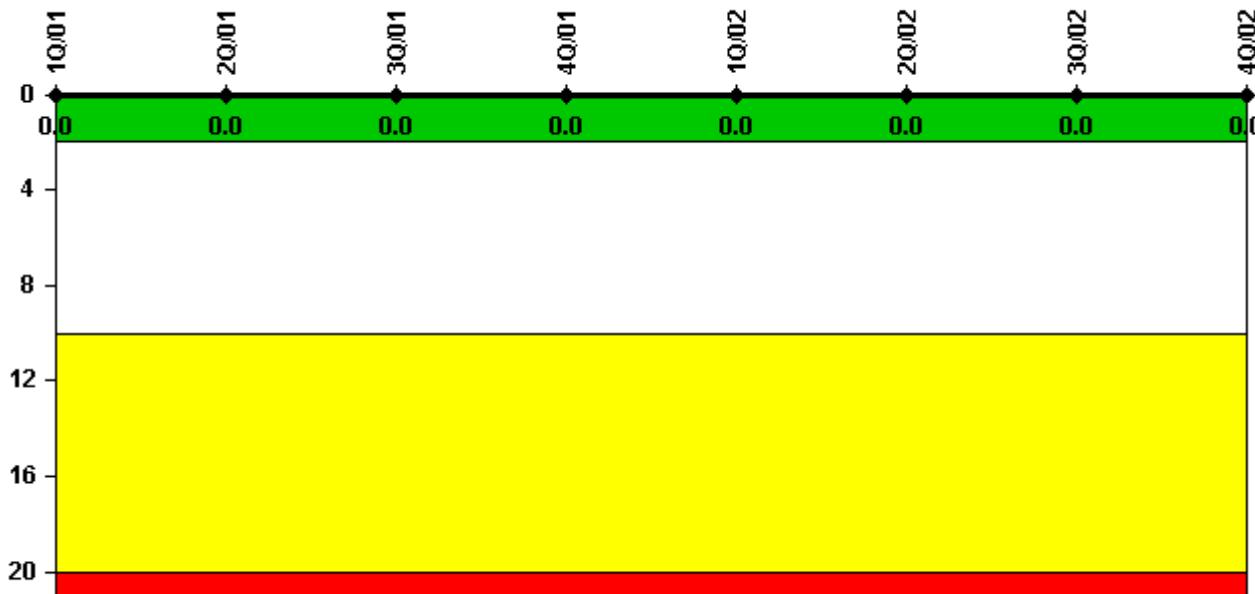
Unplanned Scrams per 7000 Critical Hrs

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	1.0	0	0	0	0	2.0	0	0
Critical hours	737.9	2183.0	2208.0	2209.0	2160.0	1123.0	2208.0	2209.0
Indicator value	1.3	1.3	1.3	1.0	0	1.8	1.8	1.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

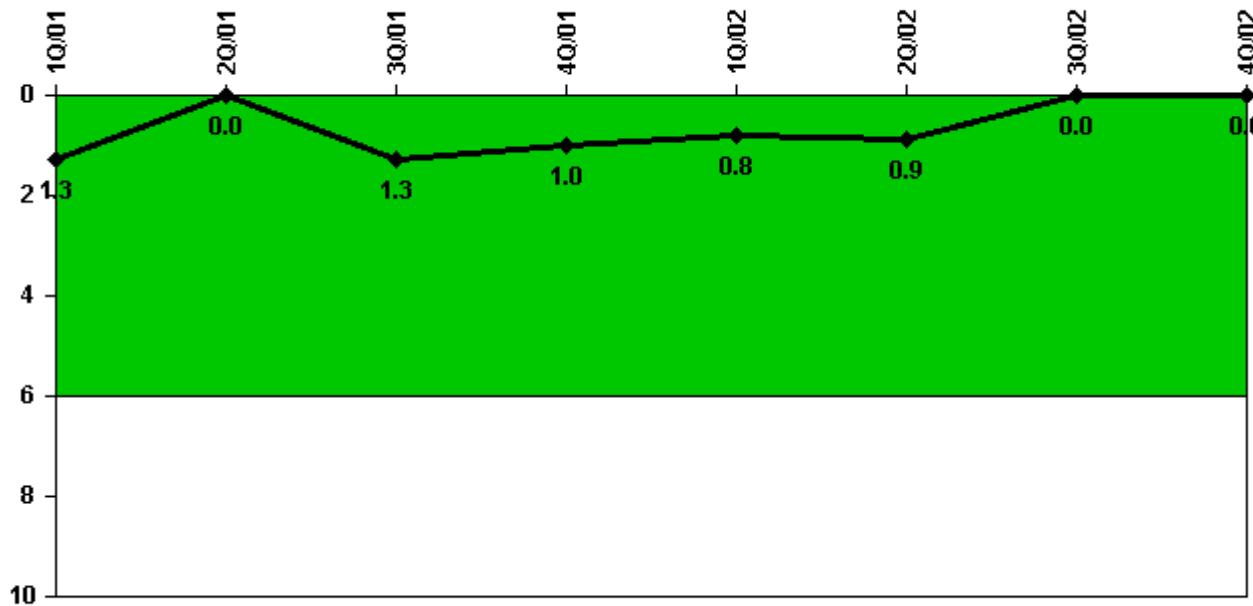
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/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



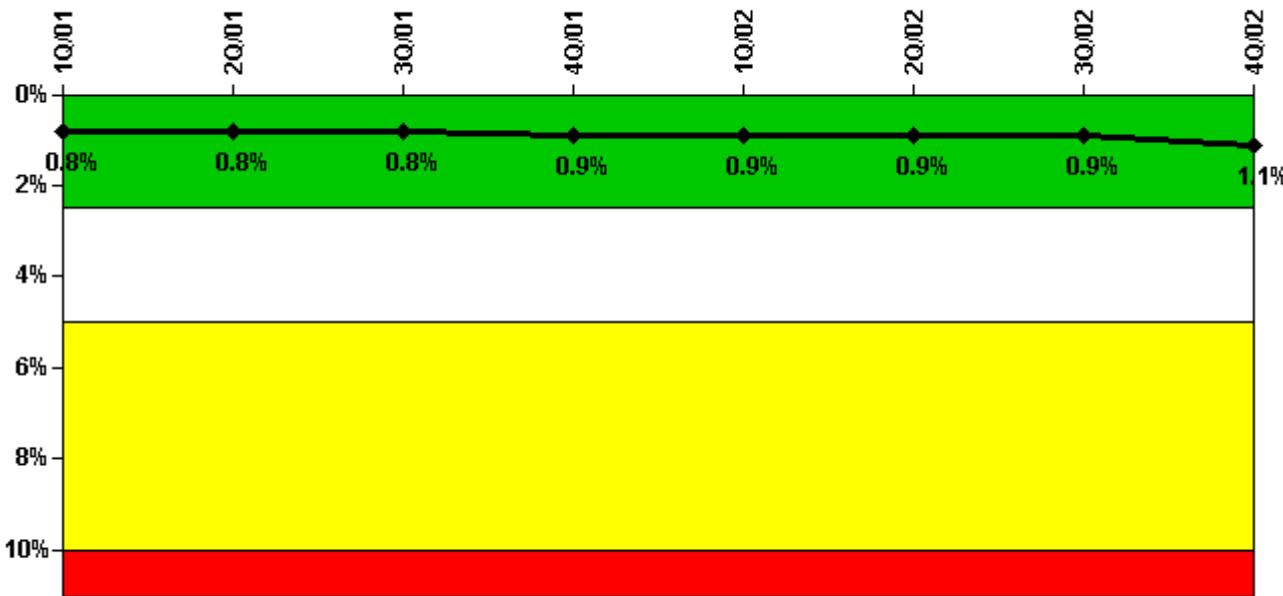
Thresholds: White > 6.0

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	1.0	0	0	0	0	0
Critical hours	737.9	2183.0	2208.0	2209.0	2160.0	1123.0	2208.0	2209.0
Indicator value	1.3	0	1.3	1.0	0.8	0.9	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



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

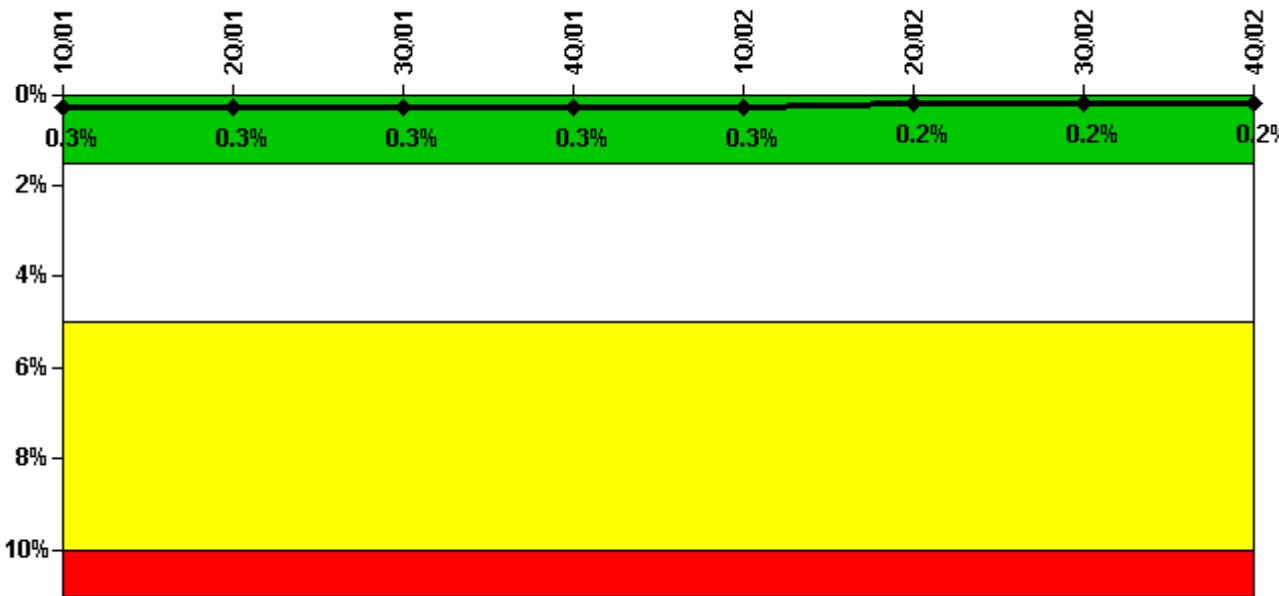
Notes

Safety System Unavailability, Emergency AC Power	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	8.20	20.90	18.50	17.50	12.60	0.40	13.60	30.30
Unplanned unavailable hours	0	0	0	5.10	0	0	42.30	21.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1168.40	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	18.70	15.40	17.50	66.10	12.90	0.40	15.10	13.70
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	894.80	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	0.8%	0.8%	0.8%	0.9%	0.9%	0.9%	0.9%	1.1%

Licensee Comments:

4Q/02: EDG train A, 352 hours of T/2 fault exposure hours.

Safety System Unavailability, High Pressure Injection System (HPSI)



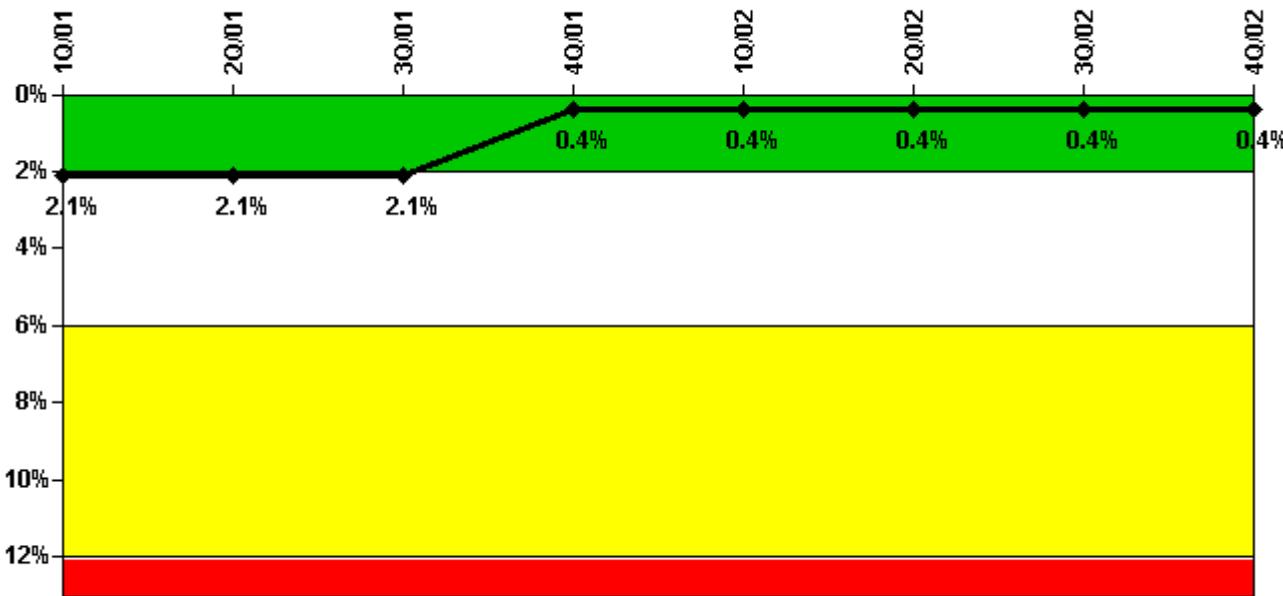
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	0	0.25	0.25	0.50	0.50	0.50	0.25	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	737.90	2140.50	2208.00	2209.00	2160.00	1123.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0	0.25	0.50	0.25	0.50	0.25	3.25	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	737.90	2140.50	2208.00	2209.00	2160.00	1123.00	2208.00	2209.00
Indicator value	0.3%	0.3%	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



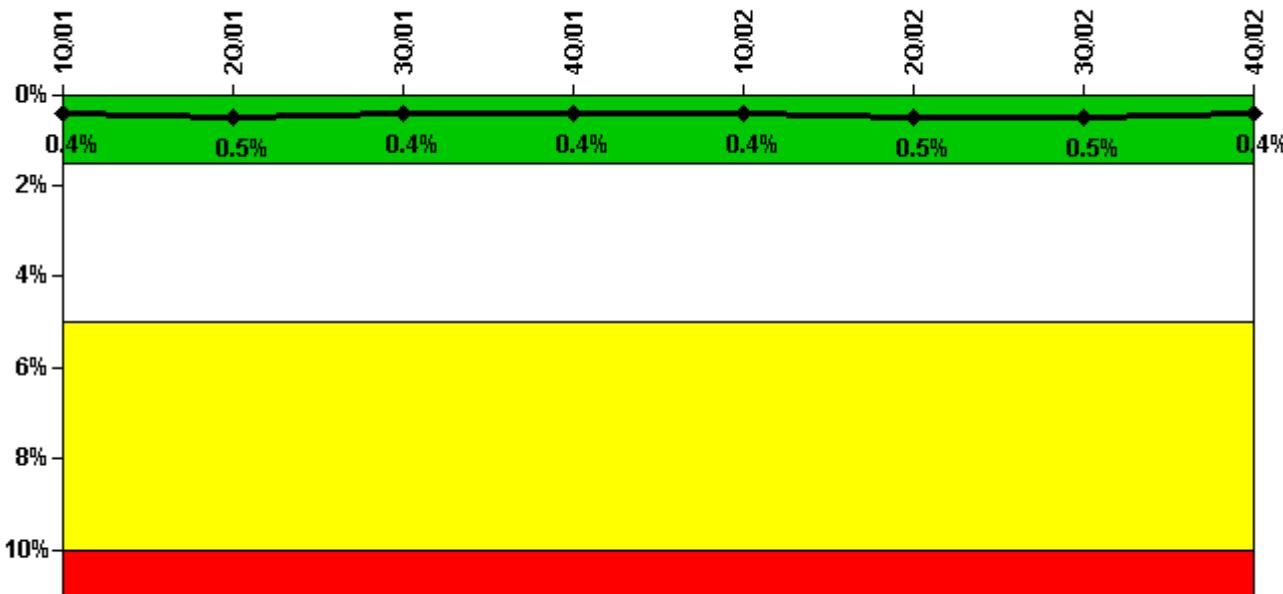
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	0	8.20	20.30	23.30	9.50	3.30	12.20	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	737.90	2183.00	2208.00	2209.00	2160.00	1123.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0	7.80	18.50	0	0	14.50	10.80	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	737.90	2183.00	2208.00	2209.00	2160.00	1123.00	2208.00	2209.00
Train 3								
Planned unavailable hours	0	9.10	0	16.30	11.20	18.60	0	11.90
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	1157.00	0	0	0	0
Required hours	737.90	2183.00	2208.00	2209.00	2160.00	1123.00	2208.00	2209.00
Indicator value	2.1%	2.1%	2.1%	0.4%	0.4%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

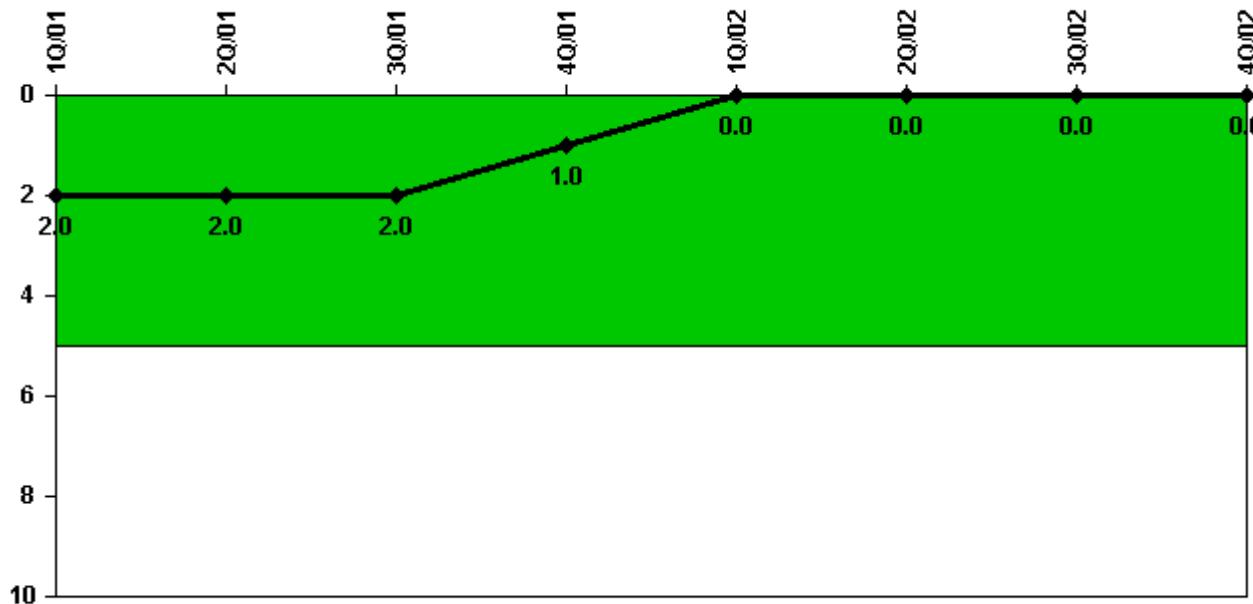


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	0	13.50	12.50	8.10	15.70	35.10	10.90	8.80
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1168.40	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0.25	14.70	0	10.00	11.40	8.00	15.20	10.00
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	1168.40	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	0.4%	0.5%	0.4%	0.4%	0.4%	0.5%	0.5%	0.4%

Licensee Comments: none

Safety System Functional Failures (PWR)

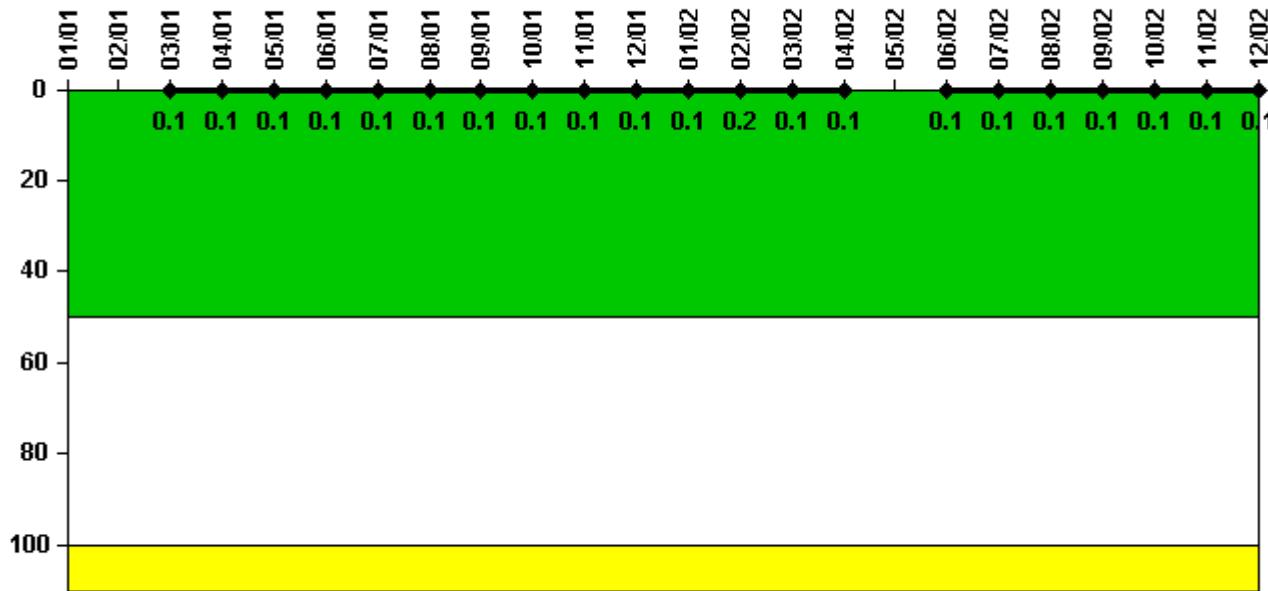
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



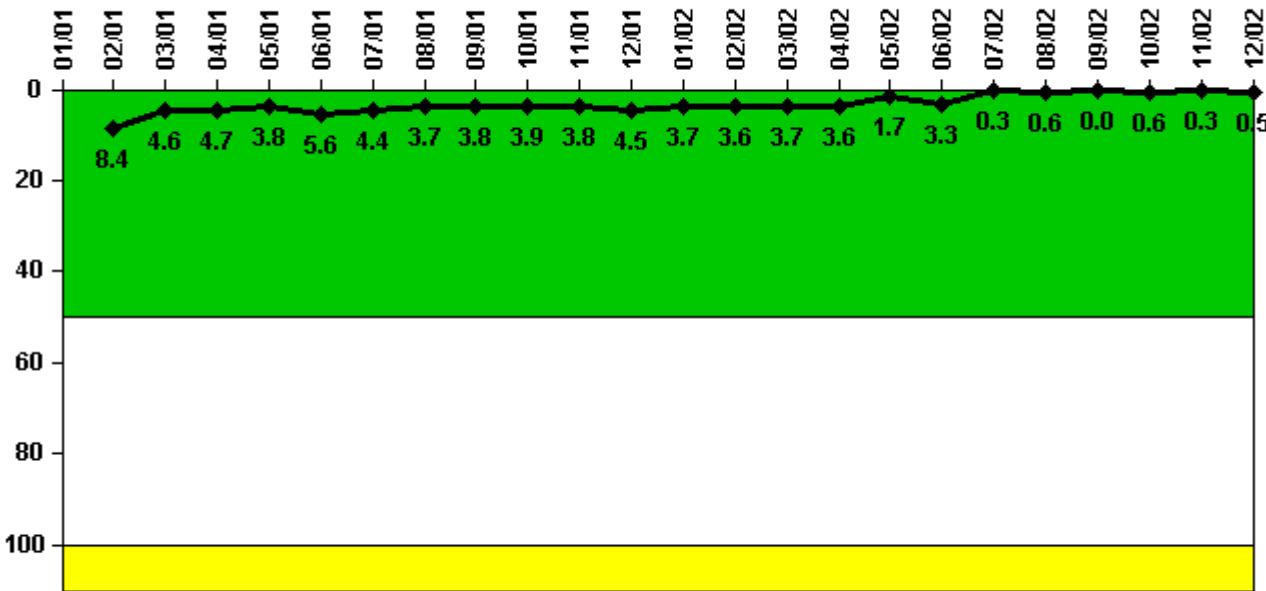
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	N/A	N/A	0.000245	0.000281	0.000276	0.000275	0.000290	0.000362	0.000314	0.000340	0.000341	0.000360
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	N/A	N/A	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System Activity	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum activity	0.000363	0.000680	0.000384	0.000386	N/A	0.000216	0.000228	0.000234	0.000253	0.000260	0.000269	0.000281
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.2	0.1	0.1	N/A	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



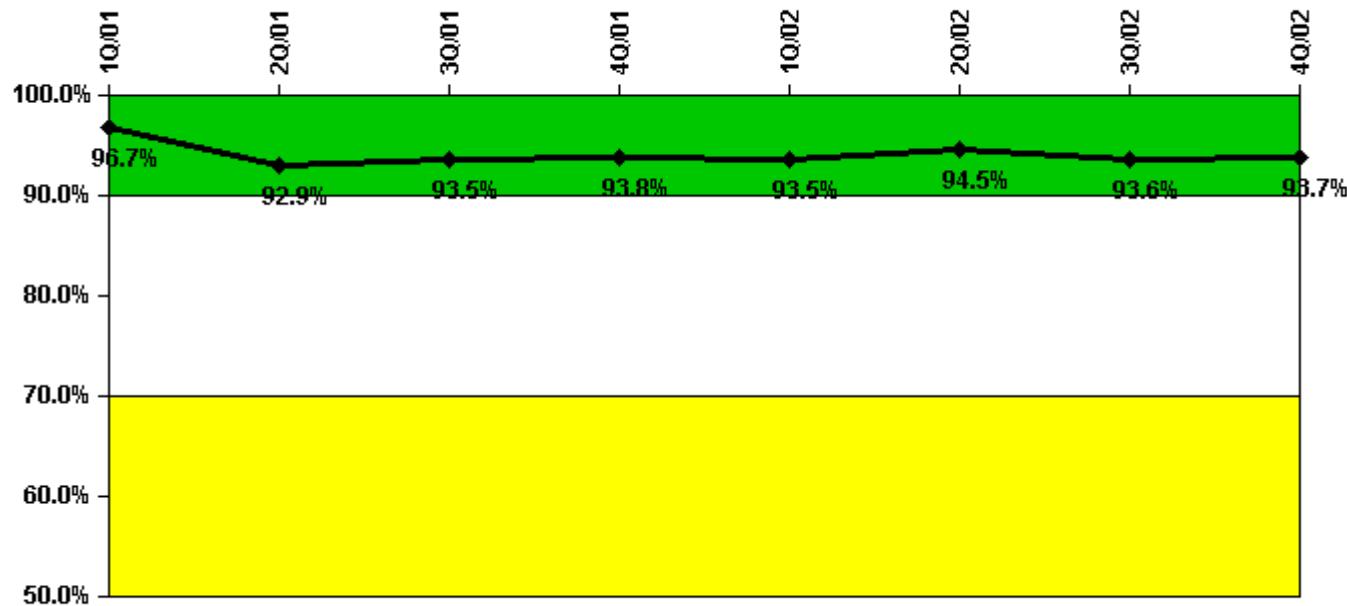
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum leakage	N/A	0.840	0.460	0.470	0.380	0.560	0.440	0.370	0.380	0.390	0.380	0.450
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	N/A	8.4	4.6	4.7	3.8	5.6	4.4	3.7	3.8	3.9	3.8	4.5
Reactor Coolant System Leakage	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	0.370	0.360	0.370	0.360	0.170	0.330	0.030	0.060	0	0.060	0.030	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	3.7	3.6	3.7	3.6	1.7	3.3	0.3	0.6	0	0.6	0.3	0.5

Licensee Comments: none

Drill/Exercise Performance



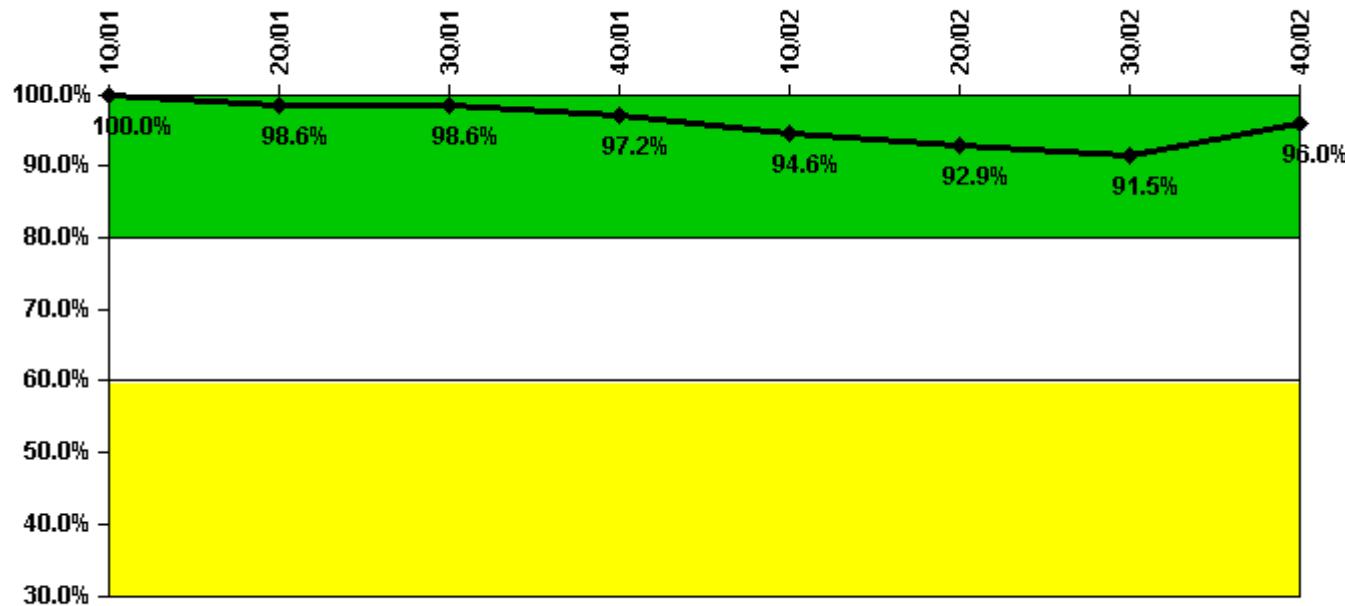
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful opportunities	10.0	32.0	28.0	29.0	29.0	15.0	18.0	16.0
Total opportunities	11.0	39.0	28.0	29.0	29.0	15.0	21.0	17.0
Indicator value	96.7%	92.9%	93.5%	93.8%	93.5%	94.5%	93.6%	93.7%

Licensee Comments: none

ERO Drill Participation



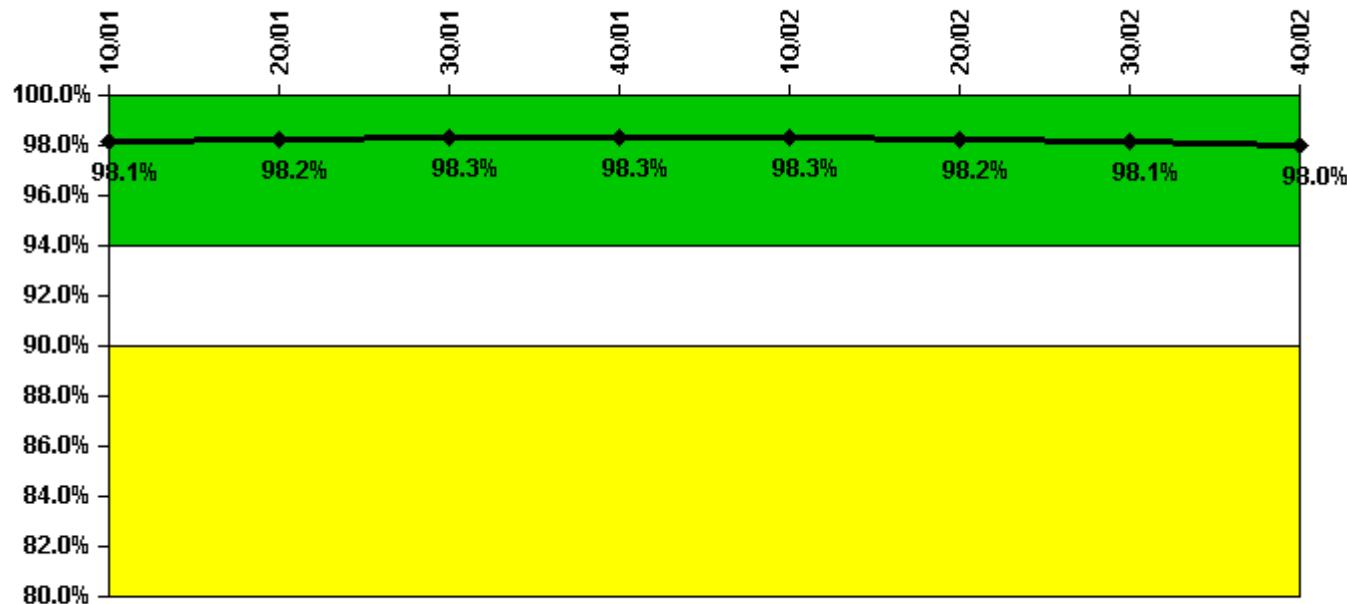
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Participating Key personnel	70.0	70.0	69.0	70.0	70.0	65.0	65.0	72.0
Total Key personnel	70.0	71.0	70.0	72.0	74.0	70.0	71.0	75.0
Indicator value	100.0%	98.6%	98.6%	97.2%	94.6%	92.9%	91.5%	96.0%

Licensee Comments: none

Alert & Notification System

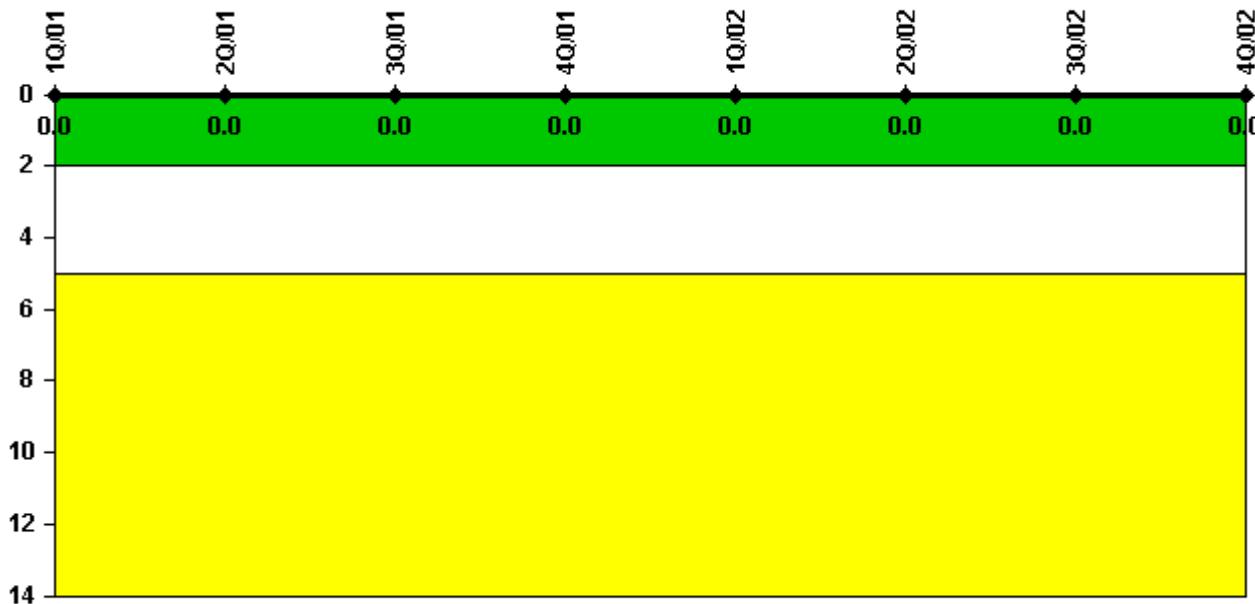


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful siren-tests	1681	1660	1652	1781	1572	1658	1746	1670
Total sirens-tests	1696	1696	1694	1802	1590	1696	1802	1695
Indicator value	98.1%	98.2%	98.3%	98.3%	98.3%	98.2%	98.1%	98.0%

Licensee Comments: none

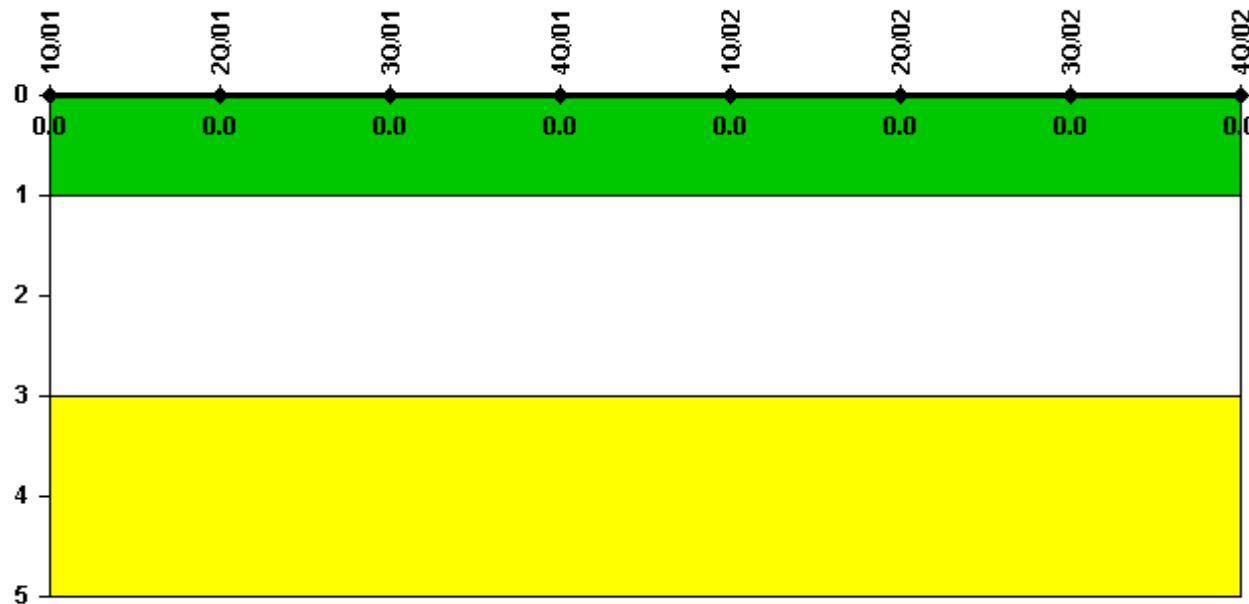
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

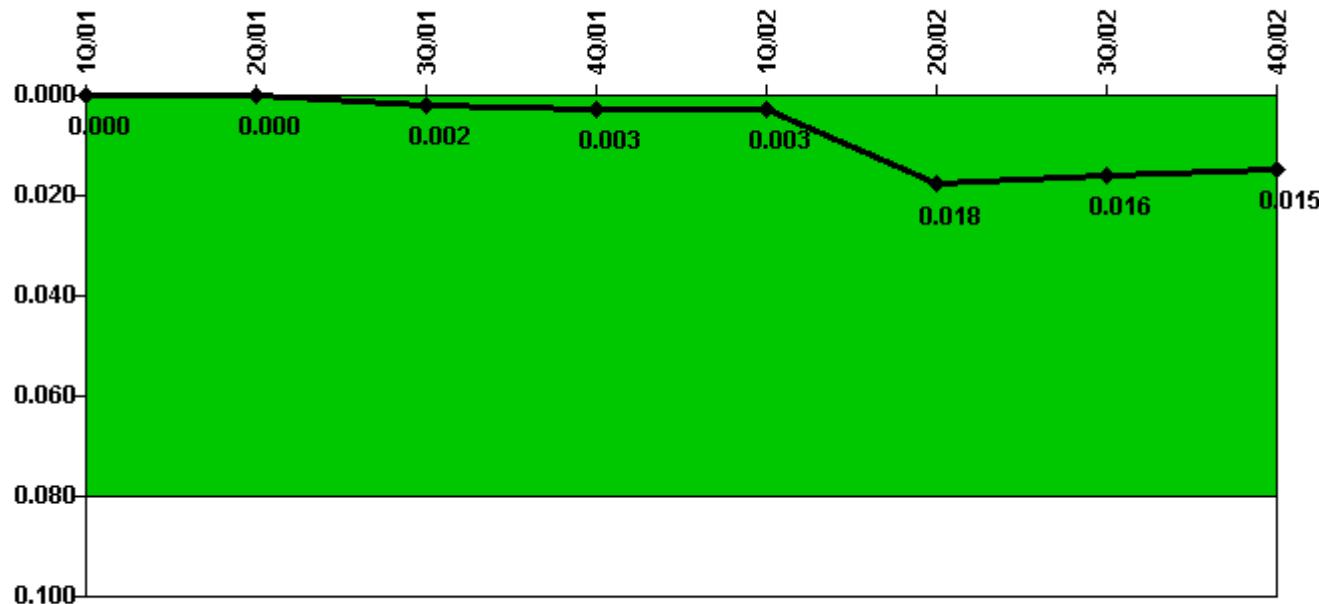
Thresholds: White > 1.0 Yellow > 3.0

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

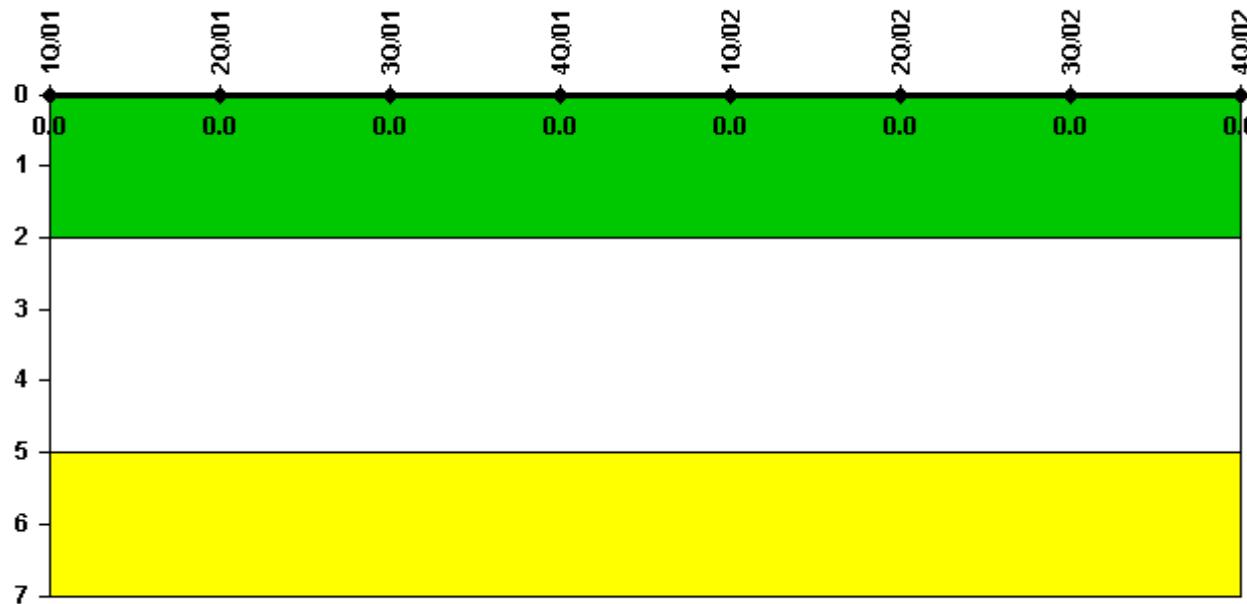


Thresholds: White > 0.080

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	0	1.60	36.10	25.40	1.00	291.10	0	2.18
CCTV compensatory hours	0.4	0	0	1.9	0	0	0.9	0
IDS normalization factor	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0	0	0.002	0.003	0.003	0.018	0.016	0.015

Licensee Comments: none

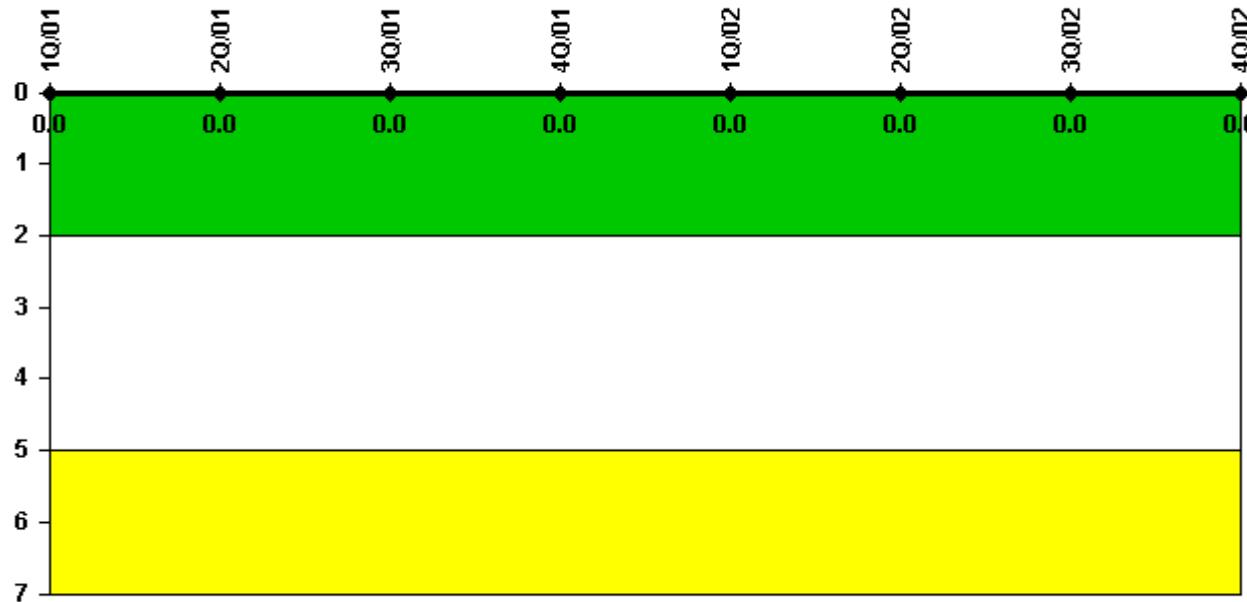
Personnel Screening Program

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



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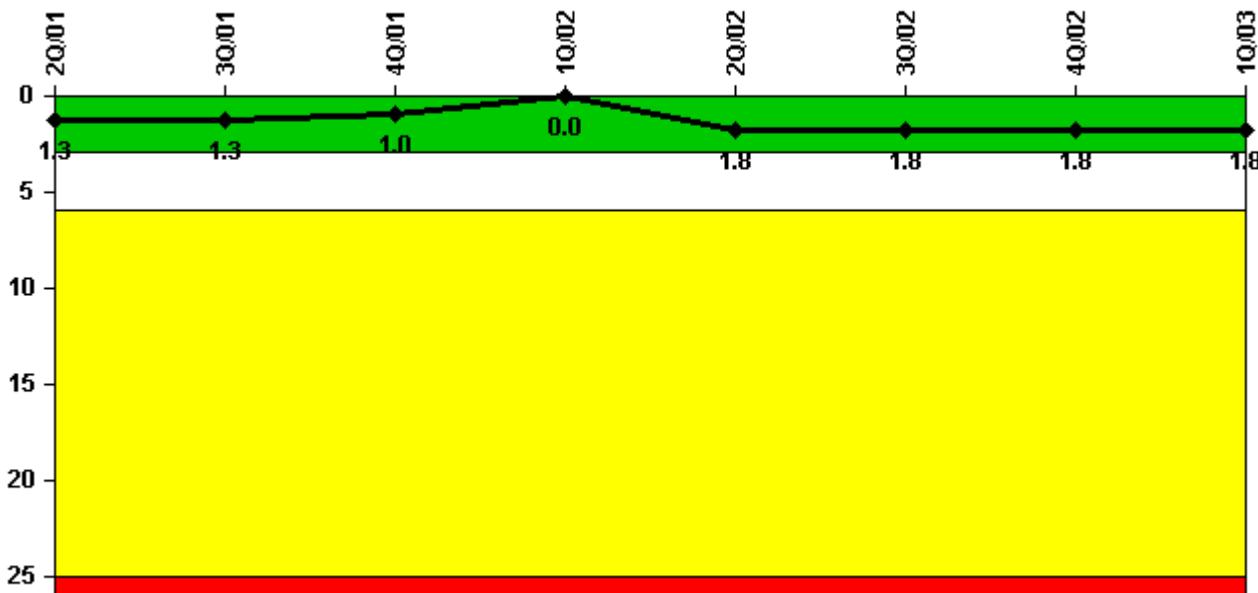
Last Modified: January 30, 2003

Summer

1Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

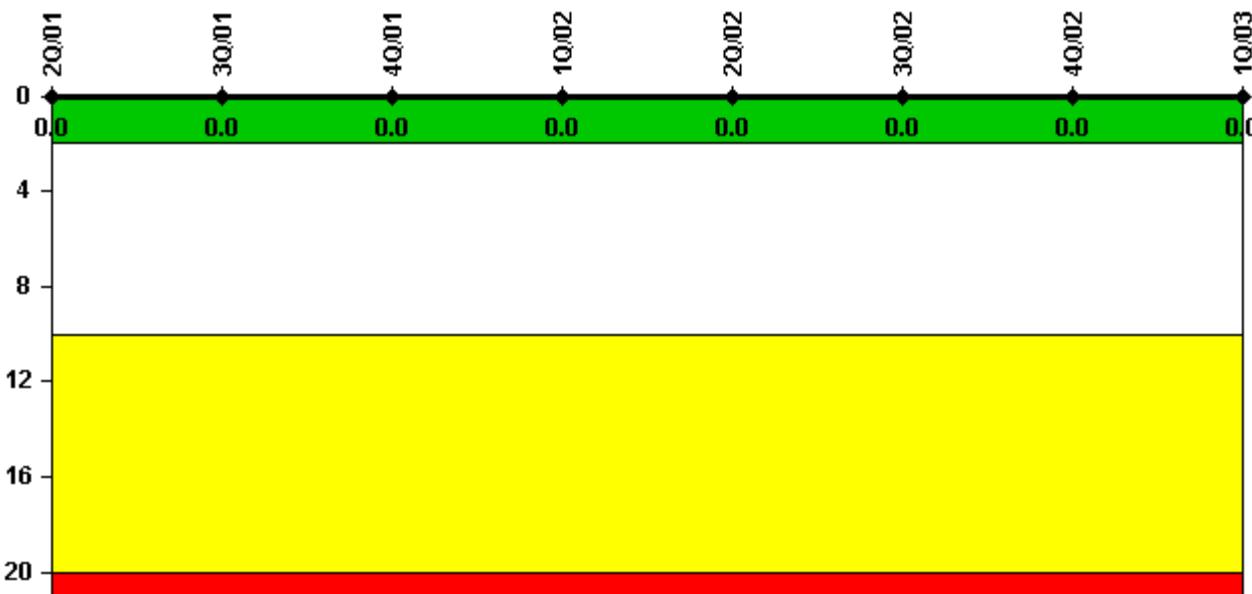


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0	0	0
Critical hours	2183.0	2208.0	2209.0	2160.0	1123.0	2208.0	2209.0	2160.0
Indicator value	1.3	1.3	1.0	0	1.8	1.8	1.8	1.8

Licensee Comments: none

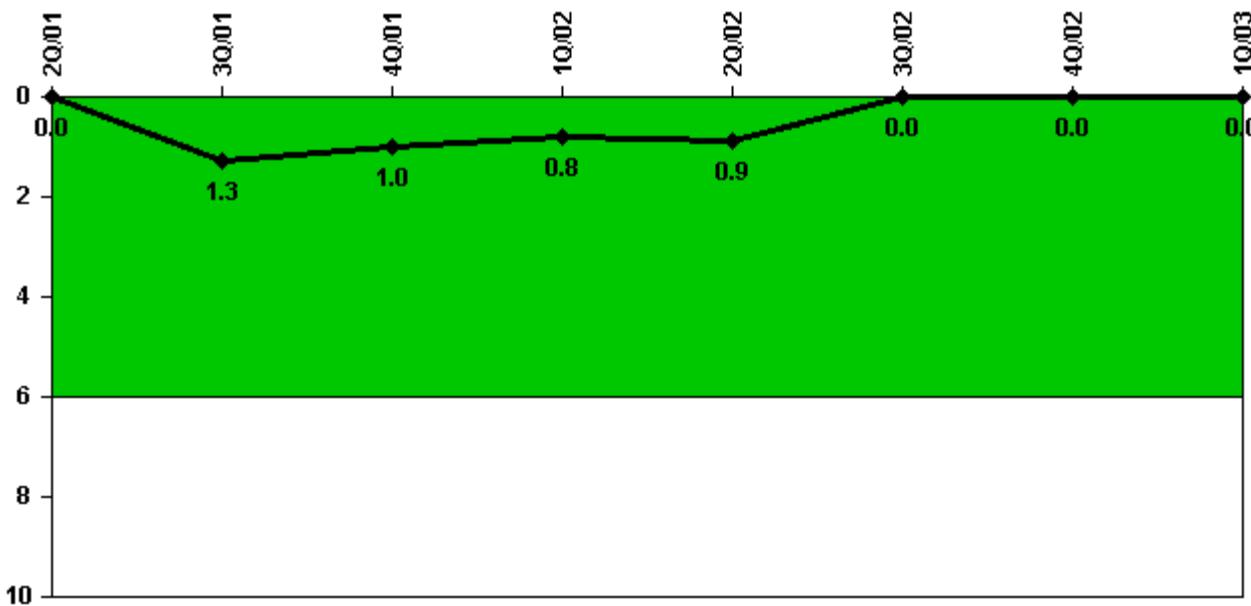
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

Unplanned Power Changes per 7000 Critical Hrs

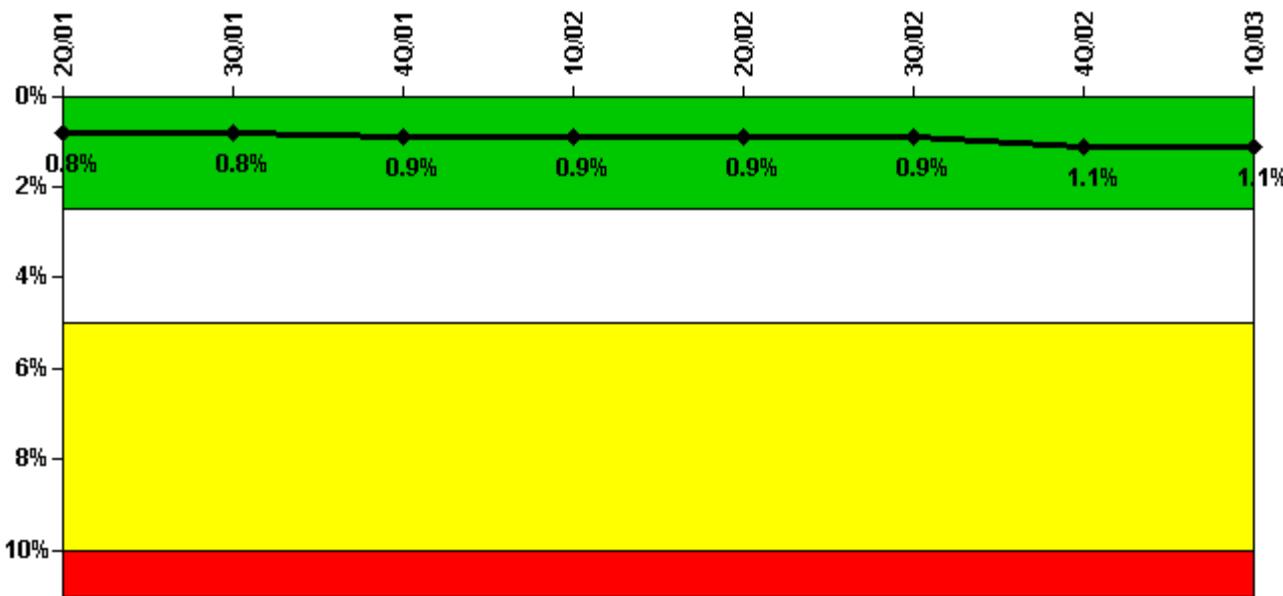
Thresholds: White > 6.0

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	1.0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	2209.0	2160.0	1123.0	2208.0	2209.0	2160.0
Indicator value	0	1.3	1.0	0.8	0.9	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



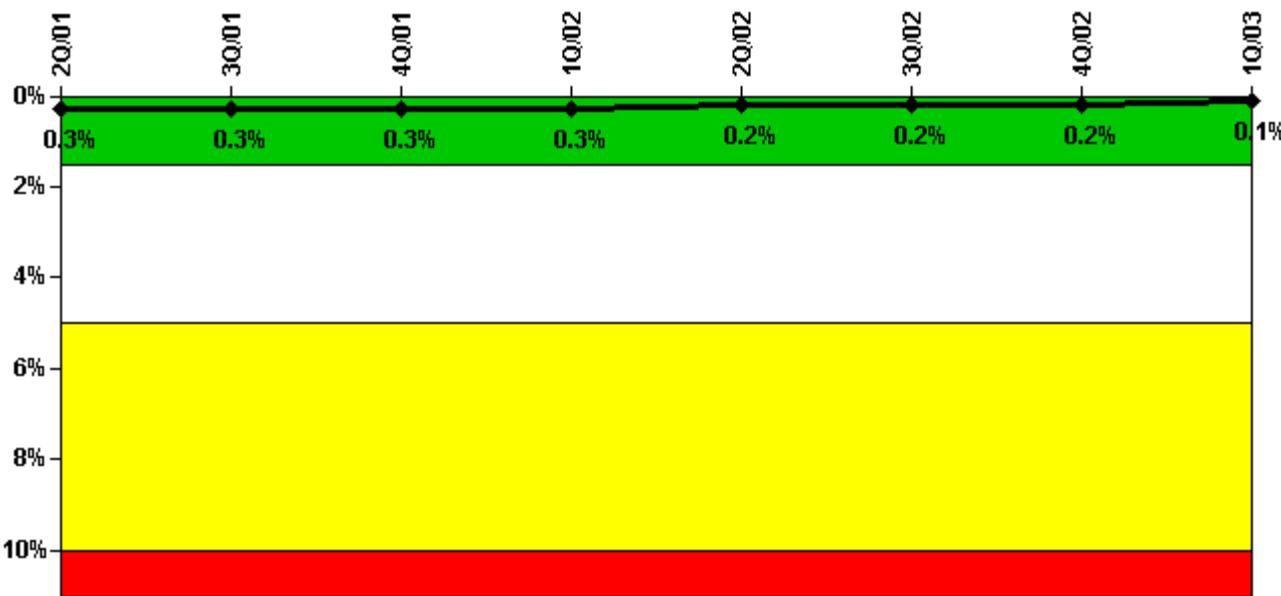
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	20.90	18.50	17.50	12.60	0.40	13.60	30.30	25.20
Unplanned unavailable hours	0	0	5.10	0	0	42.30	21.80	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	15.40	17.50	66.10	12.90	0.40	15.10	13.70	12.30
Unplanned unavailable hours	0	0	0	0	0	0	0	61.70
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.8%	0.8%	0.9%	0.9%	0.9%	0.9%	1.1%	1.1%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



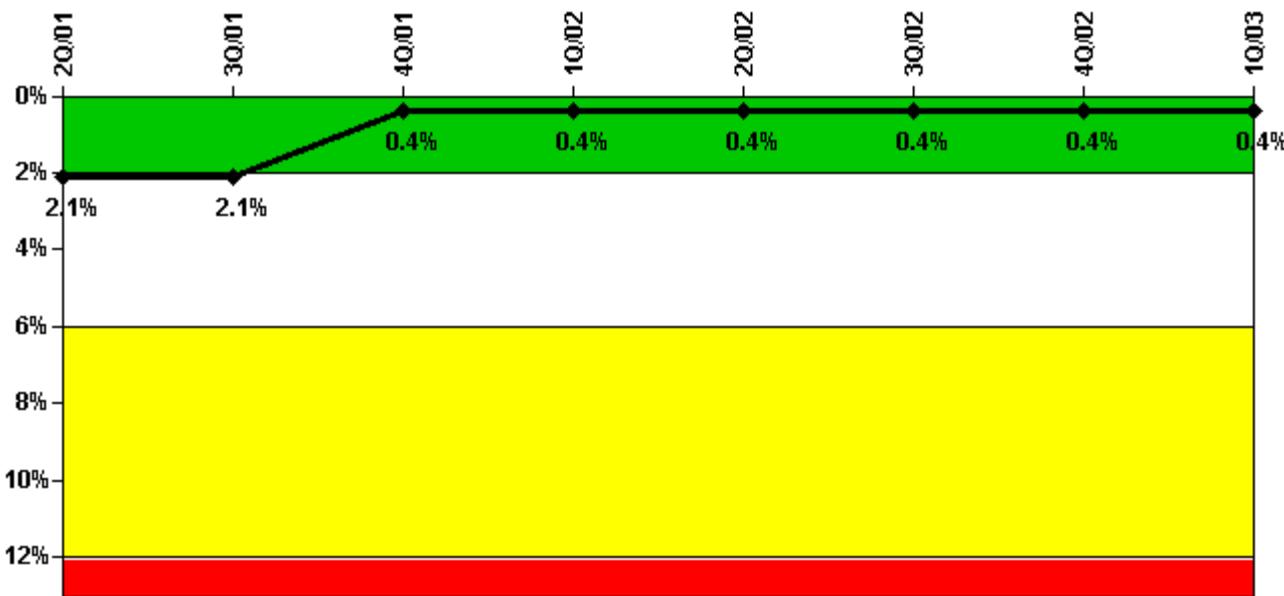
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	0.25	0.25	0.50	0.50	0.50	0.25	0.25	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2140.50	2208.00	2209.00	2160.00	1123.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0.25	0.50	0.25	0.50	0.25	3.25	0.25	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2140.50	2208.00	2209.00	2160.00	1123.00	2208.00	2209.00	2160.00
Indicator value	0.3%	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%	0.1%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



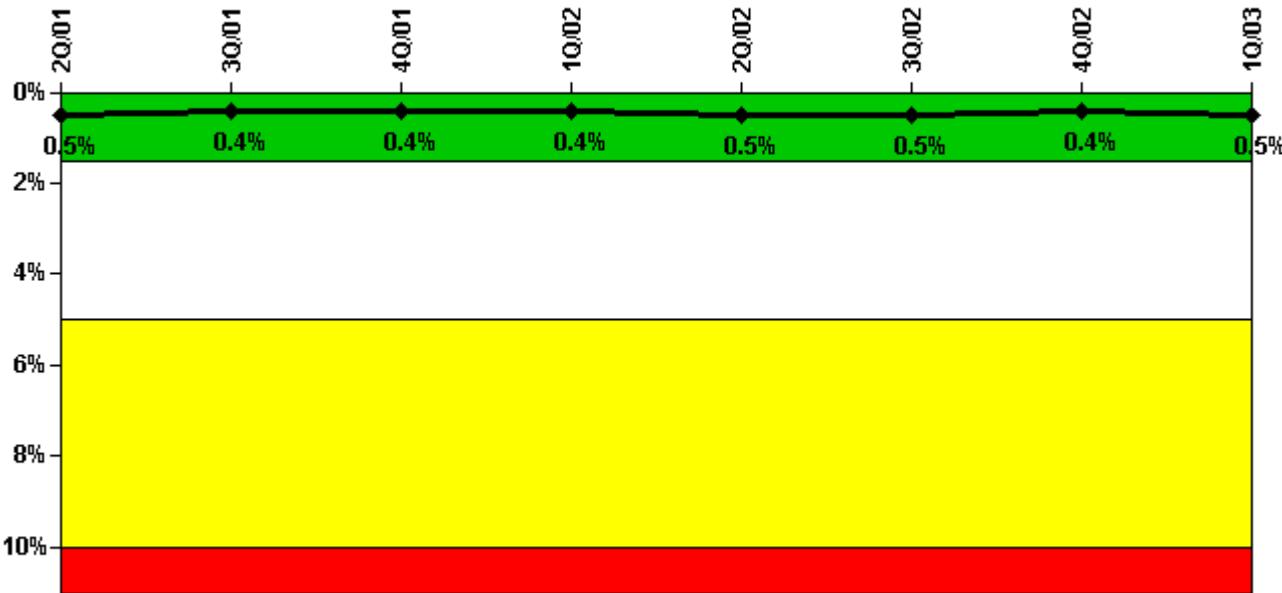
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	8.20	20.30	23.30	9.50	3.30	12.20	0	10.80
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1123.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	7.80	18.50	0	0	14.50	10.80	0	10.20
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	2183.00	2208.00	2209.00	2160.00	1123.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	9.10	0	16.30	11.20	18.60	0	11.90	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	1157.00	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	1123.00	2208.00	2209.00	2160.00
Indicator value	2.1%	2.1%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

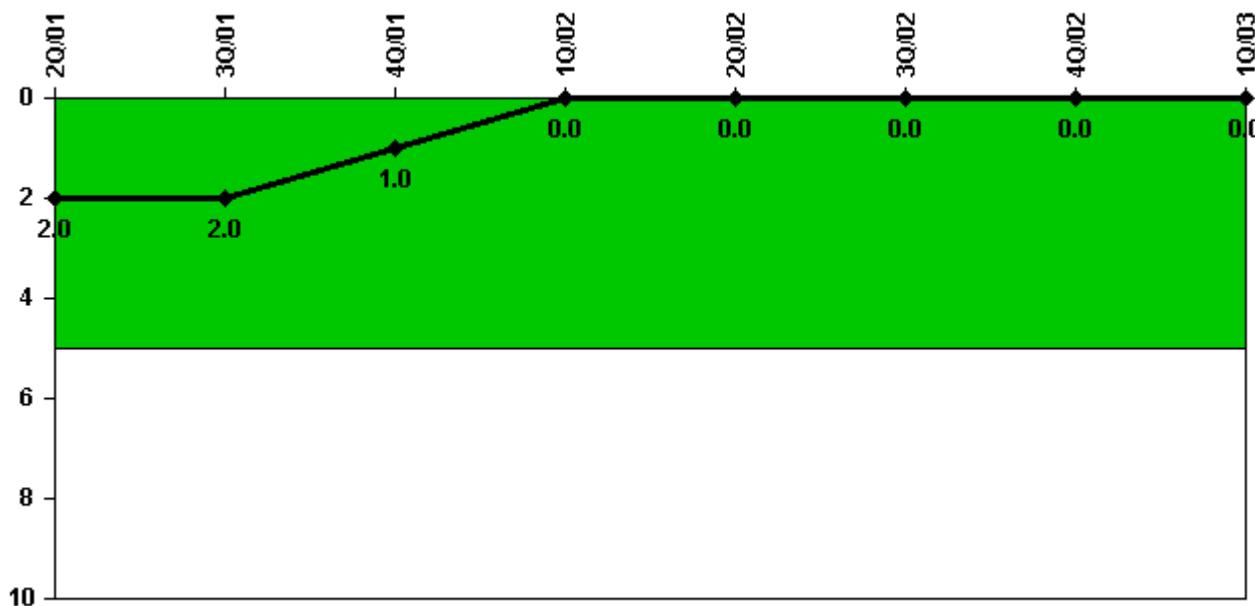


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	13.50	12.50	8.10	15.70	35.10	10.90	8.80	15.20
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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	14.70	0	10.00	11.40	8.00	15.20	10.00	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.5%	0.4%	0.4%	0.4%	0.5%	0.5%	0.4%	0.5%

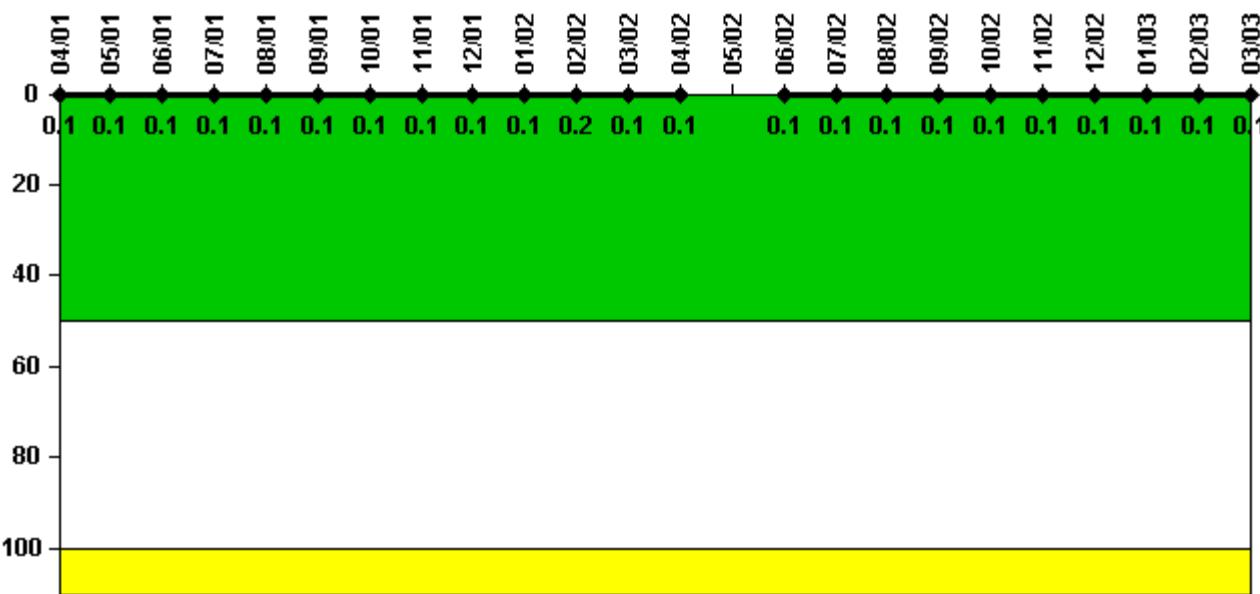
Licensee Comments: none

Safety System Functional Failures (PWR)**Thresholds:** White > 5.0**Notes**

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

Licensee Comments: none

Reactor Coolant System Activity



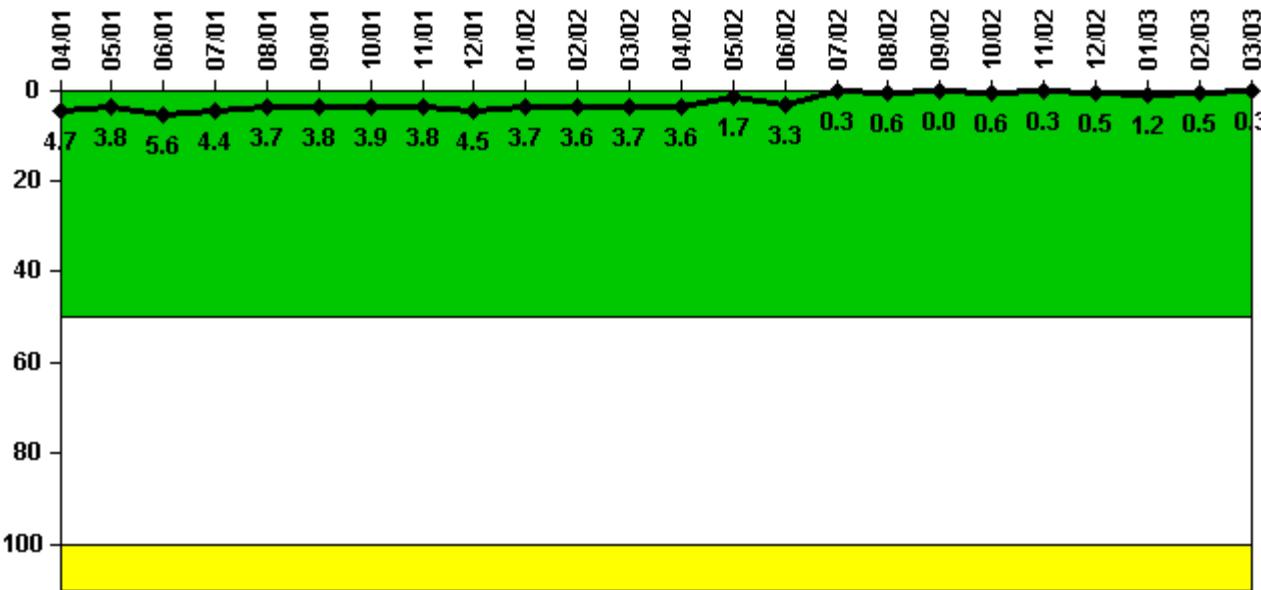
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum activity	0.000281	0.000276	0.000275	0.000290	0.000362	0.000314	0.000340	0.000341	0.000360	0.000363	0.000680	0.000384
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.2	0.1									
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	0.000386	N/A	0.000216	0.000228	0.000234	0.000253	0.000260	0.000269	0.000281	0.000291	0.000296	0.000317
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	N/A	0.1									

Licensee Comments: none

Reactor Coolant System Leakage



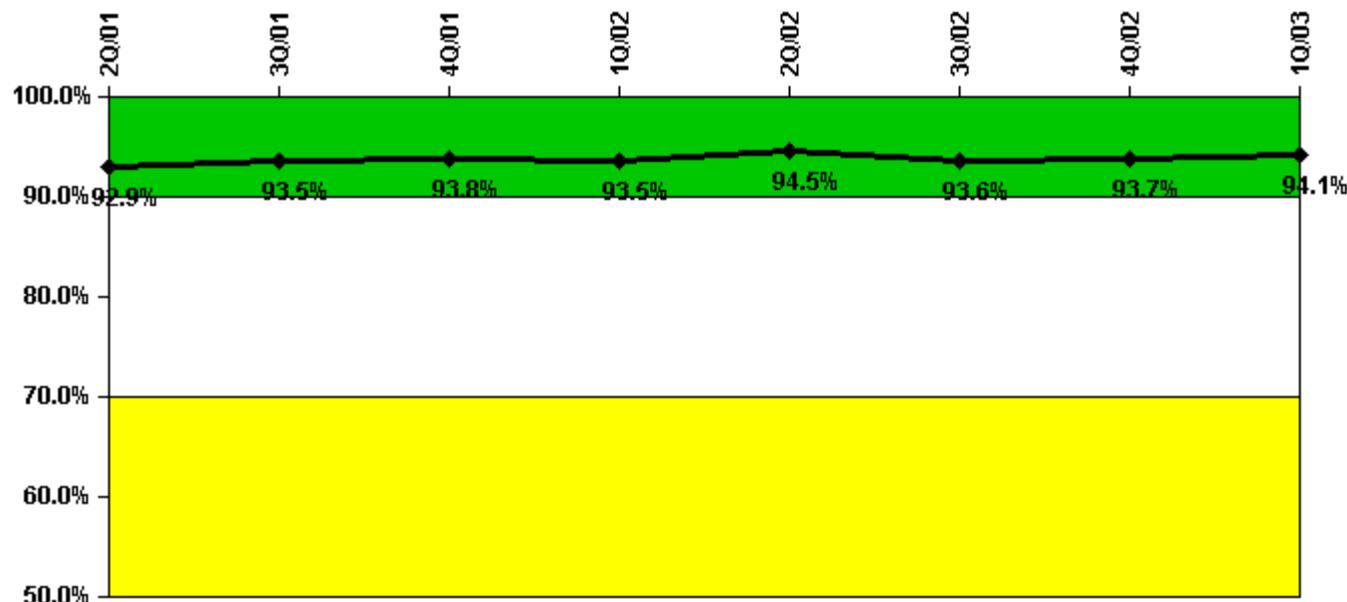
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum leakage	0.470	0.380	0.560	0.440	0.370	0.380	0.390	0.380	0.450	0.370	0.360	0.370
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	4.7	3.8	5.6	4.4	3.7	3.8	3.9	3.8	4.5	3.7	3.6	3.7

Reactor Coolant System Leakage	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum leakage	0.360	0.170	0.330	0.030	0.060	0	0.060	0.030	0.050	0.120	0.050	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	3.6	1.7	3.3	0.3	0.6	0	0.6	0.3	0.5	1.2	0.5	0.3

Licensee Comments: none

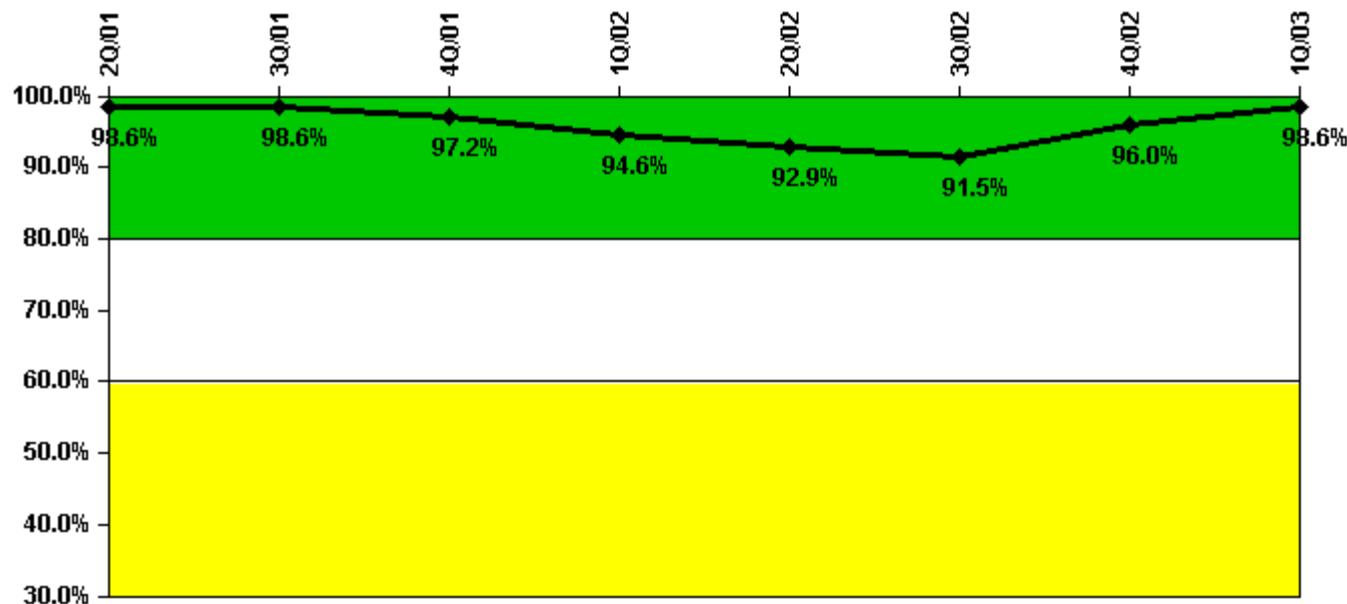
Drill/Exercise Performance

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	32.0	28.0	29.0	29.0	15.0	18.0	16.0	25.0
Total opportunities	39.0	28.0	29.0	29.0	15.0	21.0	17.0	26.0
Indicator value	92.9%	93.5%	93.8%	93.5%	94.5%	93.6%	93.7%	94.1%

Licensee Comments: none

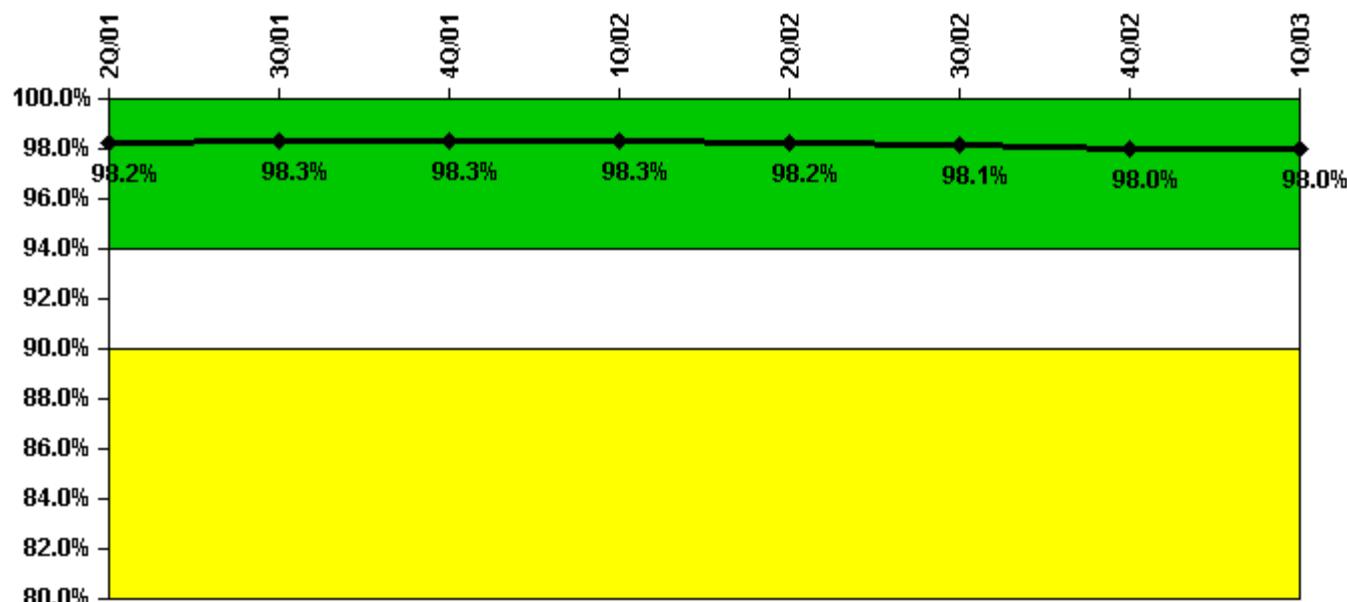
ERO Drill Participation

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	70.0	69.0	70.0	70.0	65.0	65.0	72.0	68.0
Total Key personnel	71.0	70.0	72.0	74.0	70.0	71.0	75.0	69.0
Indicator value	98.6%	98.6%	97.2%	94.6%	92.9%	91.5%	96.0%	98.6%

Licensee Comments: none

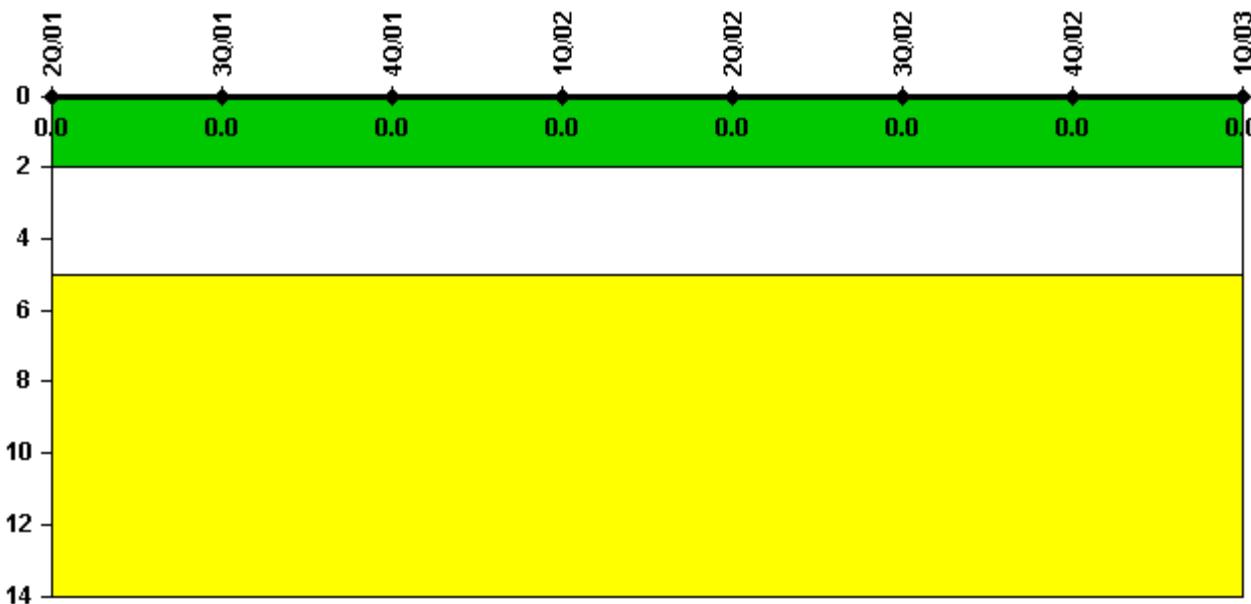
Alert & Notification System

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	1660	1652	1781	1572	1658	1746	1670	1674
Total sirens-tests	1696	1694	1802	1590	1696	1802	1695	1696
Indicator value	98.2%	98.3%	98.3%	98.3%	98.2%	98.1%	98.0%	98.0%

Licensee Comments: none

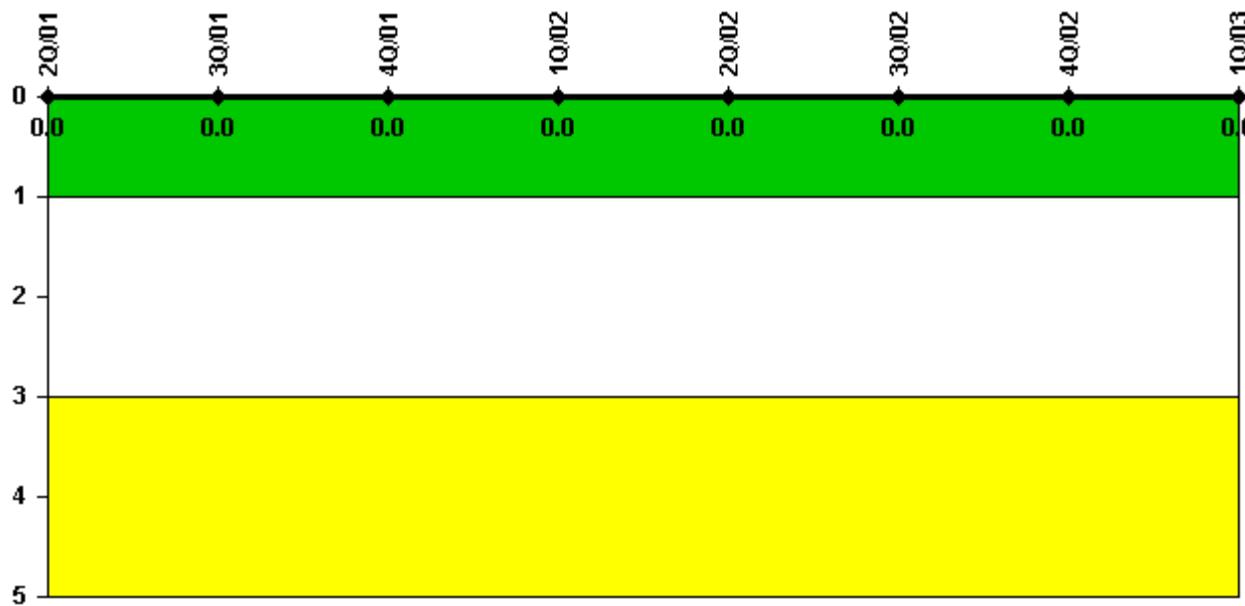
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

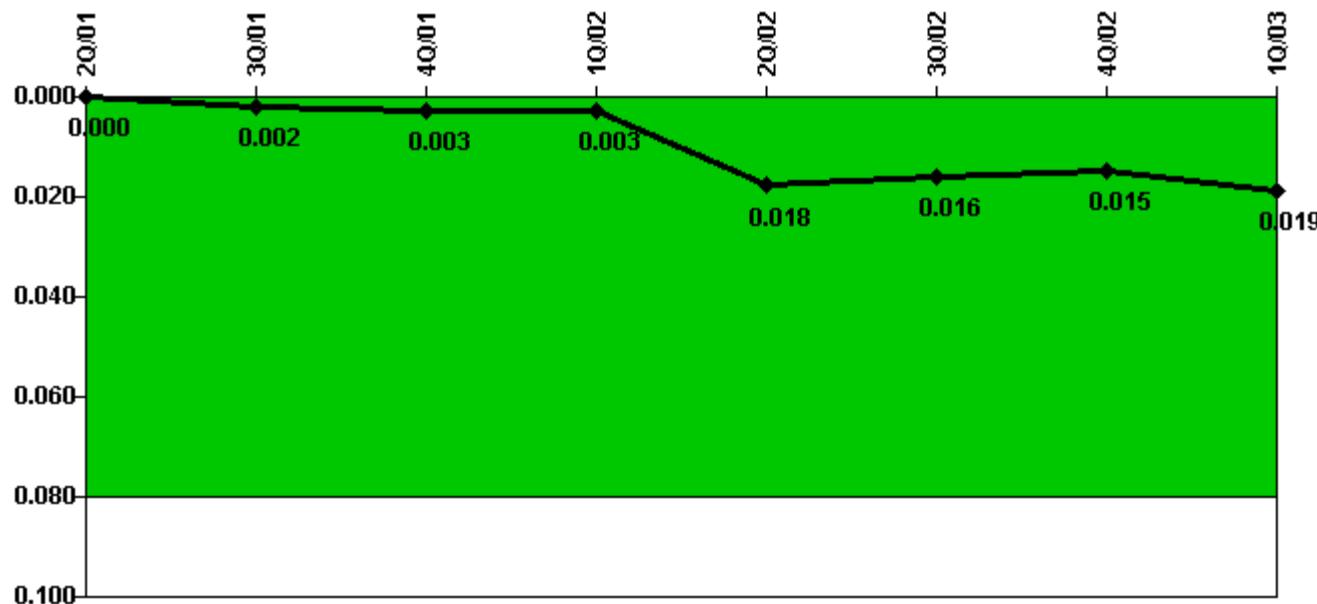
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



Thresholds: White > 0.080

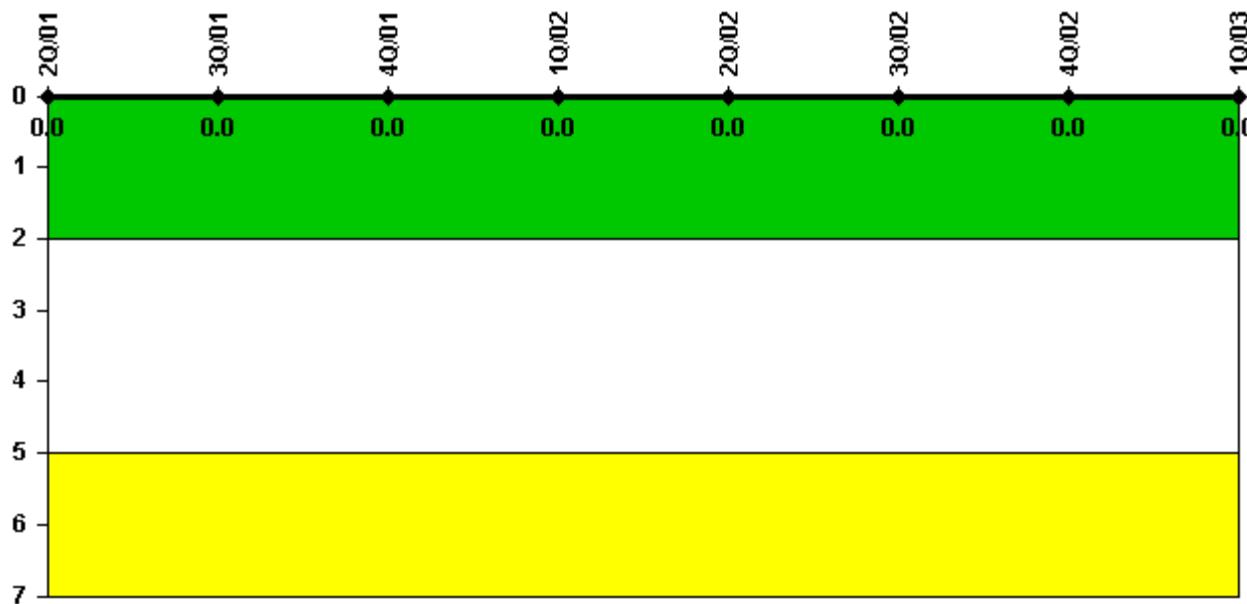
Notes

Protected Area Security Performance Index	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
IDS compensatory hours	1.60	37.00	25.20	1.00	291.10	0	2.18	83.72
CCTV compensatory hours	0	0	1.9	0	0	0.9	0	0
IDS normalization factor	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0	0.002	0.003	0.003	0.018	0.016	0.015	0.019

Licensee Comments:

1Q/03: A review of data for August 2001, September 2001 and October 2001 indicated that there were minimal errors in the calcualtion for IDS Compensatory Hours. This data has been revised.

Personnel Screening Program



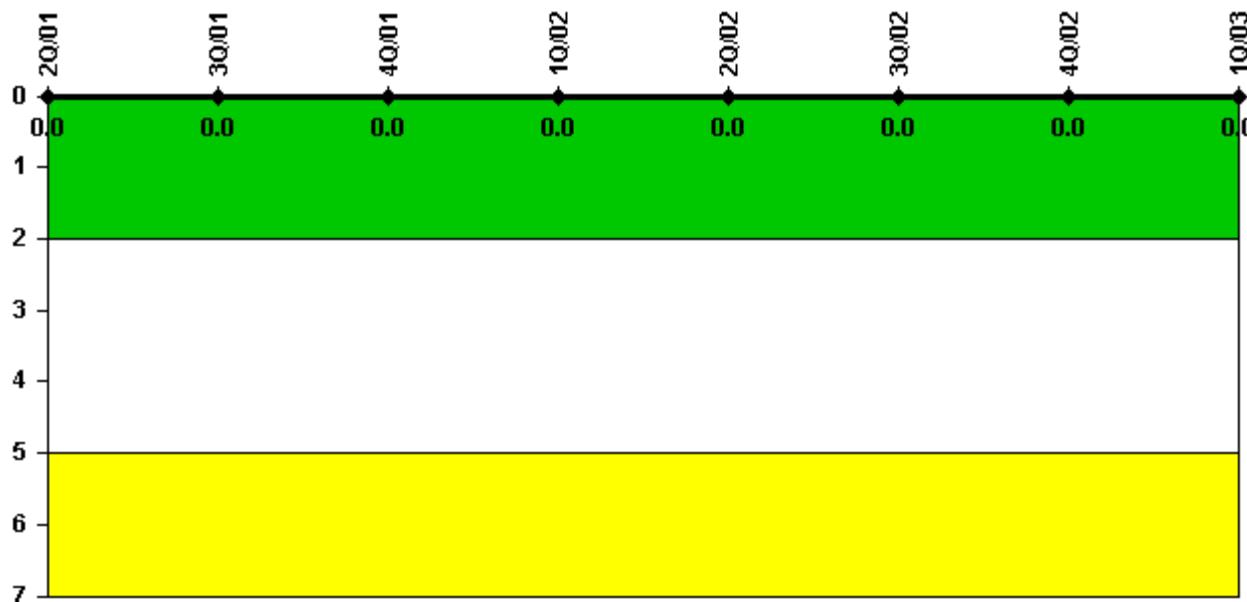
Thresholds: White > 2.0 Yellow > 5.0

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:

1Q/03: LER 2003-S01-00 was submitted under 10CFR 73 Appendix G. The circumstances surrounding the report were not failures of the program required by 73.56 and 73.57 and therefore were not reportable under the requirements of the Performance Indicator program.

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none



[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

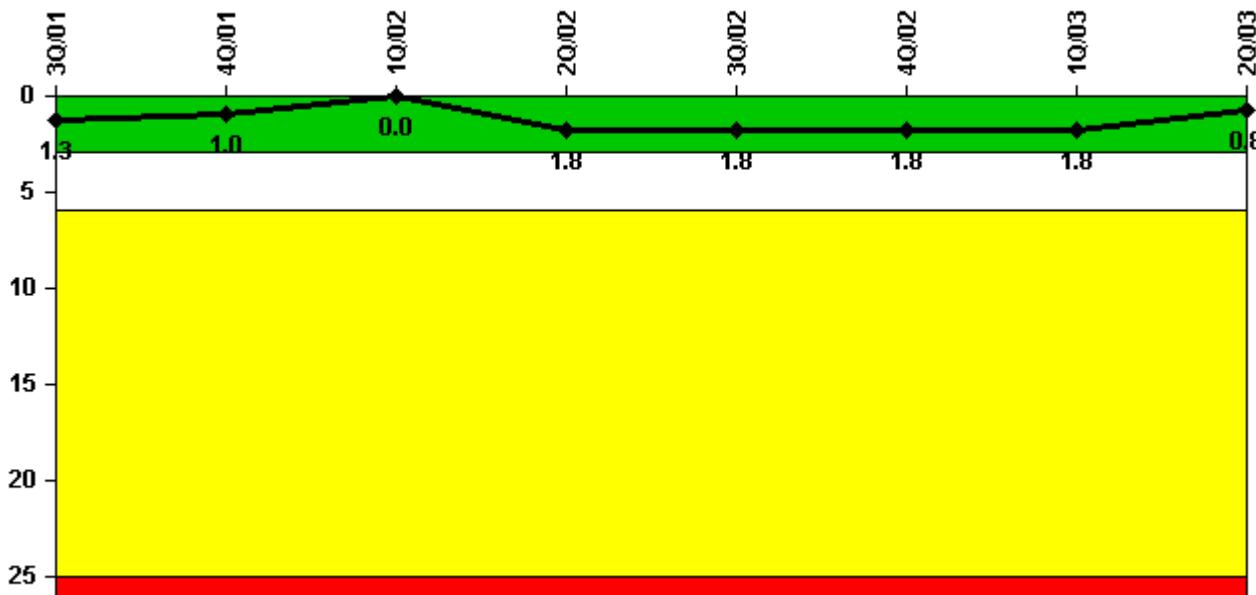
Last Modified: April 22, 2003

Summer

2Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

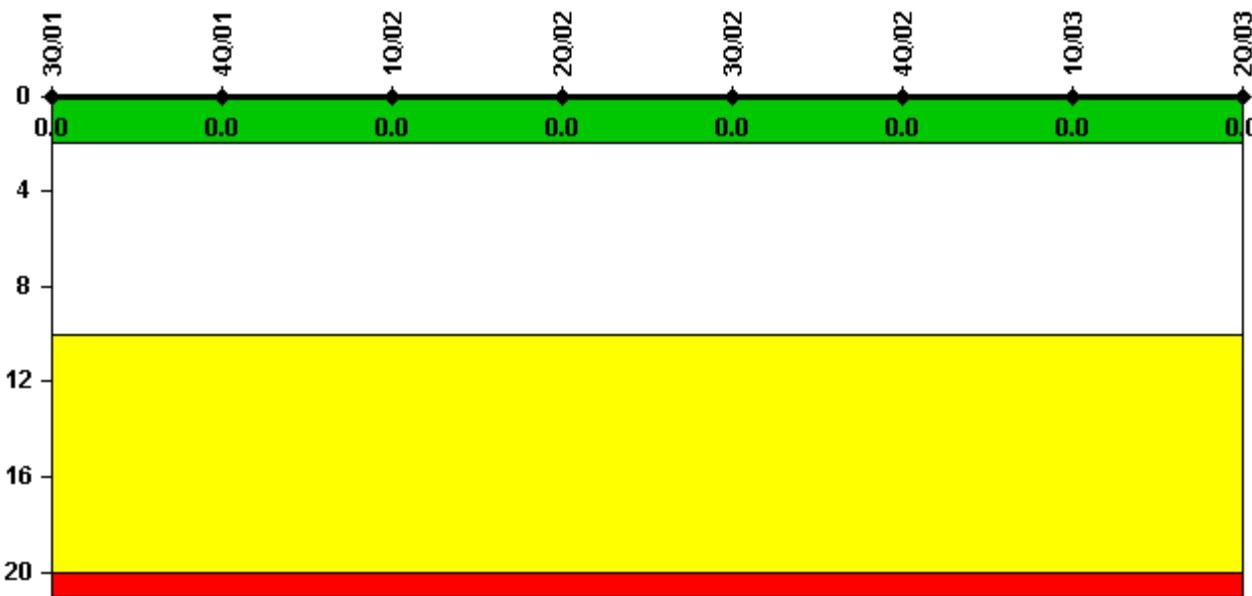


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0	0	0	1.0
Critical hours	2208.0	2209.0	2160.0	1123.0	2208.0	2209.0	2160.0	2114.7
Indicator value	1.3	1.0	0	1.8	1.8	1.8	1.8	0.8

Licensee Comments: none

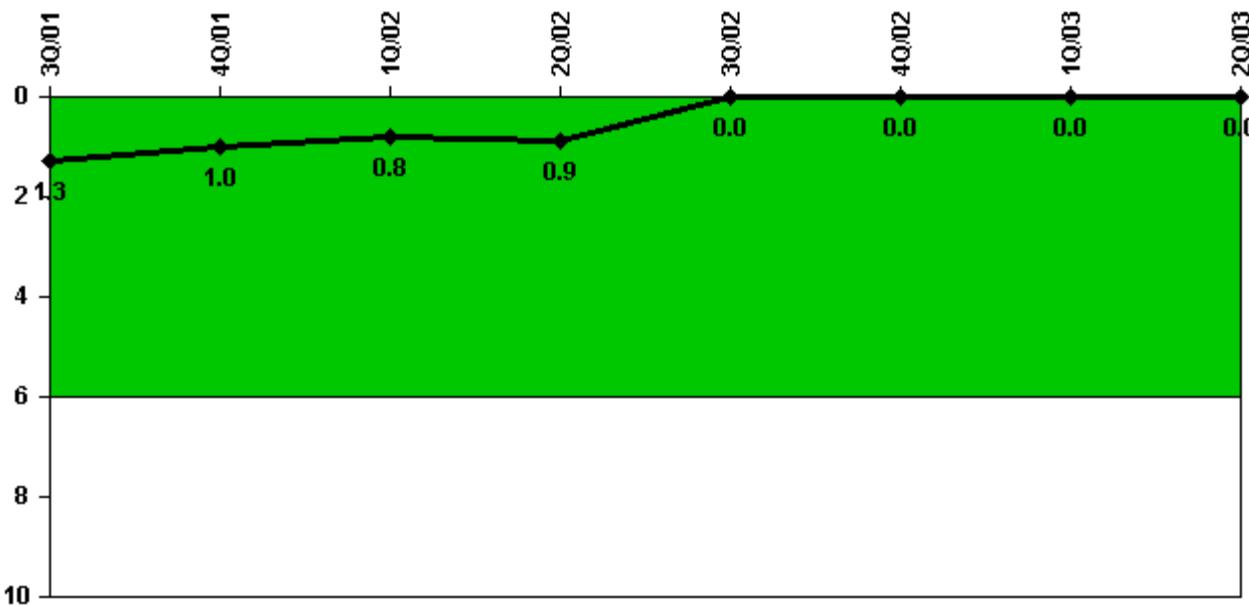
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/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

Unplanned Power Changes per 7000 Critical Hrs

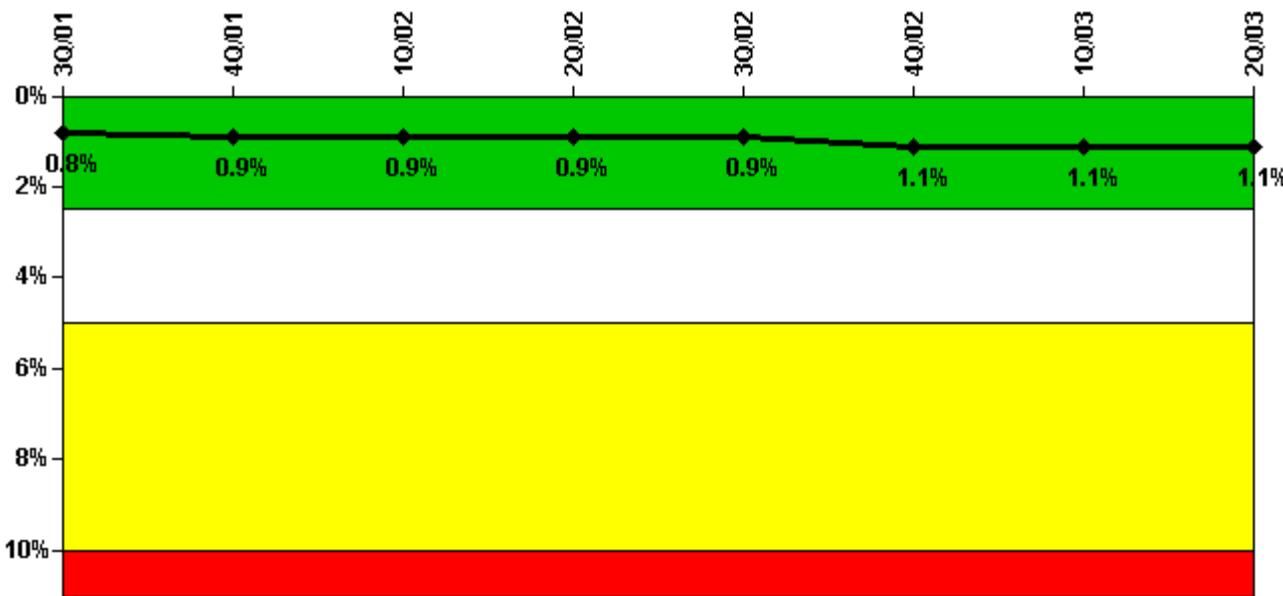
Thresholds: White > 6.0

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	1.0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2160.0	1123.0	2208.0	2209.0	2160.0	2114.7
Indicator value	1.3	1.0	0.8	0.9	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



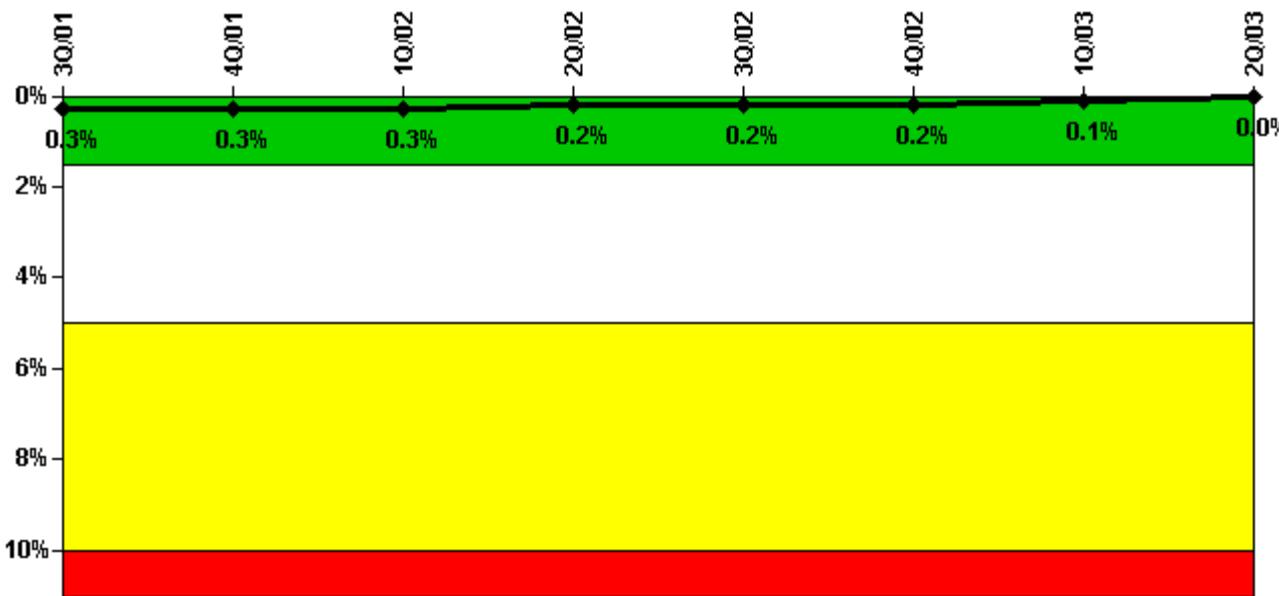
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	18.50	17.50	12.60	0.40	13.60	30.30	25.20	14.20
Unplanned unavailable hours	0	5.10	0	0	42.30	21.80	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	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	17.50	66.10	12.90	0.40	15.10	13.70	12.30	38.80
Unplanned unavailable hours	0	0	0	0	0	0	61.70	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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	0.8%	0.9%	0.9%	0.9%	0.9%	1.1%	1.1%	1.1%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



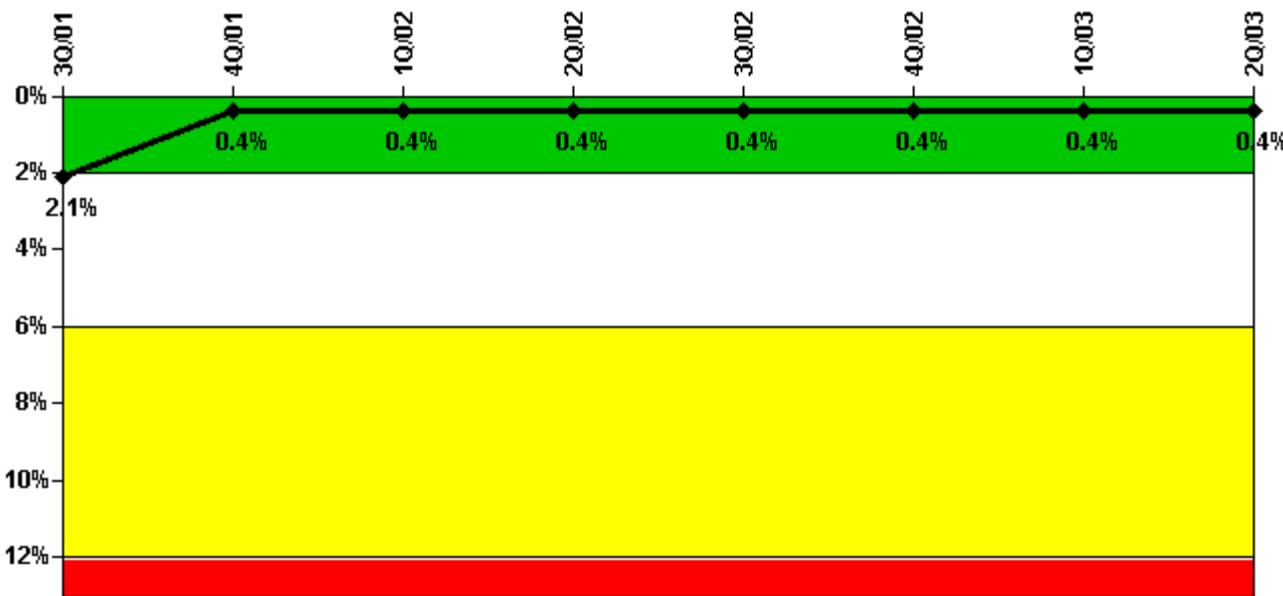
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	0.25	0.50	0.50	0.50	0.25	0.25	0.25	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1123.00	2208.00	2209.00	2160.00	2114.70
Train 2								
Planned unavailable hours	0.50	0.25	0.50	0.25	3.25	0.25	0.25	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1123.00	2208.00	2209.00	2160.00	2114.70
Indicator value	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%	0.1%	0%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



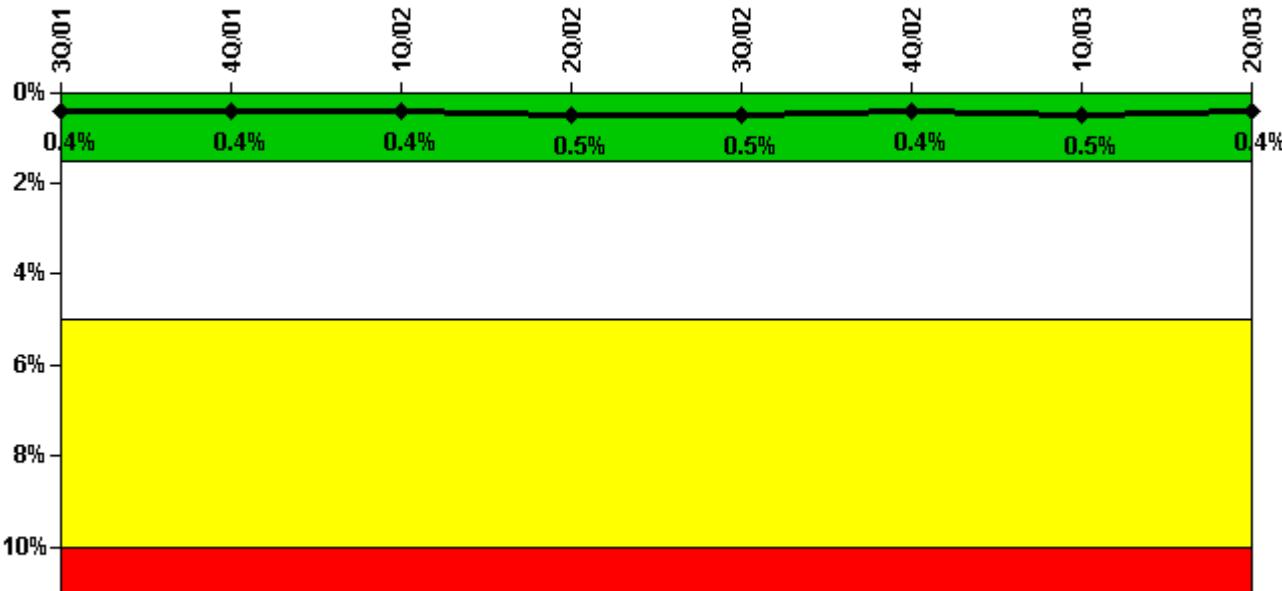
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	20.30	23.30	9.50	3.30	12.20	0	10.80	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1123.00	2208.00	2209.00	2160.00	2114.70
Train 2								
Planned unavailable hours	18.50	0	0	14.50	10.80	0	10.20	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1123.00	2208.00	2209.00	2160.00	2114.70
Train 3								
Planned unavailable hours	0	16.30	11.20	18.60	0	11.90	0	10.20
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	1157.00	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	1123.00	2208.00	2209.00	2160.00	2114.70
Indicator value	2.1%	0.4%						

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

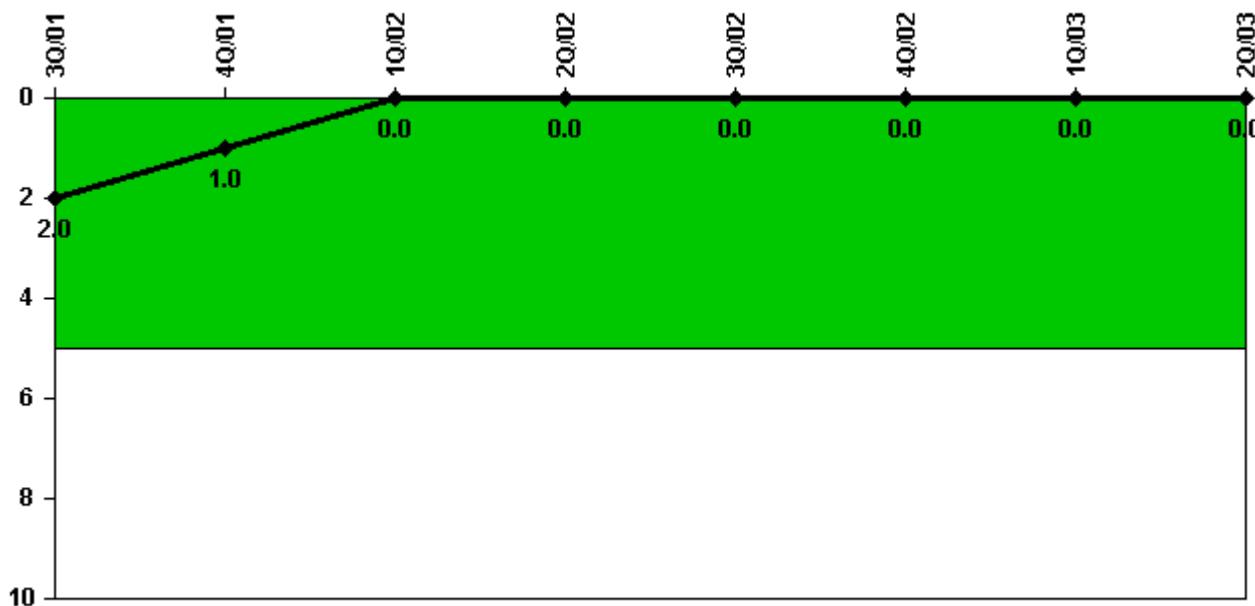


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	12.50	8.10	15.70	35.10	10.90	8.80	15.20	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	0	10.00	11.40	8.00	15.20	10.00	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	0.4%	0.4%	0.4%	0.5%	0.5%	0.4%	0.5%	0.4%

Licensee Comments: none

Safety System Functional Failures (PWR)

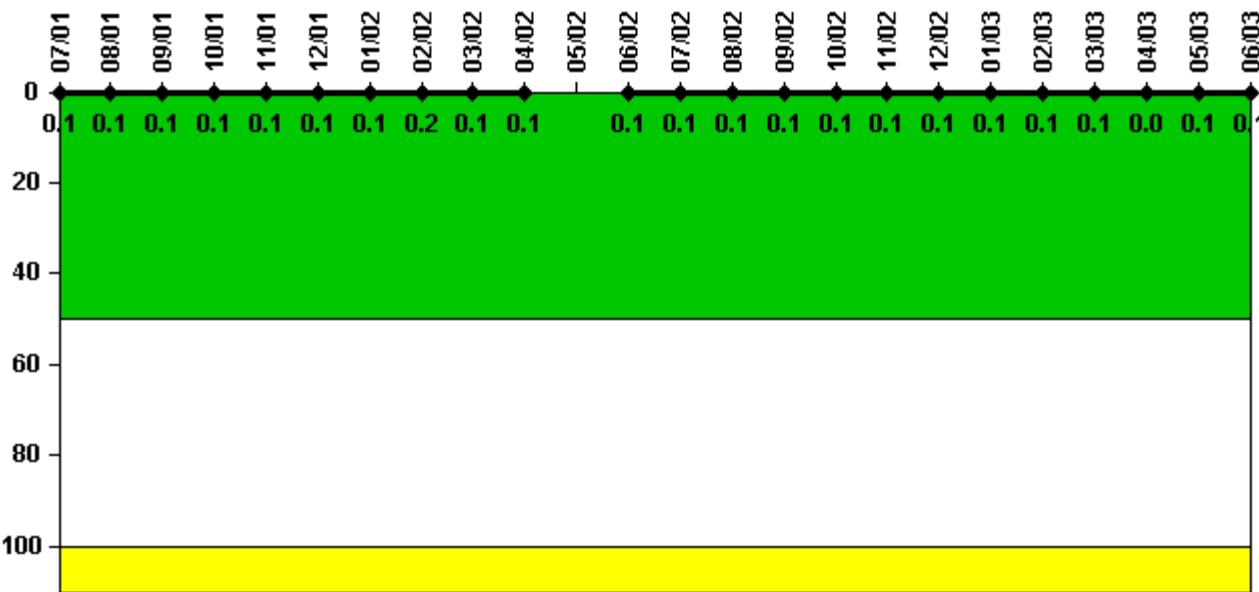
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

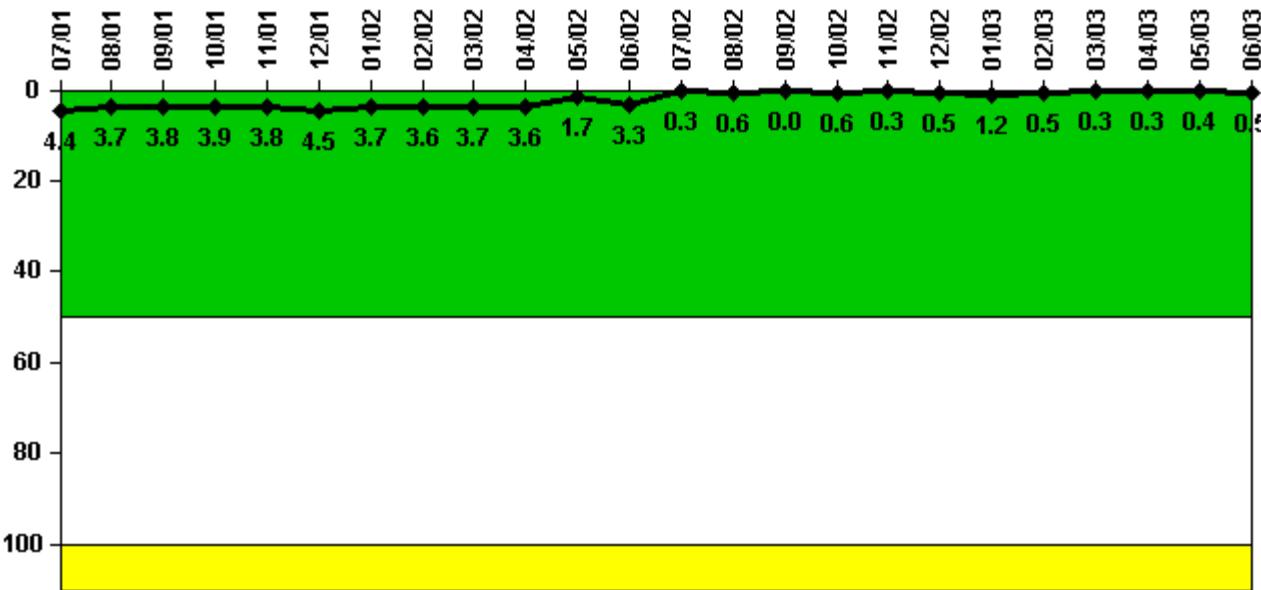
Notes

Reactor Coolant System Activity	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum activity	0.000290	0.000362	0.000314	0.000340	0.000341	0.000360	0.000363	0.000680	0.000384	0.000386	N/A	0.000216
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	N/A	0.1

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	0.000228	0.000234	0.000253	0.000260	0.000269	0.000281	0.000291	0.000296	0.000317	0.000302	0.001080	0.000523
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



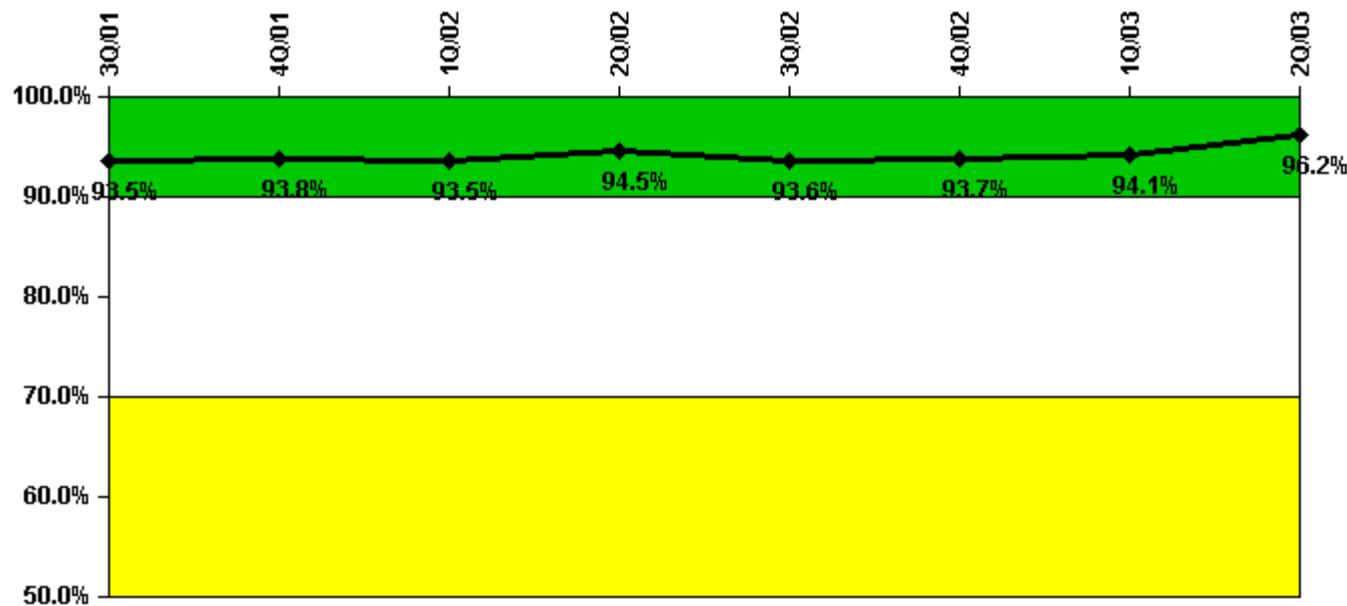
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum leakage	0.440	0.370	0.380	0.390	0.380	0.450	0.370	0.360	0.370	0.360	0.170	0.330
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	4.4	3.7	3.8	3.9	3.8	4.5	3.7	3.6	3.7	3.6	1.7	3.3

Reactor Coolant System Leakage	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum leakage	0.030	0.060	0	0.060	0.030	0.050	0.120	0.050	0.030	0.030	0.040	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.6	0	0.6	0.3	0.5	1.2	0.5	0.3	0.3	0.4	0.5

Licensee Comments: none

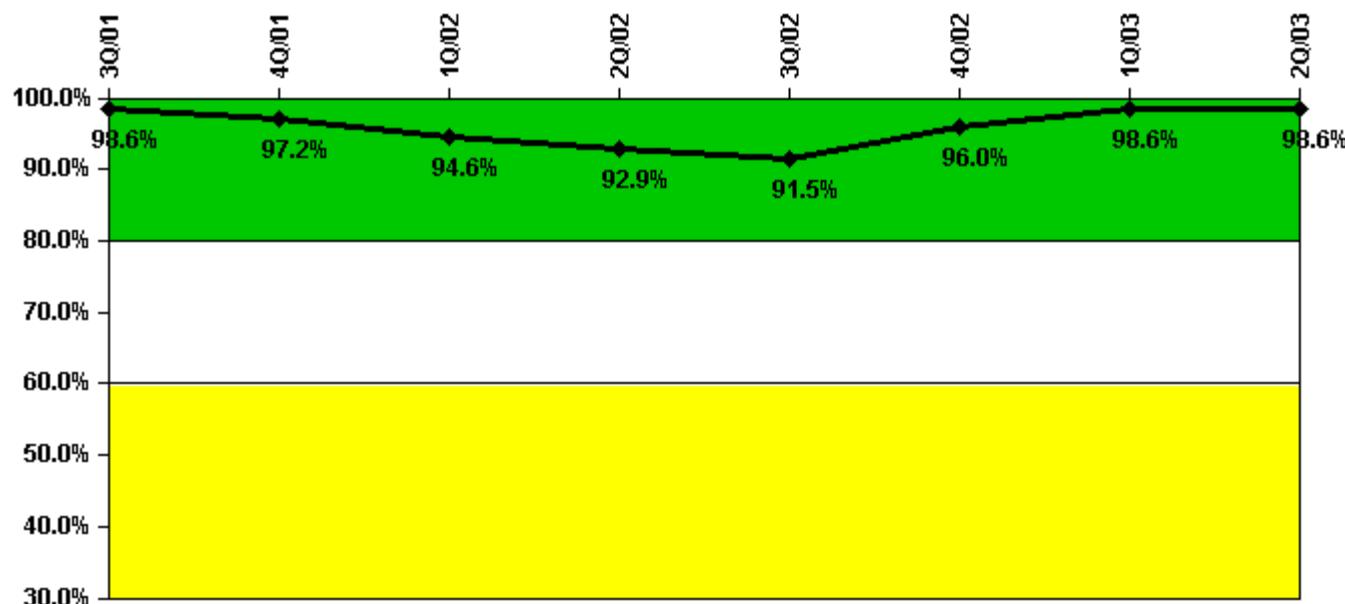
Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful opportunities	28.0	29.0	29.0	15.0	18.0	16.0	25.0	16.0
Total opportunities	28.0	29.0	29.0	15.0	21.0	17.0	26.0	18.0
Indicator value	93.5%	93.8%	93.5%	94.5%	93.6%	93.7%	94.1%	96.2%

Licensee Comments: none

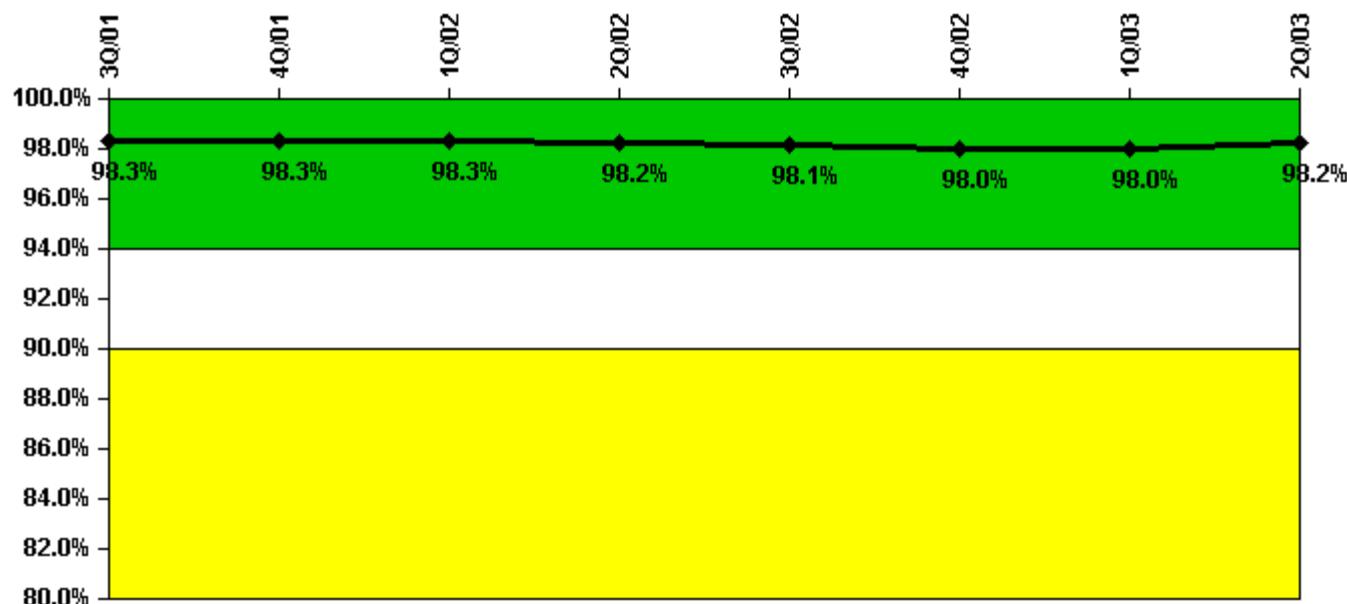
ERO Drill Participation

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	69.0	70.0	70.0	65.0	65.0	72.0	68.0	68.0
Total Key personnel	70.0	72.0	74.0	70.0	71.0	75.0	69.0	69.0
Indicator value	98.6%	97.2%	94.6%	92.9%	91.5%	96.0%	98.6%	98.6%

Licensee Comments: none

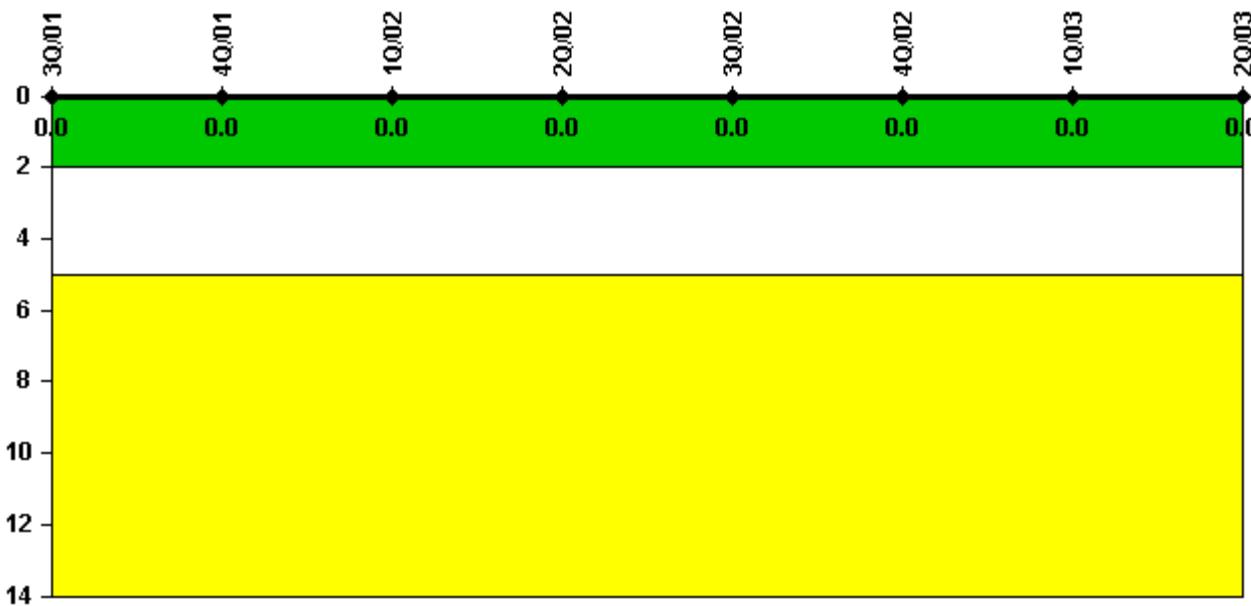
Alert & Notification System

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	1652	1781	1572	1658	1746	1670	1674	1670
Total sirens-tests	1694	1802	1590	1696	1802	1695	1696	1694
Indicator value	98.3%	98.3%	98.3%	98.2%	98.1%	98.0%	98.0%	98.2%

Licensee Comments: none

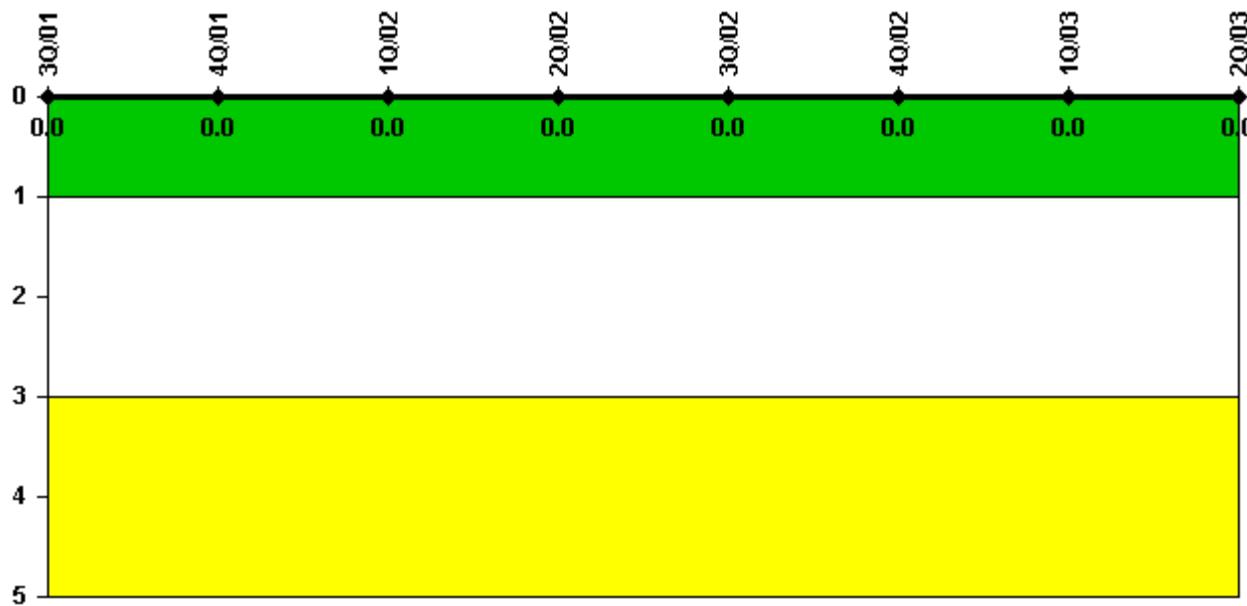
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

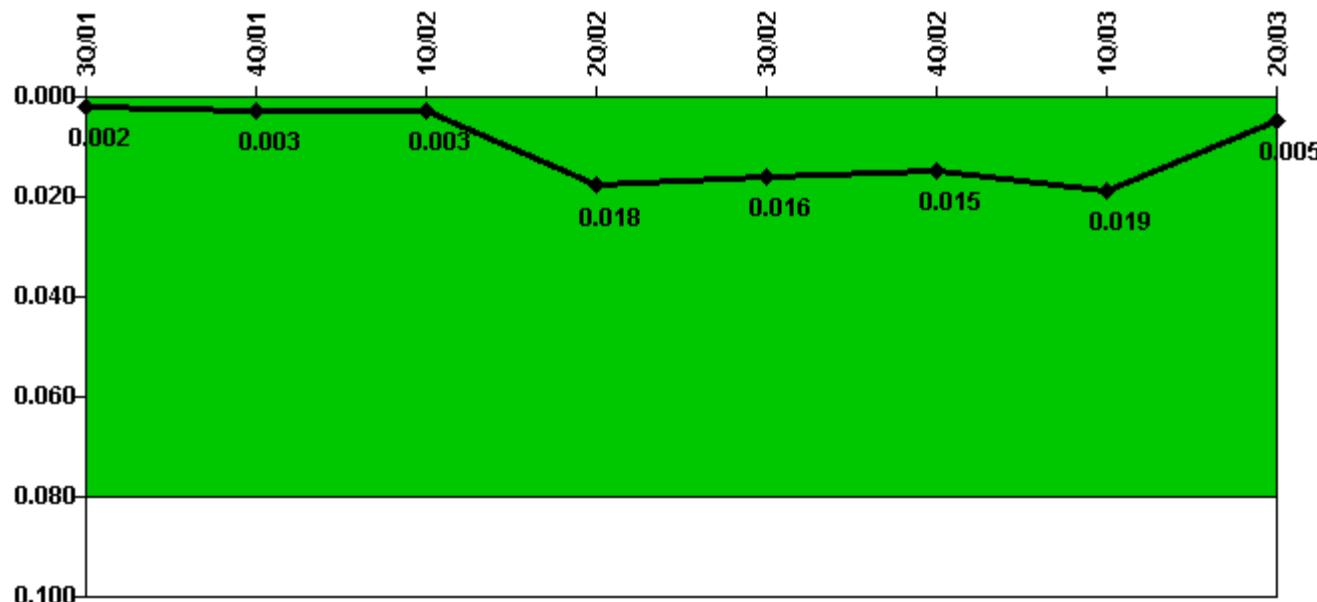
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



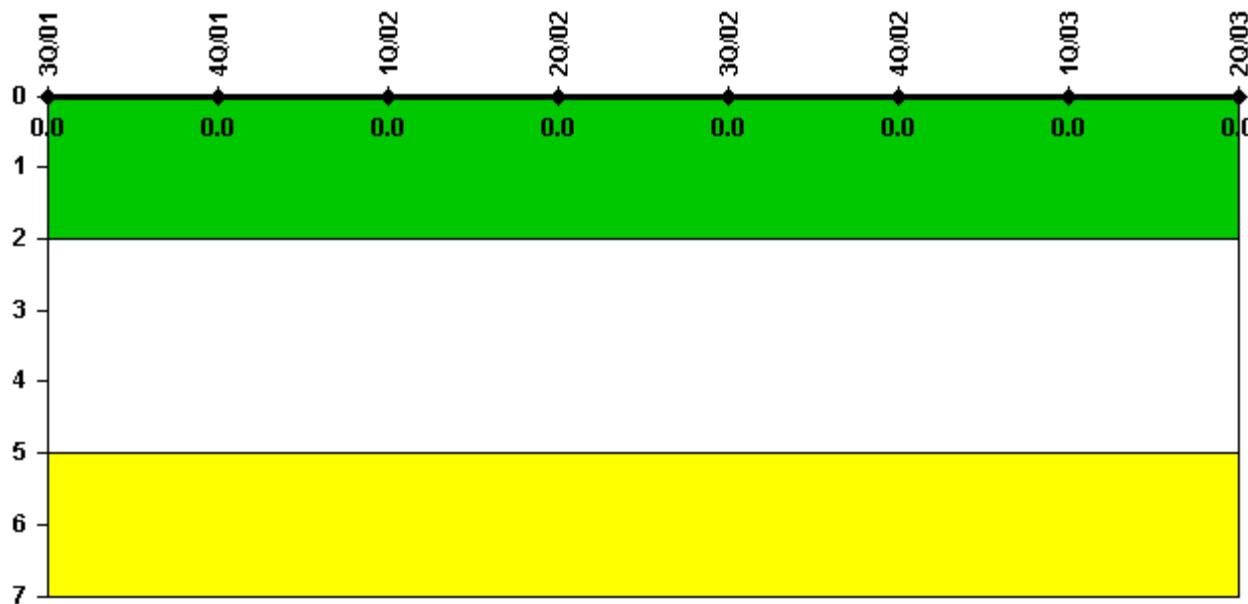
Thresholds: White > 0.080

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	37.00	25.20	1.00	291.10	0	2.18	83.72	10.56
CCTV compensatory hours	0	1.9	0	0	0.9	0	0	0
IDS normalization factor	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.002	0.003	0.003	0.018	0.016	0.015	0.019	0.005

Licensee Comments: none

Personnel Screening Program

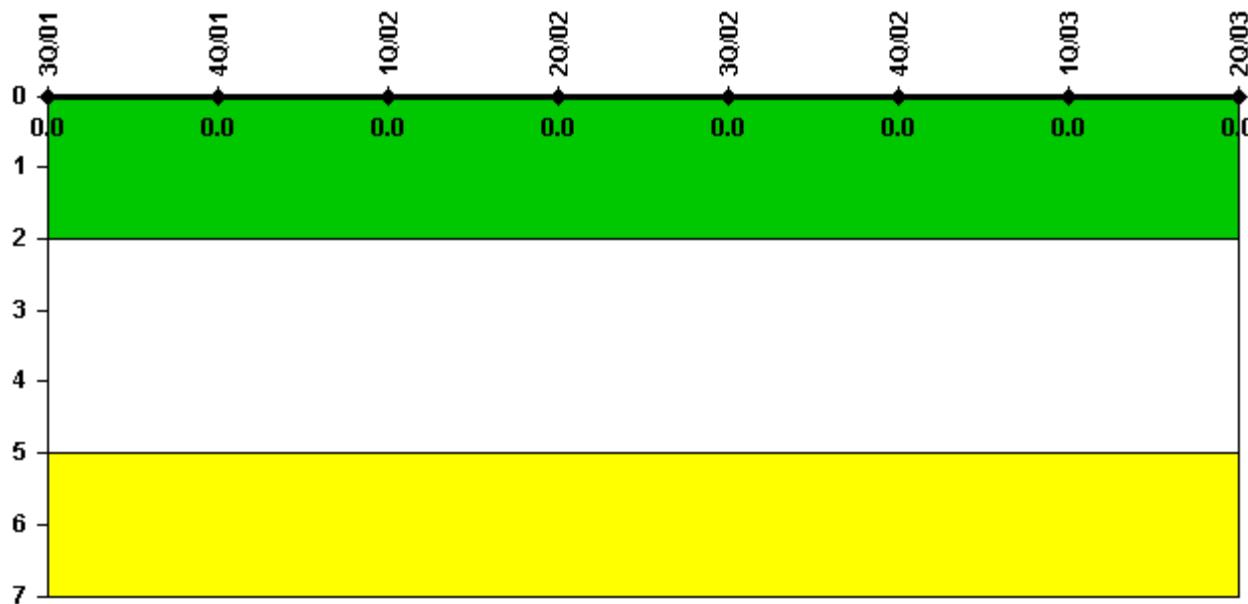


Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none



[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

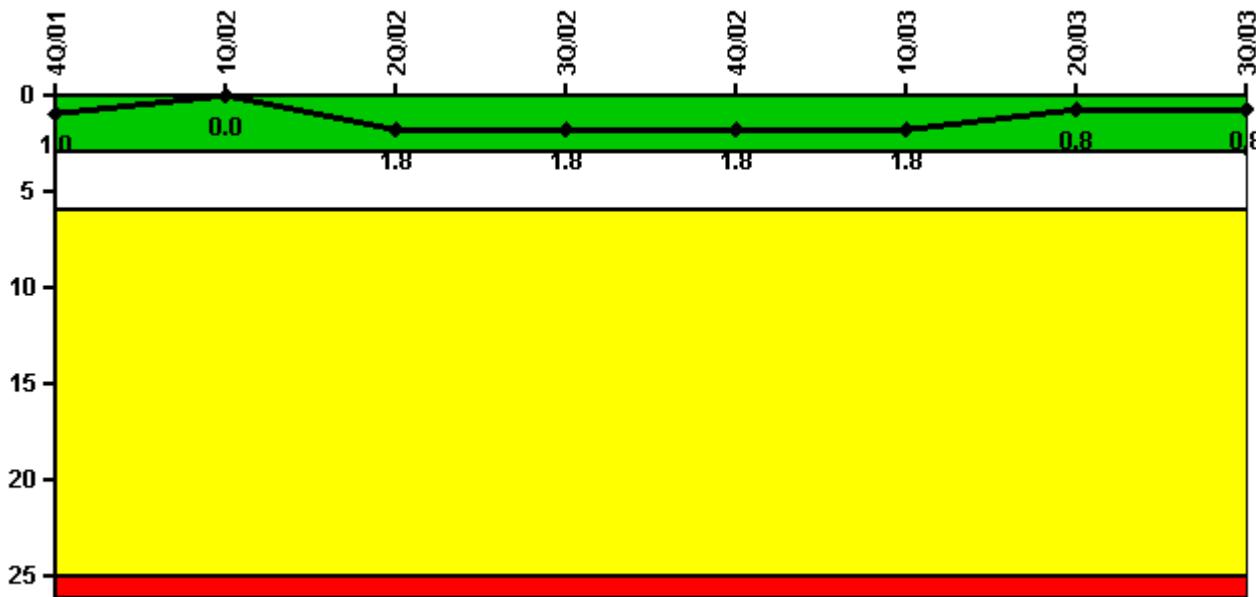
Last Modified: July 22, 2003

Summer

3Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



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	2.0	0	0	0	1.0	0
Critical hours	2209.0	2160.0	1123.0	2208.0	2209.0	2160.0	2114.7	2208.0
Indicator value	1.0	0	1.8	1.8	1.8	1.8	0.8	0.8

Licensee Comments: none

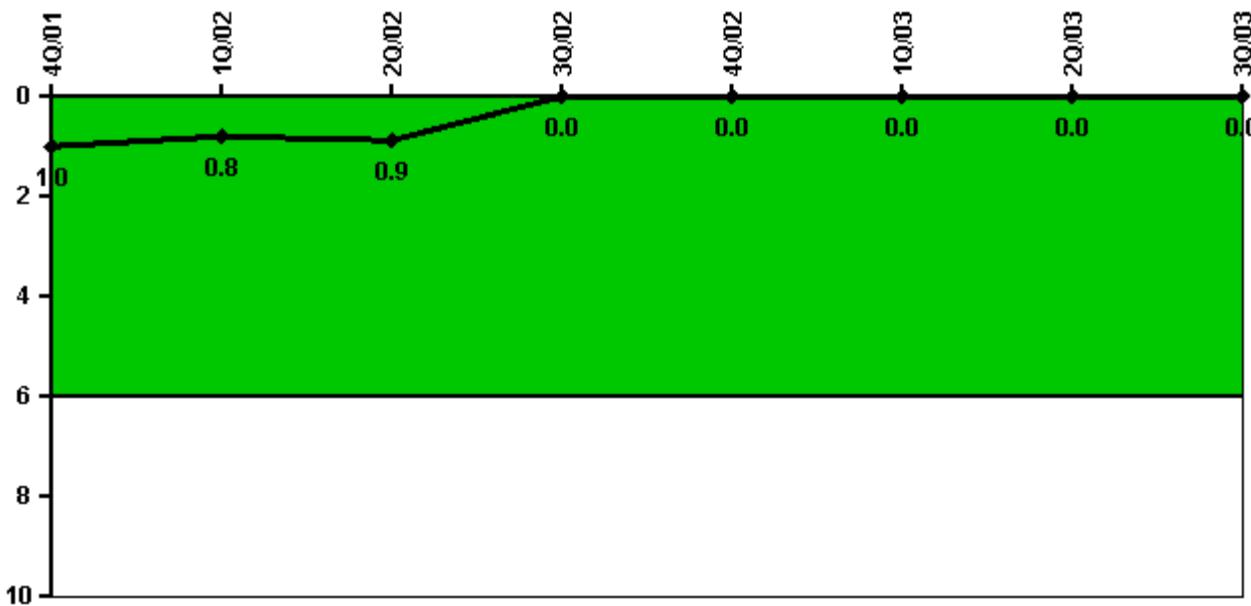
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/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

Unplanned Power Changes per 7000 Critical Hrs

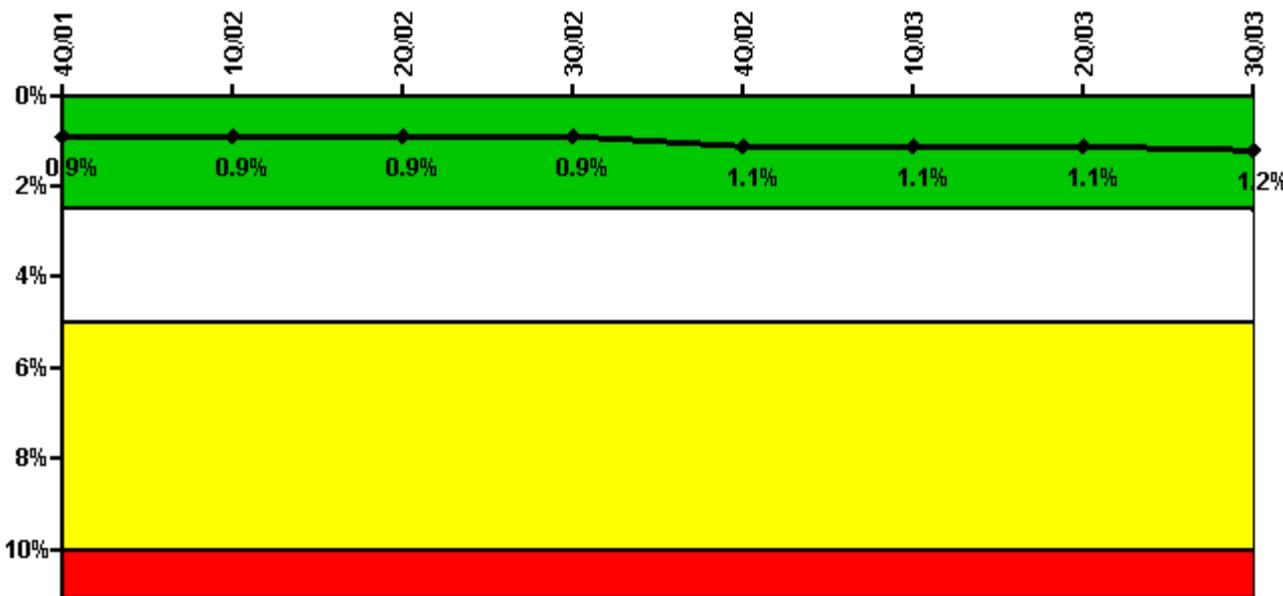
Thresholds: White > 6.0

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	0	0	0	0	0
Critical hours	2209.0	2160.0	1123.0	2208.0	2209.0	2160.0	2114.7	2208.0
Indicator value	1.0	0.8	0.9	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



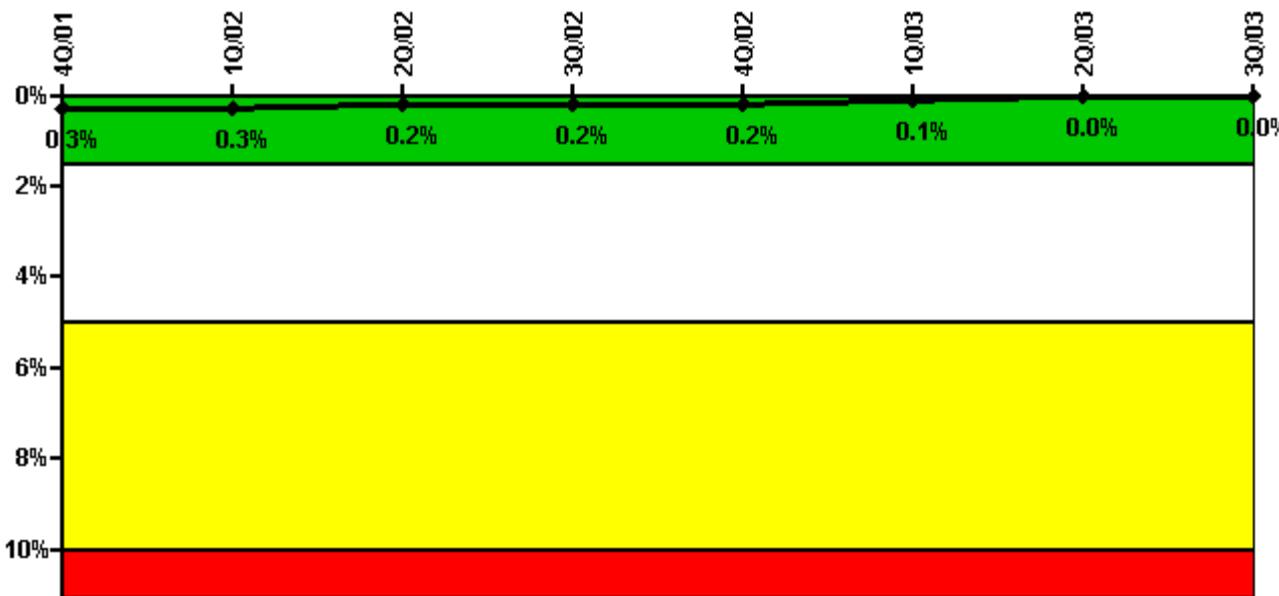
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	17.50	12.60	0.40	13.60	30.30	25.20	14.20	14.60
Unplanned unavailable hours	5.10	0	0	42.30	21.80	0	0	1.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	66.10	12.90	0.40	15.10	13.70	12.30	38.80	24.10
Unplanned unavailable hours	0	0	0	0	0	61.70	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	0.9%	0.9%	0.9%	0.9%	1.1%	1.1%	1.1%	1.2%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



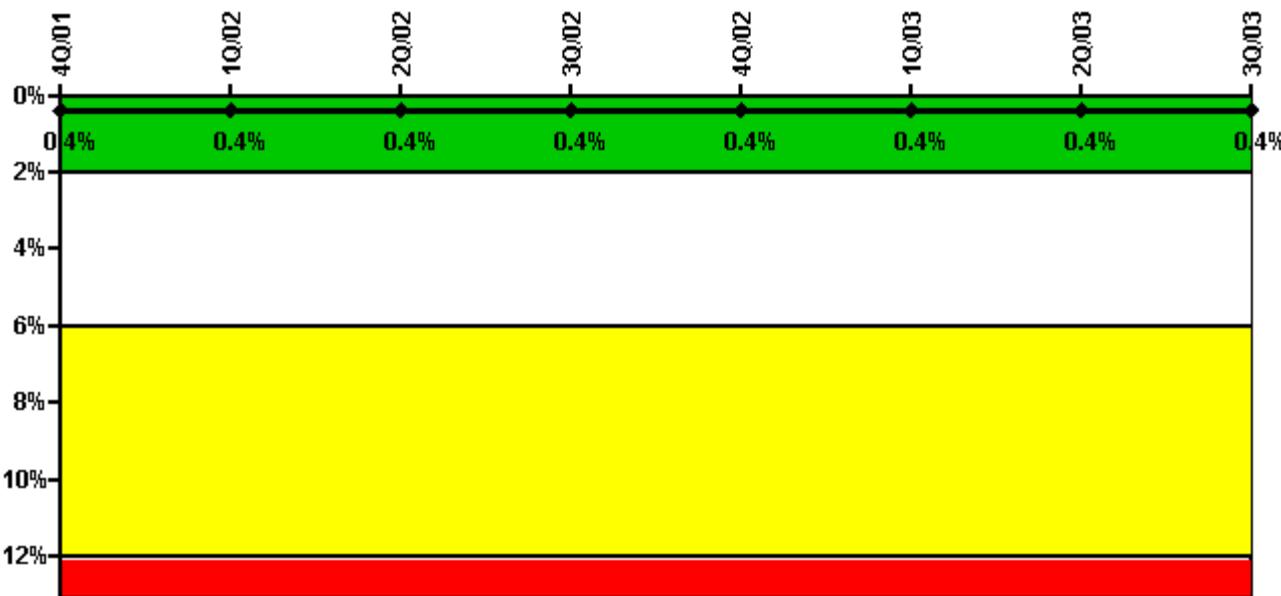
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	0.50	0.50	0.50	0.25	0.25	0.25	0.25	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1123.00	2208.00	2209.00	2160.00	2114.70	2208.00
Train 2								
Planned unavailable hours	0.25	0.50	0.25	3.25	0.25	0.25	0.25	0.50
Unplanned unavailable hours	0	0	0	0	0	0	0	9.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1123.00	2208.00	2209.00	2160.00	2114.70	2208.00
Indicator value	0.3%	0.3%	0.2%	0.2%	0.2%	0.1%	0%	0%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



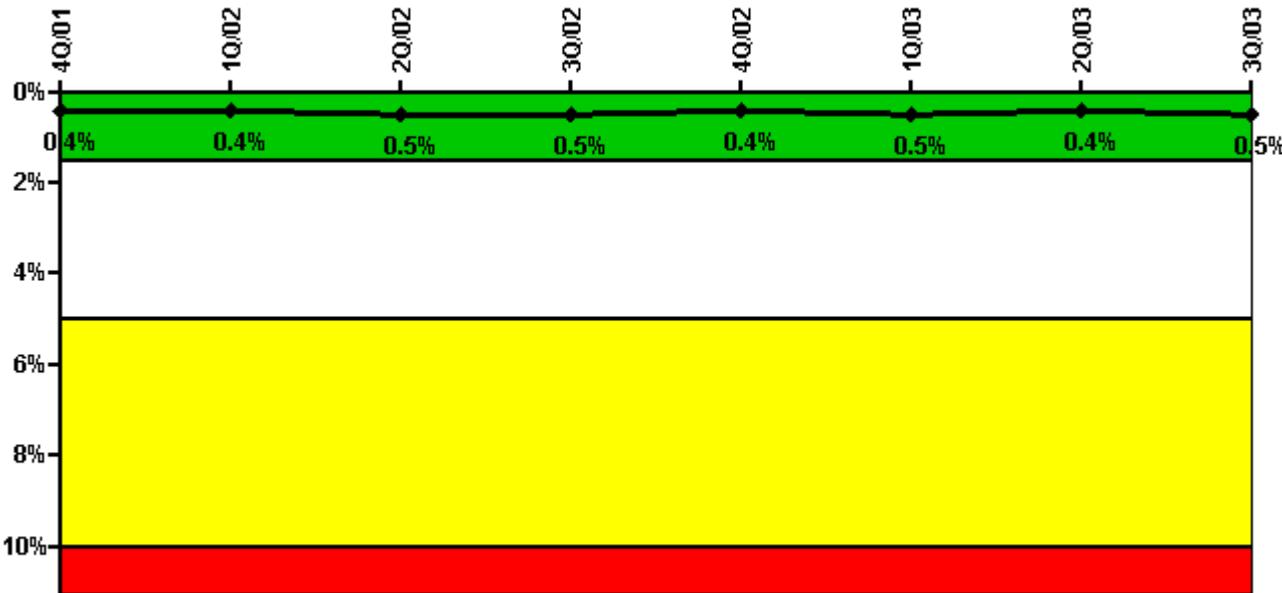
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	23.30	9.50	3.30	12.20	0	10.80	0	10.40
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	2209.00	2160.00	1123.00	2208.00	2209.00	2160.00	2114.70	2208.00
Train 2								
Planned unavailable hours	0	0	14.50	10.80	0	10.20	0	16.10
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	2209.00	2160.00	1123.00	2208.00	2209.00	2160.00	2114.70	2208.00
Train 3								
Planned unavailable hours	16.30	11.20	18.60	0	11.90	0	10.20	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	1157.00	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	1123.00	2208.00	2209.00	2160.00	2114.70	2208.00
Indicator value	0.4%							

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

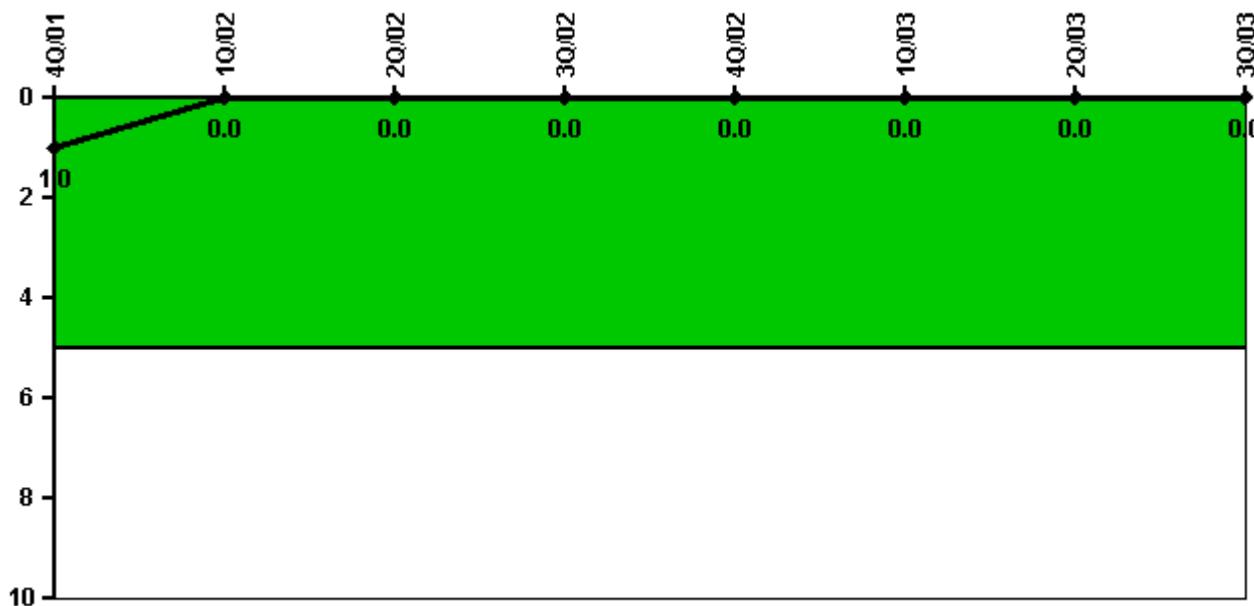


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	8.10	15.70	35.10	10.90	8.80	15.20	0	10.90
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	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	10.00	11.40	8.00	15.20	10.00	0	0	11.80
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	0.4%	0.4%	0.5%	0.5%	0.4%	0.5%	0.4%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)

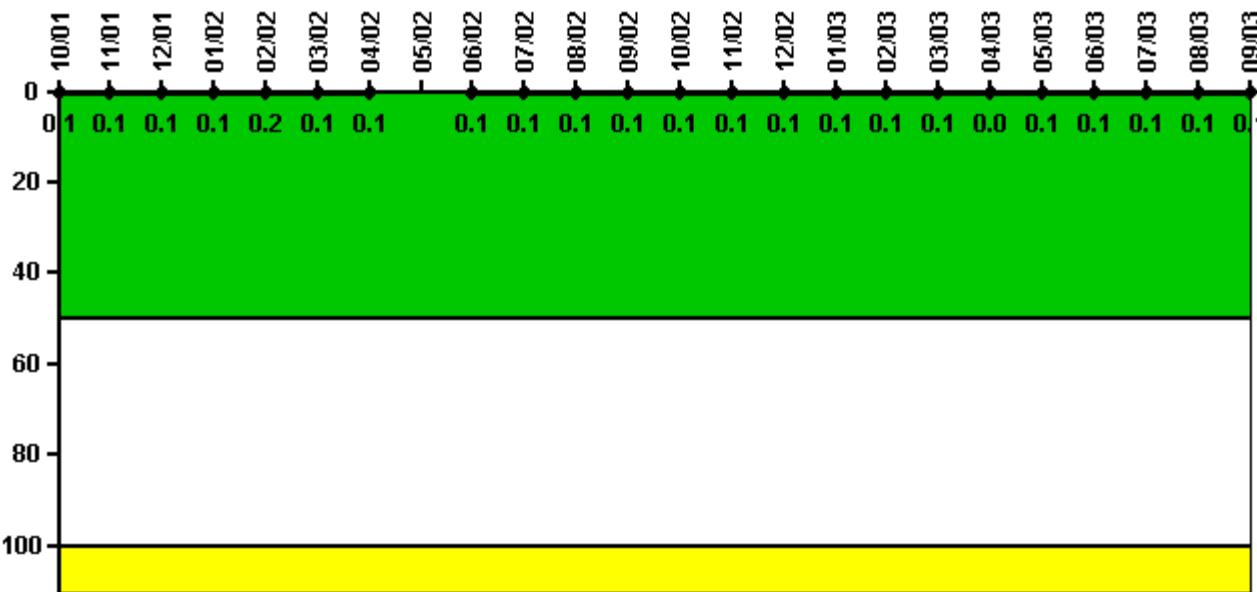
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

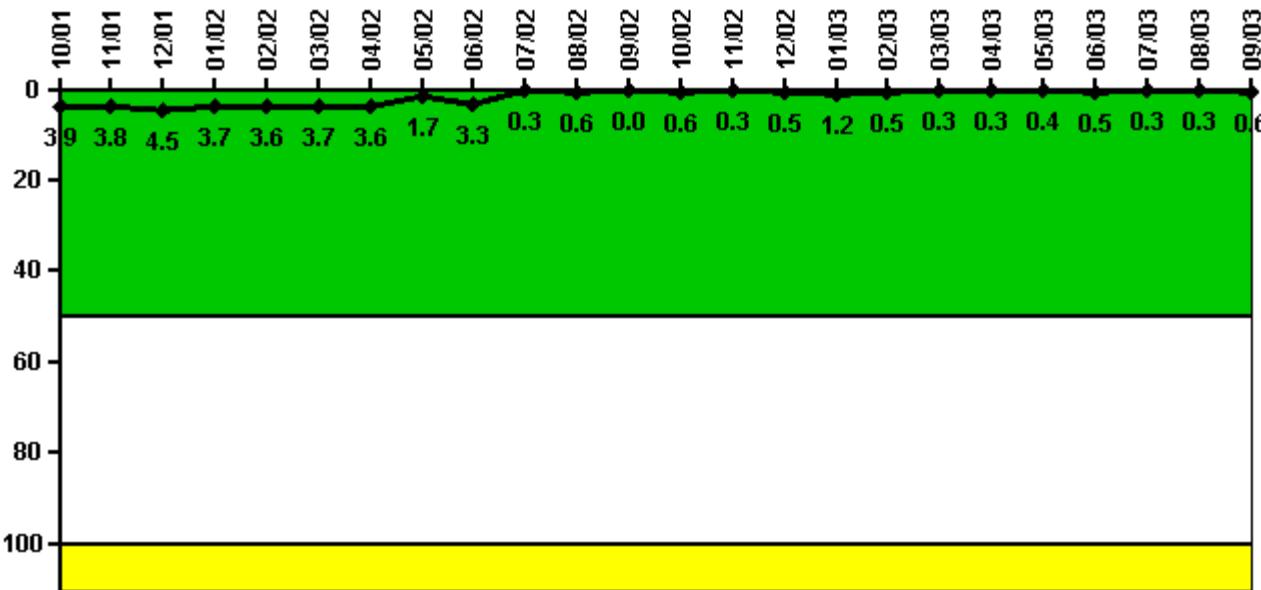
Notes

Reactor Coolant System Activity	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum activity	0.000340	0.000341	0.000360	0.000363	0.000680	0.000384	0.000386	N/A	0.000216	0.000228	0.000234	0.000253
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.2	0.1	0.1	N/A	0.1	0.1	0.1	0.1

Reactor Coolant System Activity	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum activity	0.000260	0.000269	0.000281	0.000291	0.000296	0.000317	0.000302	0.001080	0.000523	0.000615	0.000538	0.000642
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



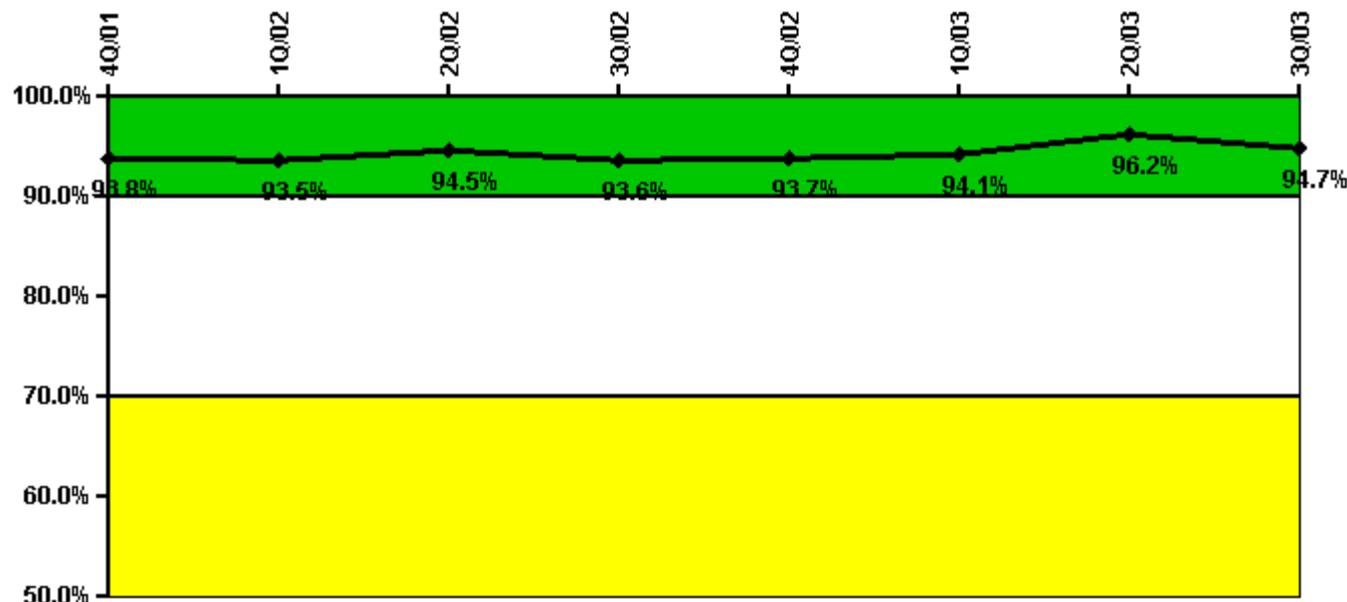
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum leakage	0.390	0.380	0.450	0.370	0.360	0.370	0.360	0.170	0.330	0.030	0.060	0
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	3.9	3.8	4.5	3.7	3.6	3.7	3.6	1.7	3.3	0.3	0.6	0

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	0.060	0.030	0.050	0.120	0.050	0.030	0.030	0.040	0.050	0.030	0.030	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.6	0.3	0.5	1.2	0.5	0.3	0.3	0.4	0.5	0.3	0.3	0.6

Licensee Comments: none

Drill/Exercise Performance

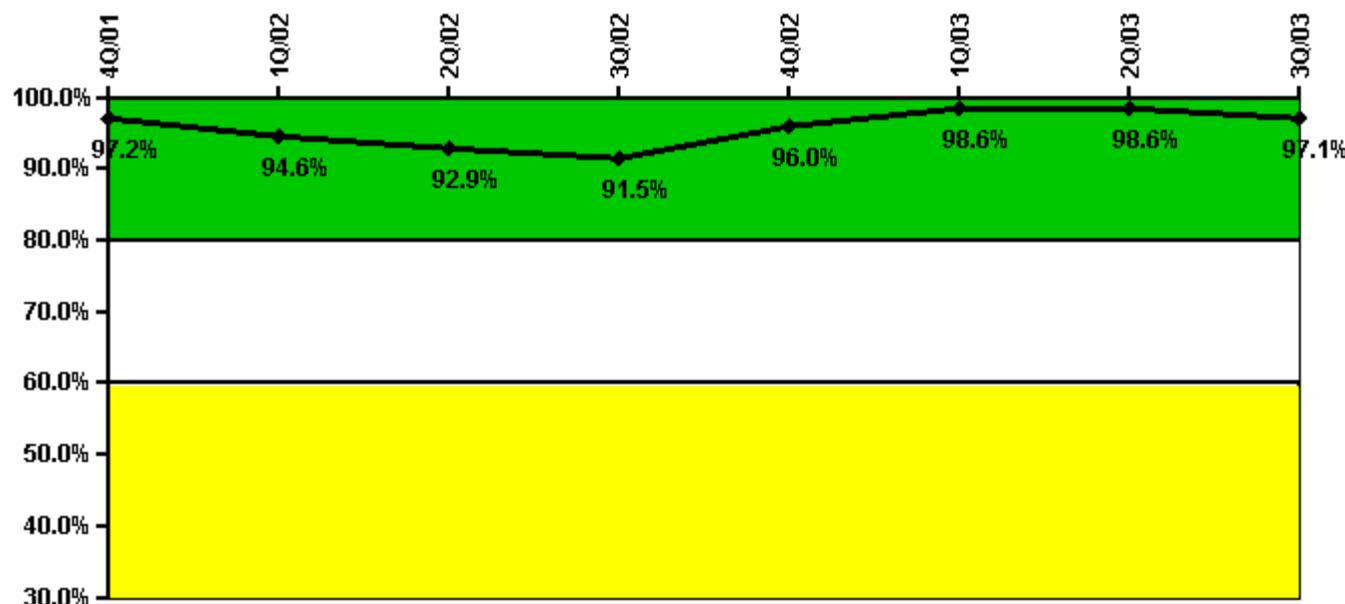
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful opportunities	29.0	29.0	15.0	18.0	16.0	25.0	16.0	32.0
Total opportunities	29.0	29.0	15.0	21.0	17.0	26.0	18.0	35.0
Indicator value	93.8%	93.5%	94.5%	93.6%	93.7%	94.1%	96.2%	94.7%

Licensee Comments: none

ERO Drill Participation



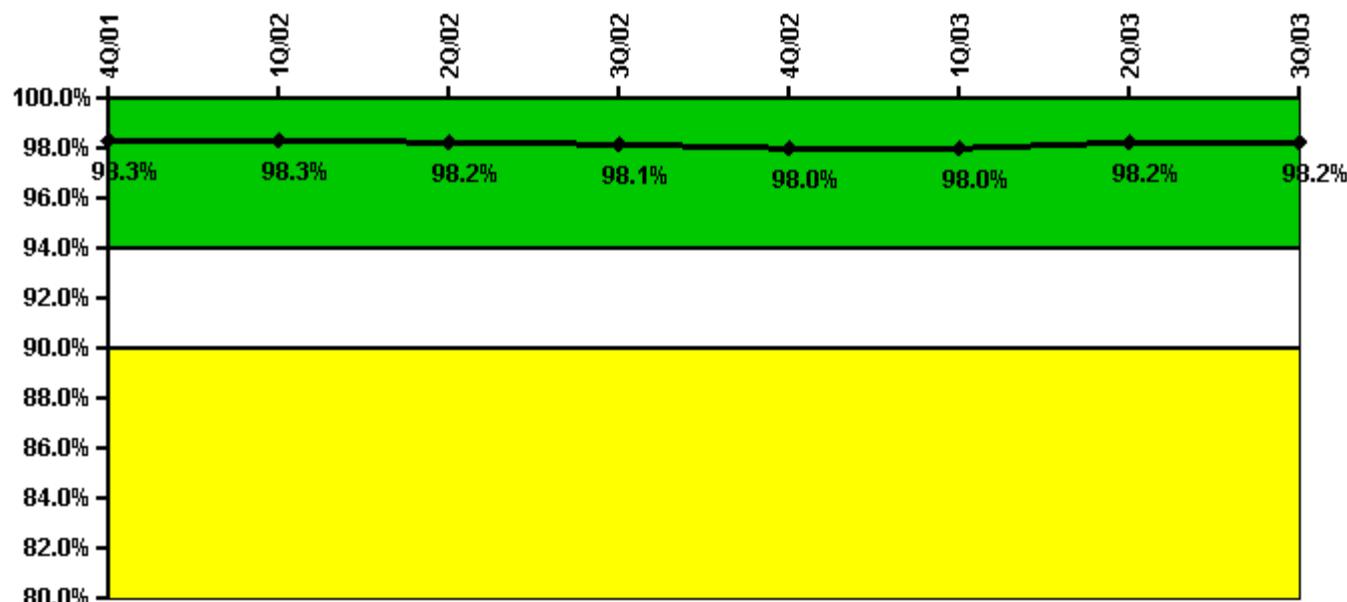
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Participating Key personnel	70.0	70.0	65.0	65.0	72.0	68.0	68.0	67.0
Total Key personnel	72.0	74.0	70.0	71.0	75.0	69.0	69.0	69.0
Indicator value	97.2%	94.6%	92.9%	91.5%	96.0%	98.6%	98.6%	97.1%

Licensee Comments: none

Alert & Notification System

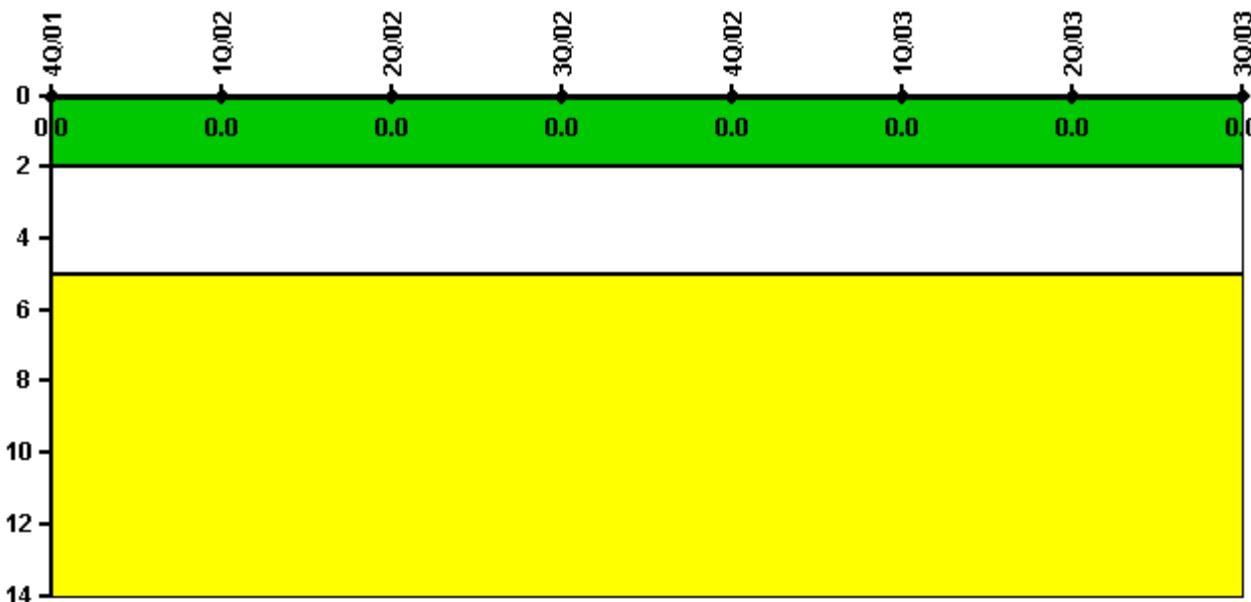


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful siren-tests	1781	1572	1658	1746	1670	1674	1670	1645
Total sirens-tests	1802	1590	1696	1802	1695	1696	1694	1696
Indicator value	98.3%	98.3%	98.2%	98.1%	98.0%	98.0%	98.2%	98.2%

Licensee Comments: none

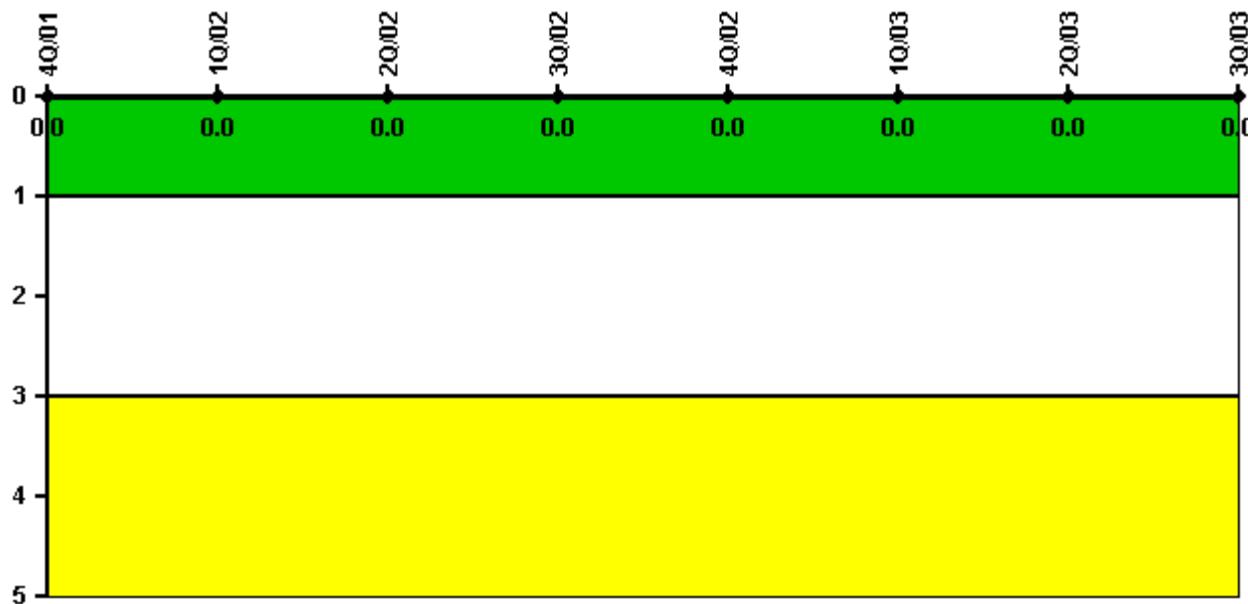
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

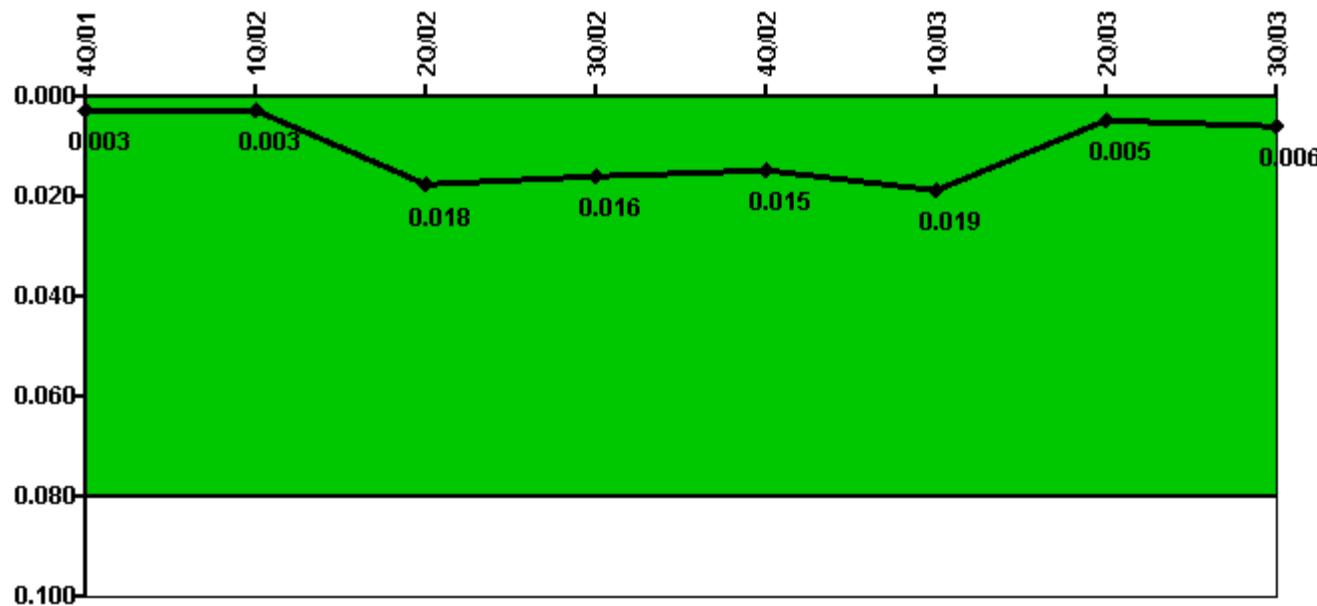
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



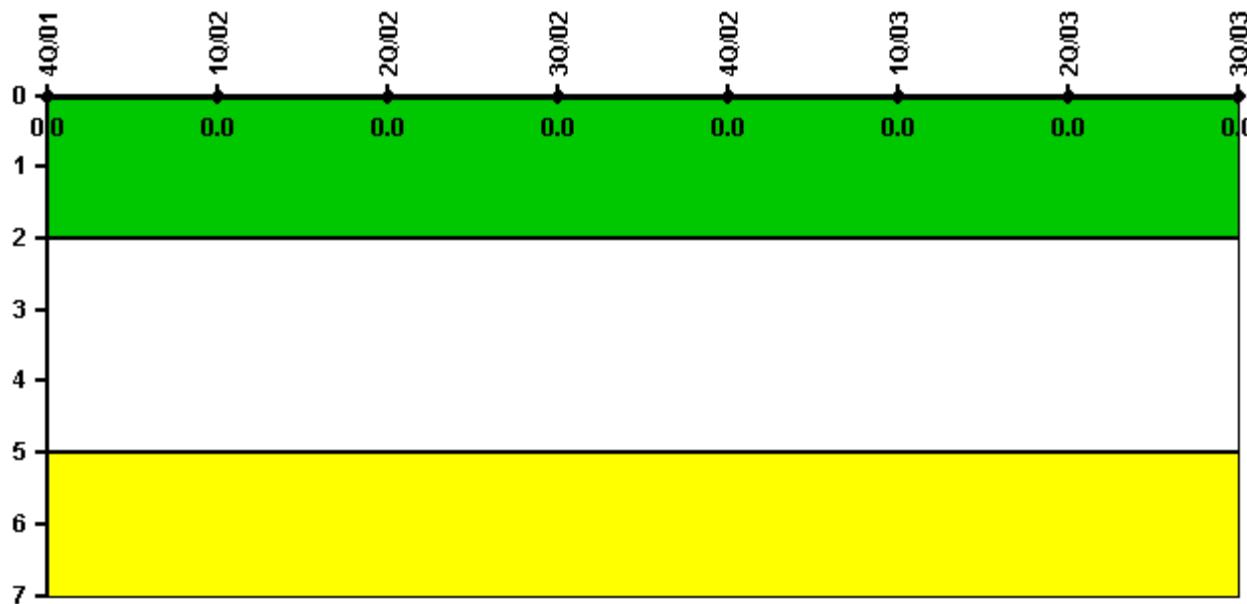
Thresholds: White > 0.080

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	25.20	1.00	291.10	0	2.18	83.72	10.56	16.11
CCTV compensatory hours	1.9	0	0	0.9	0	0	0	0
IDS normalization factor	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.003	0.003	0.018	0.016	0.015	0.019	0.005	0.006

Licensee Comments: none

Personnel Screening Program

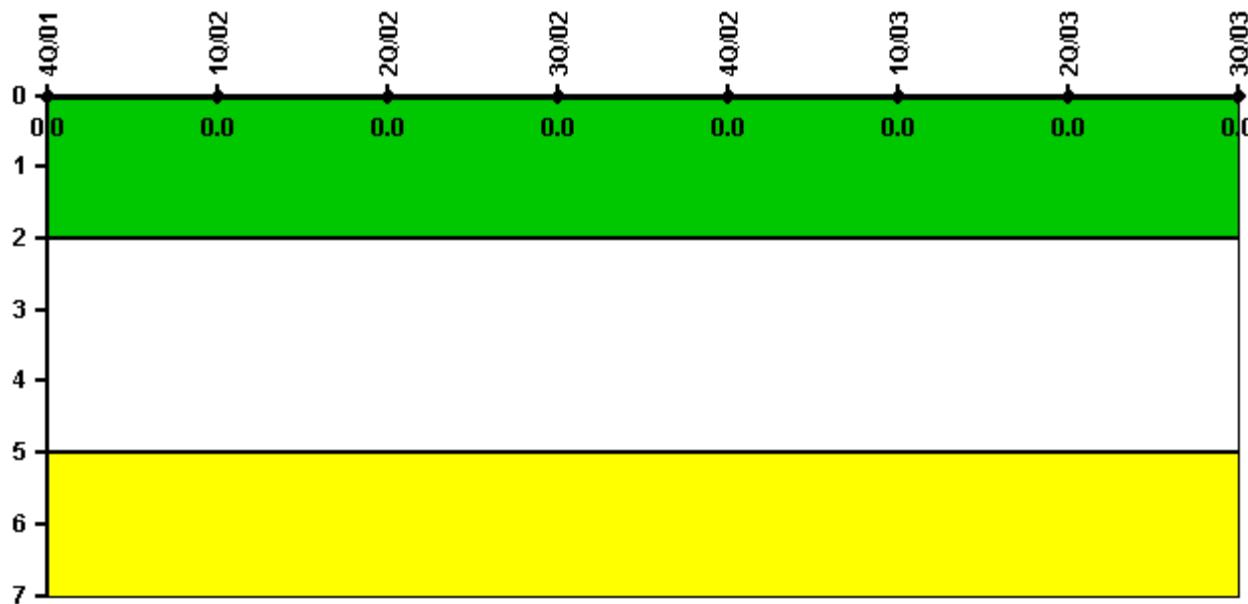


Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none



[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

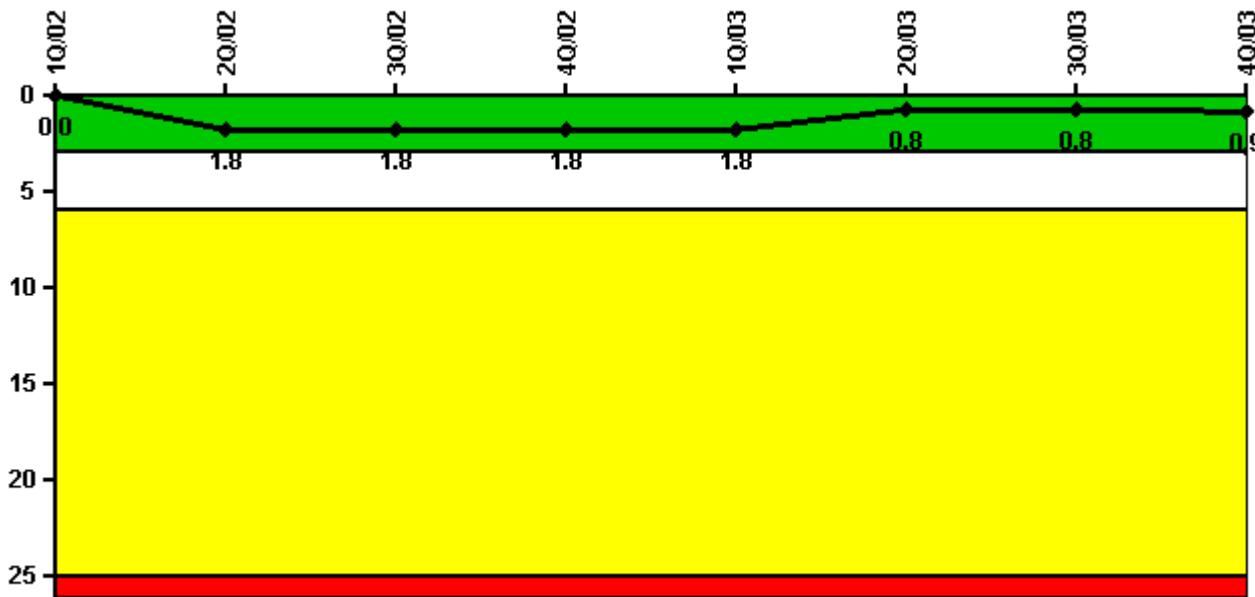
Last Modified: October 22, 2003

Summer

4Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



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	2.0	0	0	0	1.0	0	0
Critical hours	2160.0	1123.0	2208.0	2209.0	2160.0	2114.7	2208.0	1172.5
Indicator value	0	1.8	1.8	1.8	1.8	0.8	0.8	0.9

Licensee Comments: none

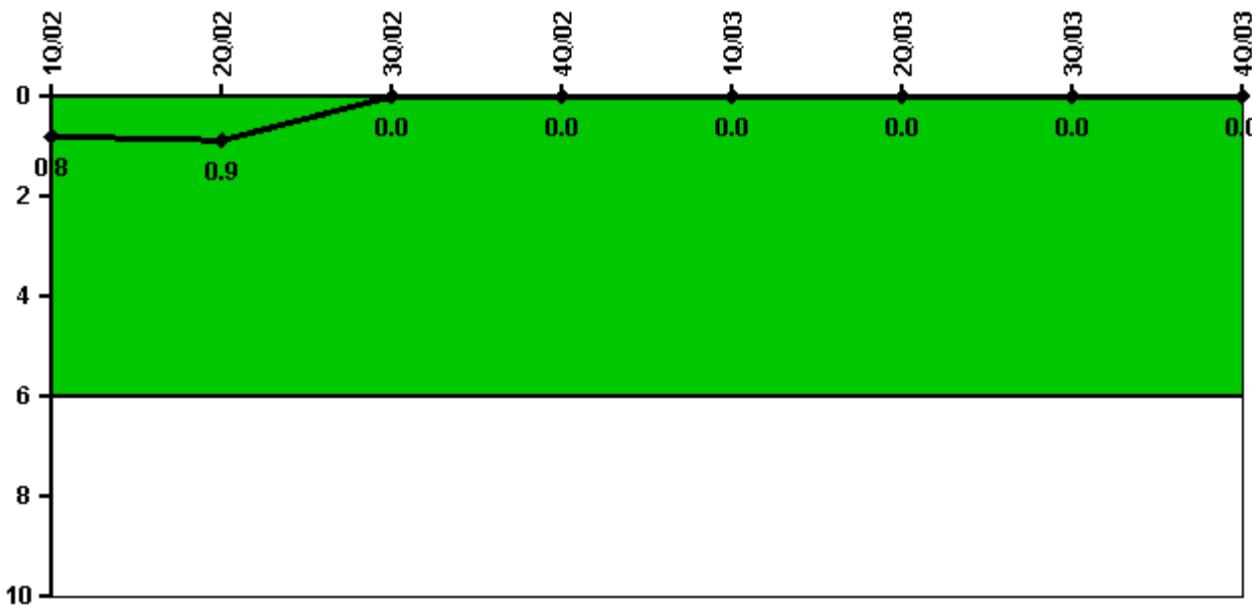
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

Unplanned Power Changes per 7000 Critical Hrs

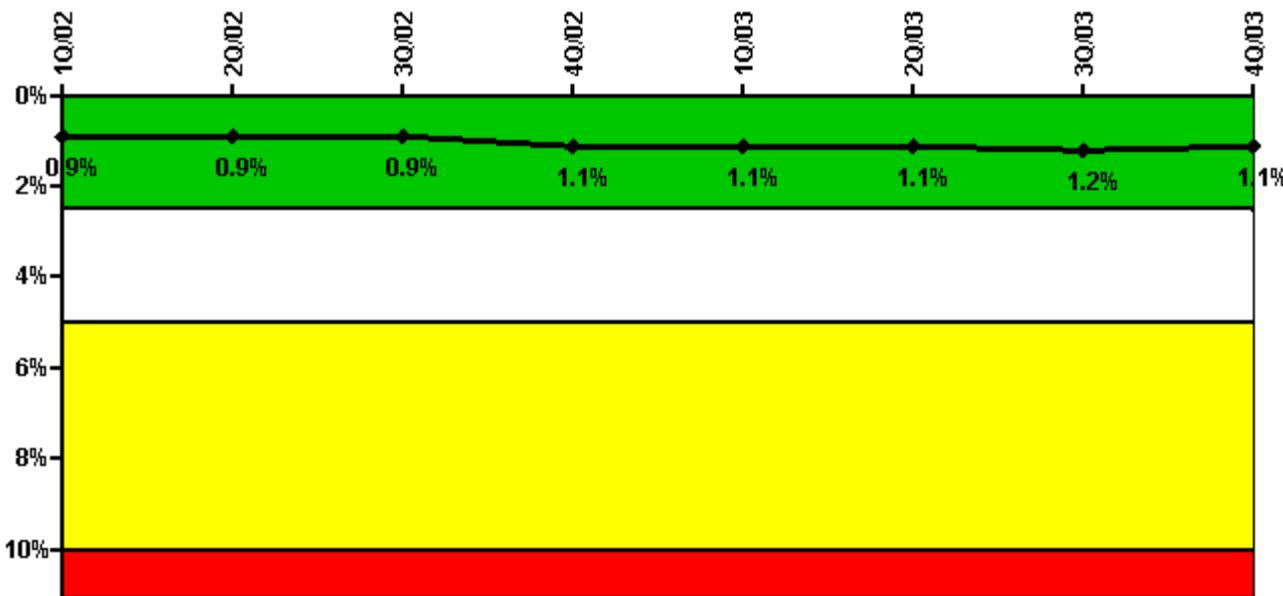
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2160.0	1123.0	2208.0	2209.0	2160.0	2114.7	2208.0	1172.5
Indicator value	0.8	0.9	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



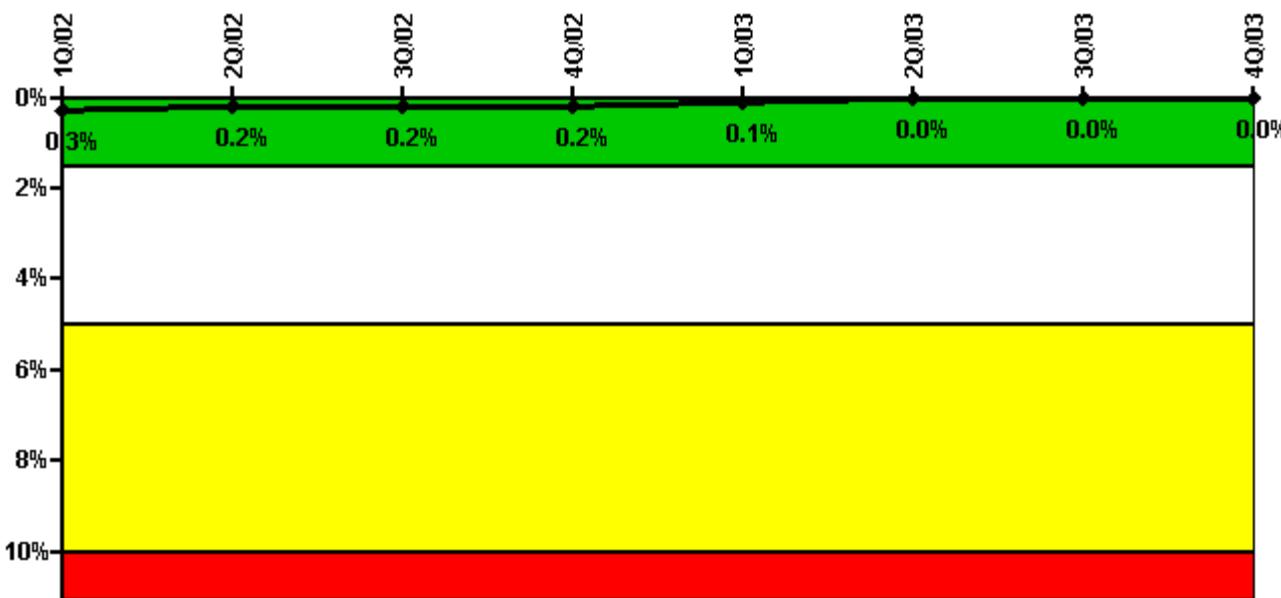
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	12.60	0.40	13.60	30.30	25.20	14.20	14.60	0.20
Unplanned unavailable hours	0	0	42.30	21.80	0	0	1.40	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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	12.90	0.40	15.10	13.70	12.30	38.80	24.10	0.20
Unplanned unavailable hours	0	0	0	0	61.70	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	0.9%	0.9%	0.9%	1.1%	1.1%	1.1%	1.2%	1.1%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



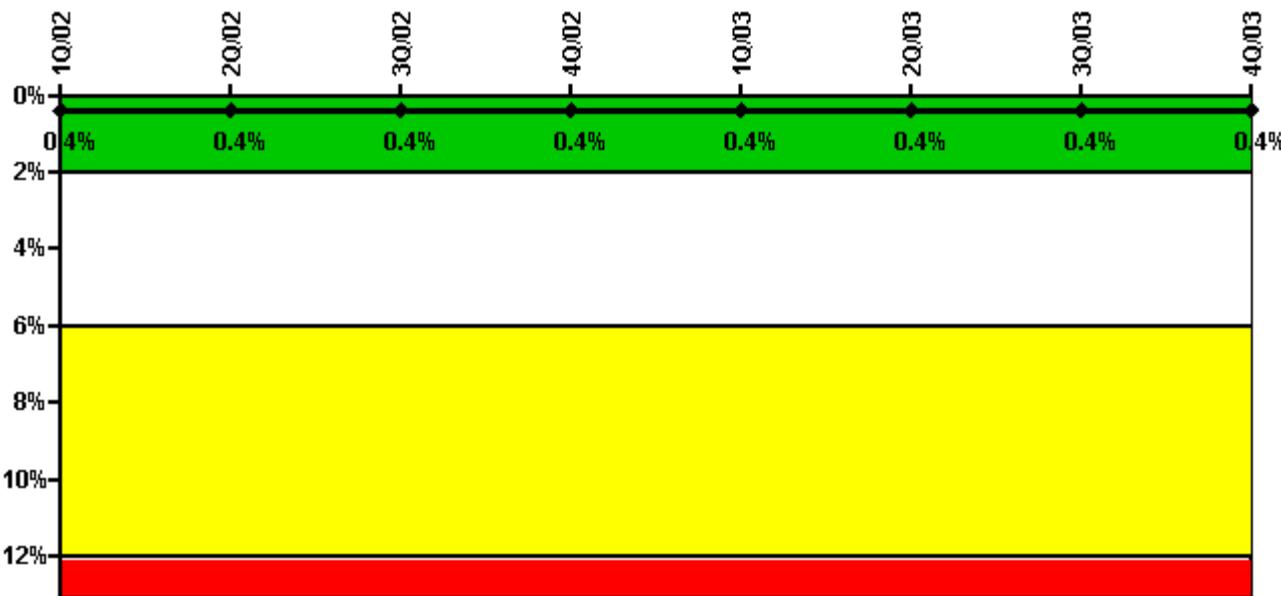
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	0.50	0.50	0.25	0.25	0.25	0.25	0.25	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	1123.00	2208.00	2209.00	2160.00	2114.70	2208.00	1172.50
Train 2								
Planned unavailable hours	0.50	0.25	3.25	0.25	0.25	0.25	0.50	0
Unplanned unavailable hours	0	0	0	0	0	0	9.60	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	2160.00	1123.00	2208.00	2209.00	2160.00	2114.70	2208.00	1172.50
Indicator value	0.3%	0.2%	0.2%	0.2%	0.1%	0%	0%	0%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



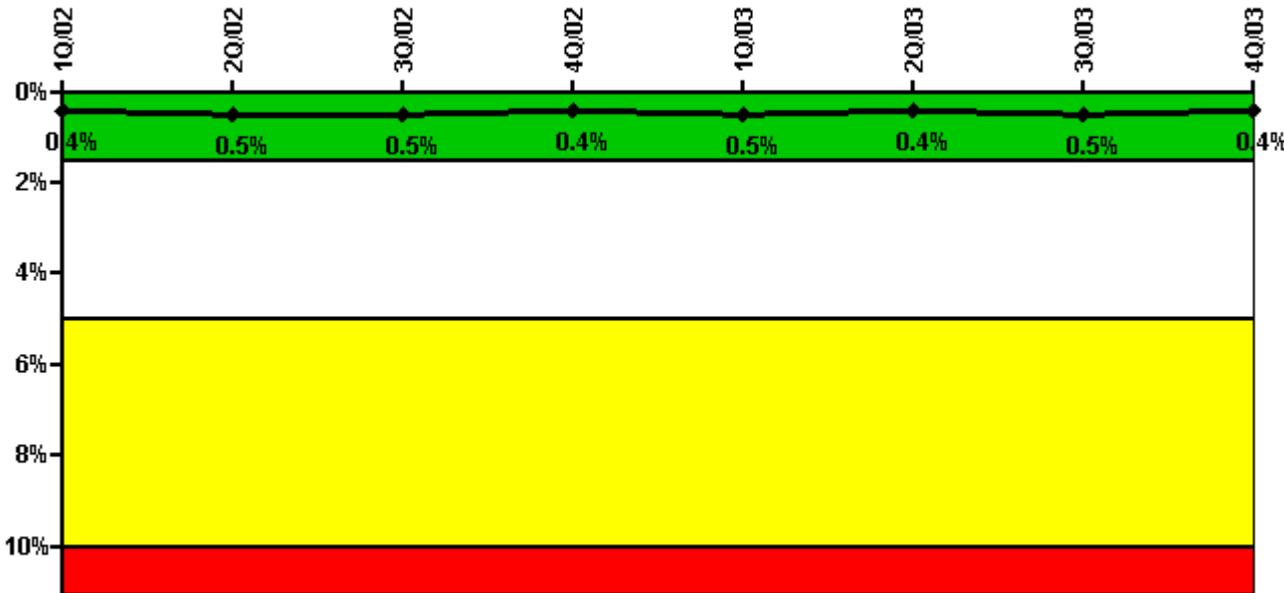
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	9.50	3.30	12.20	0	10.80	0	10.40	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	1123.00	2208.00	2209.00	2160.00	2114.70	2208.00	1172.50
Train 2								
Planned unavailable hours	0	14.50	10.80	0	10.20	0	16.10	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	1123.00	2208.00	2209.00	2160.00	2114.70	2208.00	1172.50
Train 3								
Planned unavailable hours	11.20	18.60	0	11.90	0	10.20	0	15.70
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	1123.00	2208.00	2209.00	2160.00	2114.70	2208.00	1172.50
Indicator value	0.4%							

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

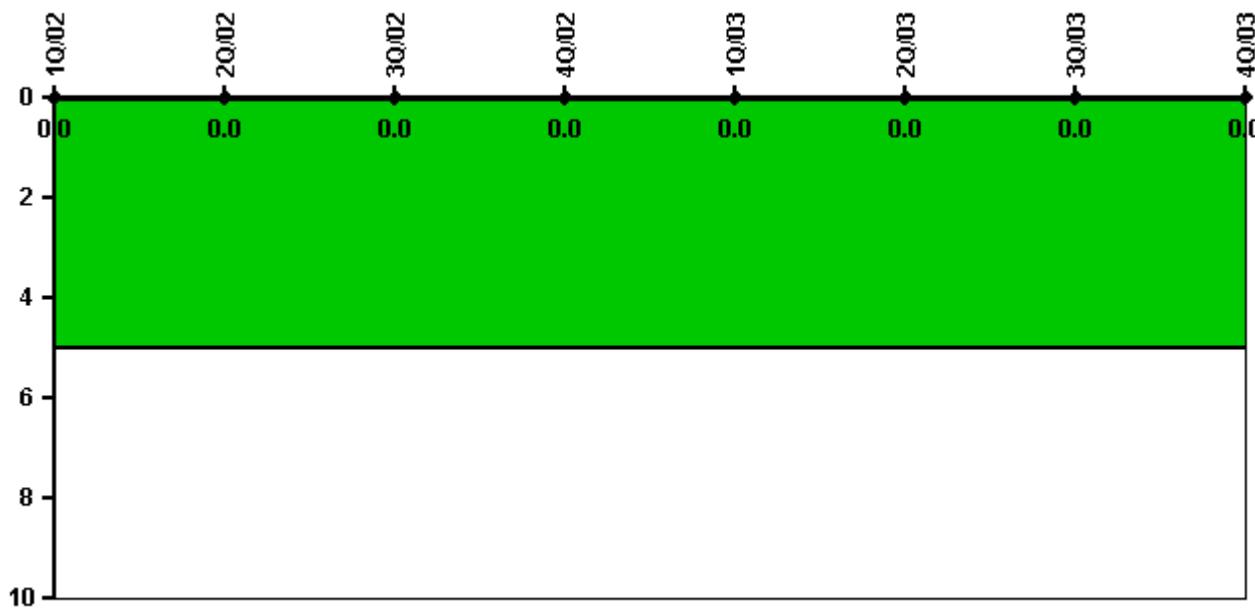


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	15.70	35.10	10.90	8.80	15.20	0	10.90	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	11.40	8.00	15.20	10.00	0	0	11.80	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	0.4%	0.5%	0.5%	0.4%	0.5%	0.4%	0.5%	0.4%

Licensee Comments: none

Safety System Functional Failures (PWR)

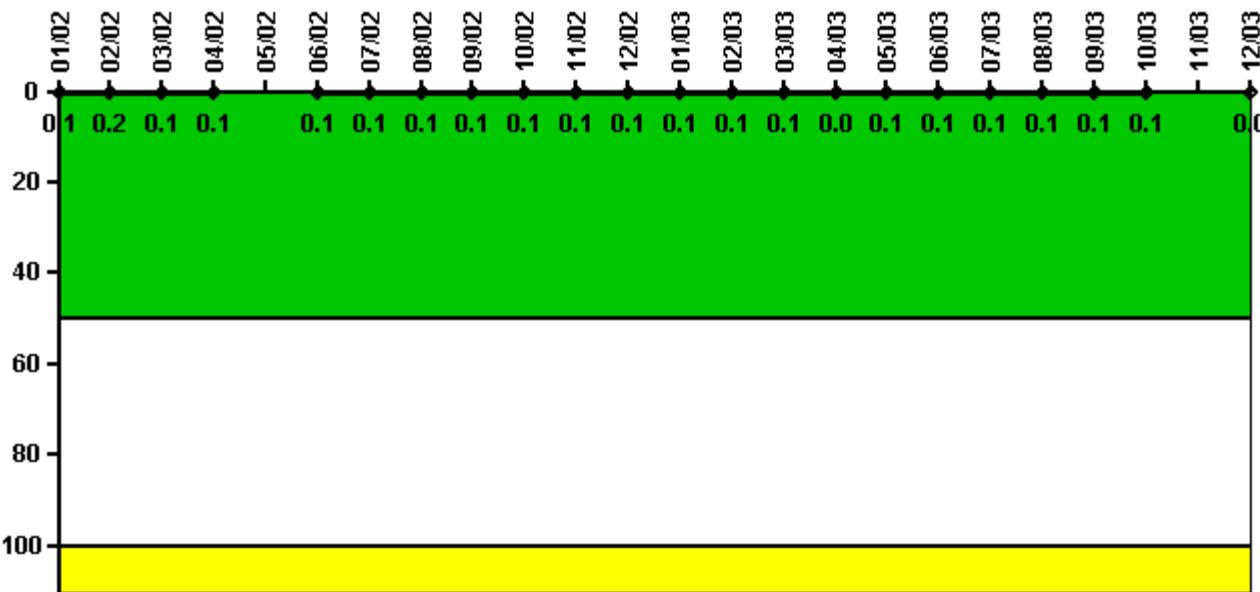
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



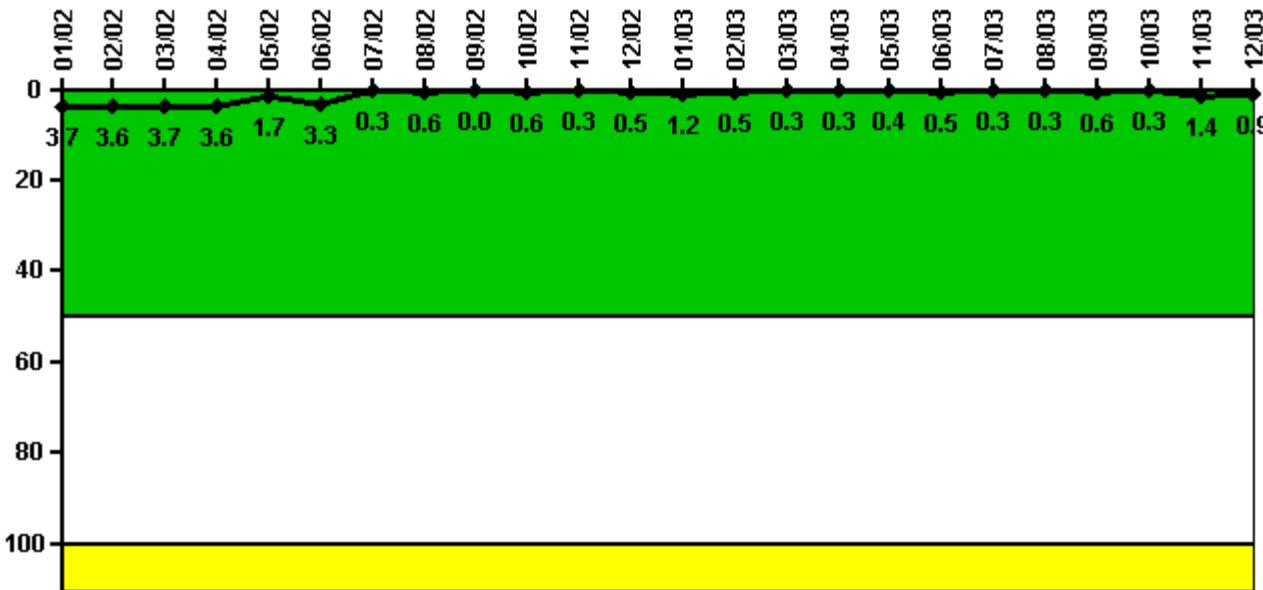
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum activity	0.000363	0.000680	0.000384	0.000386	N/A	0.000216	0.000228	0.000234	0.000253	0.000260	0.000269	0.000281
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.2	0.1	0.1	N/A	0.1						
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	0.000291	0.000296	0.000317	0.000302	0.001080	0.000523	0.000615	0.000538	0.000642	0.000807	N/A	0.000178
Technical specification limit	0.4	0.4	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	N/A	0

Licensee Comments: none

Reactor Coolant System Leakage



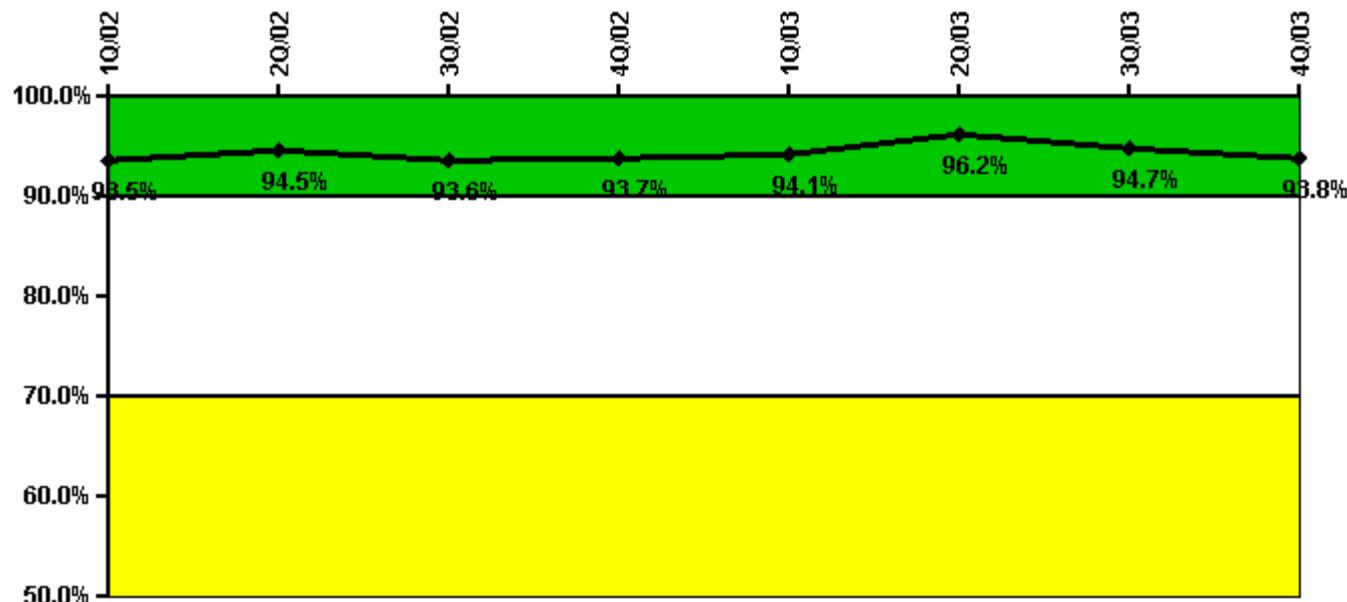
Thresholds: White > 50.0 Yellow > 100.0

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	0.370	0.360	0.370	0.360	0.170	0.330	0.030	0.060	0	0.060	0.030	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	3.7	3.6	3.7	3.6	1.7	3.3	0.3	0.6	0	0.6	0.3	0.5

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	0.120	0.050	0.030	0.030	0.040	0.050	0.030	0.030	0.060	0.030	0.140	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.2	0.5	0.3	0.3	0.4	0.5	0.3	0.3	0.6	0.3	1.4	0.9

Licensee Comments: none

Drill/Exercise Performance

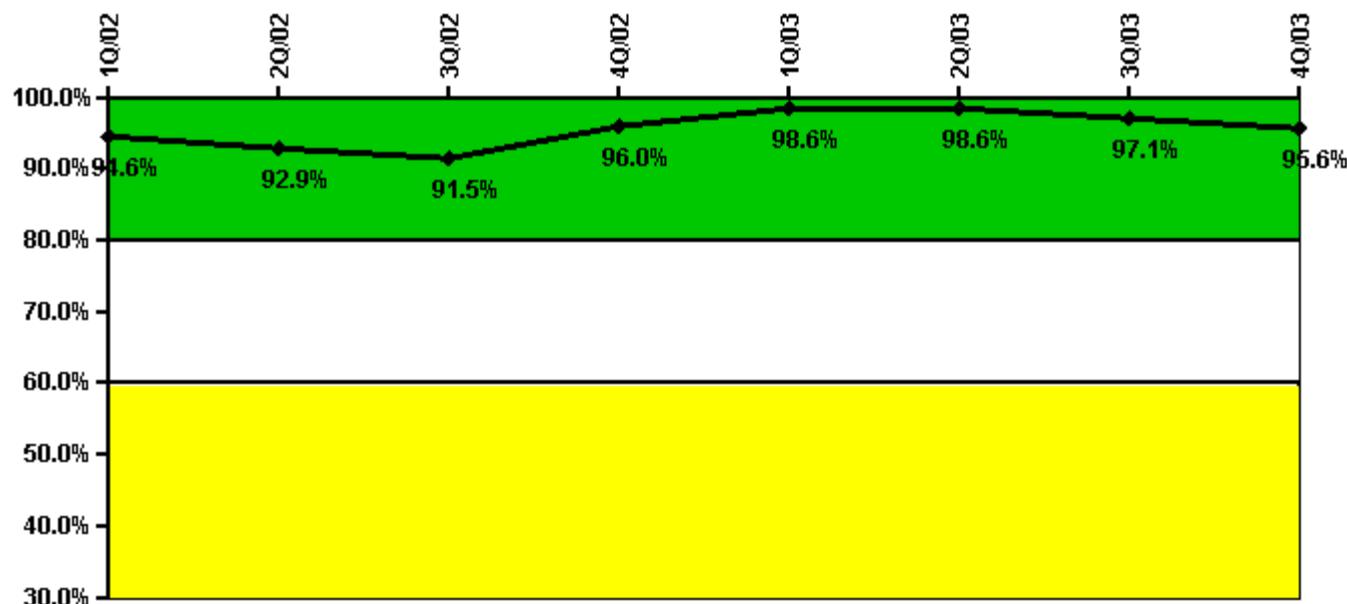
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful opportunities	29.0	15.0	18.0	16.0	25.0	16.0	32.0	0
Total opportunities	29.0	15.0	21.0	17.0	26.0	18.0	35.0	0
Indicator value	93.5%	94.5%	93.6%	93.7%	94.1%	96.2%	94.7%	93.8%

Licensee Comments: none

ERO Drill Participation

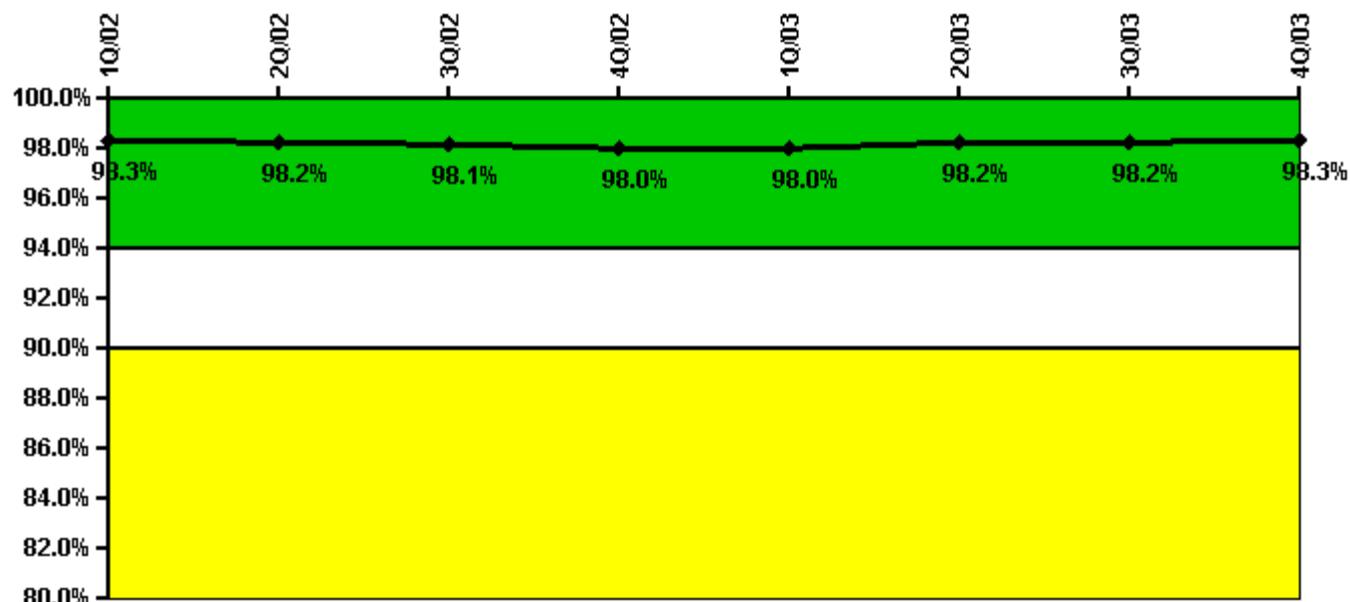


Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Participating Key personnel	70.0	65.0	65.0	72.0	68.0	68.0	67.0	65.0
Total Key personnel	74.0	70.0	71.0	75.0	69.0	69.0	69.0	68.0
Indicator value	94.6%	92.9%	91.5%	96.0%	98.6%	98.6%	97.1%	95.6%

Licensee Comments: none

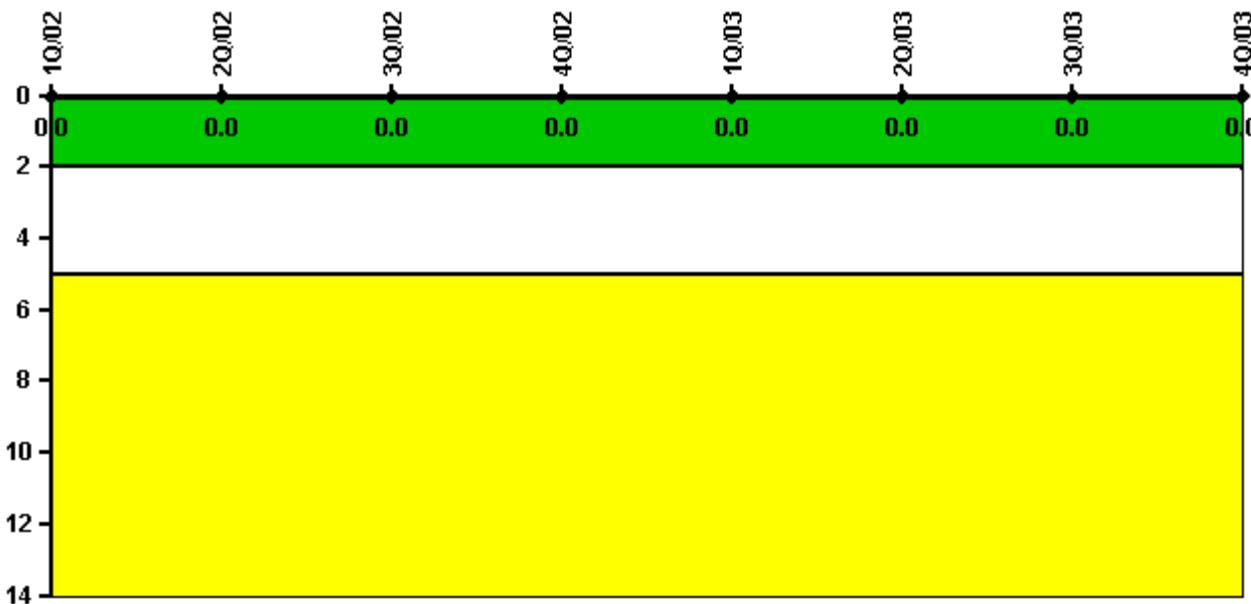
Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful siren-tests	1572	1658	1746	1670	1674	1670	1645	1677
Total sirens-tests	1590	1696	1802	1695	1696	1694	1696	1692
Indicator value	98.3%	98.2%	98.1%	98.0%	98.0%	98.2%	98.2%	98.3%

Licensee Comments: none

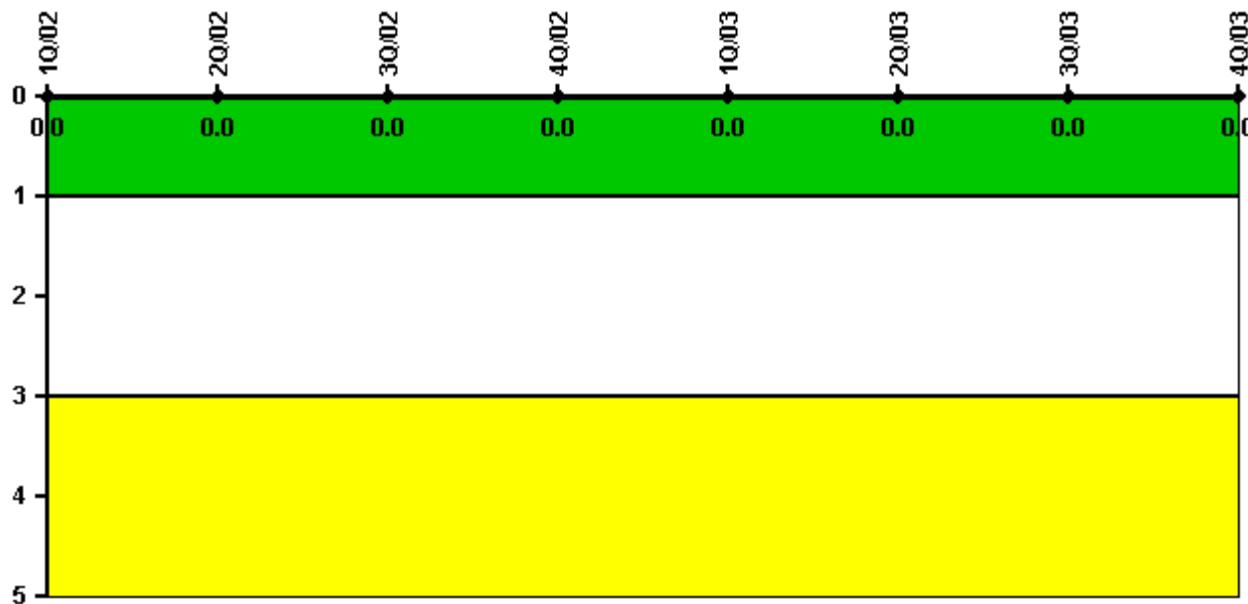
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

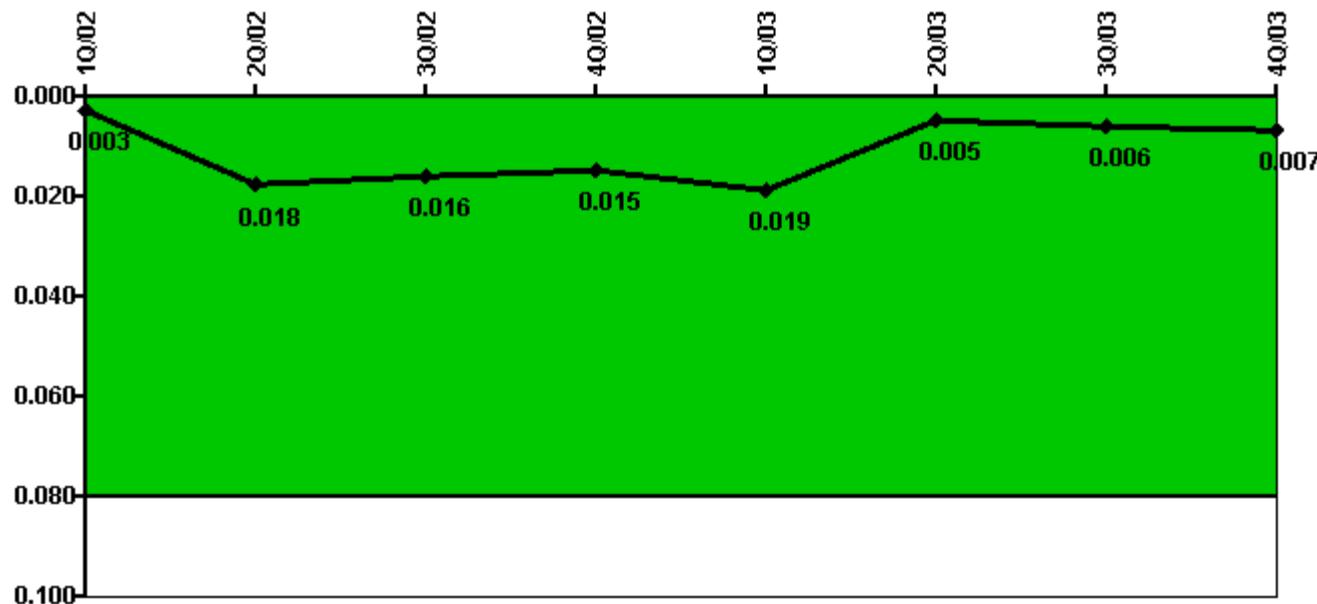
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



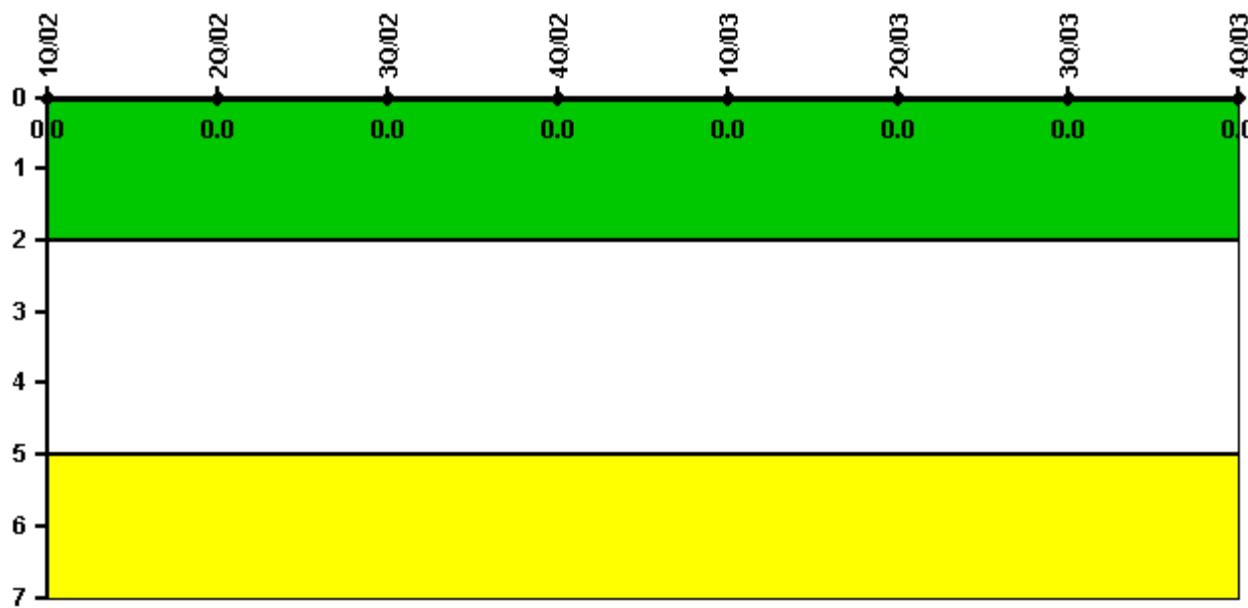
Thresholds: White > 0.080

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	1.00	291.10	0	2.18	83.72	10.56	16.11	37.80
CCTV compensatory hours	0	0	0.9	0	0	0	0	0
IDS normalization factor	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.003	0.018	0.016	0.015	0.019	0.005	0.006	0.007

Licensee Comments: none

Personnel Screening Program

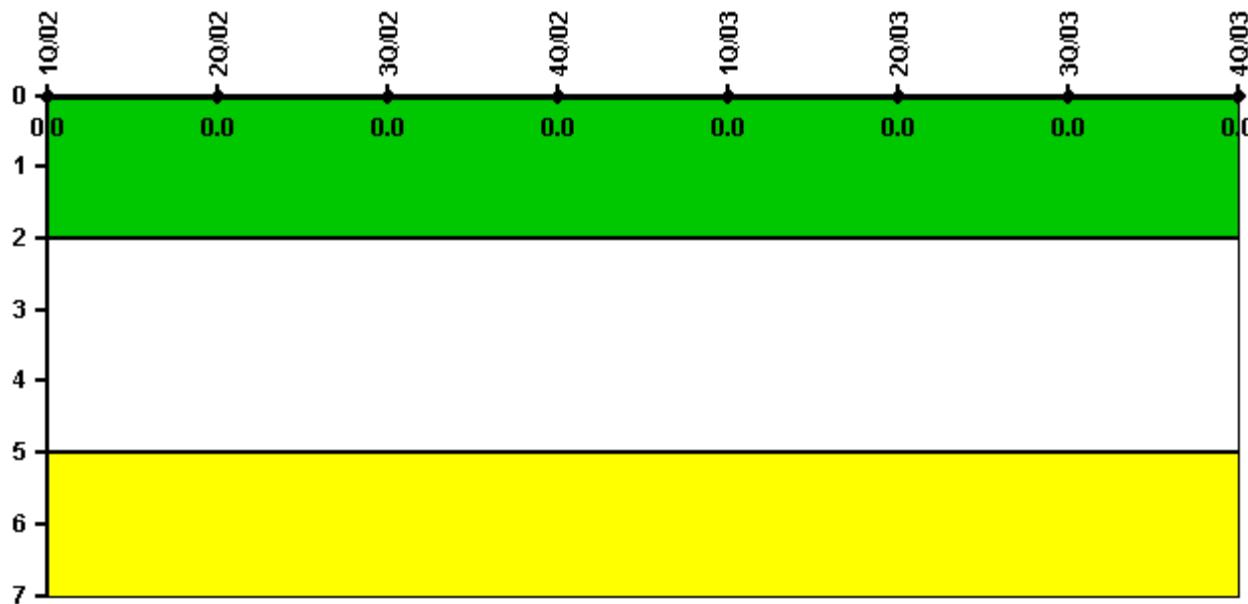


Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none



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Last Modified: January 23, 2004

Summer**1Q/2004 Performance Indicators**

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

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	2.0	0	0	0	1.0	0	0	1.0
Critical hours	1123.0	2208.0	2209.0	2160.0	2114.7	2208.0	1172.5	2151.4
Indicator value	1.8	1.8	1.8	1.8	0.8	0.8	0.9	1.8

Licensee Comments: none

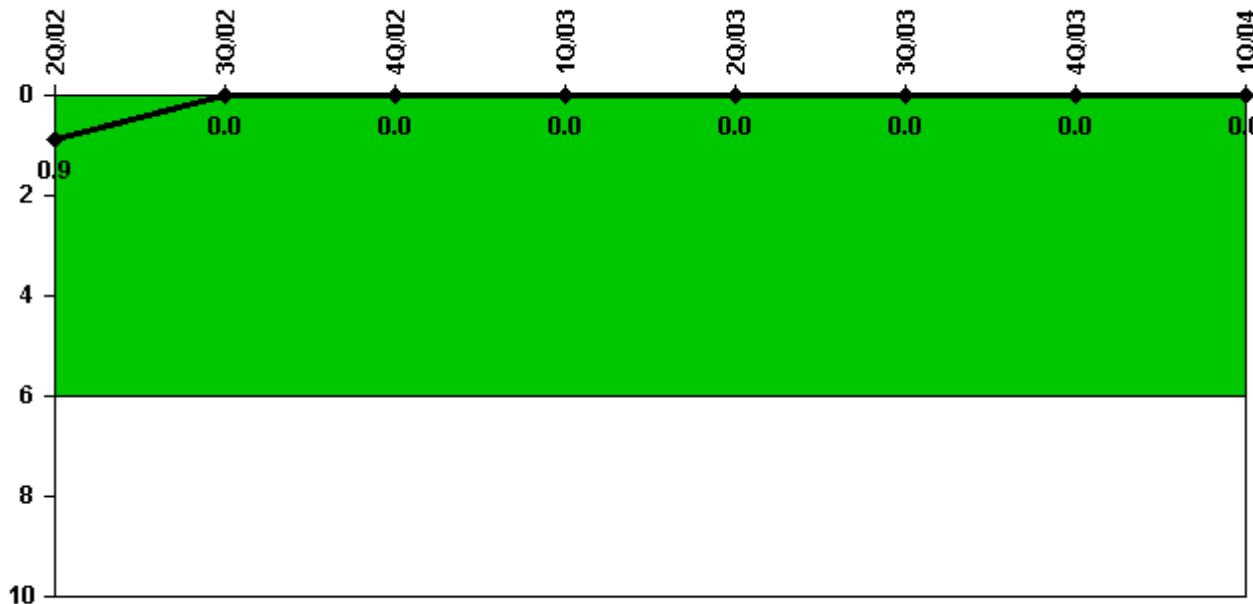
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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							

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

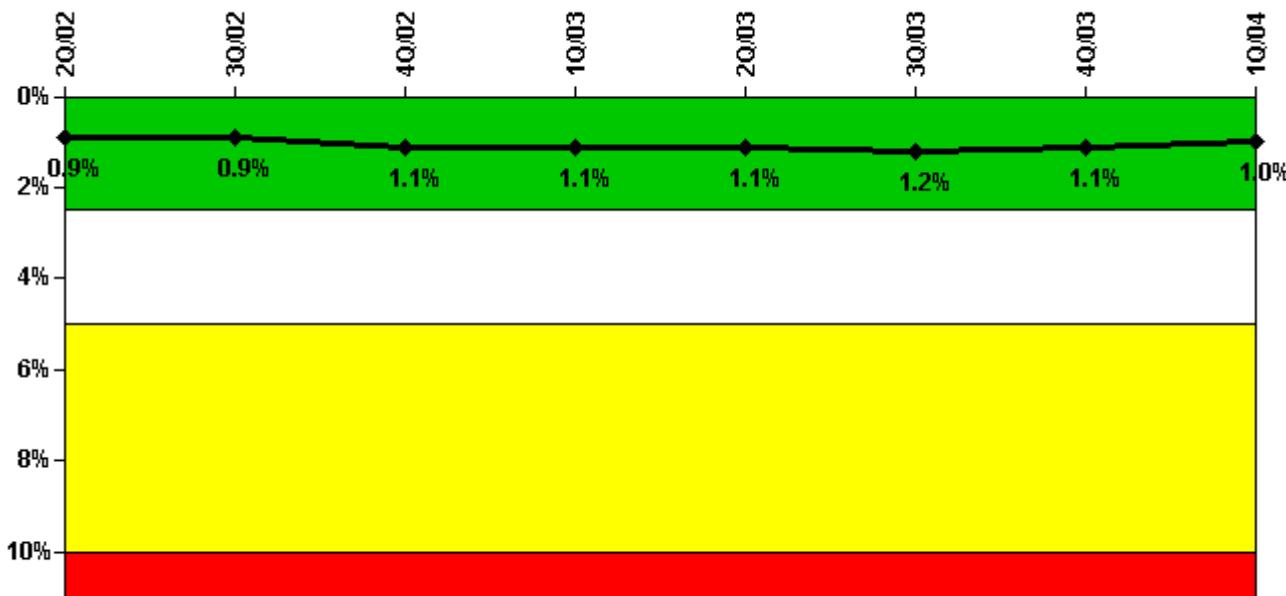
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1123.0	2208.0	2209.0	2160.0	2114.7	2208.0	1172.5	2151.4
Indicator value	0.9	0	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



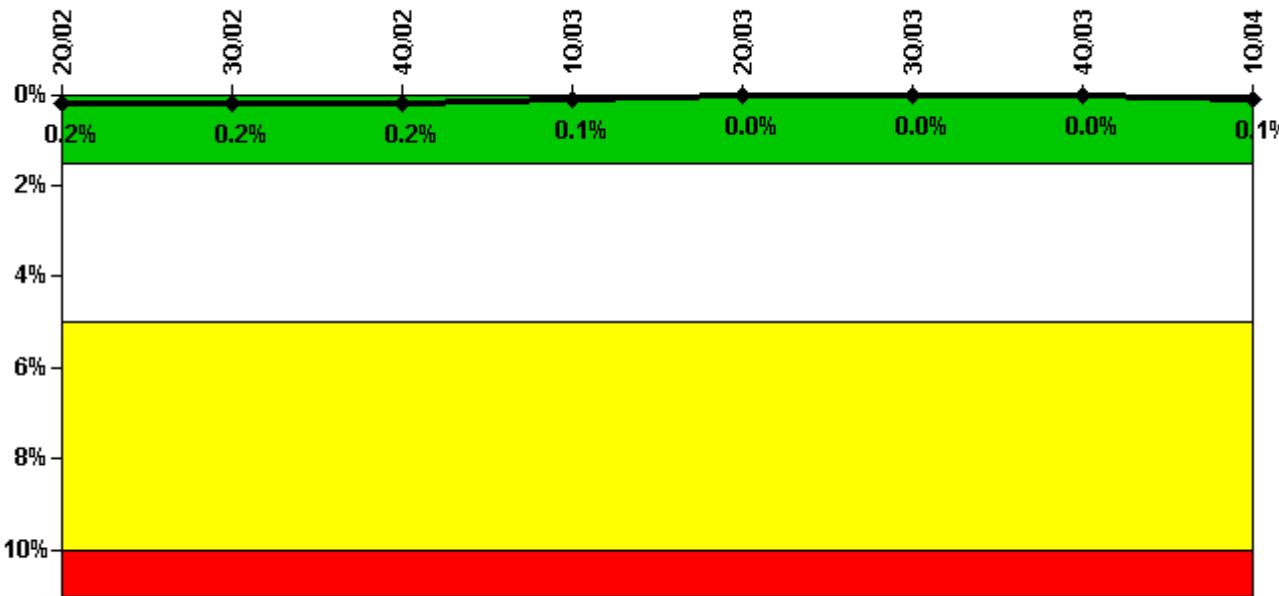
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	0.40	13.60	30.30	25.20	14.20	14.60	0.20	7.40
Unplanned unavailable hours	0	42.30	21.80	0	0	1.40	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	0.40	15.10	13.70	12.30	38.80	24.10	0.20	12.90
Unplanned unavailable hours	0	0	0	61.70	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	0.9%	0.9%	1.1%	1.1%	1.1%	1.2%	1.1%	1.0%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



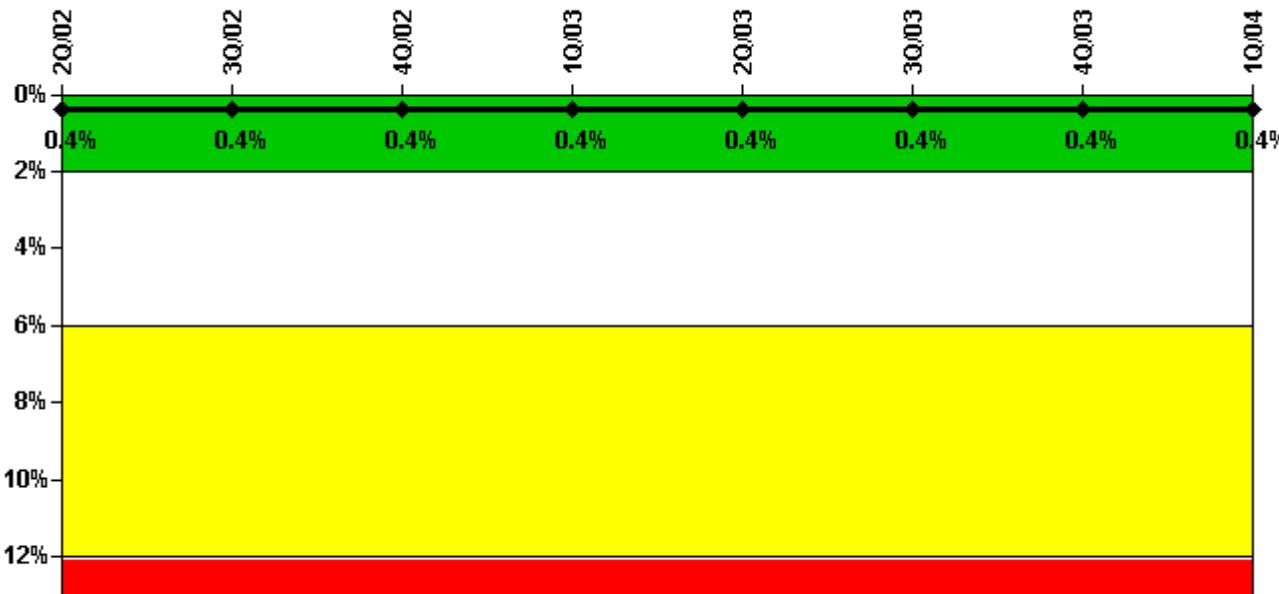
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	0.50	0.25	0.25	0.25	0.25	0.25	0	12.80
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1123.00	2208.00	2209.00	2160.00	2114.70	2208.00	1172.50	2151.70
Train 2								
Planned unavailable hours	0.25	3.25	0.25	0.25	0.25	0.50	0	0.25
Unplanned unavailable hours	0	0	0	0	0	9.60	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	1123.00	2208.00	2209.00	2160.00	2114.70	2208.00	1172.50	2151.70
Indicator value	0.2%	0.2%	0.2%	0.1%	0%	0%	0%	0.1%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



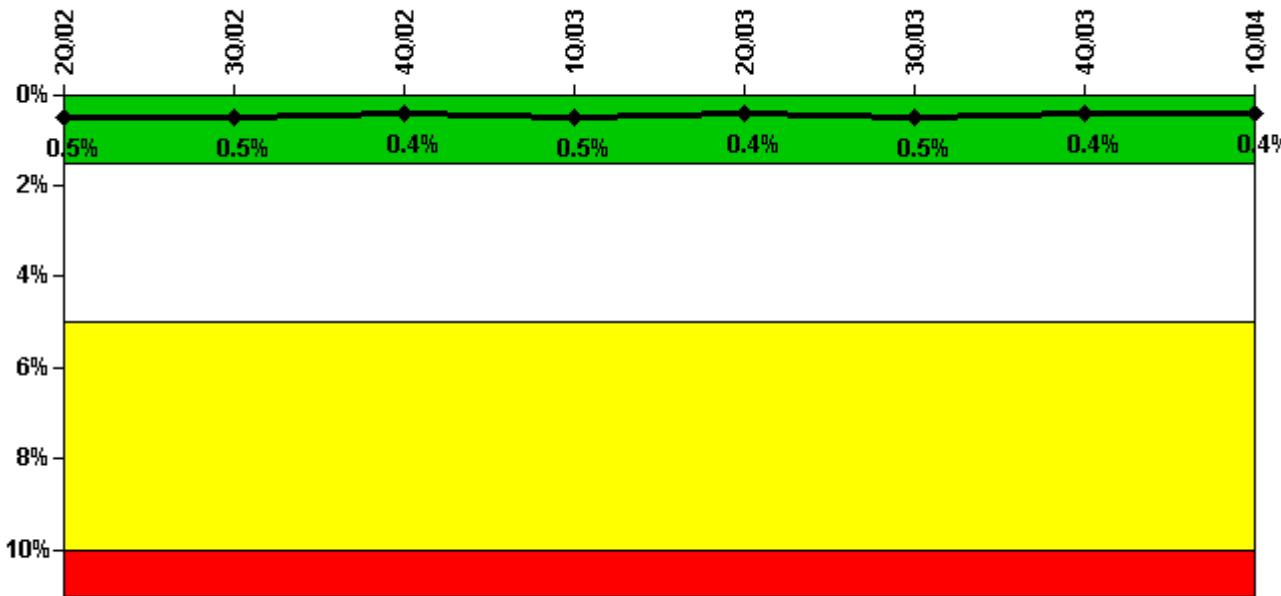
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	3.30	12.20	0	10.80	0	10.40	0	6.80
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1123.00	2208.00	2209.00	2160.00	2114.70	2208.00	1172.50	2151.70
Train 2								
Planned unavailable hours	14.50	10.80	0	10.20	0	16.10	0	8.80
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1123.00	2208.00	2209.00	2160.00	2114.70	2208.00	1172.50	2151.70
Train 3								
Planned unavailable hours	18.60	0	11.90	0	10.20	0	15.70	3.20
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	1123.00	2208.00	2209.00	2160.00	2114.70	2208.00	1172.50	2151.70
Indicator value	0.4%							

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

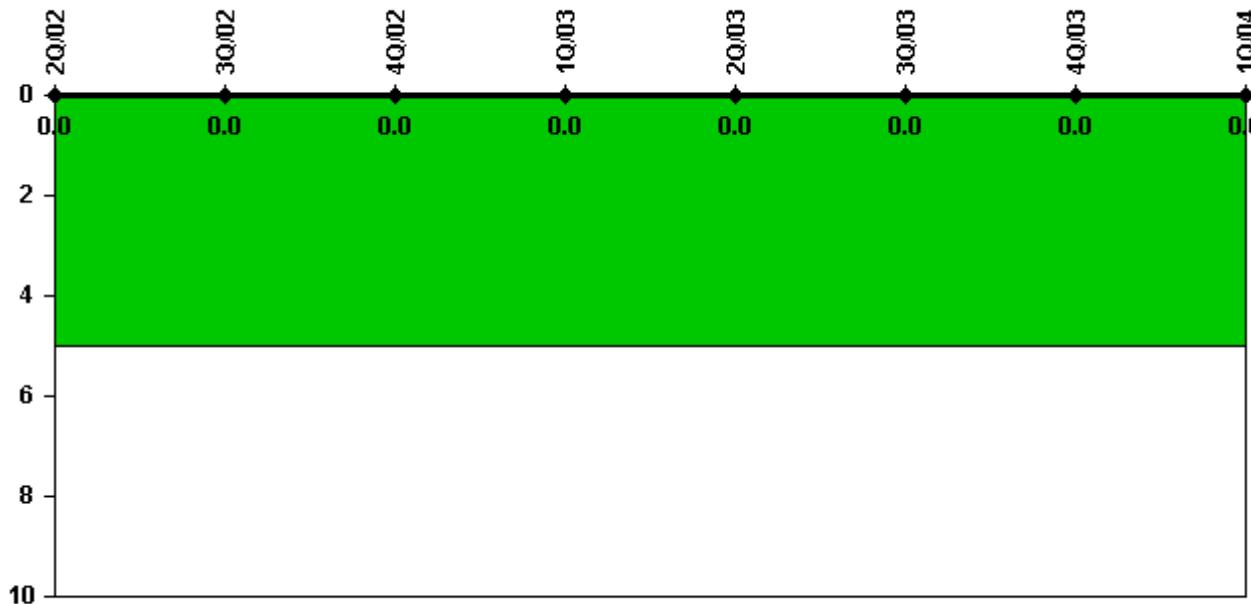


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	35.10	10.90	8.80	15.20	0	10.90	0	14.80
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	8.00	15.20	10.00	0	0	11.80	0	8.90
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	0.5%	0.5%	0.4%	0.5%	0.4%	0.5%	0.4%	0.4%

Licensee Comments: none

Safety System Functional Failures (PWR)

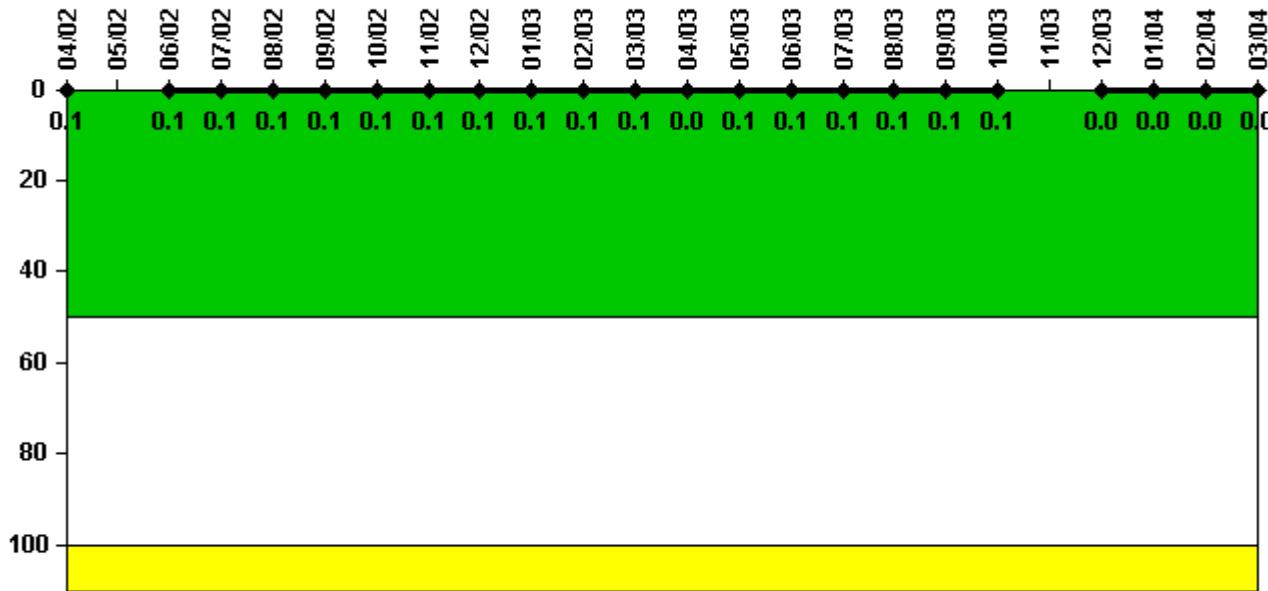
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

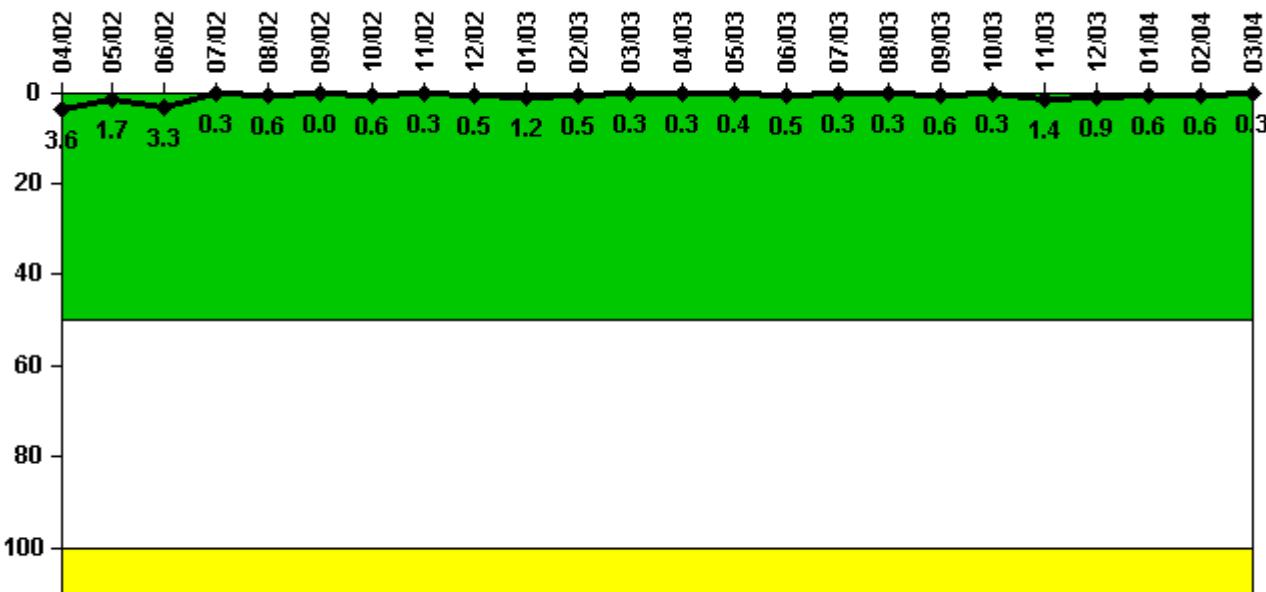
Notes

Reactor Coolant System Activity	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum activity	0.000386	N/A	0.000216	0.000228	0.000234	0.000253	0.000260	0.000269	0.000281	0.000291	0.000296	0.000317
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	N/A	0.1									

Reactor Coolant System Activity	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04
Maximum activity	0.000302	0.001080	0.000523	0.000615	0.000538	0.000642	0.000807	N/A	0.000178	0.000164	0.000221	0.000195
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0.1	0	0	0	0						

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

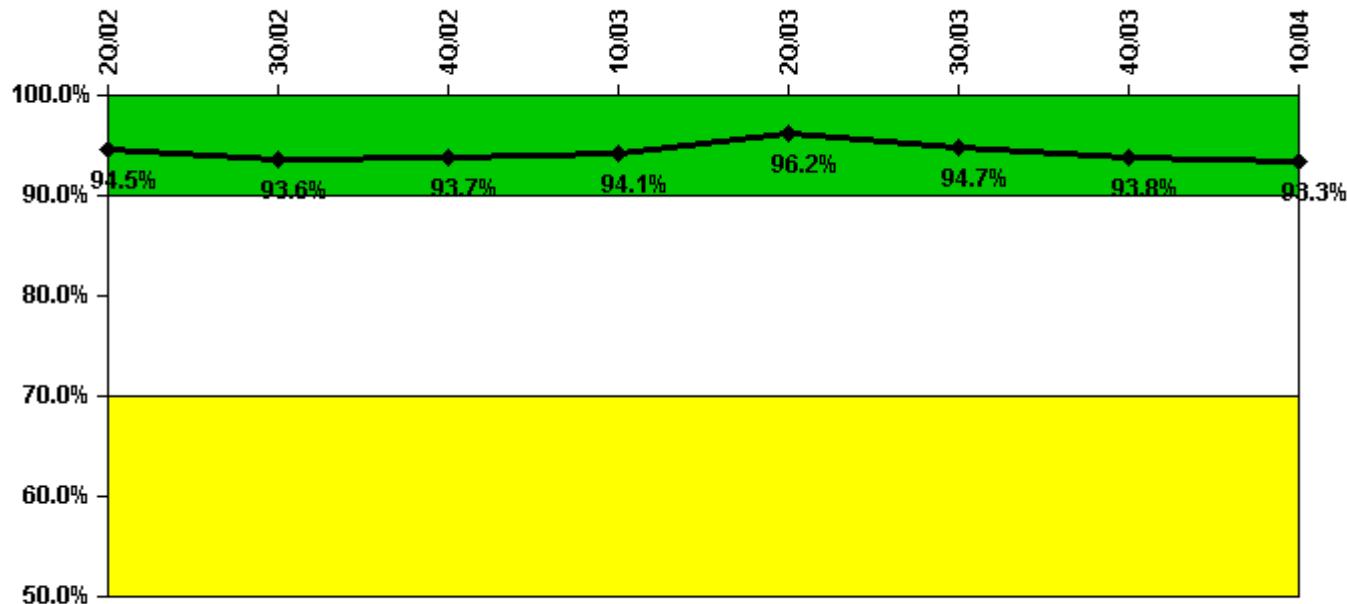
Notes

Reactor Coolant System Leakage												
	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum leakage	0.360	0.170	0.330	0.030	0.060	0	0.060	0.030	0.050	0.120	0.050	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	3.6	1.7	3.3	0.3	0.6	0	0.6	0.3	0.5	1.2	0.5	0.3

Reactor Coolant System Leakage												
	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04
Maximum leakage	0.030	0.040	0.050	0.030	0.030	0.060	0.030	0.140	0.090	0.060	0.060	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.4	0.5	0.3	0.3	0.6	0.3	1.4	0.9	0.6	0.6	0.3

Licensee Comments: none

Drill/Exercise Performance



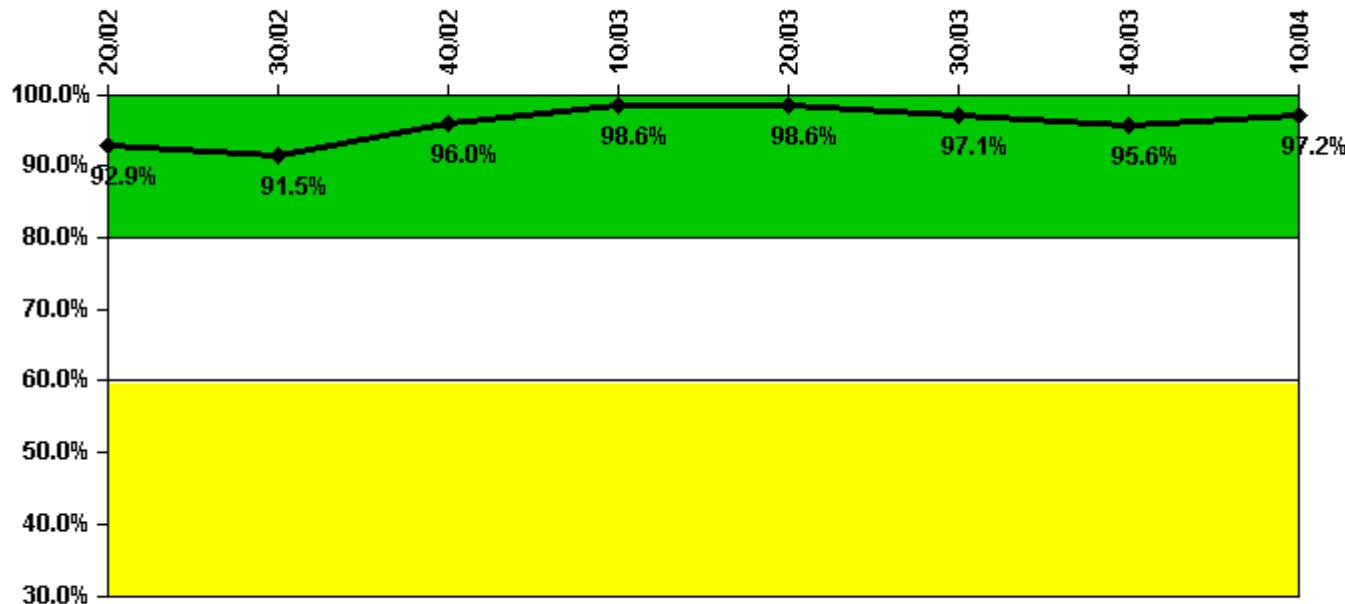
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Successful opportunities	15.0	18.0	16.0	25.0	16.0	32.0	0	58.0
Total opportunities	15.0	21.0	17.0	26.0	18.0	35.0	0	61.0
Indicator value	94.5%	93.6%	93.7%	94.1%	96.2%	94.7%	93.8%	93.3%

Licensee Comments: none

ERO Drill Participation

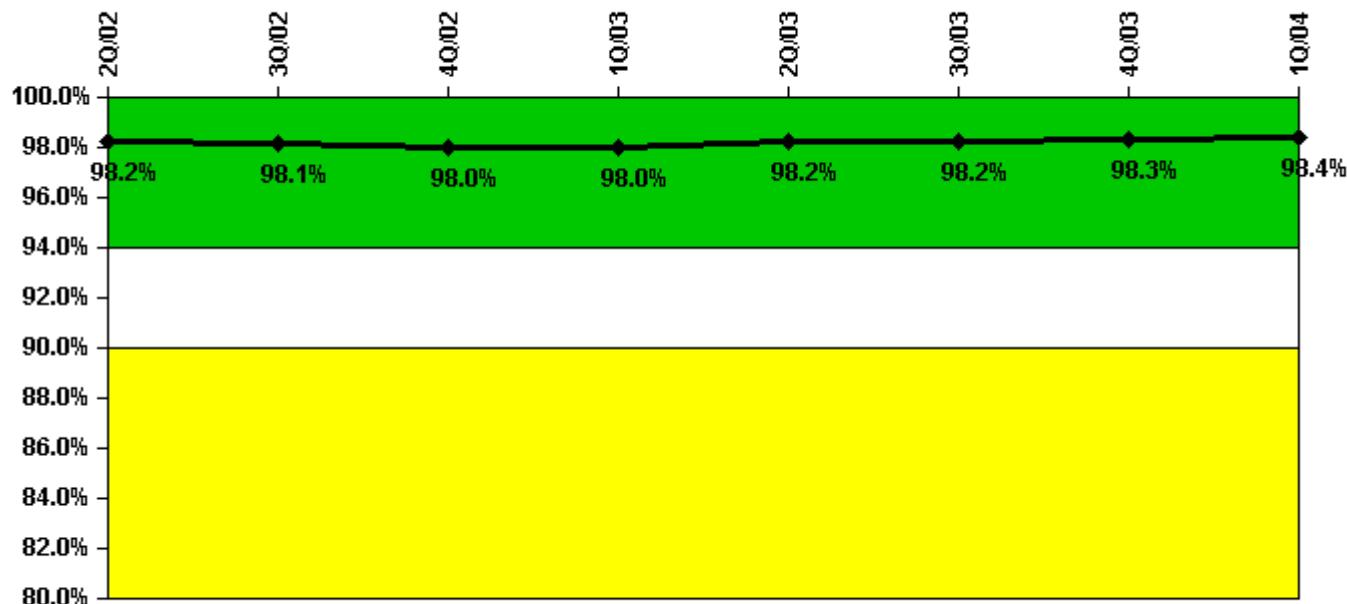


Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Participating Key personnel	65.0	65.0	72.0	68.0	68.0	67.0	65.0	69.0
Total Key personnel	70.0	71.0	75.0	69.0	69.0	69.0	68.0	71.0
Indicator value	92.9%	91.5%	96.0%	98.6%	98.6%	97.1%	95.6%	97.2%

Licensee Comments: none

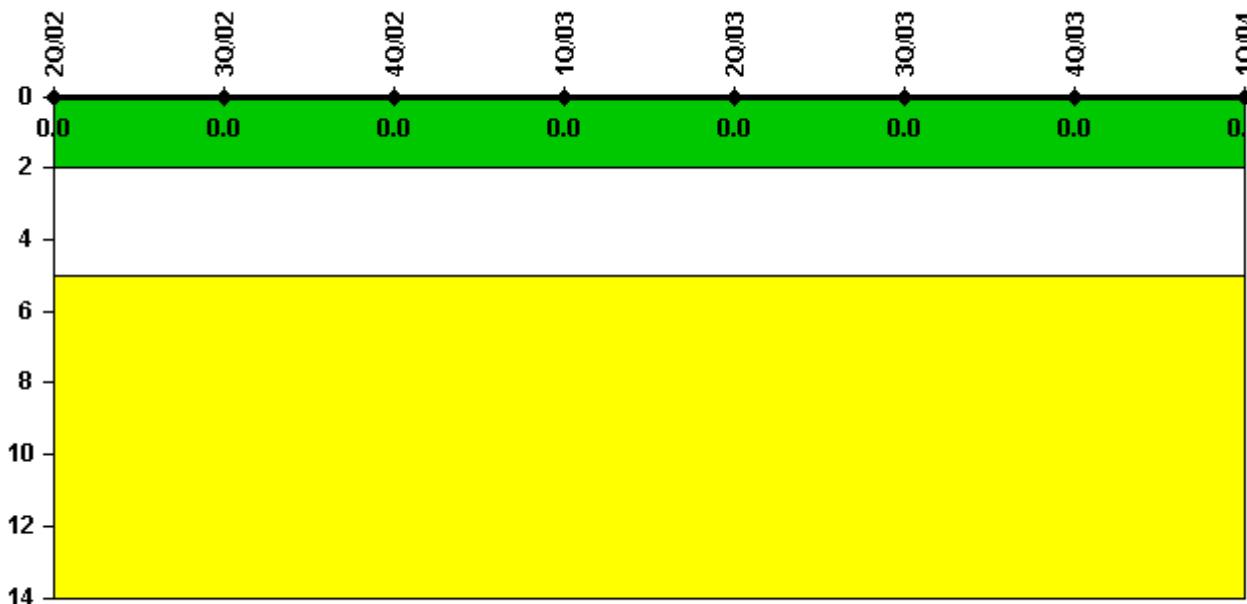
Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Successful siren-tests	1658	1746	1670	1674	1670	1645	1677	1674
Total sirens-tests	1696	1802	1695	1696	1694	1696	1692	1694
Indicator value	98.2%	98.1%	98.0%	98.0%	98.2%	98.2%	98.3%	98.4%

Licensee Comments: none

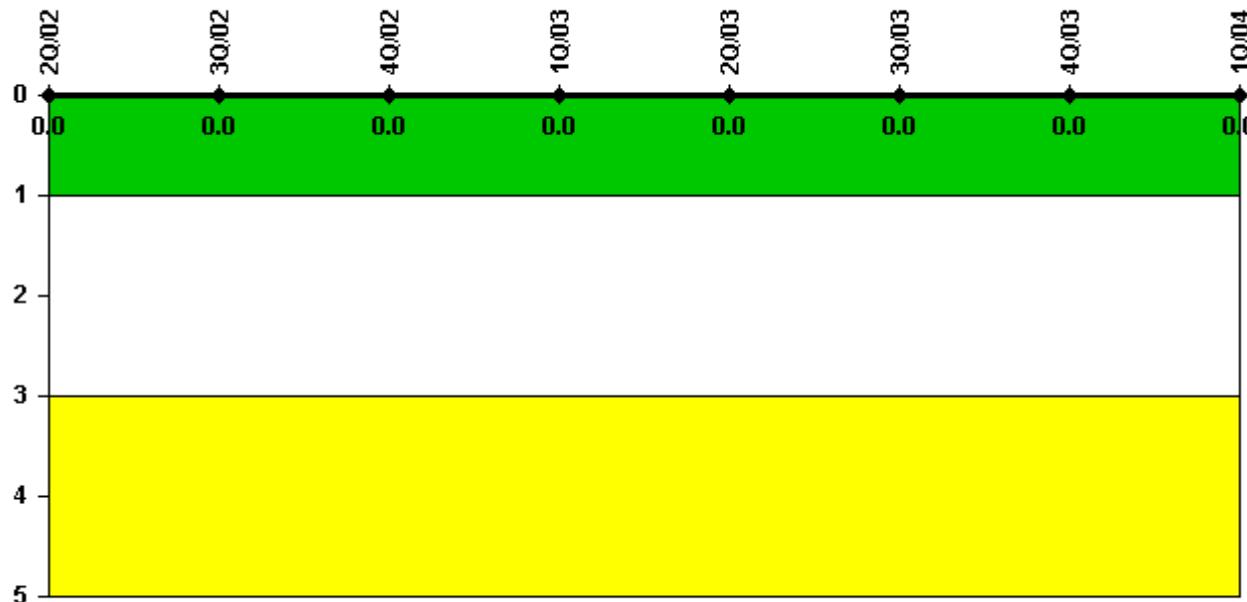
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

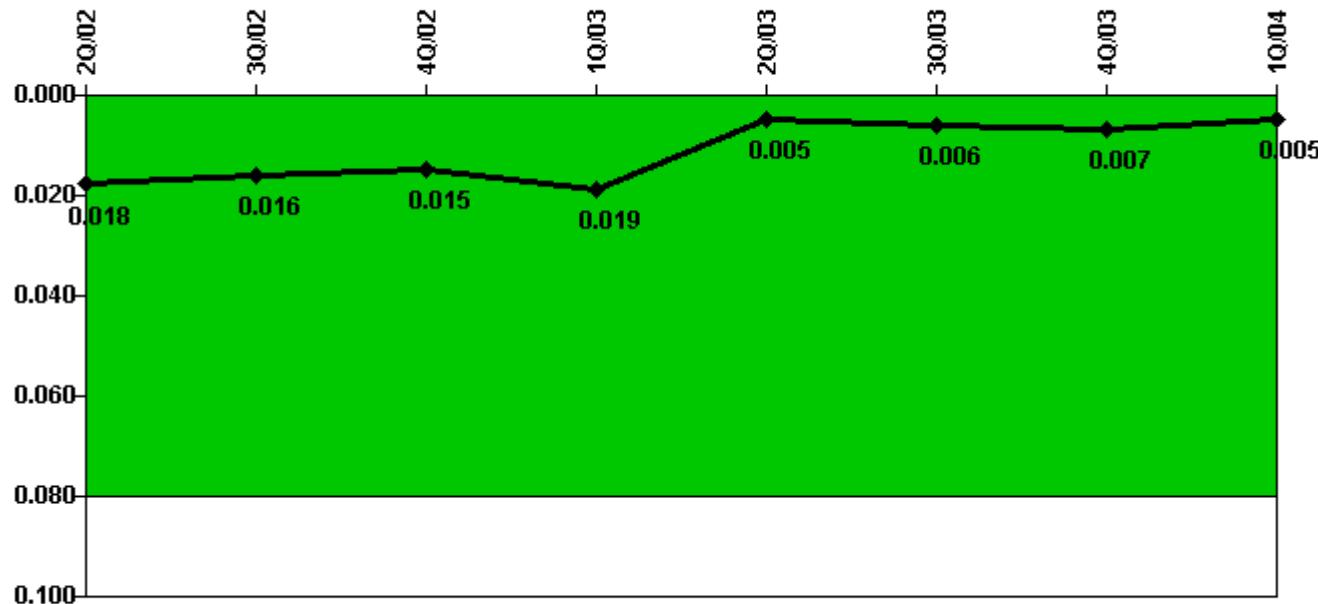
Thresholds: White > 1.0 Yellow > 3.0

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

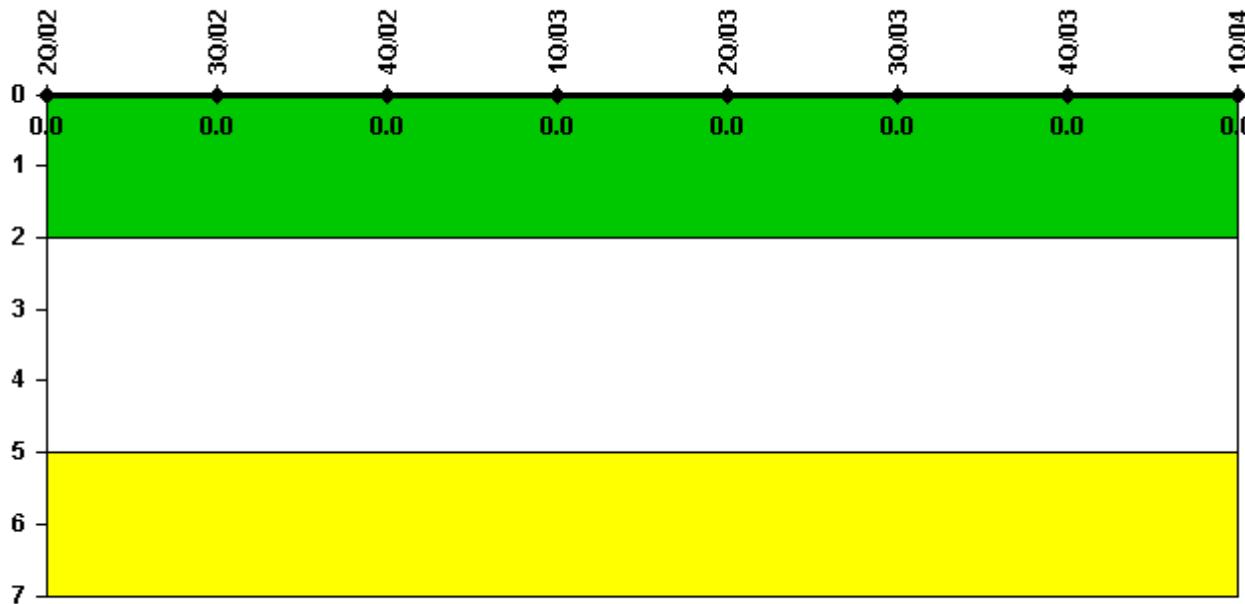


Thresholds: White > 0.080

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	291.10	0	2.18	83.72	10.56	16.11	37.80	37.10
CCTV compensatory hours	0	0.9	0	0	0	0	0	0
IDS normalization factor	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.018	0.016	0.015	0.019	0.005	0.006	0.007	0.005

Licensee Comments: none

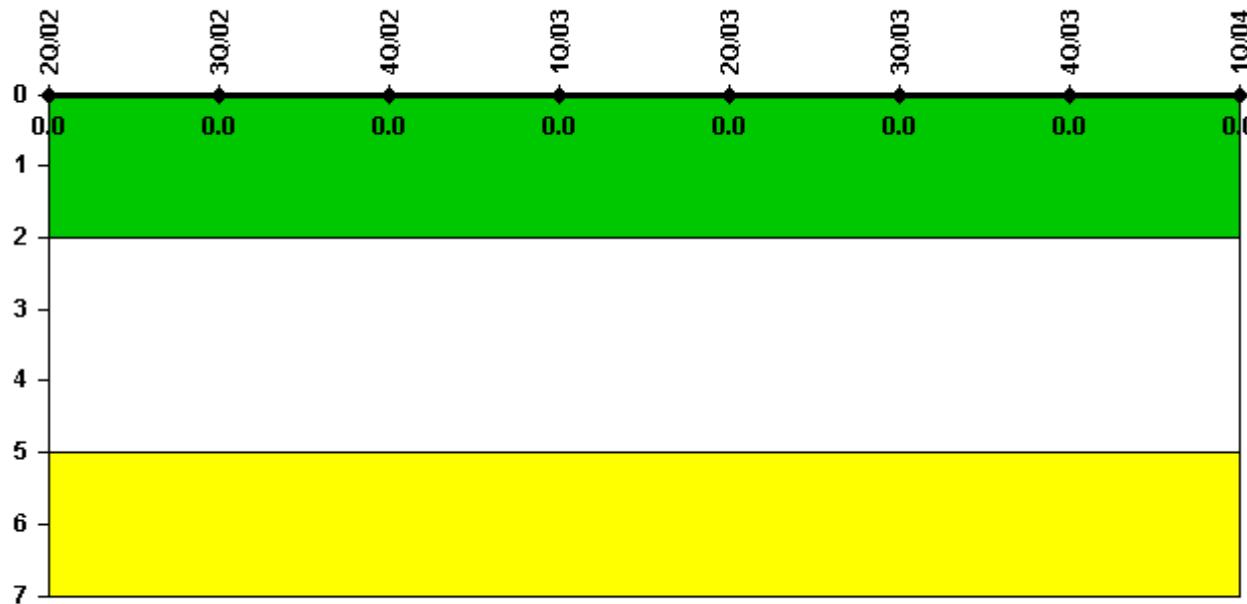
Personnel Screening Program

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							

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							

Licensee Comments: none

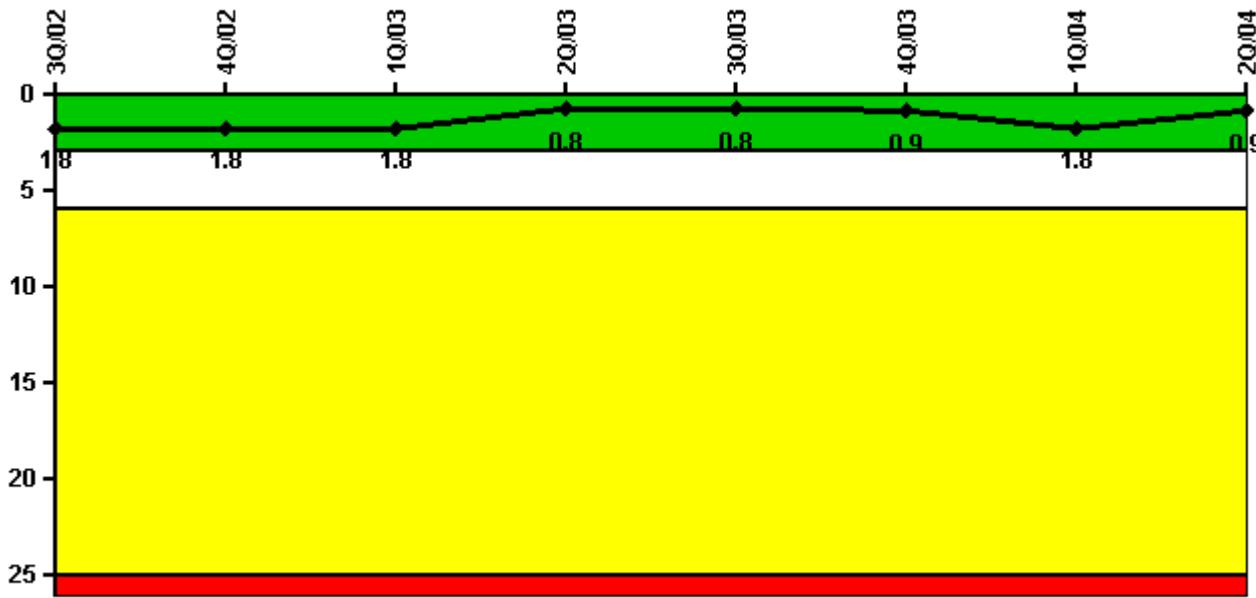


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Last Modified: April 22, 2004

Summer**2Q/2004 Performance Indicators**

Licensee's General Comments: Typo entering December 03 Total number of ANS siren tests for the month. 636 should have been keyed in instead of 632.

Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned scrams	0	0	0	1.0	0	0	1.0	0
Critical hours	2208.0	2209.0	2160.0	2114.7	2208.0	1172.5	2151.4	1937.5
Indicator value	1.8	1.8	1.8	0.8	0.8	0.9	1.8	0.9

Licensee Comments: none

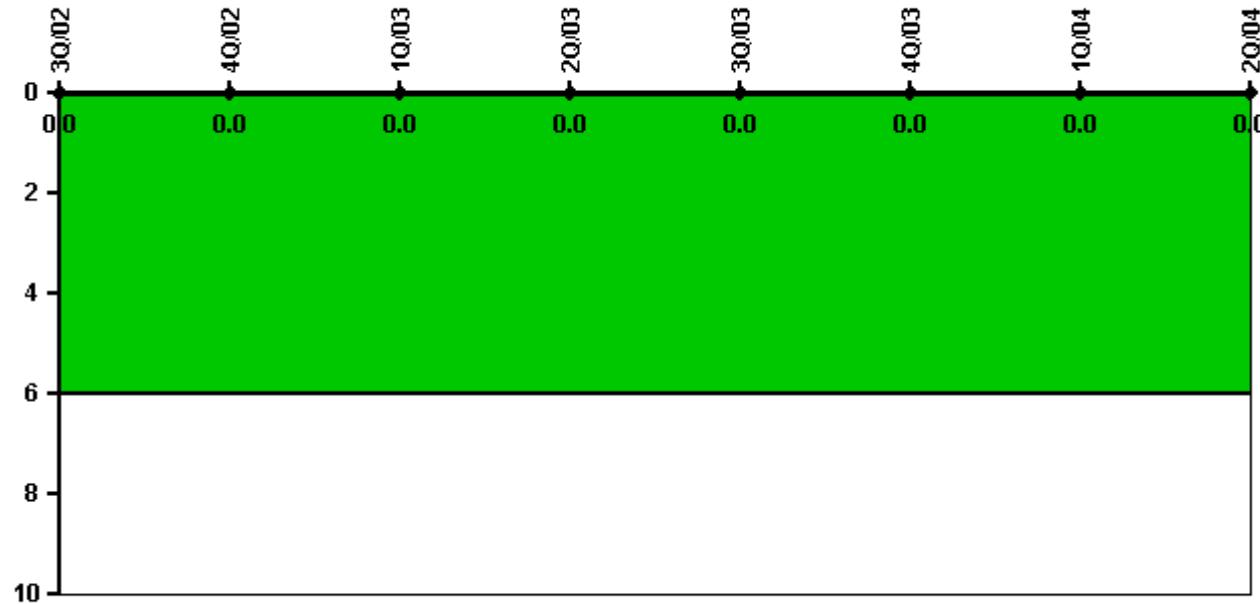
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

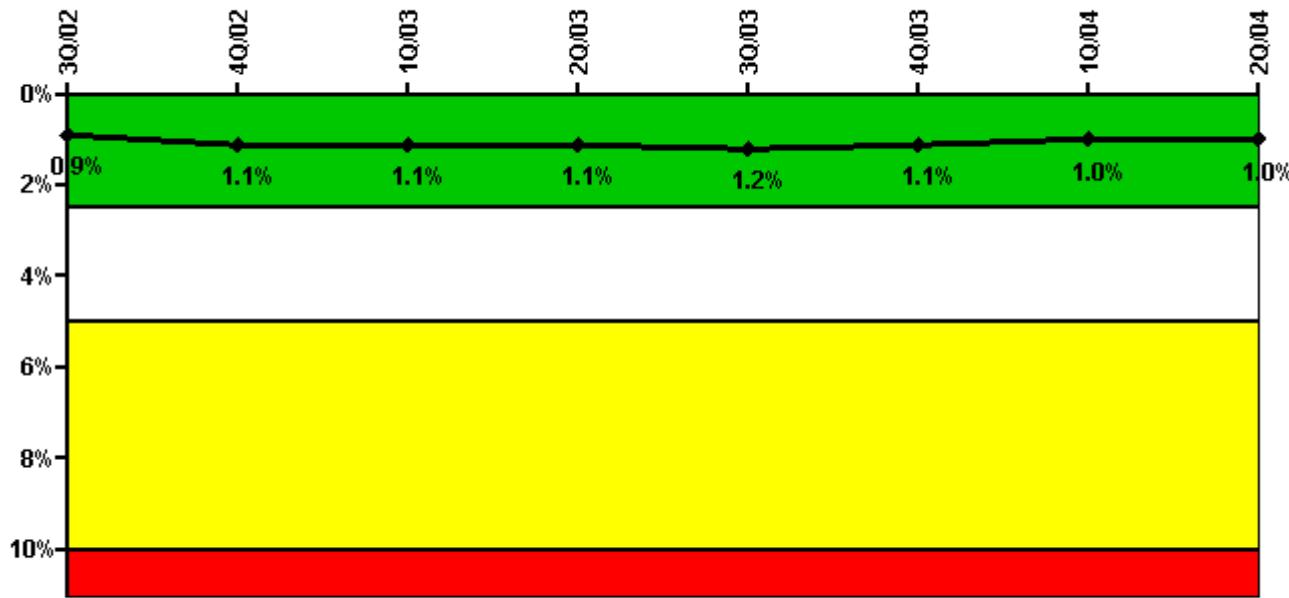
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2160.0	2114.7	2208.0	1172.5	2151.4	1937.5
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



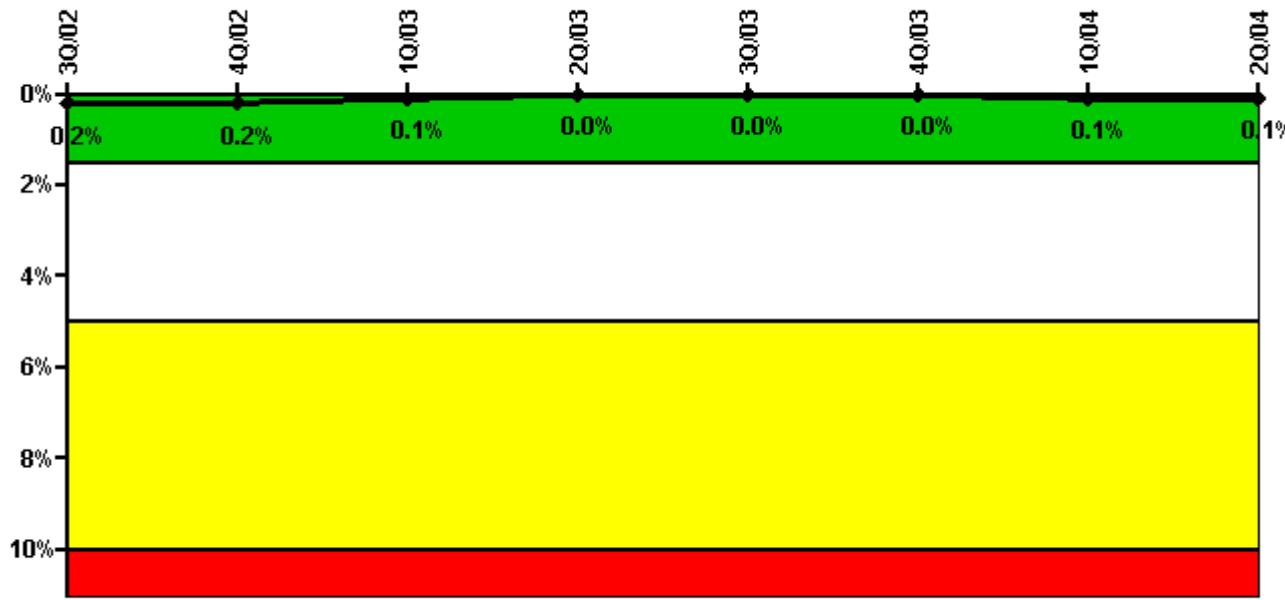
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	13.60	30.30	25.20	14.20	14.60	0.20	7.40	13.90
Unplanned unavailable hours	42.30	21.80	0	0	1.40	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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	15.10	13.70	12.30	38.80	24.10	0.20	12.90	13.80
Unplanned unavailable hours	0	0	61.70	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	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	0.9%	1.1%	1.1%	1.1%	1.2%	1.1%	1.0%	1.0%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



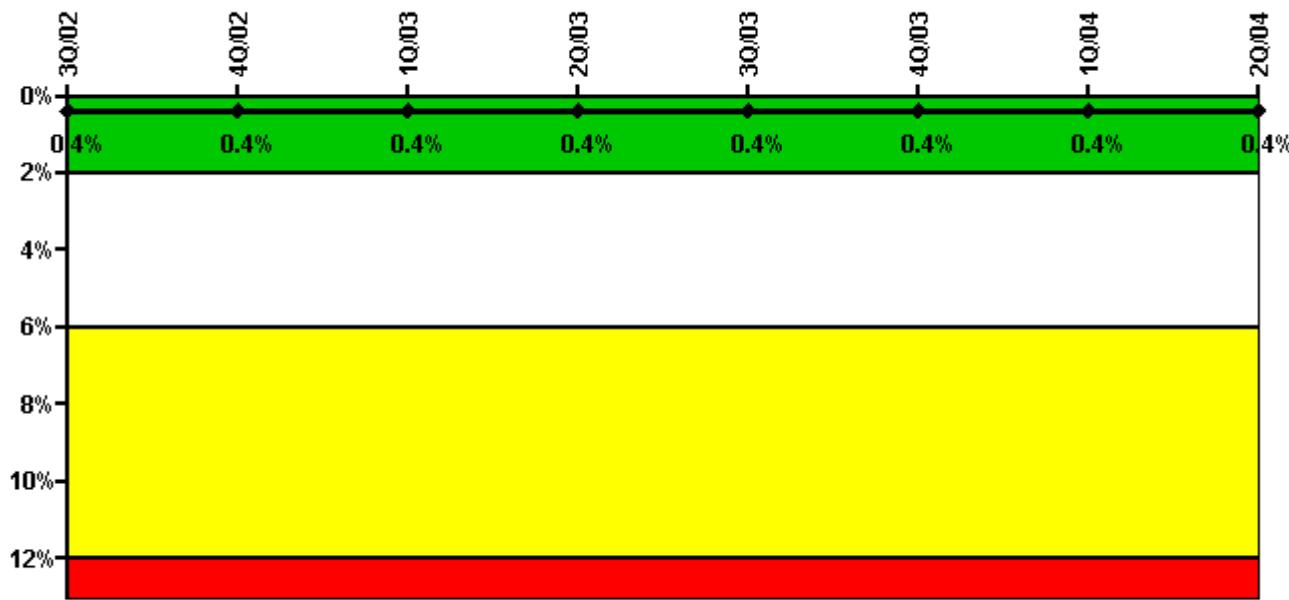
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)		3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1									
Planned unavailable hours		0.25	0.25	0.25	0.25	0.25	0	13.05	0.25
Unplanned unavailable hours		0	0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2208.00	2209.00	2160.00	2114.70	2208.00	1172.50	2151.70	1937.50
Train 2									
Planned unavailable hours		3.25	0.25	0.25	0.25	0.50	0	0.25	0.50
Unplanned unavailable hours		0	0	0	0	9.60	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		2208.00	2209.00	2160.00	2114.70	2208.00	1172.50	2151.70	1937.50
Indicator value		0.2%	0.2%	0.1%	0%	0%	0%	0.1%	0.1%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



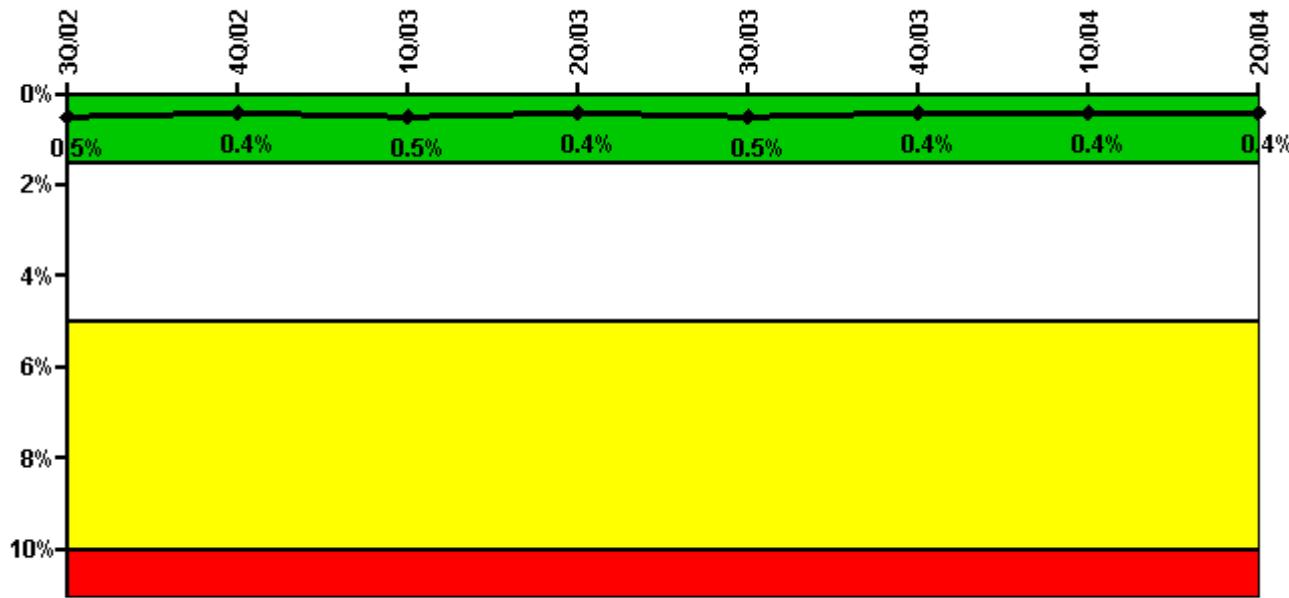
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	12.20	0	10.80	0	10.40	0	6.80	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2114.70	2208.00	1172.50	2151.70	1937.50
Train 2								
Planned unavailable hours	10.80	0	10.20	0	16.10	0	8.80	16.00
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	2114.70	2208.00	1172.50	2151.70	1937.50
Train 3								
Planned unavailable hours	0	11.90	0	10.20	0	15.70	3.20	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2114.70	2208.00	1172.50	2151.70	1937.50
Indicator value	0.4%							

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



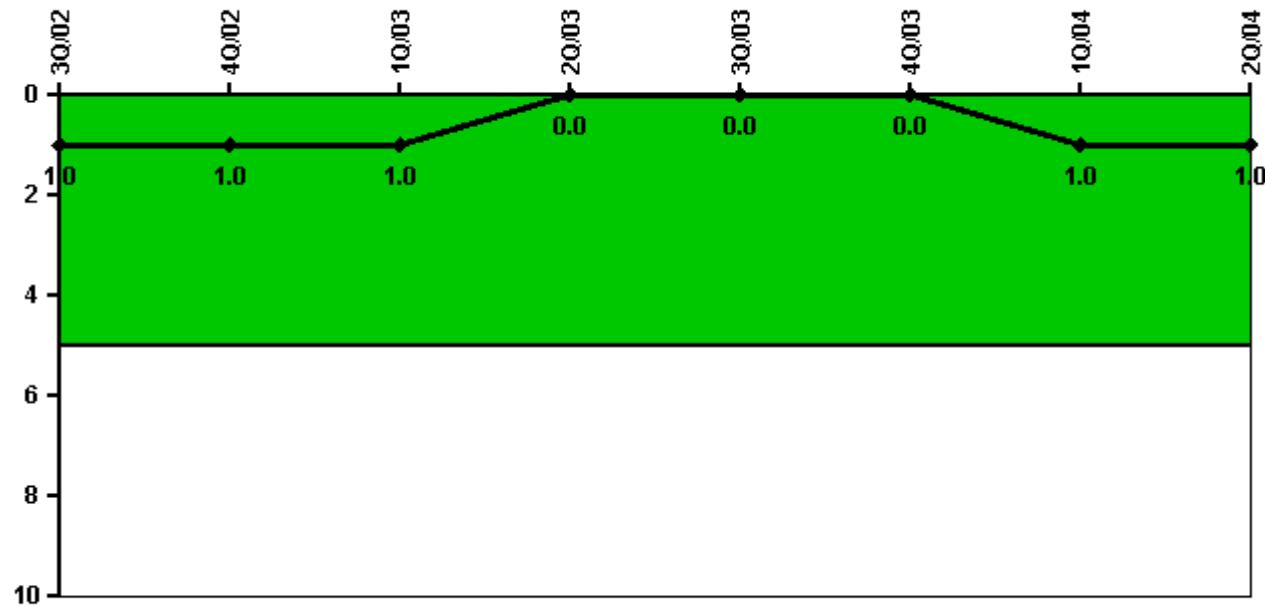
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	10.90	8.80	15.20	0	10.90	0	14.80	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	15.20	10.00	0	0	11.80	0	8.90	7.30
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	0.5%	0.4%	0.5%	0.4%	0.5%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Functional Failures (PWR)



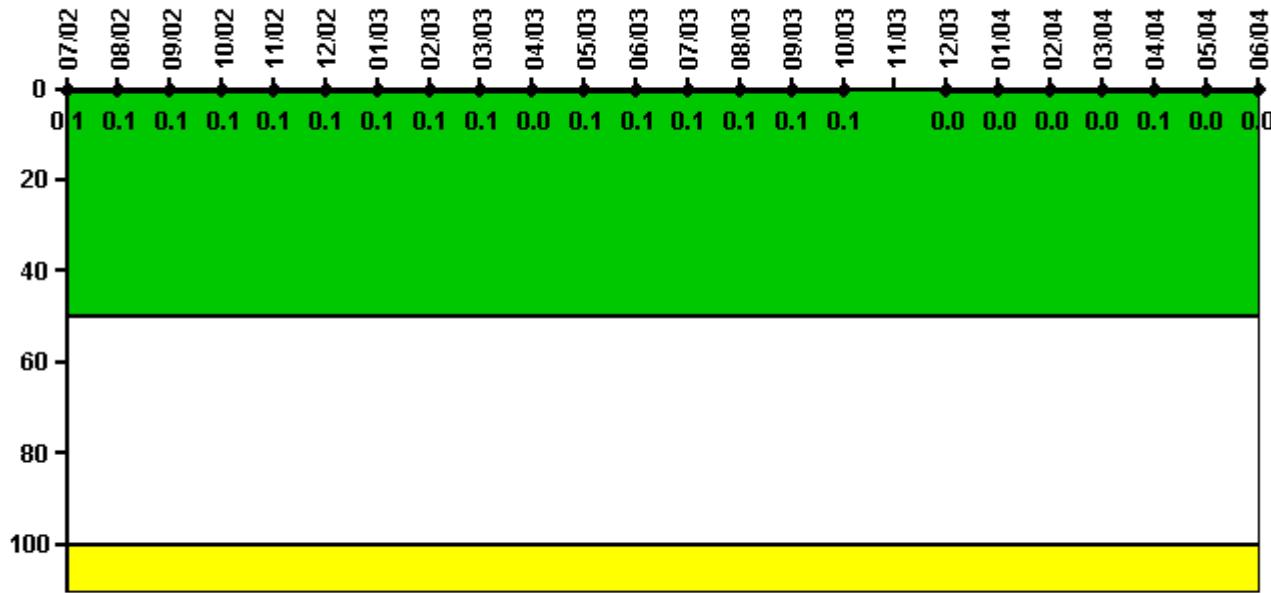
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

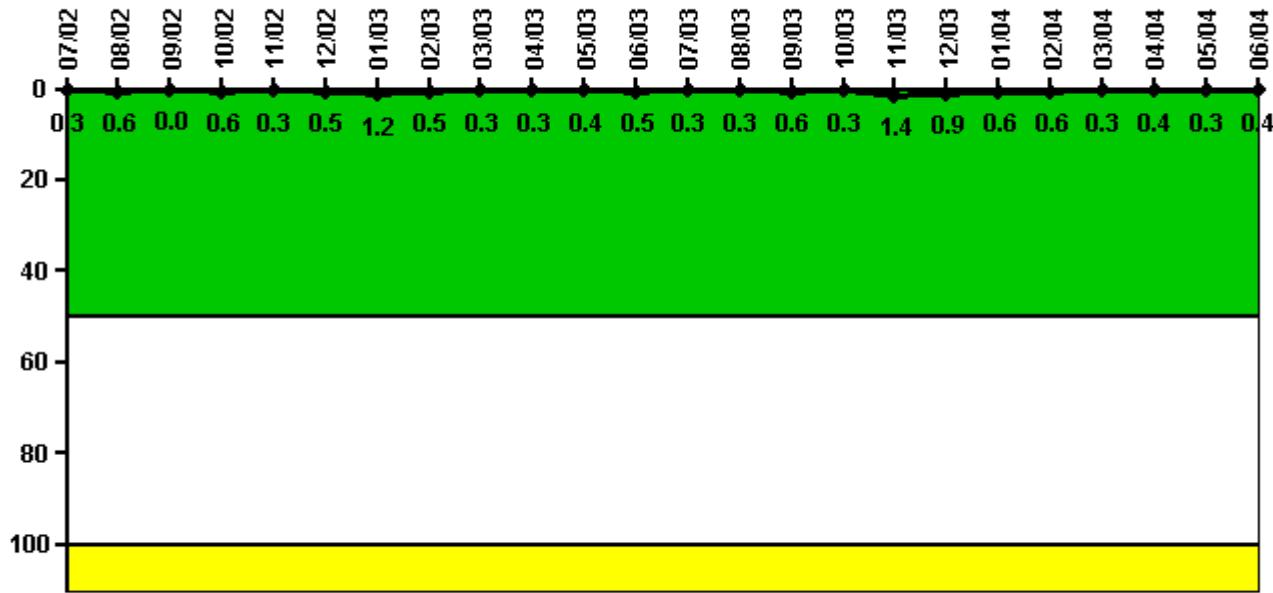
Notes

Reactor Coolant System Activity	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	0.000228	0.000234	0.000253	0.000260	0.000269	0.000281	0.000291	0.000296	0.000317	0.000302	0.001080	0.000523
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.0	1.0	1.0
Indicator value	0.1	0	0.1	0.1								

Reactor Coolant System Activity	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum activity	0.000615	0.000538	0.000642	0.000807	N/A	0.000178	0.000164	0.000221	0.000195	0.000757	0.000180	0.000233
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	N/A	0	0	0	0	0.1	0	0

Licensee Comments: none

Reactor Coolant System Leakage



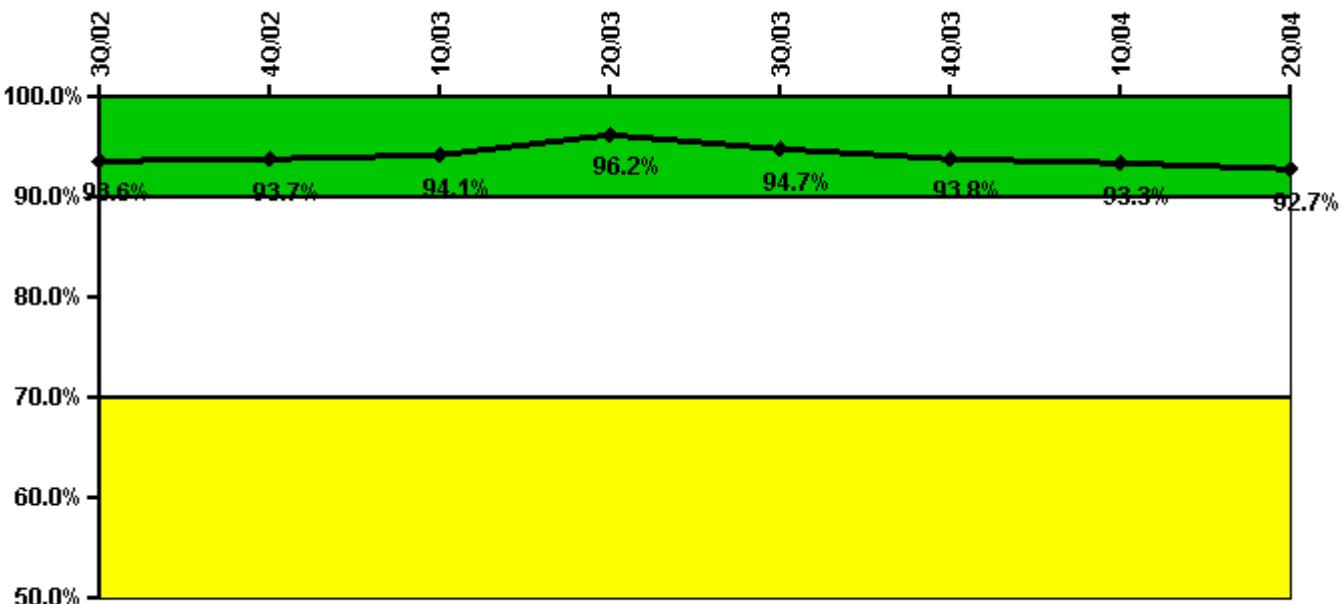
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/02	8/02	9/02	10/02	11/02	12/02	01/03	02/03	3/03	4/03	5/03	6/03
Maximum leakage	0.030	0.060	0	0.060	0.030	0.050	0.120	0.050	0.030	0.030	0.040	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.6	0	0.6	0.3	0.5	1.2	0.5	0.3	0.3	0.4	0.5
Reactor Coolant System Leakage	7/03	8/03	9/03	10/03	11/03	12/03	01/04	02/04	3/04	4/04	5/04	6/04
Maximum leakage	0.030	0.030	0.060	0.030	0.140	0.090	0.060	0.060	0.030	0.040	0.030	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.3	0.6	0.3	1.4	0.9	0.6	0.6	0.3	0.4	0.3	0.4

Licensee Comments: none

Drill/Exercise Performance



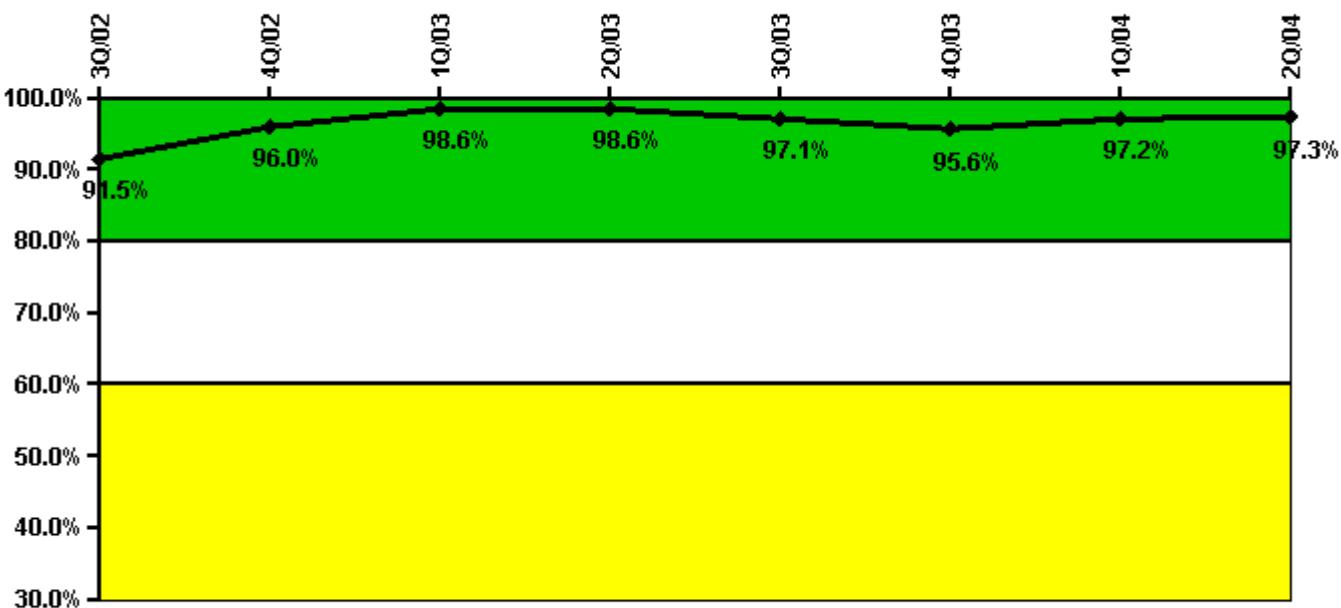
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful opportunities	18.0	16.0	25.0	16.0	32.0	0	58.0	26.0
Total opportunities	21.0	17.0	26.0	18.0	35.0	0	61.0	28.0
Indicator value	93.6%	93.7%	94.1%	96.2%	94.7%	93.8%	93.3%	92.7%

Licensee Comments: none

ERO Drill Participation



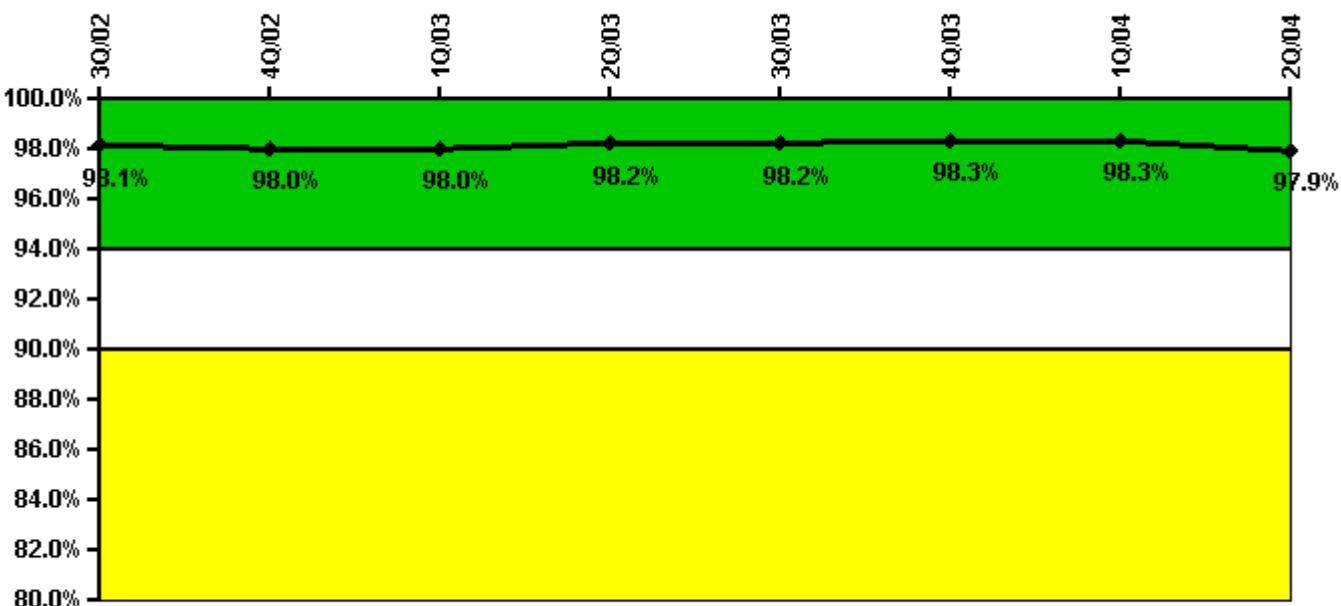
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Participating Key personnel	65.0	72.0	68.0	68.0	67.0	65.0	69.0	73.0
Total Key personnel	71.0	75.0	69.0	69.0	69.0	68.0	71.0	75.0
Indicator value	91.5%	96.0%	98.6%	98.6%	97.1%	95.6%	97.2%	97.3%

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	1746	1670	1674	1670	1645	1677	1674	1644
Total sirens-tests	1802	1695	1696	1694	1696	1696	1694	1696
Indicator value	98.1%	98.0%	98.0%	98.2%	98.2%	98.3%	98.3%	97.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness

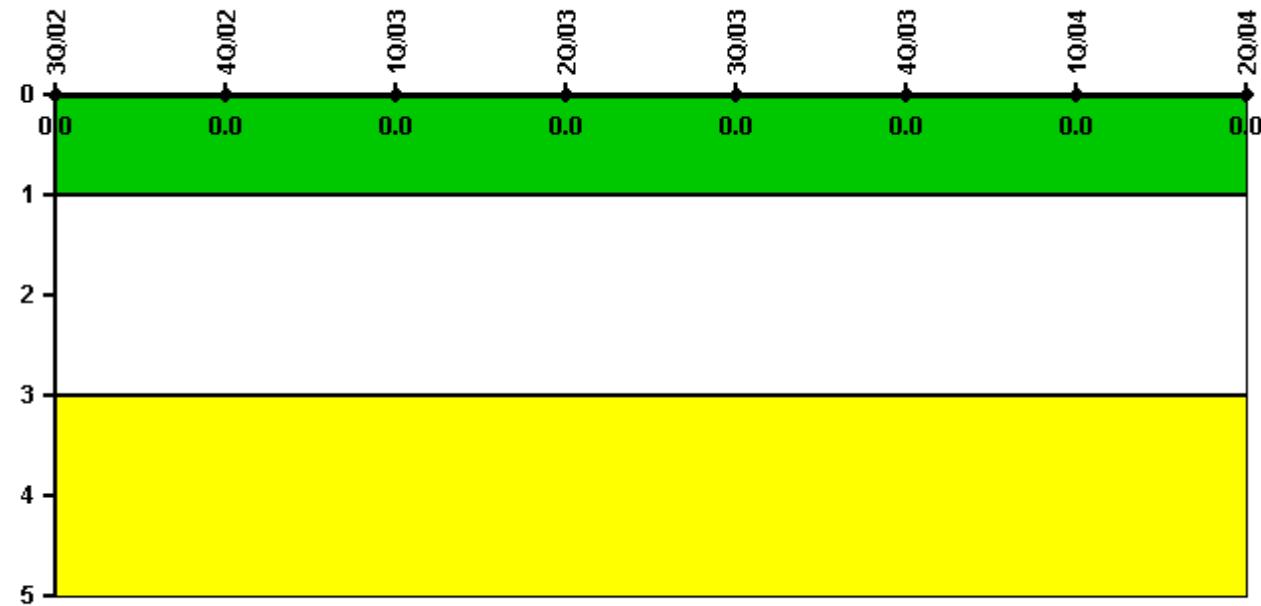


Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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							

Licensee Comments: none

[Physical Protection](#) information not publicly available.



[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: September 8, 2004

Summer**3Q/2004 Performance Indicators**

Licensee's General Comments: none

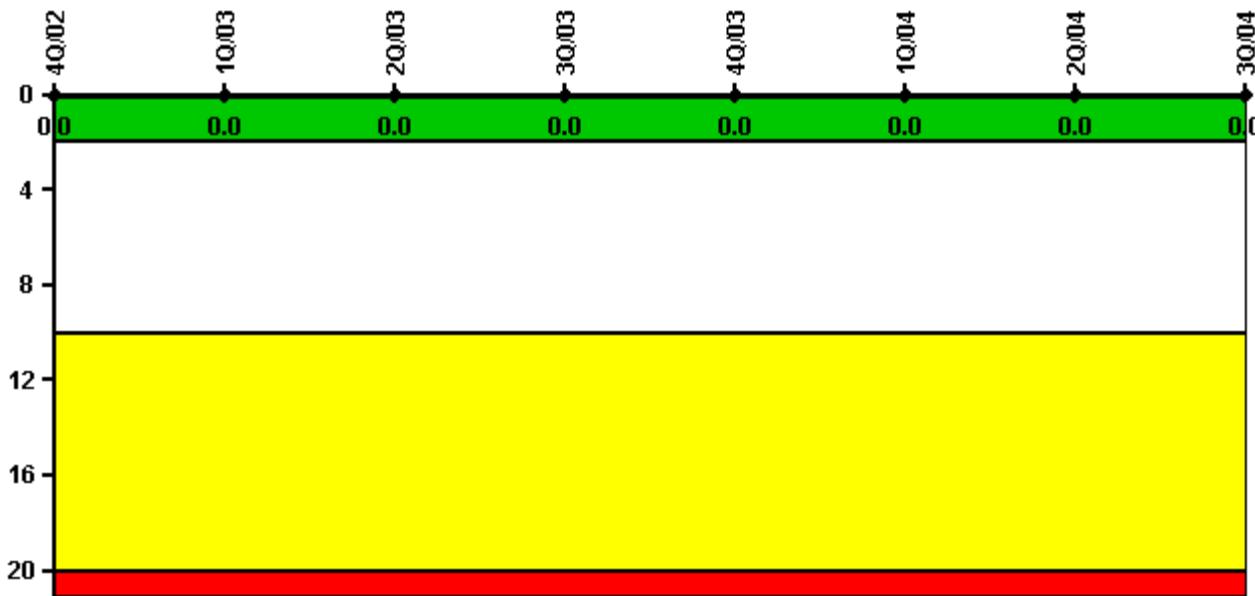
Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned scrams	0	0	1.0	0	0	1.0	0	0
Critical hours	2209.0	2160.0	2114.7	2208.0	1172.5	2151.4	1937.5	2208.0
Indicator value	1.8	1.8	0.8	0.8	0.9	1.8	0.9	0.9

Licensee Comments: none

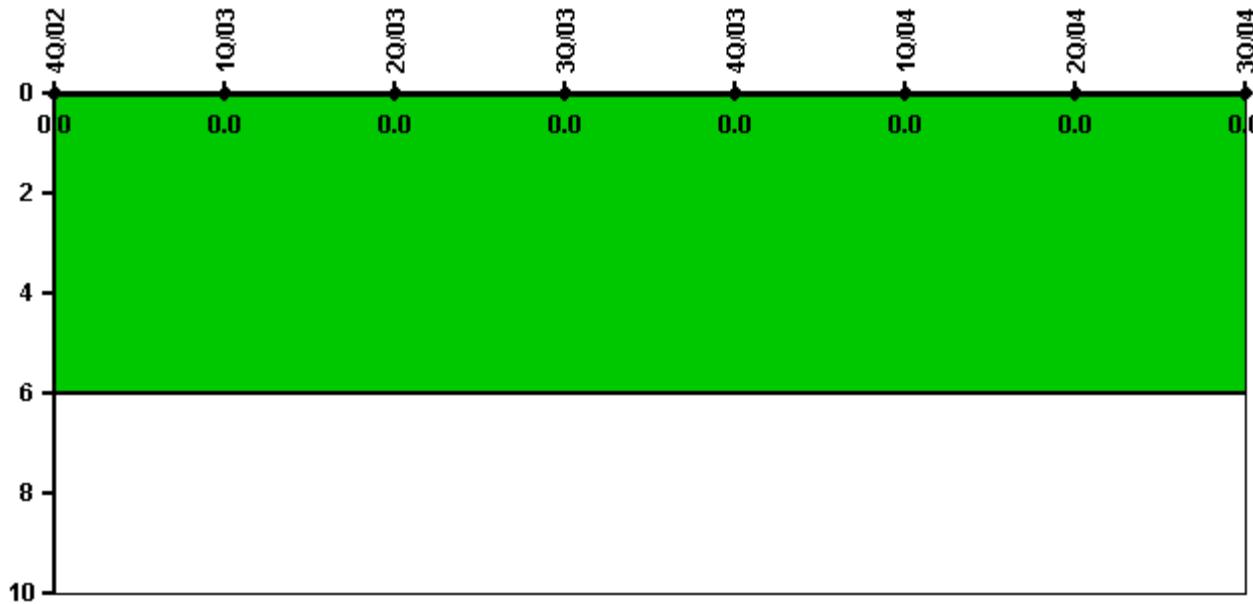
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

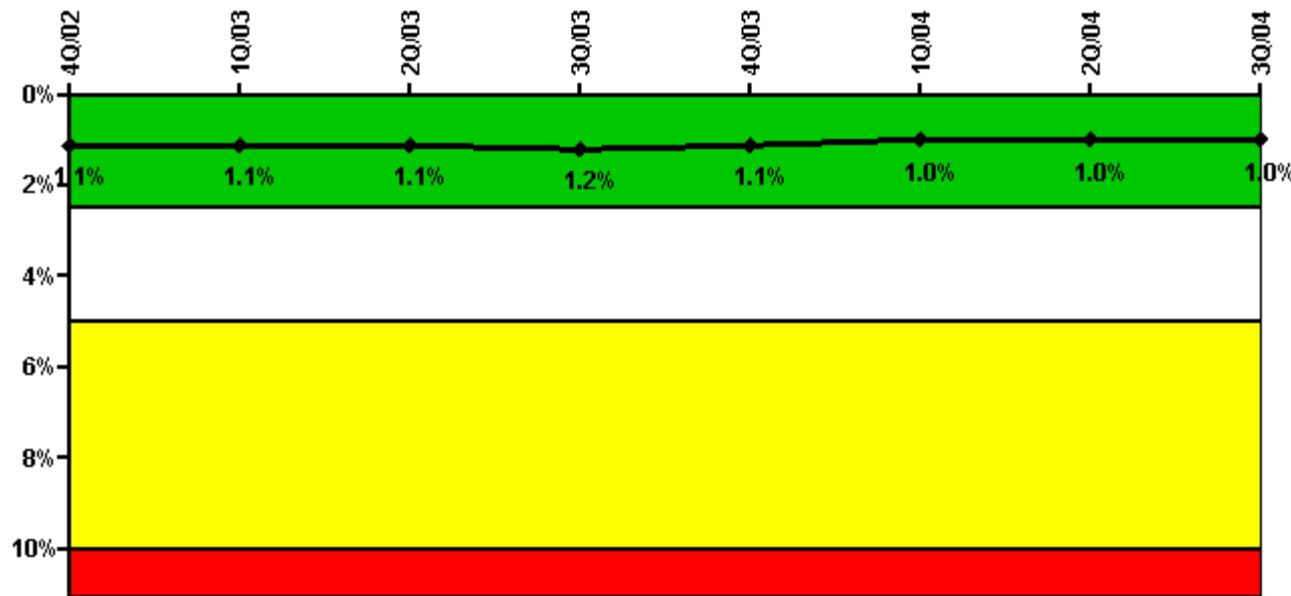
Thresholds: White > 6.0

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	0	0
Critical hours	2209.0	2160.0	2114.7	2208.0	1172.5	2151.4	1937.5	2208.0
Indicator value	0							

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



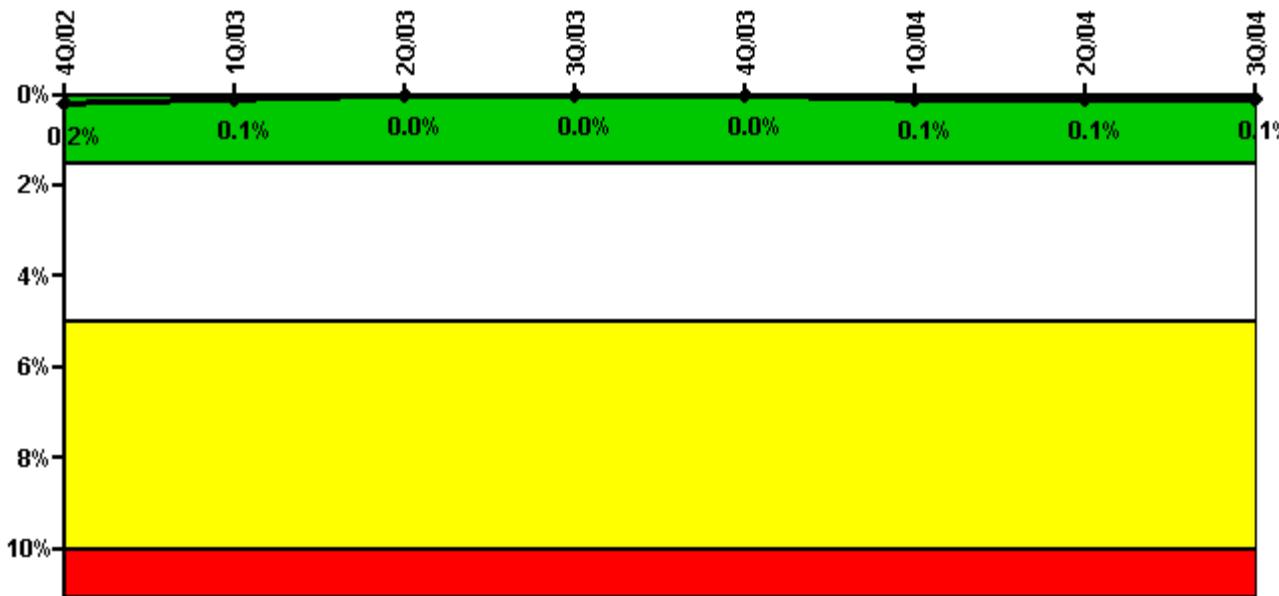
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	30.30	25.20	14.20	14.60	0.20	7.40	13.90	12.40
Unplanned unavailable hours	21.80	0	0	1.40	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	13.70	12.30	38.80	24.10	0.20	12.90	13.80	7.20
Unplanned unavailable hours	0	61.70	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	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	1.1%	1.1%	1.1%	1.2%	1.1%	1.0%	1.0%	1.0%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



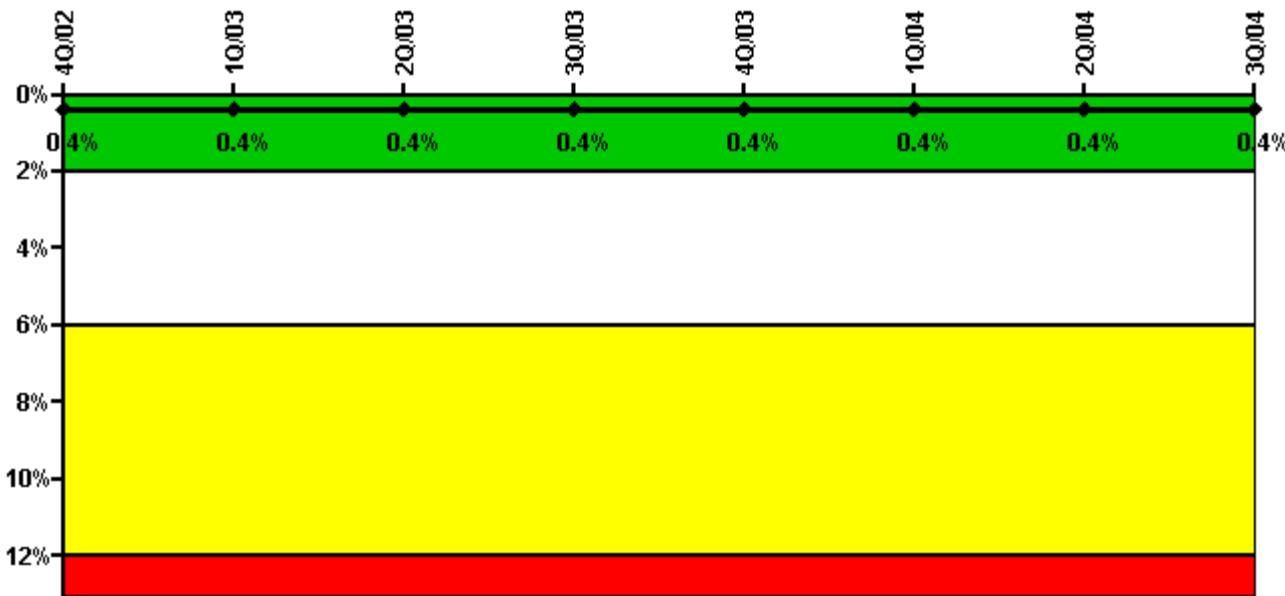
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	0.25	0.25	0.25	0.25	0	13.05	0.25	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2114.70	2208.00	1172.50	2151.70	1937.50	2208.00
Train 2								
Planned unavailable hours	0.25	0.25	0.25	0.50	0	0.25	0.50	0.50
Unplanned unavailable hours	0	0	0	9.60	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2114.70	2208.00	1172.50	2151.70	1937.50	2208.00
Indicator value	0.2%	0.1%	0%	0%	0%	0.1%	0.1%	0.1%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



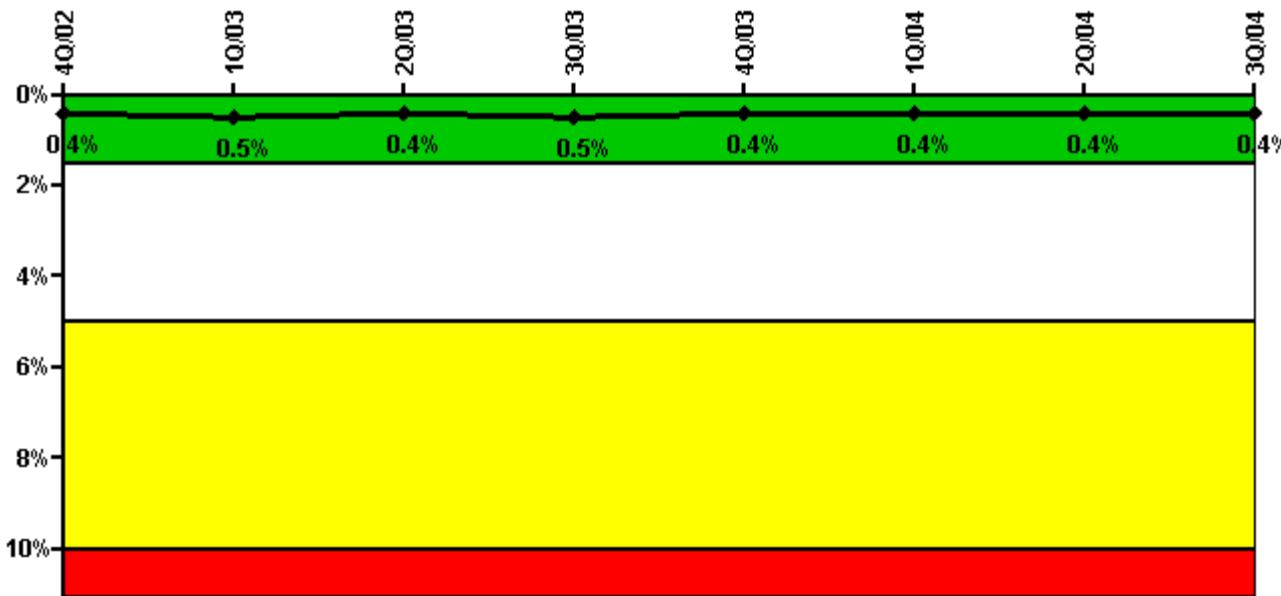
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	0	10.80	0	10.40	0	6.80	0	10.40
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	2209.00	2160.00	2114.70	2208.00	1172.50	2151.70	1937.50	2208.00
Train 2								
Planned unavailable hours	0	10.20	0	16.10	0	8.80	16.00	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2114.70	2208.00	1172.50	2151.70	1937.50	2208.00
Train 3								
Planned unavailable hours	11.90	0	10.20	0	15.70	3.20	0	5.20
Unplanned unavailable hours	0	0	0	0	0	0	0	3.00
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2114.70	2208.00	1172.50	2151.70	1937.50	2208.00
Indicator value	0.4%							

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



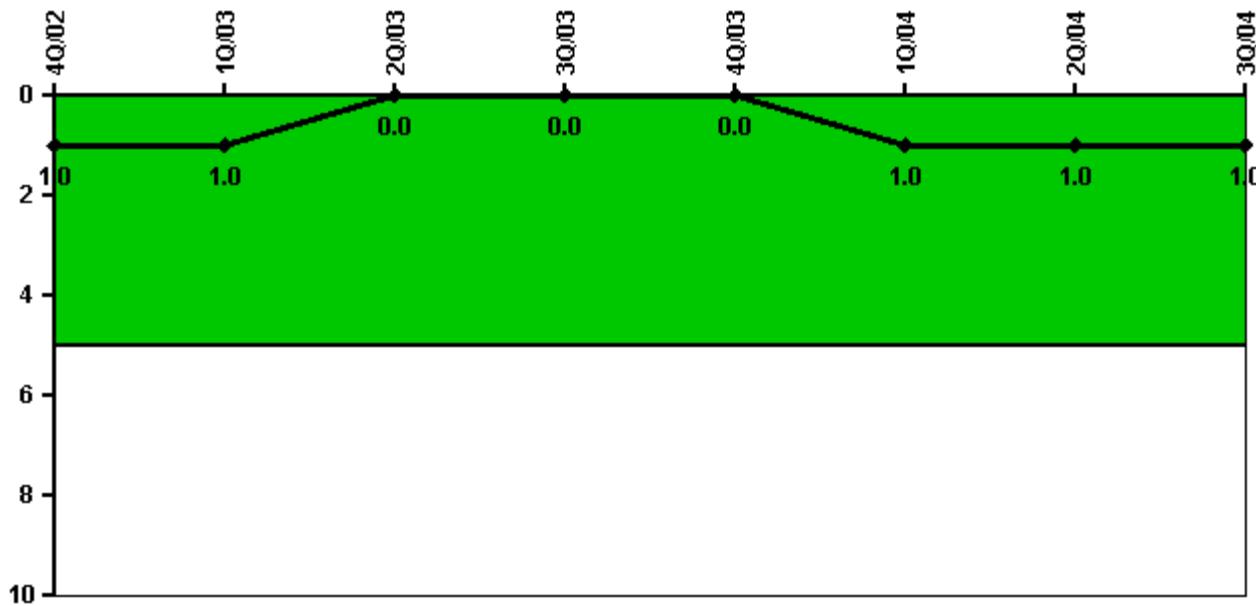
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	8.80	15.20	0	10.90	0	14.80	0	10.60
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	10.00	0	0	11.80	0	8.90	7.30	10.00
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	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	0.4%	0.5%	0.4%	0.5%	0.4%	0.4%	0.4%	0.4%

Licensee Comments:

3Q/04: "A" RHR Pump failed to start at 2337 on 10/3/04. The last satisfactory surveillance test was run on 8/5/04 at 0258. No known specific event or misalignment attributed to failure. Fault exposure hrs are T/2. Fault Exposure Hours for Q3 are 682.6 Hrs T/2.

Safety System Functional Failures (PWR)

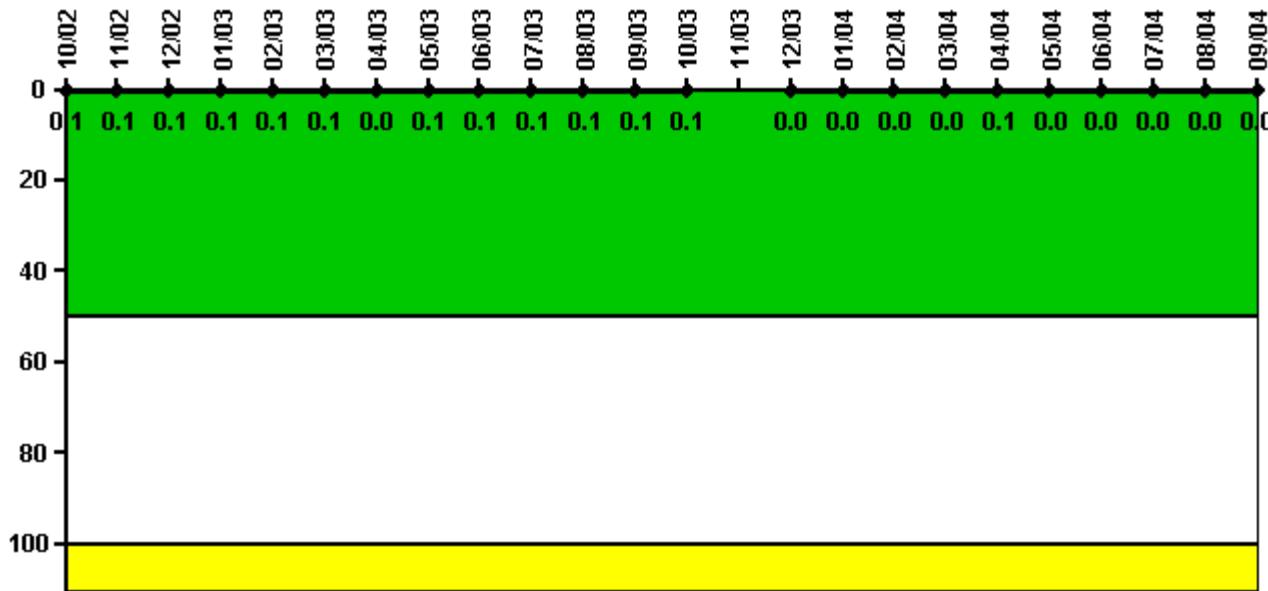
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



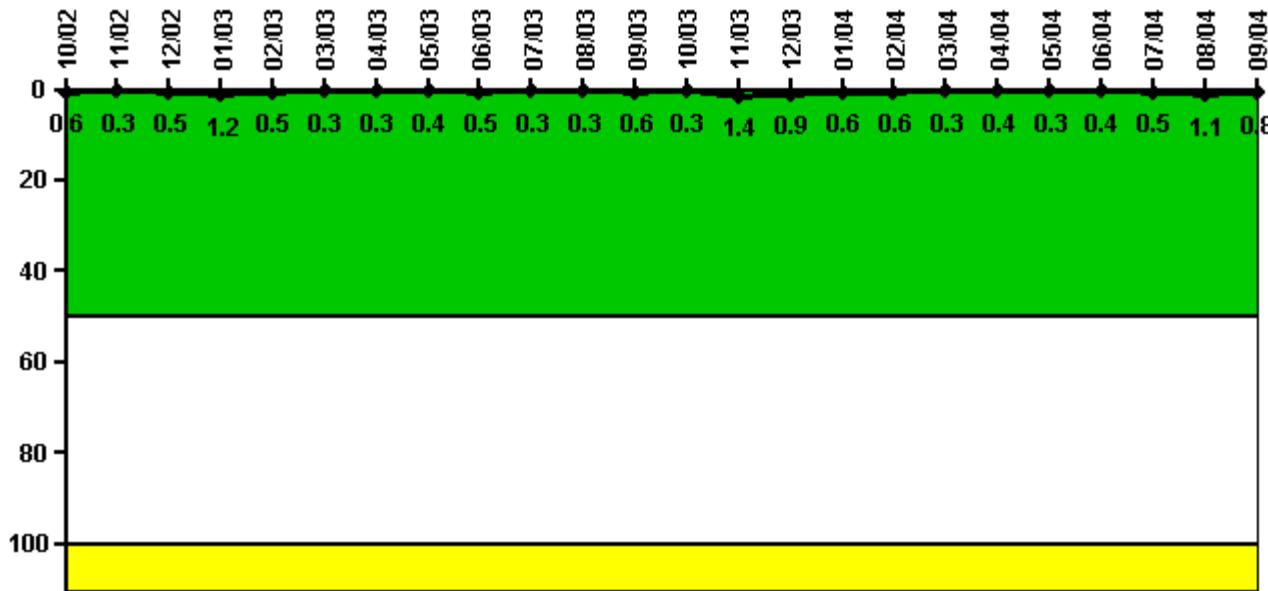
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum activity	0.000260	0.000269	0.000281	0.000291	0.000296	0.000317	0.000302	0.001080	0.000523	0.000615	0.000538	0.000642
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System Activity	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum activity	0.000807	N/A	0.000178	0.000164	0.000221	0.000195	0.000757	0.000180	0.000233	0.000262	0.000246	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	N/A	0	0	0	0	0.1	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



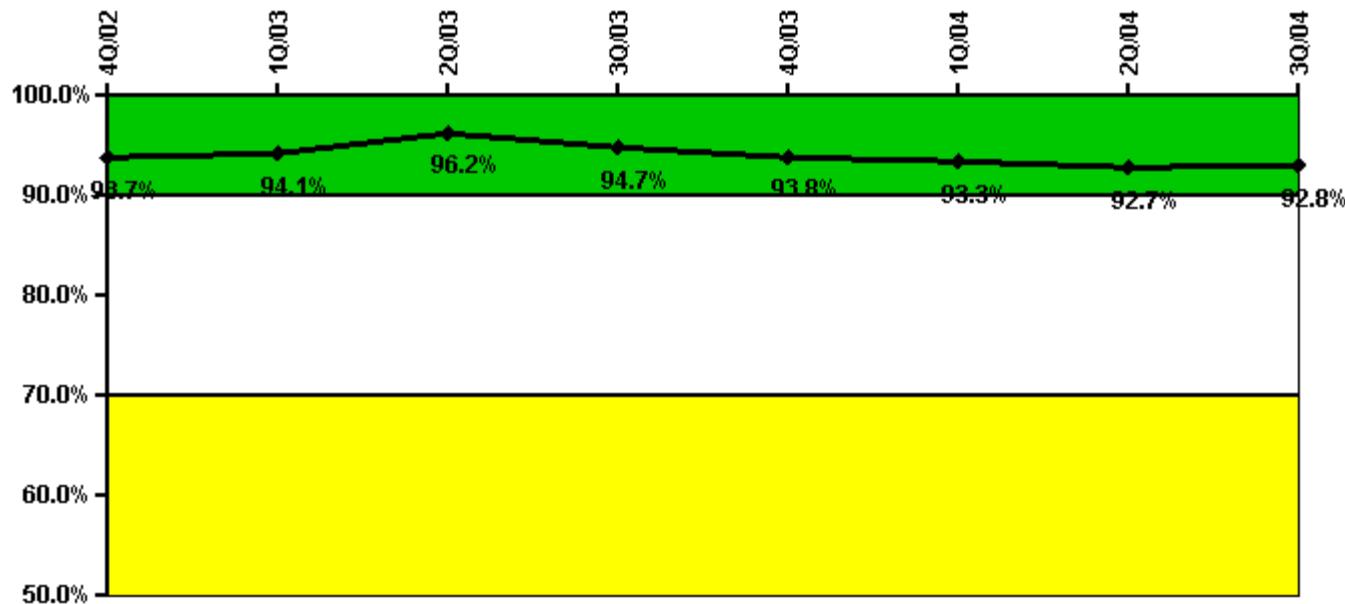
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	0.060	0.030	0.050	0.120	0.050	0.030	0.030	0.040	0.050	0.030	0.030	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.6	0.3	0.5	1.2	0.5	0.3	0.3	0.4	0.5	0.3	0.3	0.6
Reactor Coolant System Leakage	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	0.030	0.140	0.090	0.060	0.060	0.030	0.040	0.030	0.040	0.050	0.110	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	1.4	0.9	0.6	0.6	0.3	0.4	0.3	0.4	0.5	1.1	0.8

Licensee Comments: none

Drill/Exercise Performance



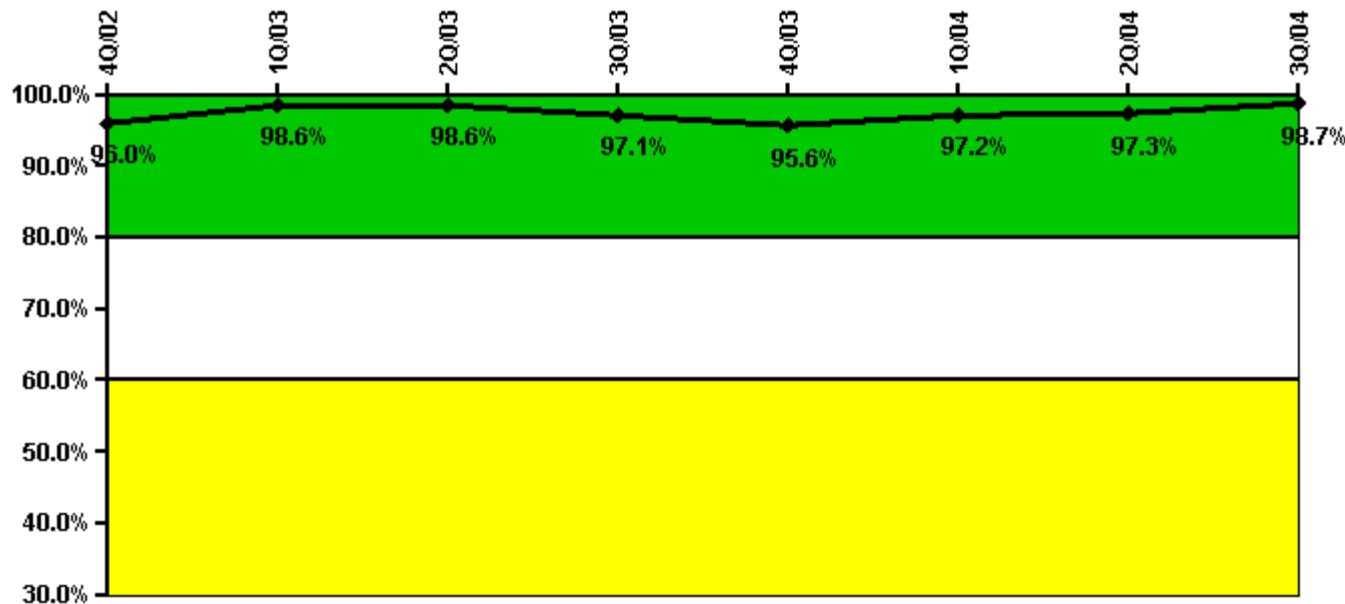
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful opportunities	16.0	25.0	16.0	32.0	0	58.0	26.0	32.0
Total opportunities	17.0	26.0	18.0	35.0	0	61.0	28.0	36.0
Indicator value	93.7%	94.1%	96.2%	94.7%	93.8%	93.3%	92.7%	92.8%

Licensee Comments: none

ERO Drill Participation



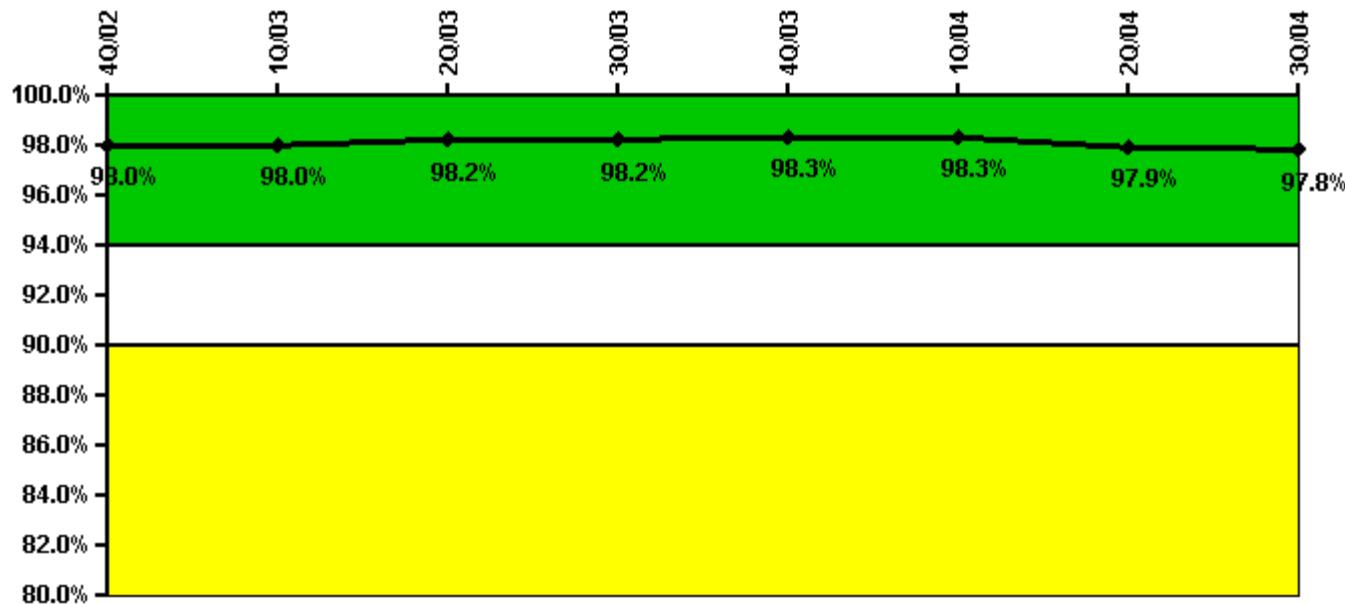
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Participating Key personnel	72.0	68.0	68.0	67.0	65.0	69.0	73.0	75.0
Total Key personnel	75.0	69.0	69.0	69.0	68.0	71.0	75.0	76.0
Indicator value	96.0%	98.6%	98.6%	97.1%	95.6%	97.2%	97.3%	98.7%

Licensee Comments: none

Alert & Notification System

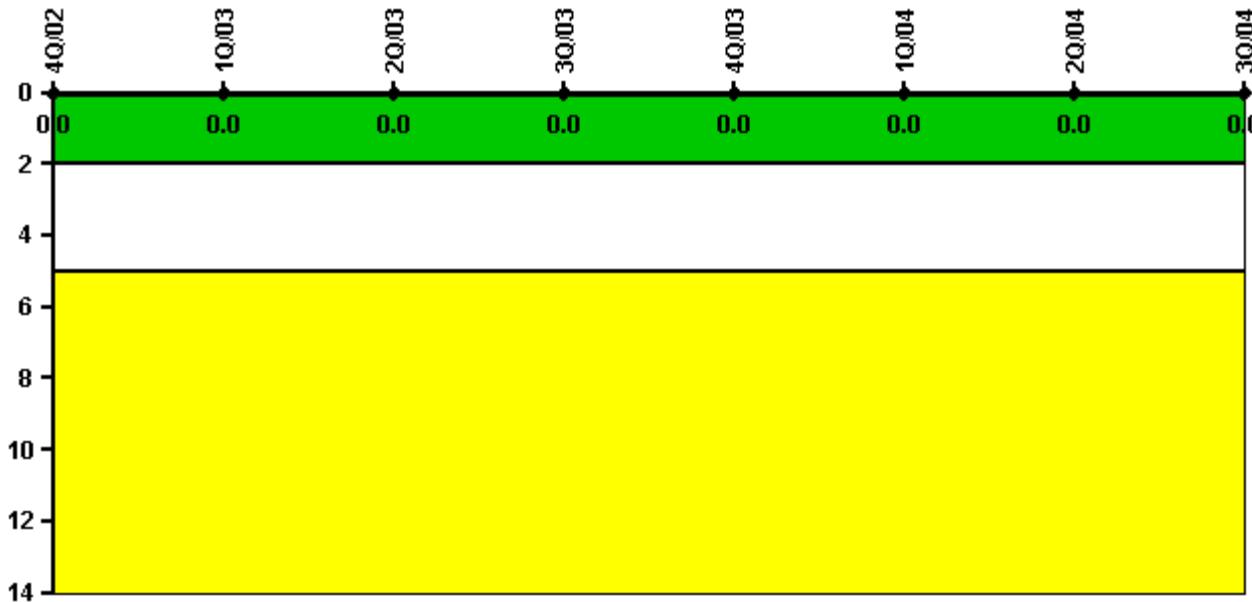


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful siren-tests	1670	1674	1670	1645	1677	1674	1644	1638
Total sirens-tests	1695	1696	1694	1696	1696	1696	1696	1691
Indicator value	98.0%	98.0%	98.2%	98.2%	98.3%	98.3%	97.9%	97.8%

Licensee Comments: none

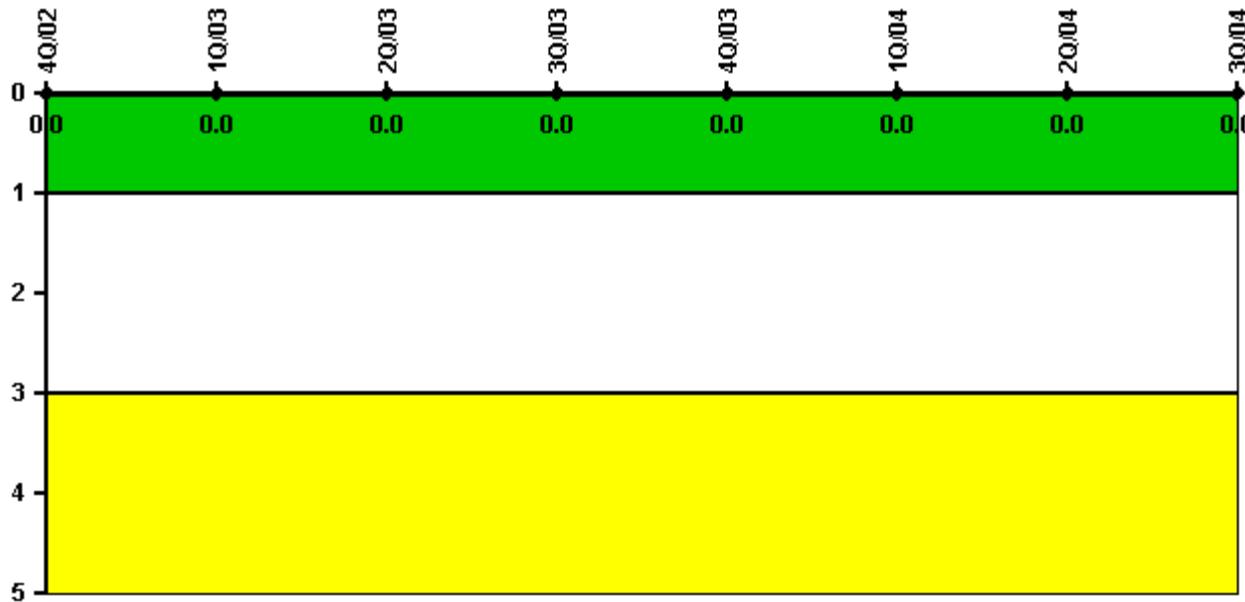
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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							

Licensee Comments: none

[Physical Protection](#) information not publicly available.

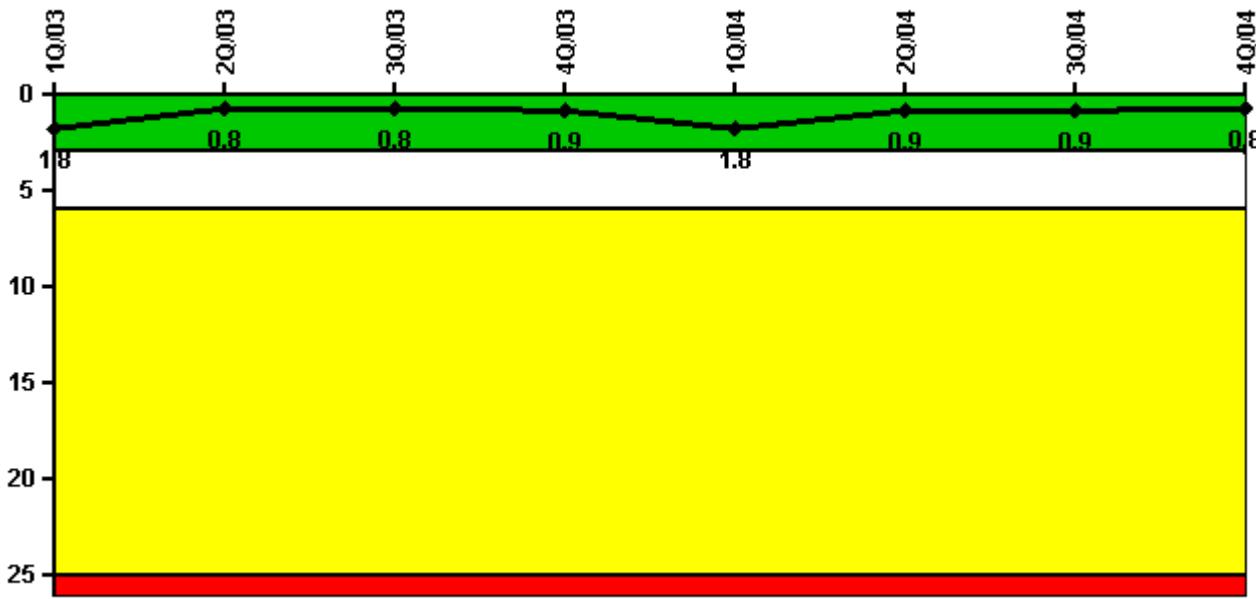


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: October 25, 2004

Summer**4Q/2004 Performance Indicators**

Licensee's General Comments: Fault exposure hours for "A" RHR pump are T/2 with 155.8 hours for the 4th Quarter. The apparent cause of this event was an improper as-left setting of the close latch release rod following replacement of the breaker's control device during on-site maintenance in March of 2003. This resulted in increased friction. Couple this with wearing away of grease resulted in increased wear and eventual failure.

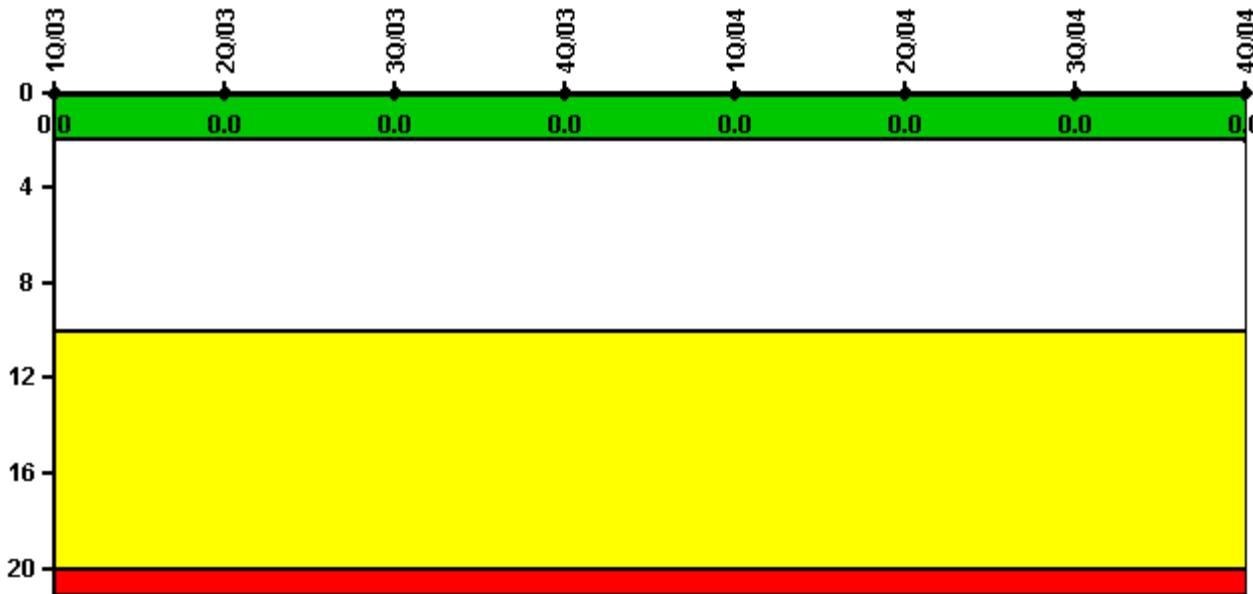
Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned scrams	0	1.0	0	0	1.0	0	0	0
Critical hours	2160.0	2114.7	2208.0	1172.5	2151.4	1937.5	2208.0	2209.0
Indicator value	1.8	0.8	0.8	0.9	1.8	0.9	0.9	0.8

Licensee Comments: none

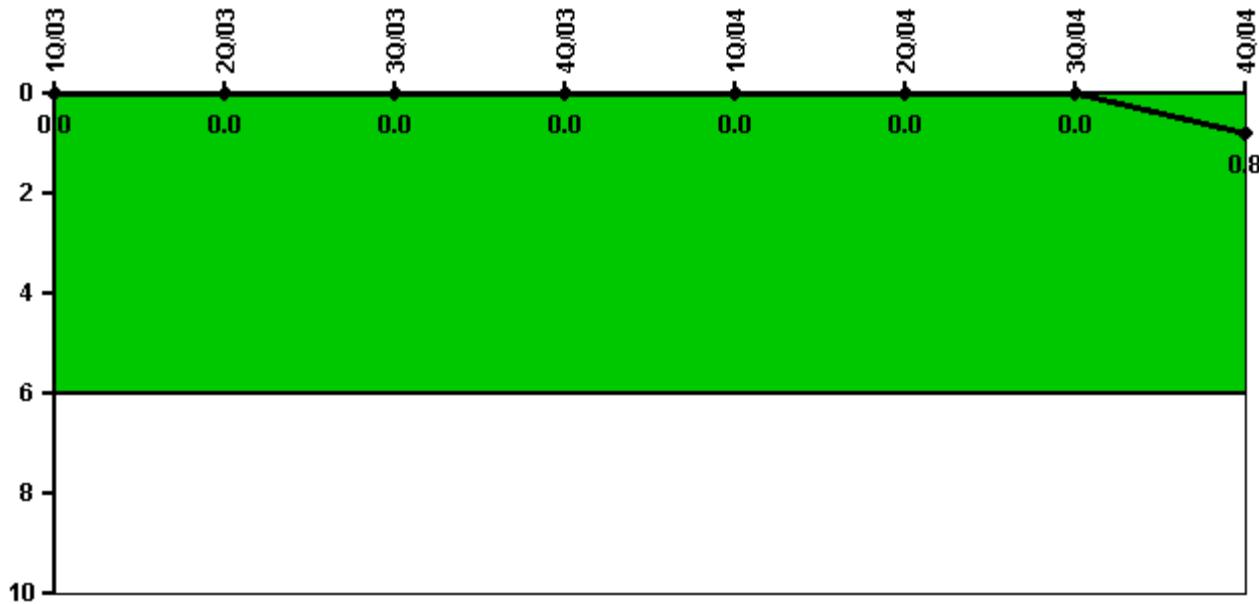
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

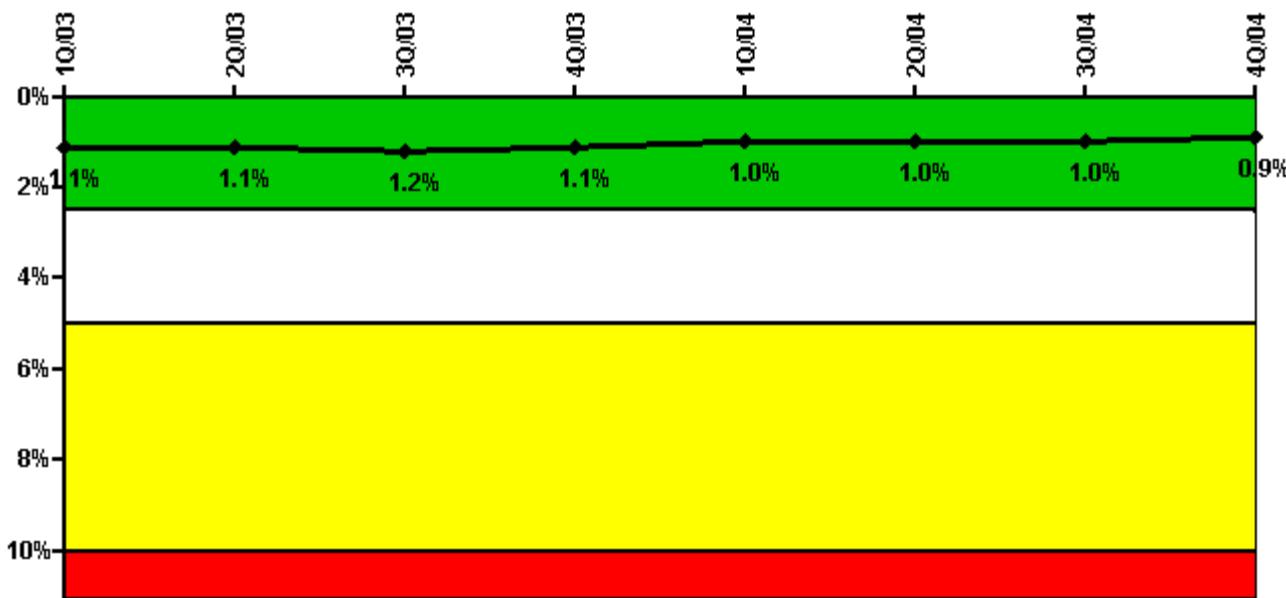
Thresholds: White > 6.0

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	0	0	1.0
Critical hours	2160.0	2114.7	2208.0	1172.5	2151.4	1937.5	2208.0	2209.0
Indicator value	0	0.8						

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



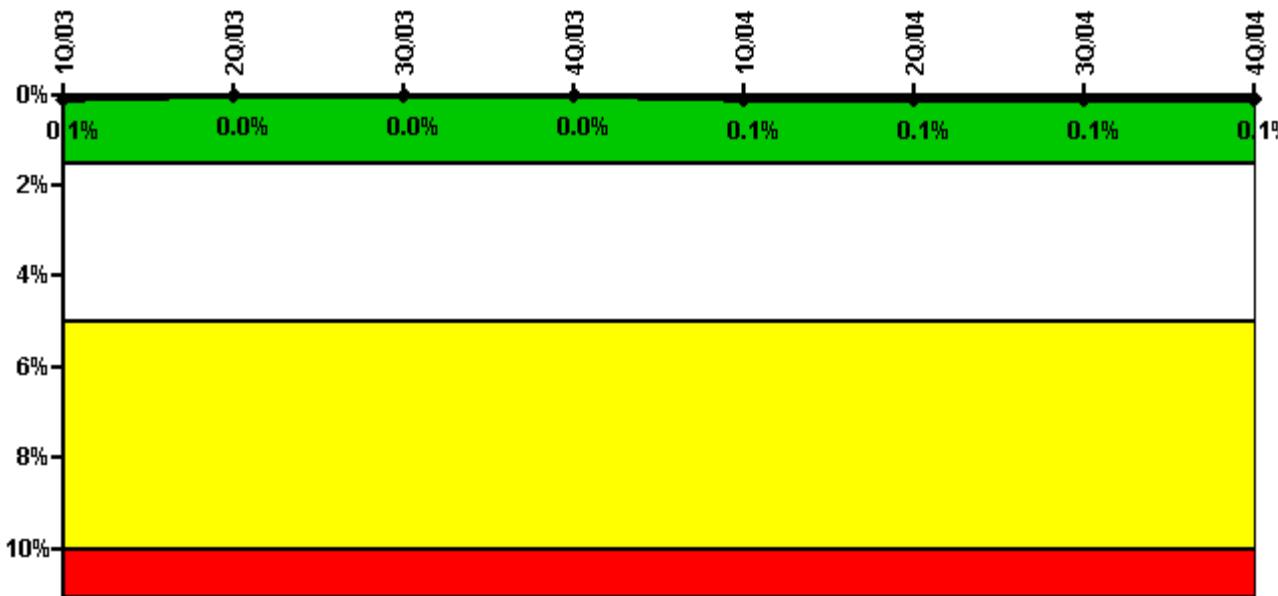
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	25.20	14.20	14.60	0.20	7.40	13.90	12.40	13.80
Unplanned unavailable hours	0	0	1.40	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	12.30	38.80	24.10	0.20	12.90	13.80	7.20	10.50
Unplanned unavailable hours	61.70	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	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	1.1%	1.1%	1.2%	1.1%	1.0%	1.0%	1.0%	0.9%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



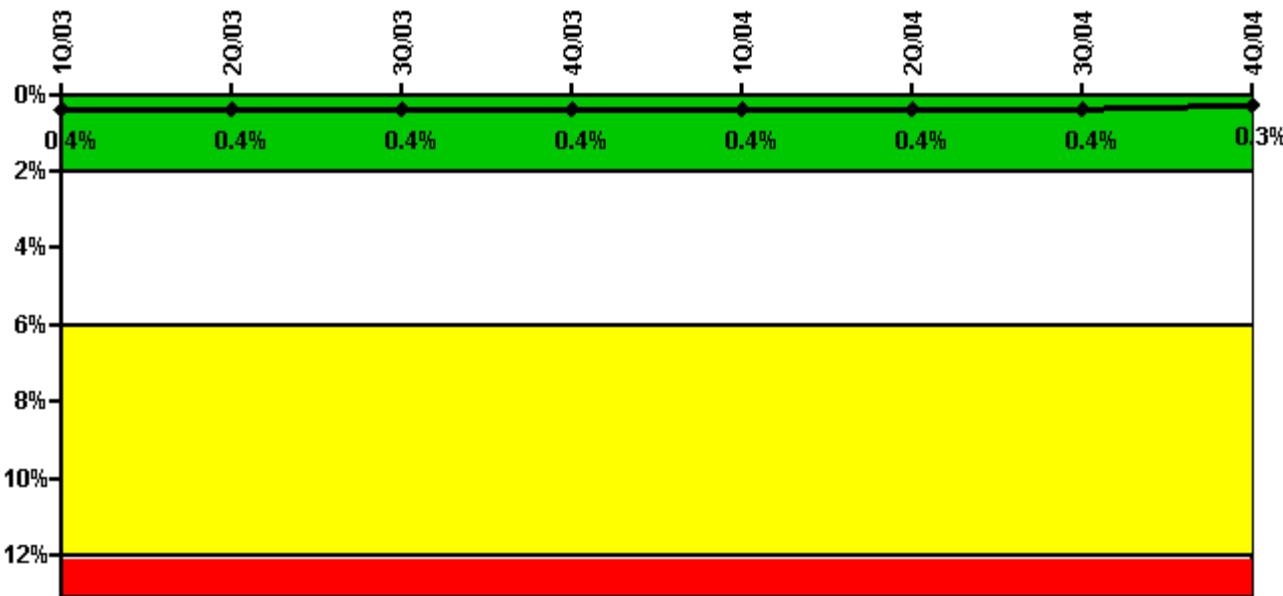
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	0.25	0.25	0.25	0	13.05	0.25	0.25	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2114.70	2208.00	1172.50	2151.70	1937.50	2208.00	2209.00
Train 2								
Planned unavailable hours	0.25	0.25	0.50	0	0.25	0.50	0.50	0.50
Unplanned unavailable hours	0	0	9.60	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2114.70	2208.00	1172.50	2151.70	1937.50	2208.00	2209.00
Indicator value	0.1%	0%	0%	0%	0.1%	0.1%	0.1%	0.1%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



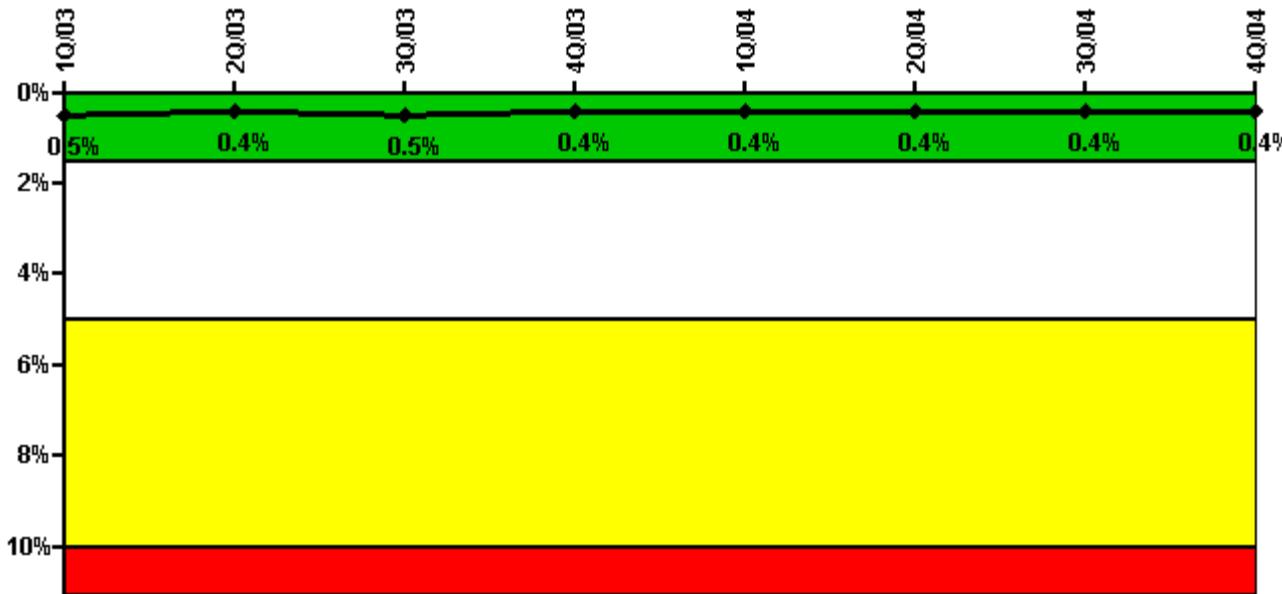
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	10.80	0	10.40	0	6.80	0	10.40	14.80
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2114.70	2208.00	1172.50	2151.70	1937.50	2208.00	2209.00
Train 2								
Planned unavailable hours	10.20	0	16.10	0	8.80	16.00	0	7.70
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	2114.70	2208.00	1172.50	2151.70	1937.50	2208.00	2209.00
Train 3								
Planned unavailable hours	0	10.20	0	15.70	3.20	0	5.20	7.90
Unplanned unavailable hours	0	0	0	0	0	0	3.00	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	2160.00	2114.70	2208.00	1172.50	2151.70	1937.50	2208.00	2209.00
Indicator value	0.4%	0.3%						

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

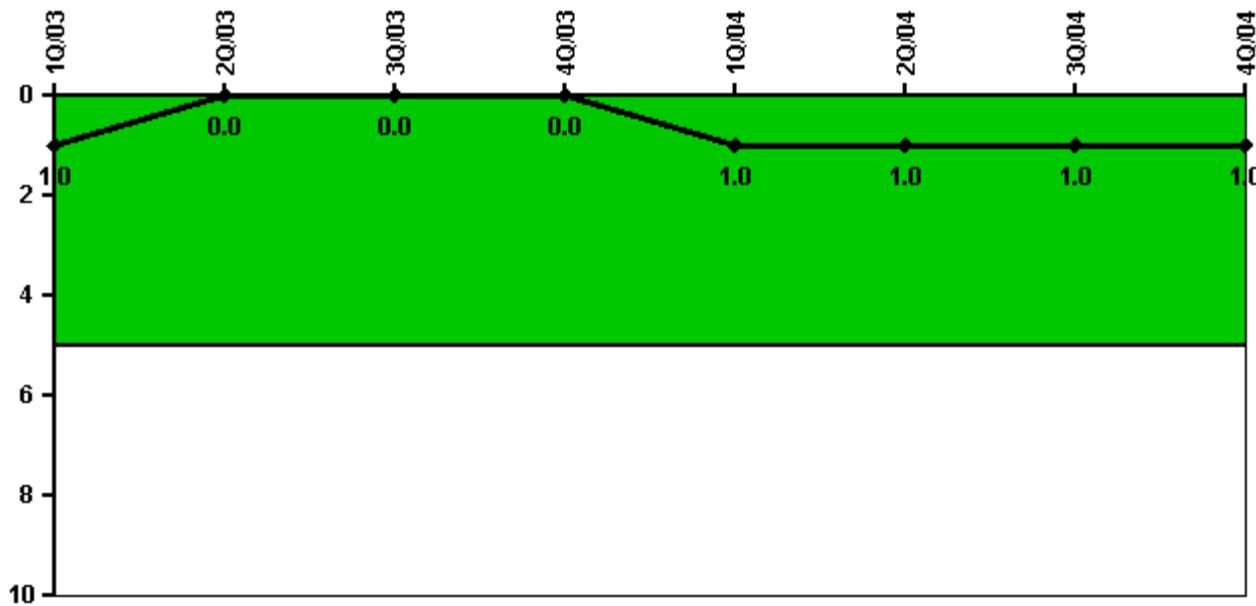


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	15.20	0	10.90	0	14.80	0	10.60	7.00
Unplanned unavailable hours	0	0	0	0	0	0	0	8.50
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	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0	0	11.80	0	8.90	7.30	10.00	10.80
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	0.5%	0.4%	0.5%	0.4%	0.4%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Functional Failures (PWR)

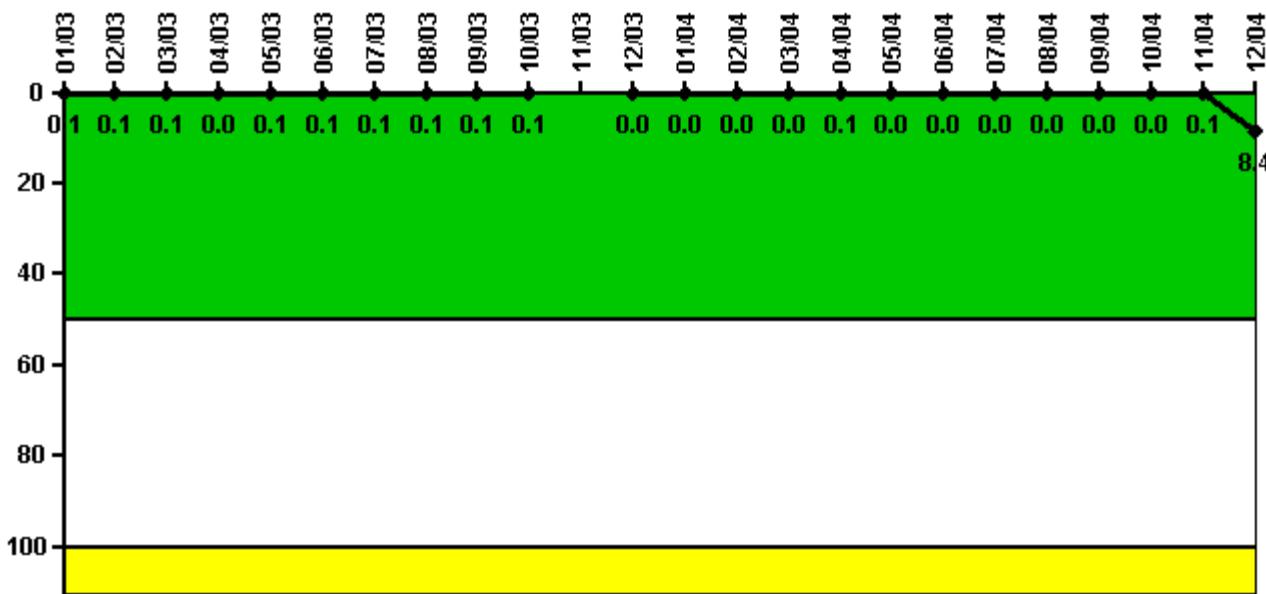
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

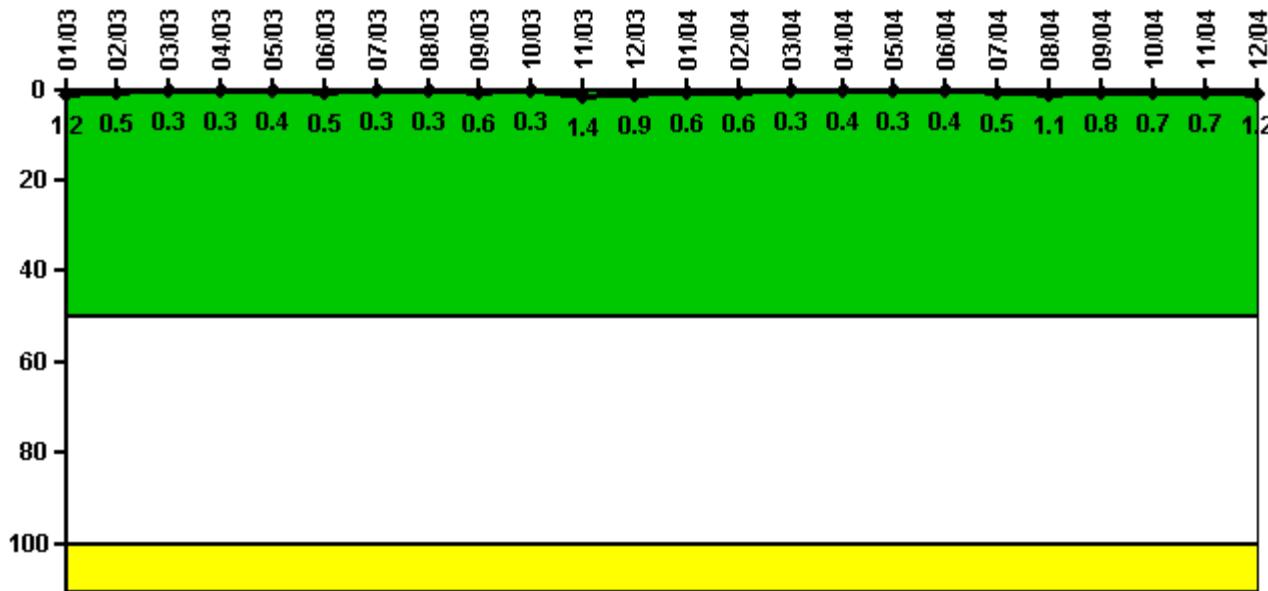
Notes

Reactor Coolant System Activity	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	0.000291	0.000296	0.000317	0.000302	0.001080	0.000523	0.000615	0.000538	0.000642	0.000807	N/A	0.000178
Technical specification limit	0.4	0.4	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	N/A	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	0.000164	0.000221	0.000195	0.000757	0.000180	0.000233	0.000262	0.000246	0.000300	0.000341	0.000564	0.084100
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0.1	0	0	0	0	0	0	0.1	8.4

Licensee Comments: none

Reactor Coolant System Leakage



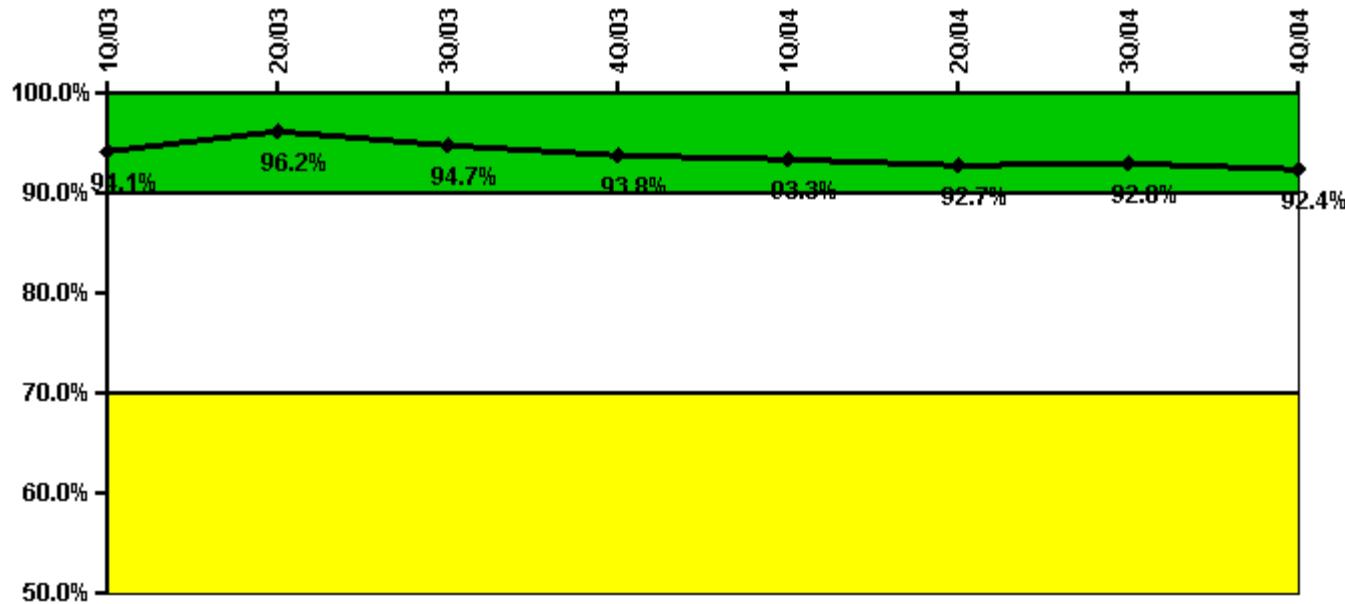
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum leakage	0.120	0.050	0.030	0.030	0.040	0.050	0.030	0.030	0.060	0.030	0.140	0.090
Indicator value	1.2	0.5	0.3	0.3	0.4	0.5	0.3	0.3	0.6	0.3	1.4	0.9
Reactor Coolant System Leakage	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum leakage	0.060	0.060	0.030	0.040	0.030	0.040	0.050	0.110	0.080	0.070	0.070	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.6	0.6	0.3	0.4	0.3	0.4	0.5	1.1	0.8	0.7	0.7	1.2

Licensee Comments: none

Drill/Exercise Performance



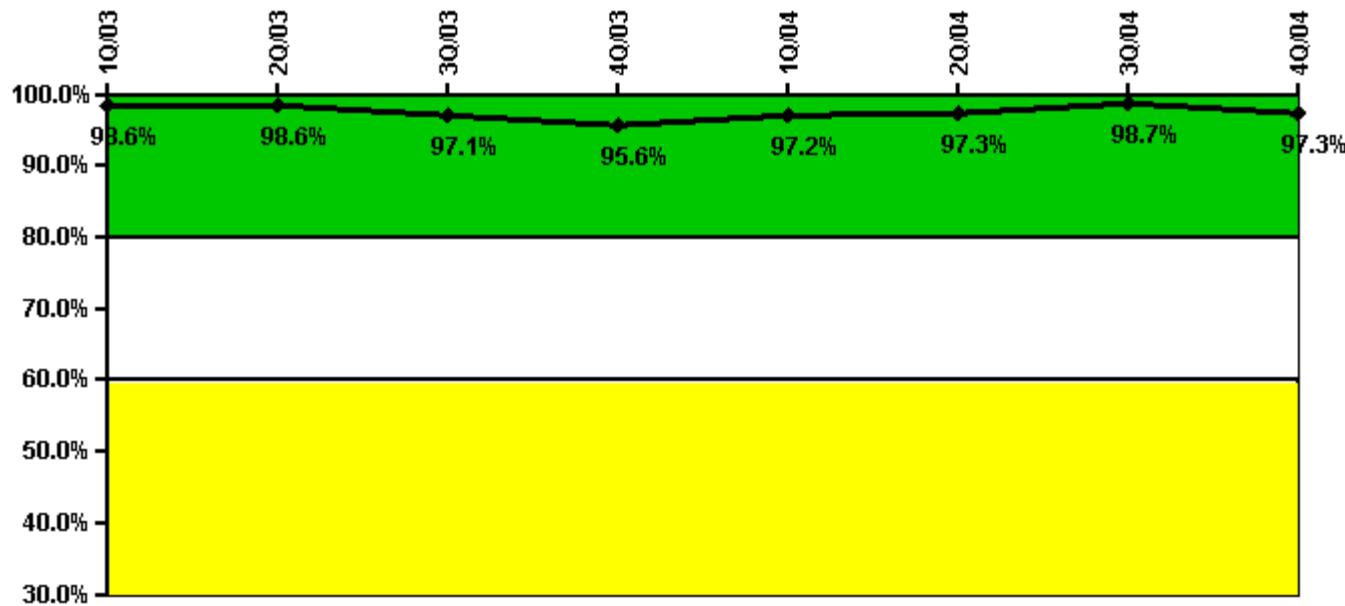
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful opportunities	25.0	16.0	32.0	0	58.0	26.0	32.0	6.0
Total opportunities	26.0	18.0	35.0	0	61.0	28.0	36.0	7.0
Indicator value	94.1%	96.2%	94.7%	93.8%	93.3%	92.7%	92.8%	92.4%

Licensee Comments: none

ERO Drill Participation



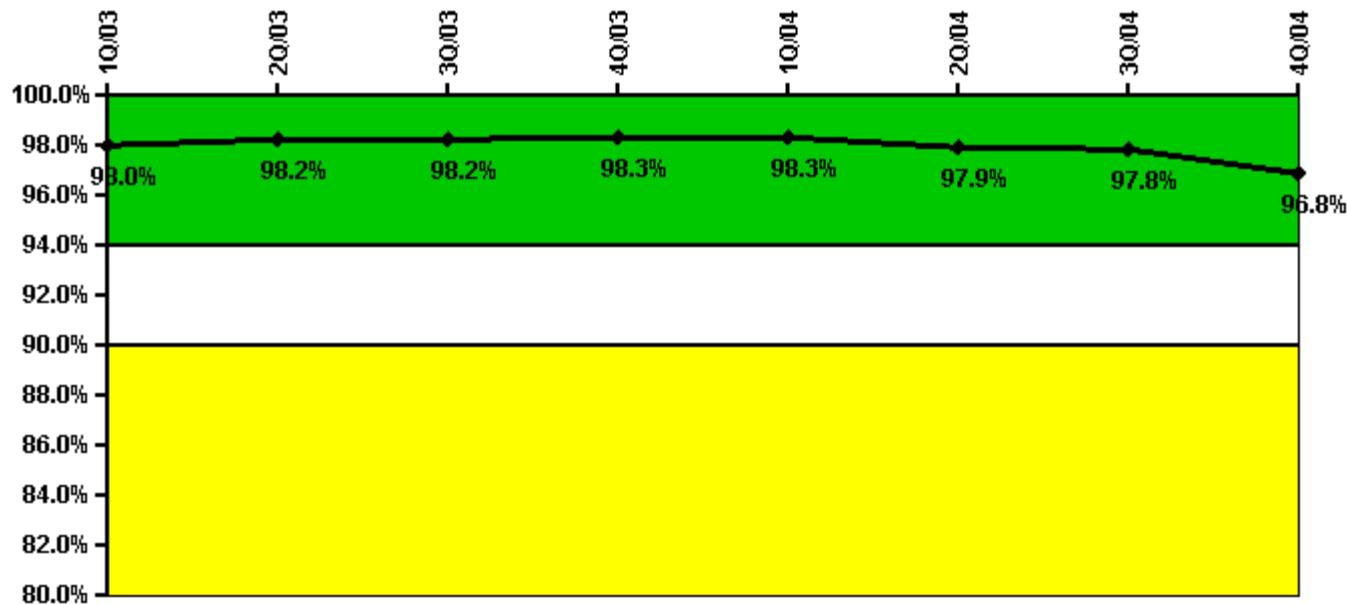
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Participating Key personnel	68.0	68.0	67.0	65.0	69.0	73.0	75.0	71.0
Total Key personnel	69.0	69.0	69.0	68.0	71.0	75.0	76.0	73.0
Indicator value	98.6%	98.6%	97.1%	95.6%	97.2%	97.3%	98.7%	97.3%

Licensee Comments: none

Alert & Notification System

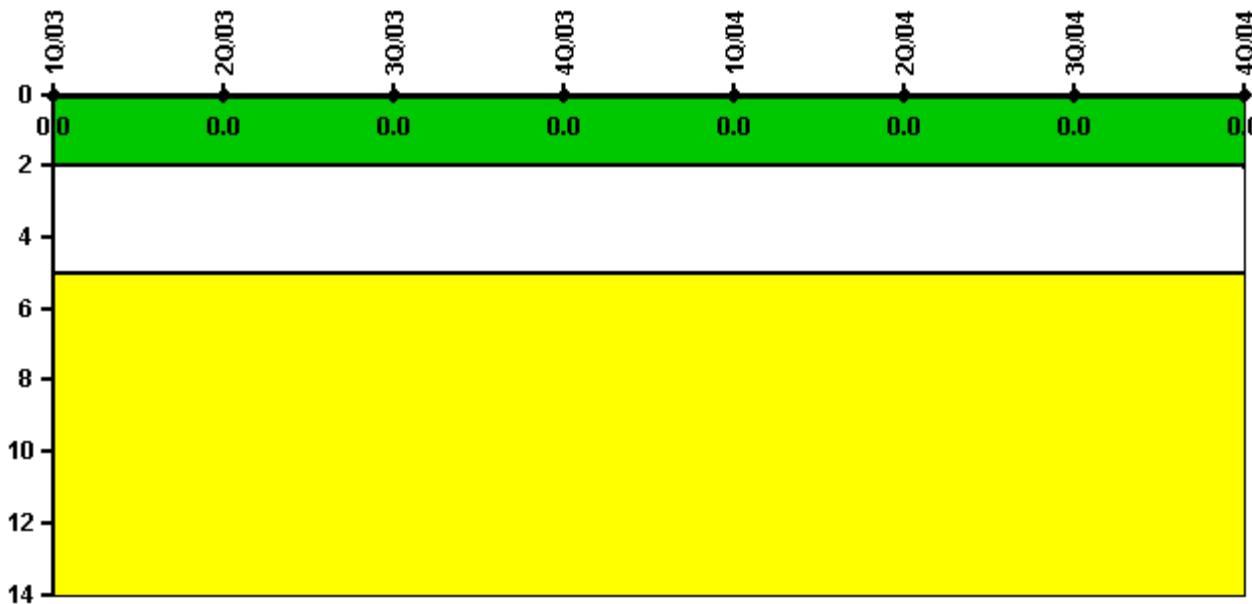


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful siren-tests	1674	1670	1645	1677	1674	1644	1638	1480
Total sirens-tests	1696	1694	1696	1696	1696	1696	1691	1566
Indicator value	98.0%	98.2%	98.2%	98.3%	98.3%	97.9%	97.8%	96.8%

Licensee Comments: none

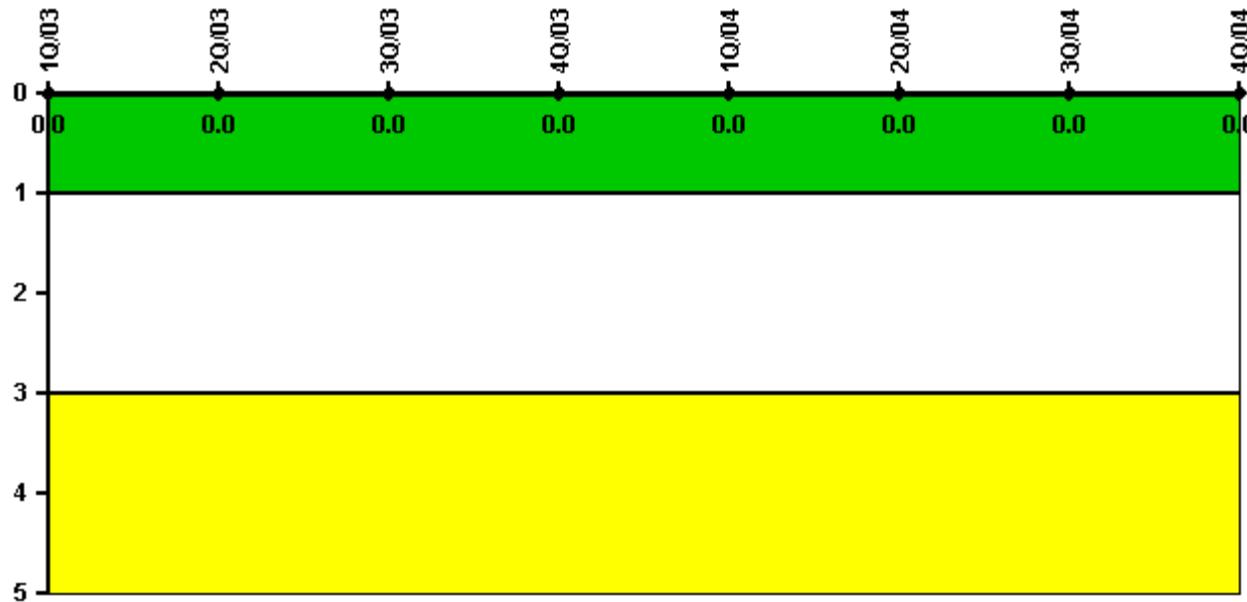
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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.

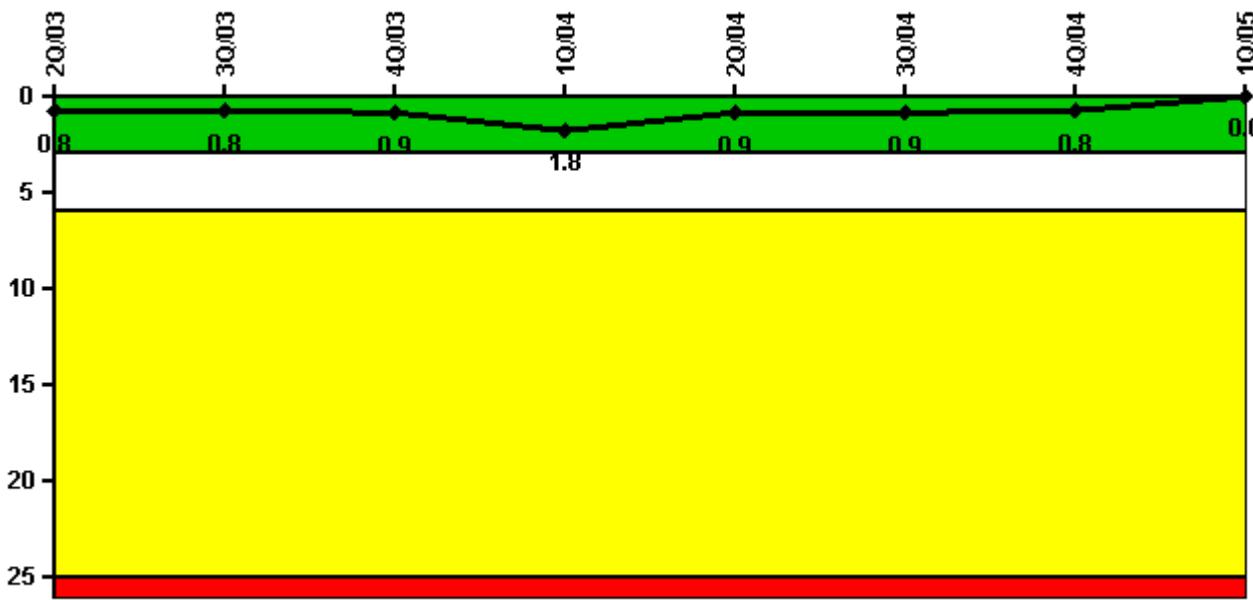


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 9, 2005

Summer**1Q/2005 Performance Indicators**

Licensee's General Comments: none

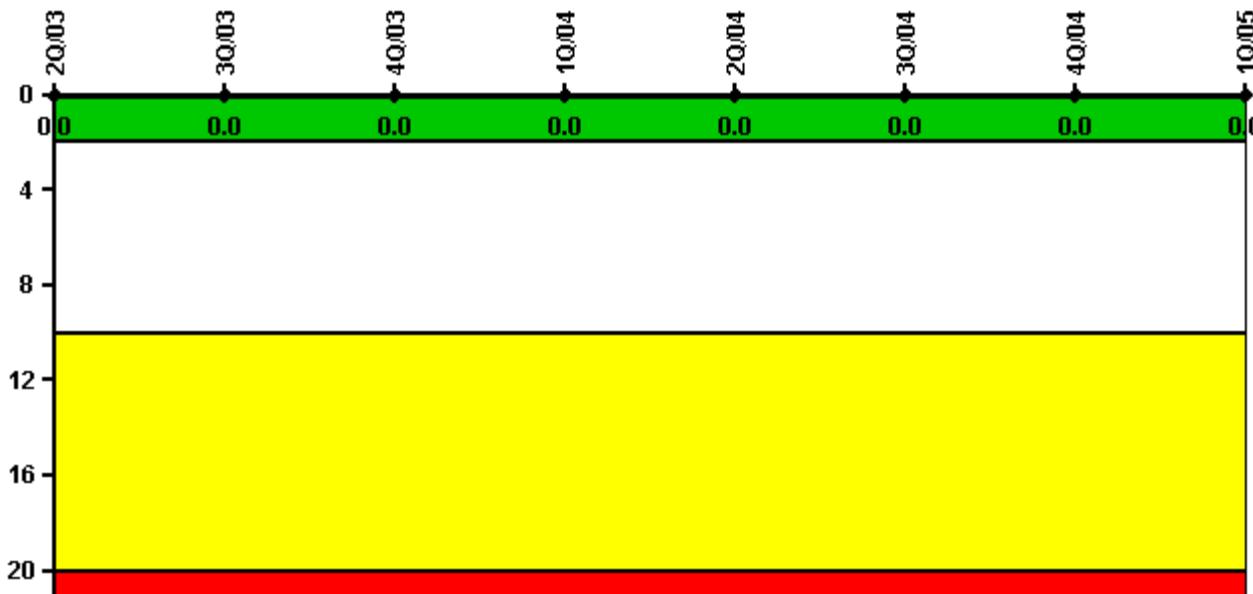
Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Unplanned scrams	1.0	0	0	1.0	0	0	0	0
Critical hours	2114.7	2208.0	1172.5	2151.4	1937.5	2208.0	2209.0	2160.0
Indicator value	0.8	0.8	0.9	1.8	0.9	0.9	0.8	0

Licensee Comments: none

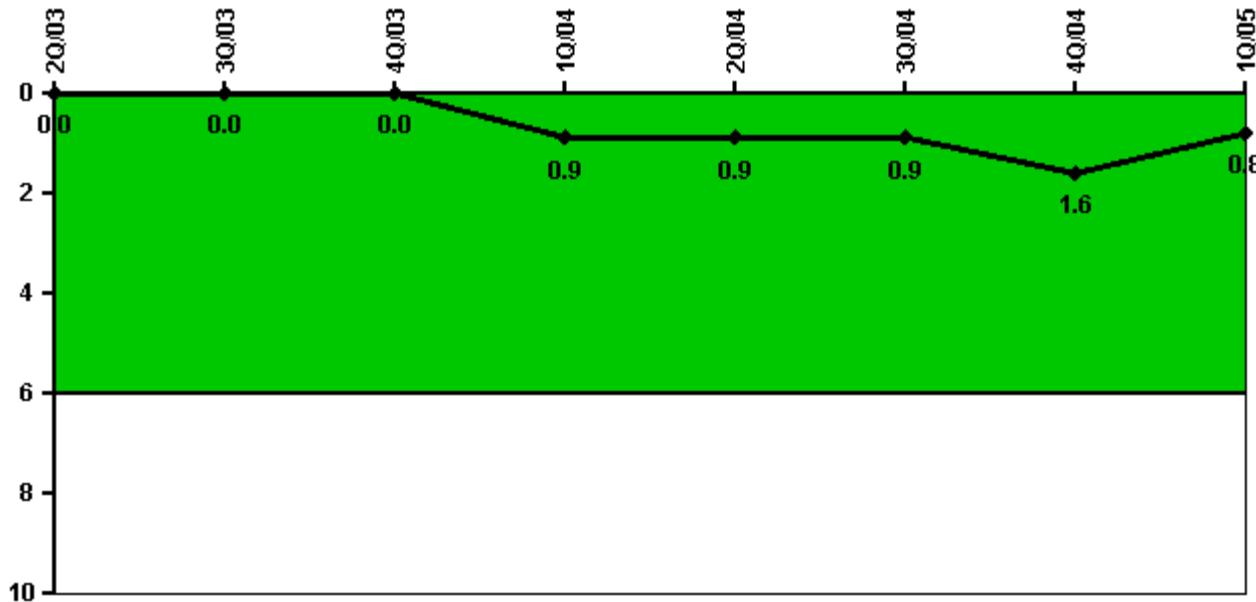
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/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

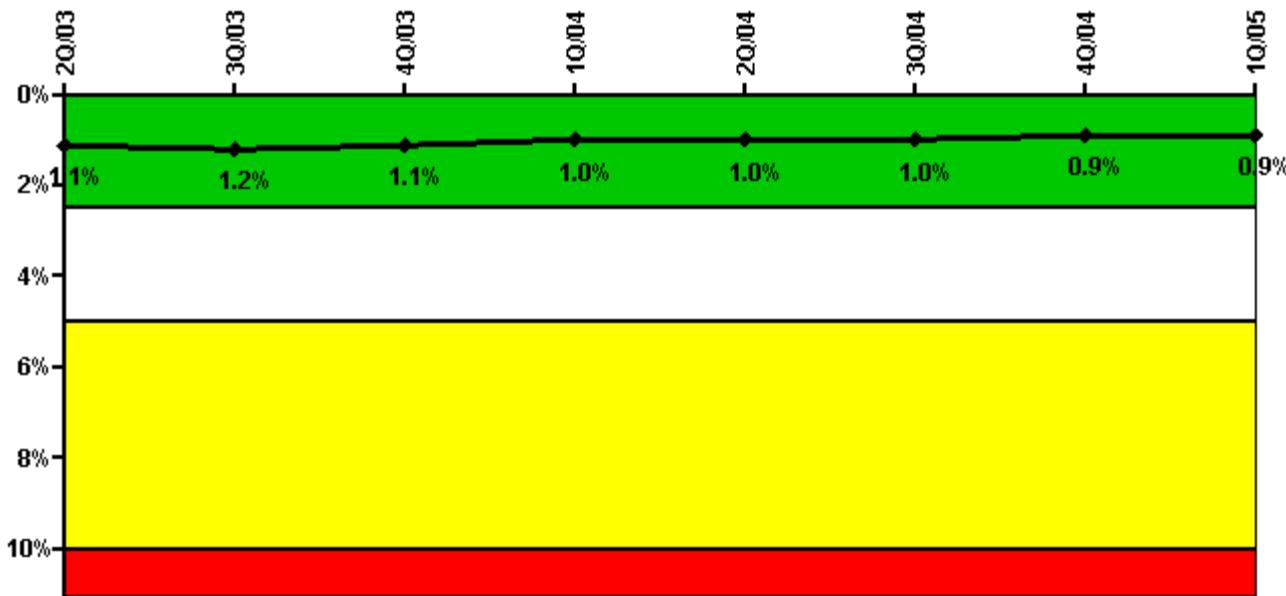
Thresholds: White > 6.0

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	1.0	0	0	1.0	0
Critical hours	2114.7	2208.0	1172.5	2151.4	1937.5	2208.0	2209.0	2160.0
Indicator value	0	0	0	0.9	0.9	0.9	1.6	0.8

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



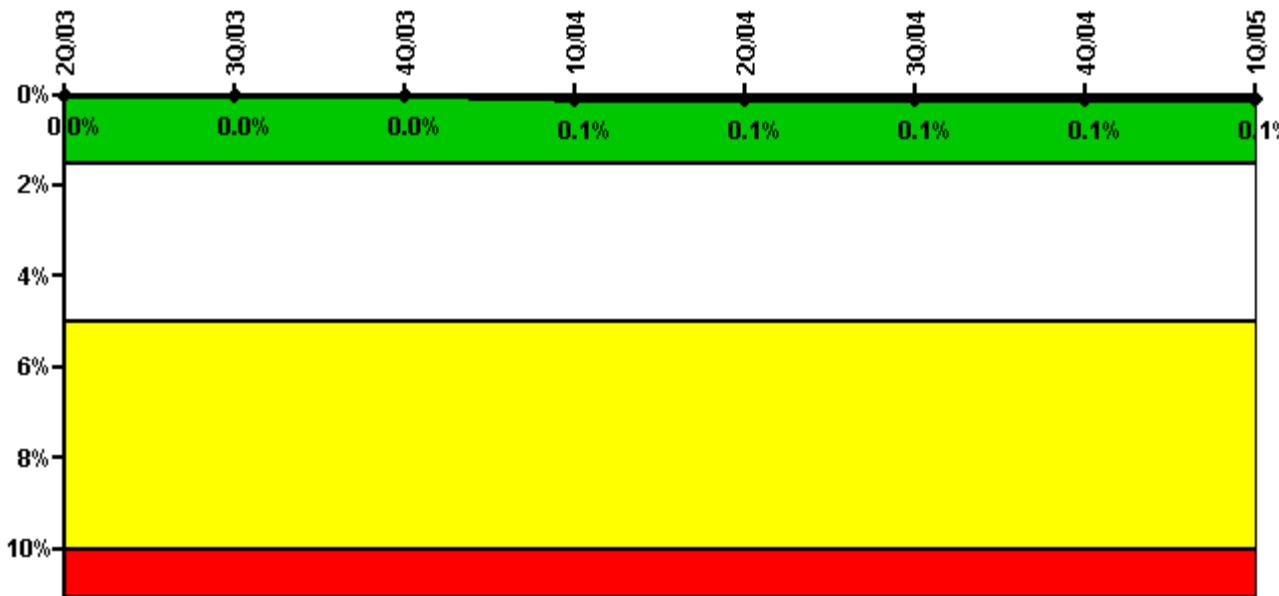
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	14.20	14.60	0.20	7.40	13.90	12.40	13.80	13.40
Unplanned unavailable hours	0	1.40	0	0	0	0	0	5.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	38.80	24.10	0.20	12.90	13.80	7.20	10.50	13.40
Unplanned unavailable hours	0	0	0	0	0	0	0	8.90
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	1.1%	1.2%	1.1%	1.0%	1.0%	1.0%	0.9%	0.9%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



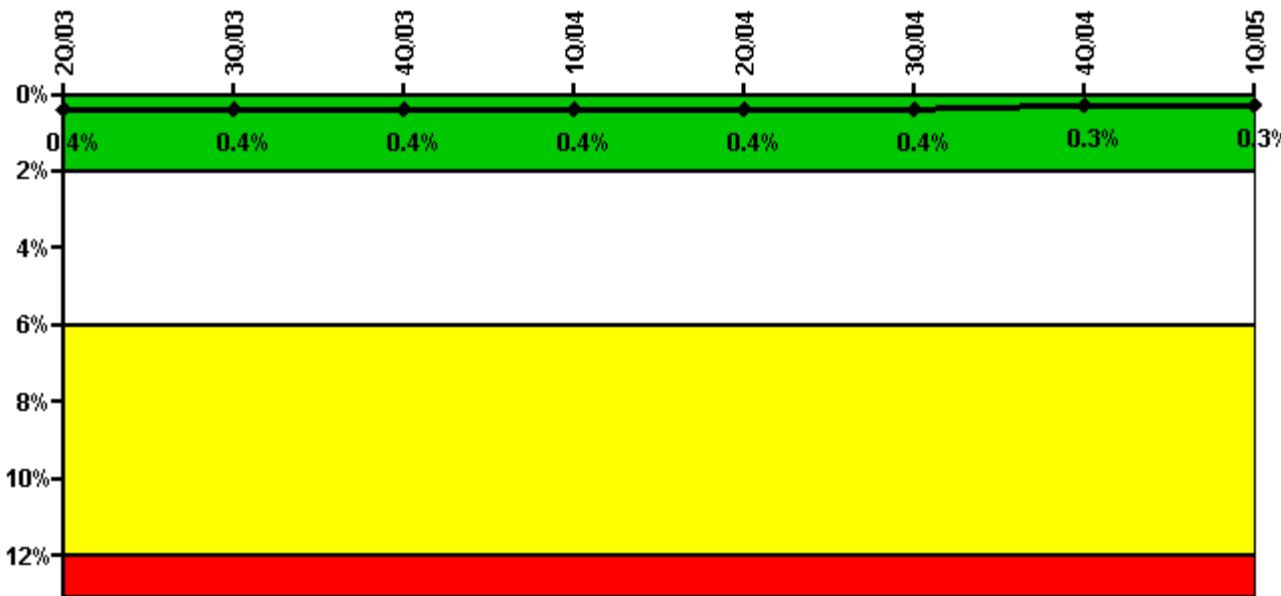
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	0.25	0.25	0	13.05	0.25	0.25	0.25	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2114.70	2208.00	1172.50	2151.70	1937.50	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0.25	0.50	0	0.25	0.50	0.50	0.50	0.25
Unplanned unavailable hours	0	9.60	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2114.70	2208.00	1172.50	2151.70	1937.50	2208.00	2209.00	2160.00
Indicator value	0%	0%	0%	0.1%	0.1%	0.1%	0.1%	0.1%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



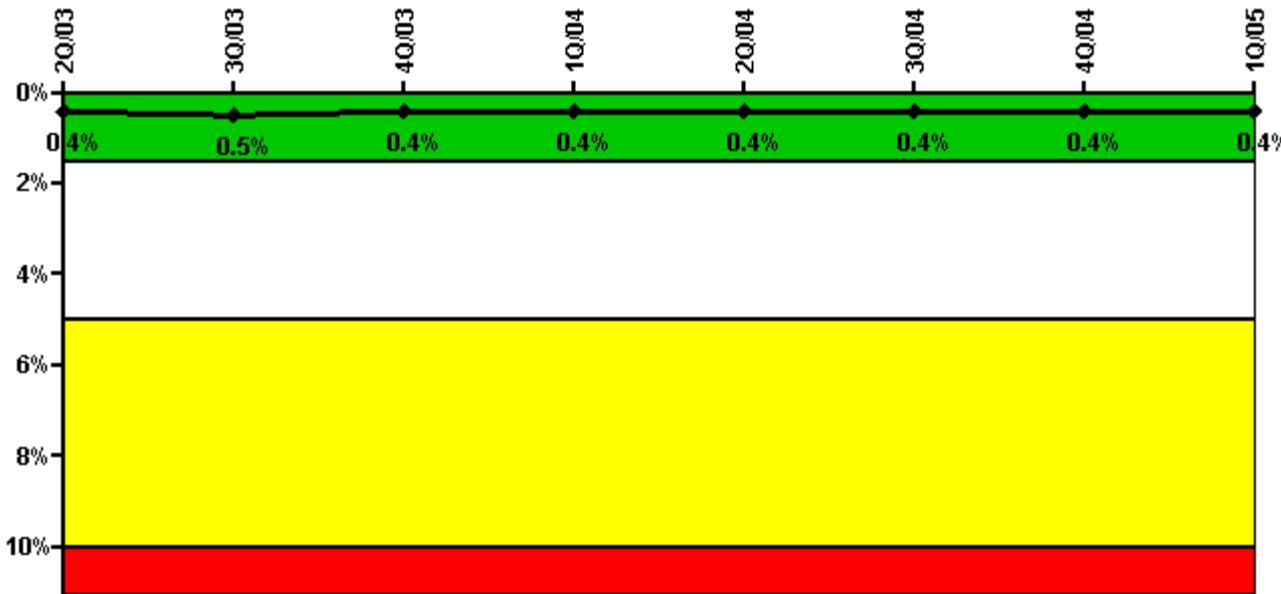
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	0	10.40	0	6.80	0	10.40	14.80	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2114.70	2208.00	1172.50	2151.70	1937.50	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0	16.10	0	8.80	16.00	0	7.70	0.90
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	2114.70	2208.00	1172.50	2151.70	1937.50	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	10.20	0	15.70	3.20	0	5.20	7.90	0
Unplanned unavailable hours	0	0	0	0	0	3.00	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	2114.70	2208.00	1172.50	2151.70	1937.50	2208.00	2209.00	2160.00
Indicator value	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

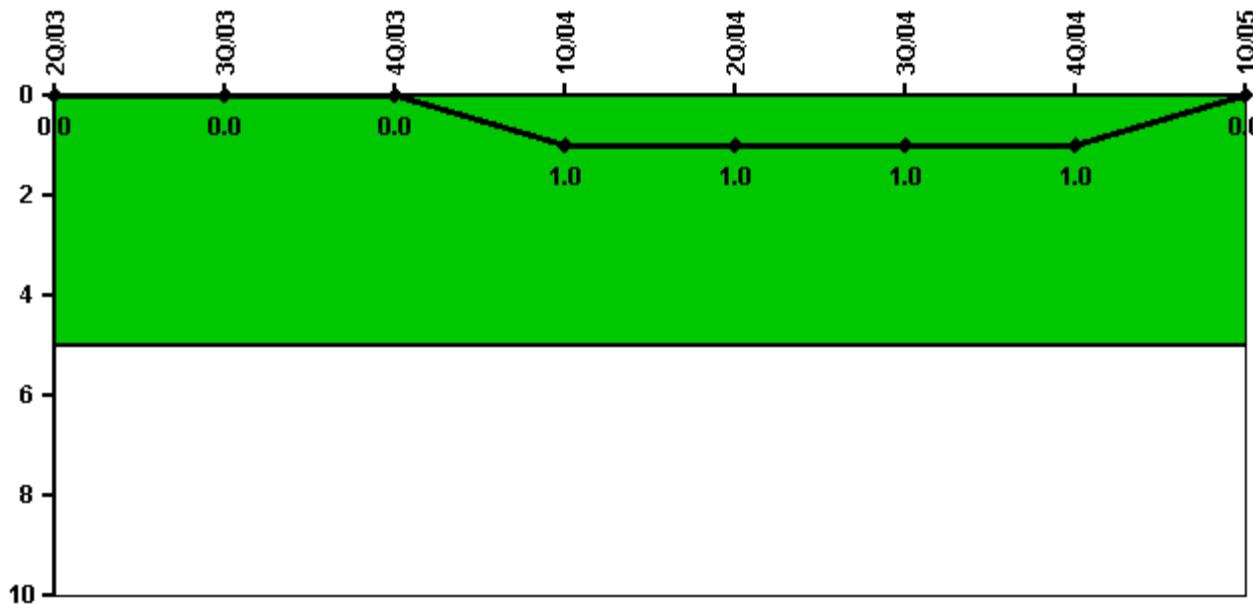


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	0	10.90	0	14.80	0	10.60	7.00	10.70
Unplanned unavailable hours	0	0	0	0	0	0	8.50	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	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0	11.80	0	8.90	7.30	10.00	10.80	6.30
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.4%	0.5%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Functional Failures (PWR)

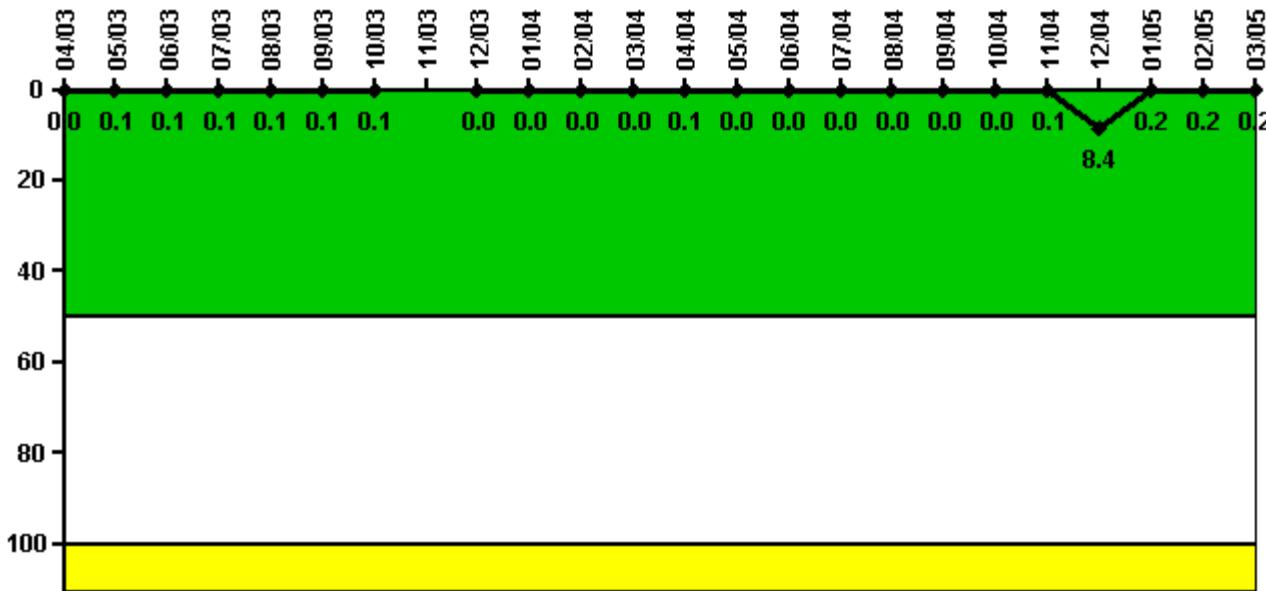
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

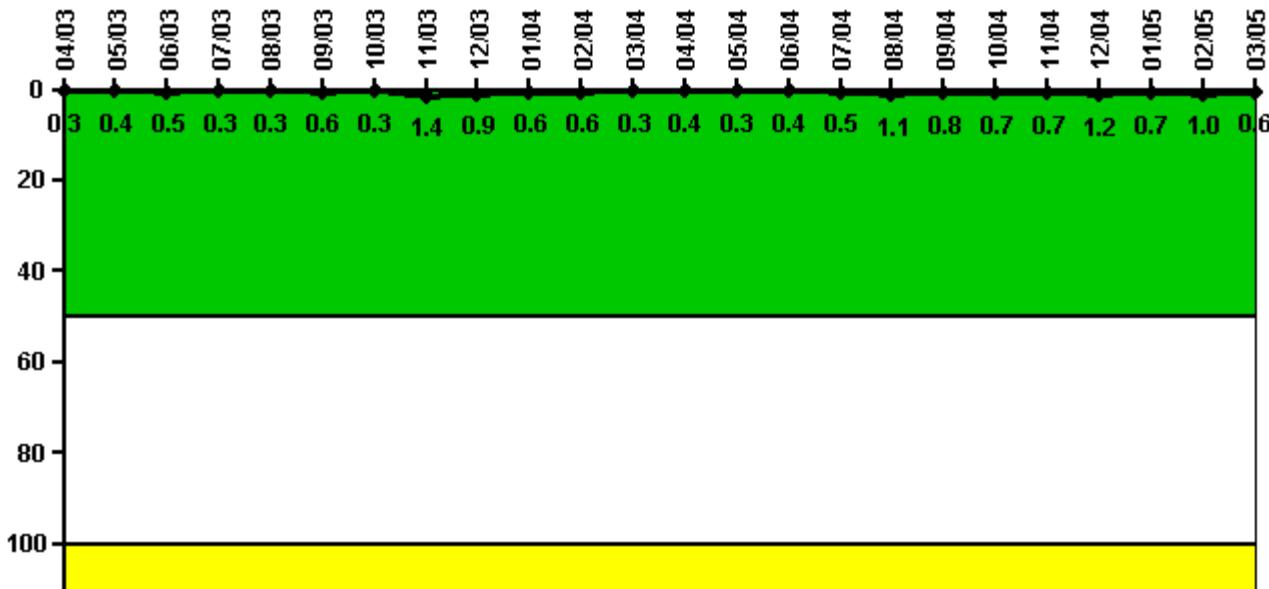
Notes

Reactor Coolant System Activity	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	0.000302	0.001080	0.000523	0.000615	0.000538	0.000642	0.000807	N/A	0.000178	0.000164	0.000221	0.000195
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0.1	0.1	0.1	0.1	0.1	0.1	N/A	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	0.000757	0.000180	0.000233	0.000262	0.000246	0.000300	0.000341	0.000564	0.084100	0.002010	0.002160	0.002290
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0	0	0	0	0	0	0.1	8.4	0.2	0.2	0.2

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

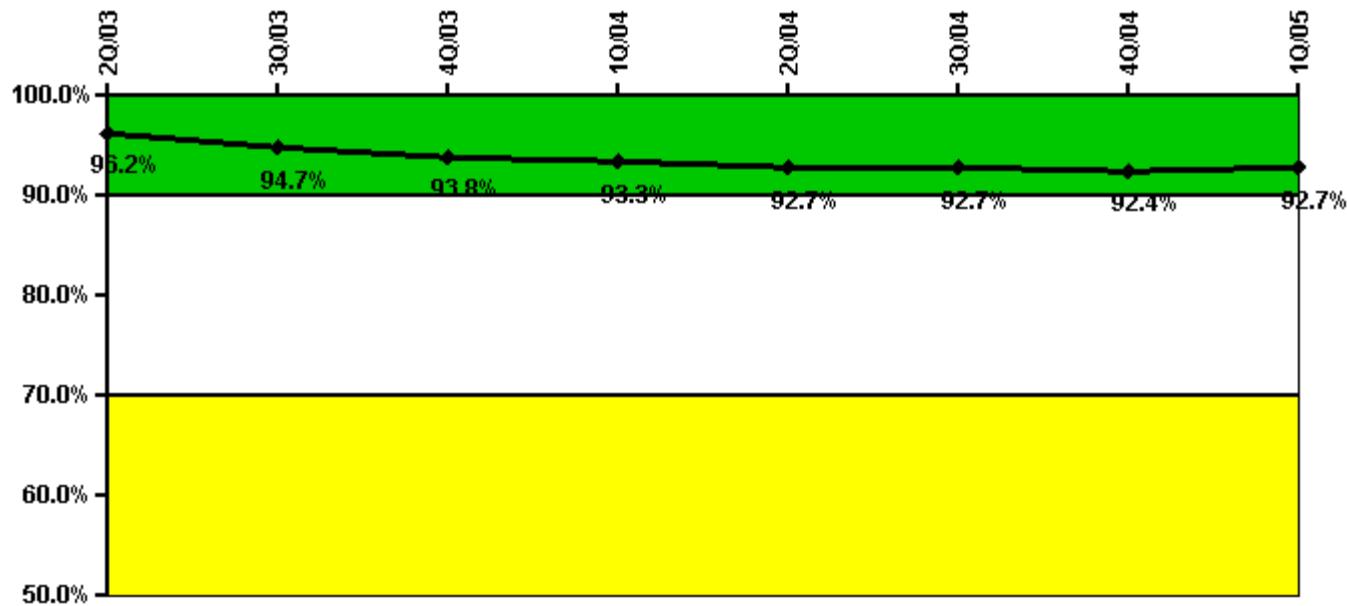
Notes

Reactor Coolant System Leakage	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04
Maximum leakage	0.030	0.040	0.050	0.030	0.030	0.060	0.030	0.140	0.090	0.060	0.060	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.4	0.5	0.3	0.3	0.6	0.3	1.4	0.9	0.6	0.6	0.3

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	0.040	0.030	0.040	0.050	0.110	0.080	0.070	0.070	0.120	0.070	0.100	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.4	0.3	0.4	0.5	1.1	0.8	0.7	0.7	1.2	0.7	1.0	0.6

Licensee Comments: none

Drill/Exercise Performance



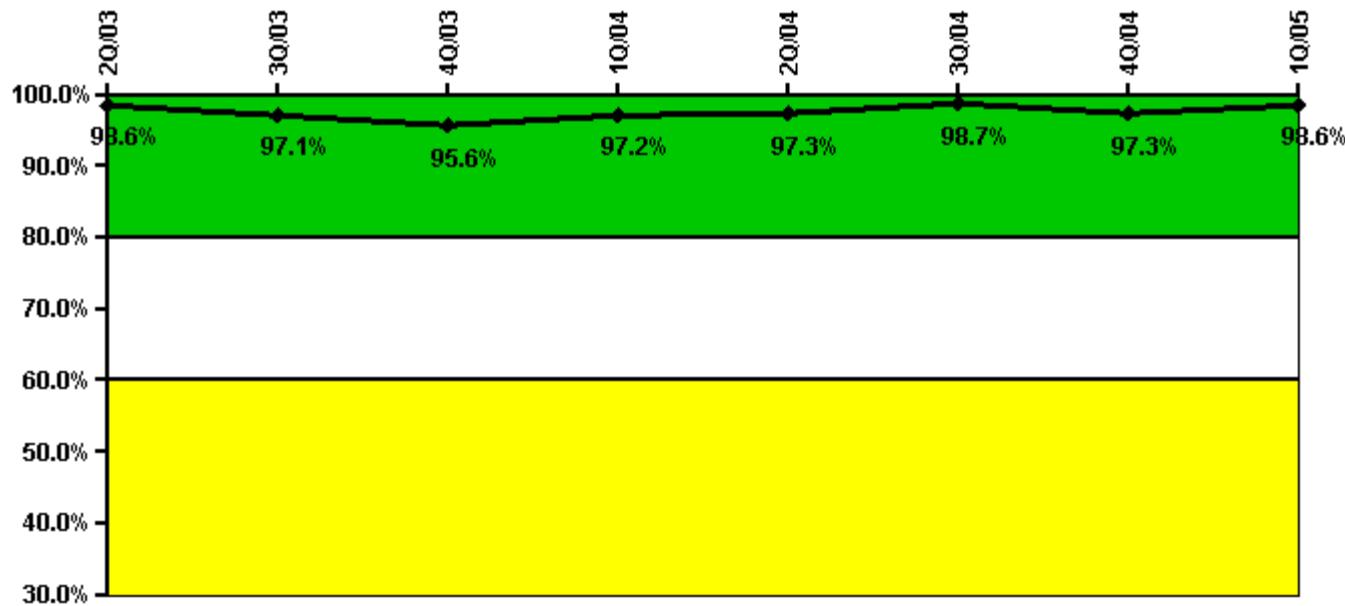
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful opportunities	16.0	32.0	0	58.0	26.0	31.0	6.0	48.0
Total opportunities	18.0	35.0	0	61.0	28.0	35.0	7.0	50.0
Indicator value	96.2%	94.7%	93.8%	93.3%	92.7%	92.7%	92.4%	92.7%

Licensee Comments: none

ERO Drill Participation



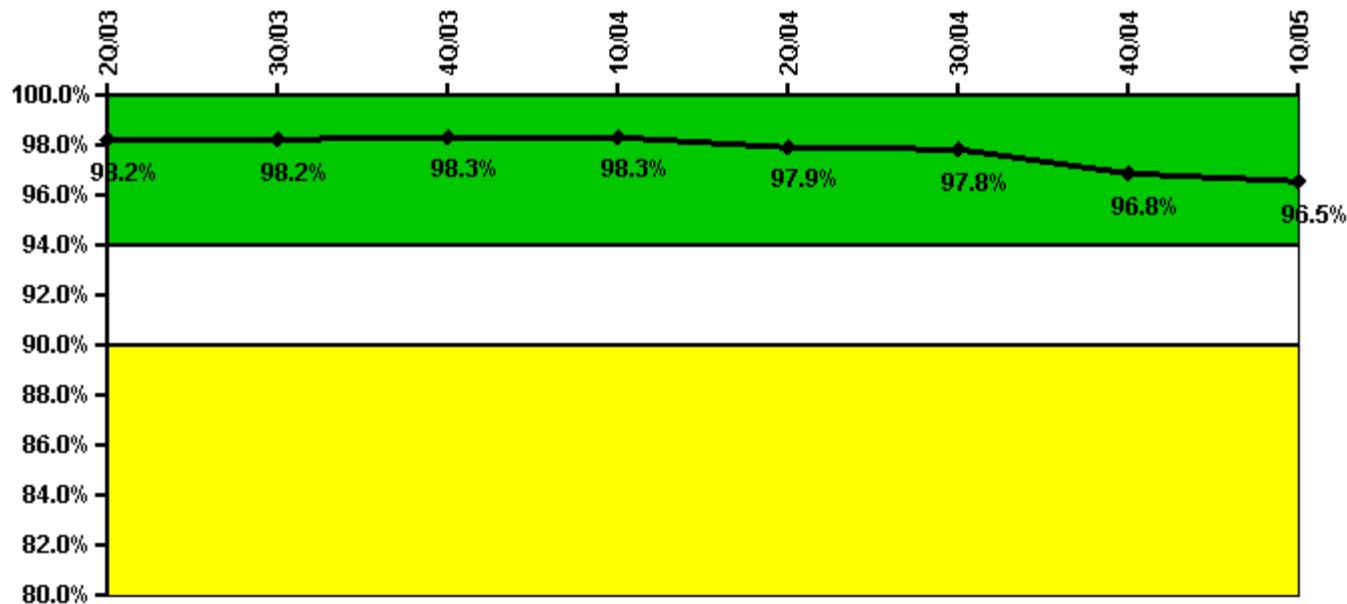
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Participating Key personnel	68.0	67.0	65.0	69.0	73.0	75.0	71.0	73.0
Total Key personnel	69.0	69.0	68.0	71.0	75.0	76.0	73.0	74.0
Indicator value	98.6%	97.1%	95.6%	97.2%	97.3%	98.7%	97.3%	98.6%

Licensee Comments: none

Alert & Notification System

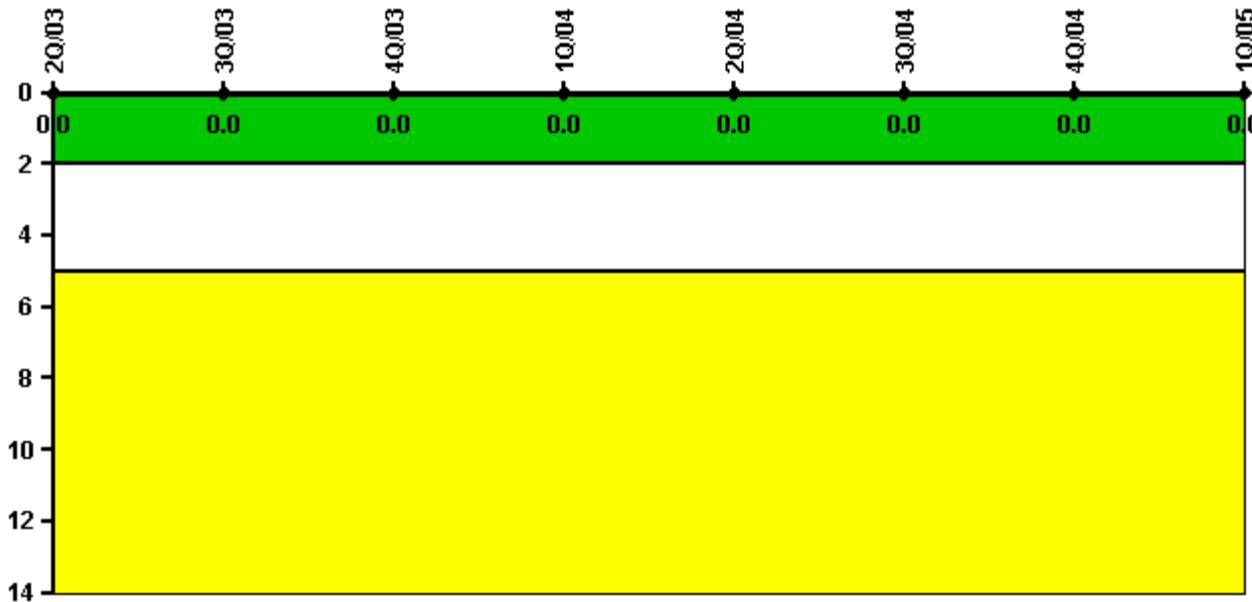


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Successful siren-tests	1670	1645	1677	1674	1644	1638	1480	1656
Total sirens-tests	1694	1696	1696	1696	1696	1691	1566	1696
Indicator value	98.2%	98.2%	98.3%	98.3%	97.9%	97.8%	96.8%	96.5%

Licensee Comments: none

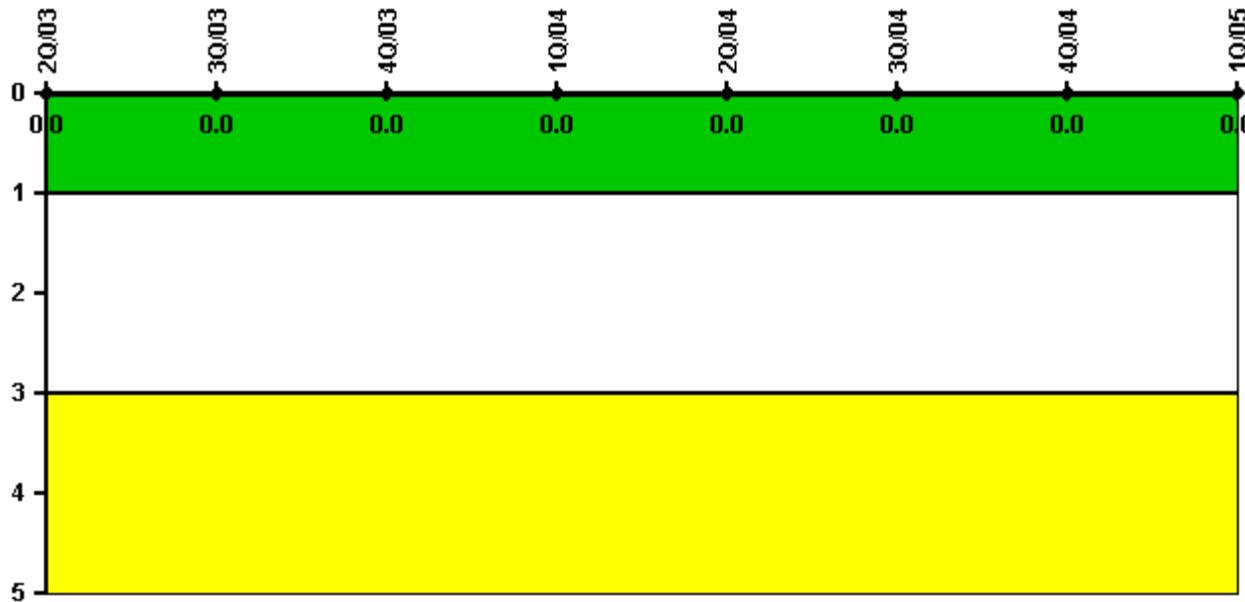
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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							

Licensee Comments: none

[Physical Protection](#) information not publicly available.



[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: June 17, 2005

Summer**2Q/2005 Performance Indicators**

Licensee's General Comments: none

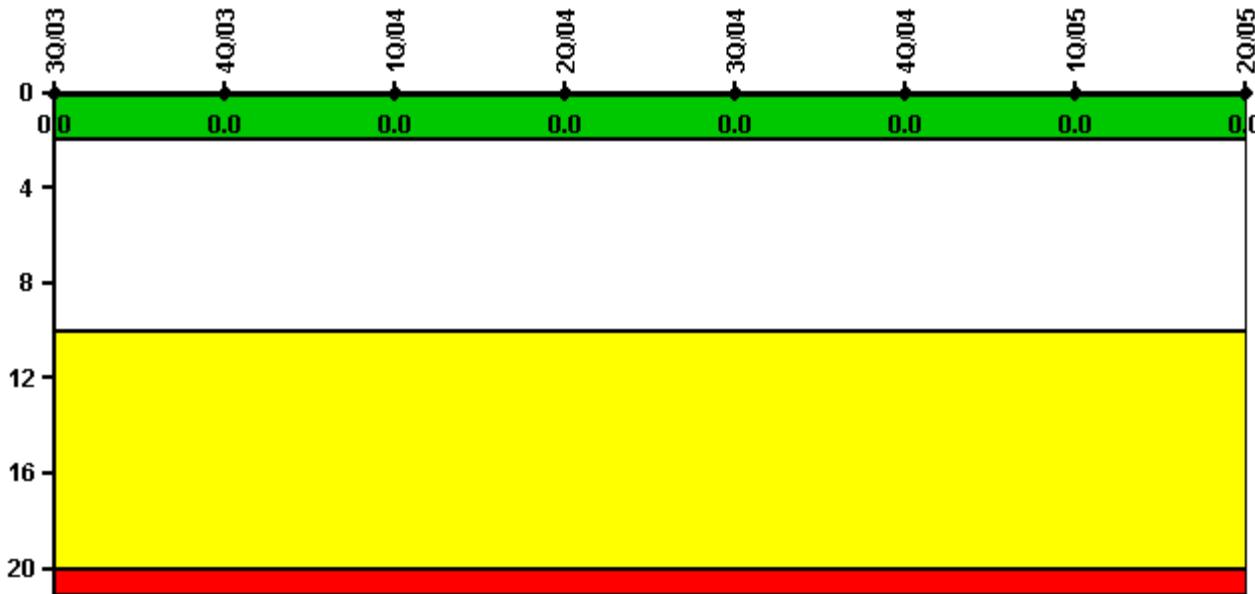
Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2208.0	1172.5	2151.4	1937.5	2208.0	2209.0	2160.0	1253.3
Indicator value	0.8	0.9	1.8	0.9	0.9	0.8	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

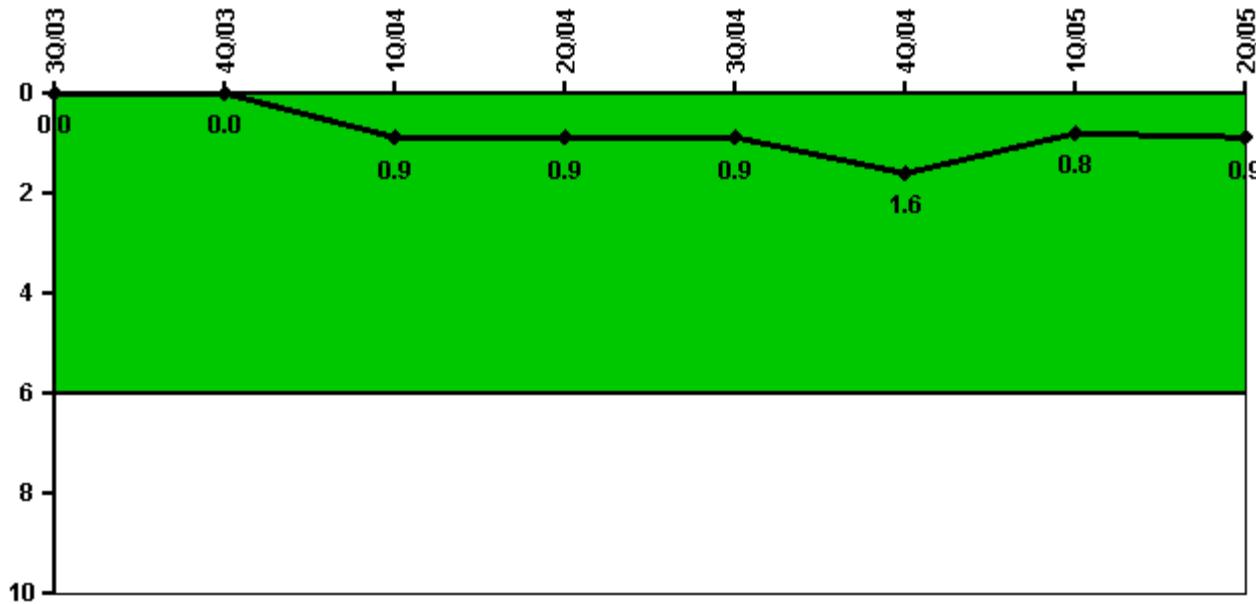
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/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

Unplanned Power Changes per 7000 Critical Hrs



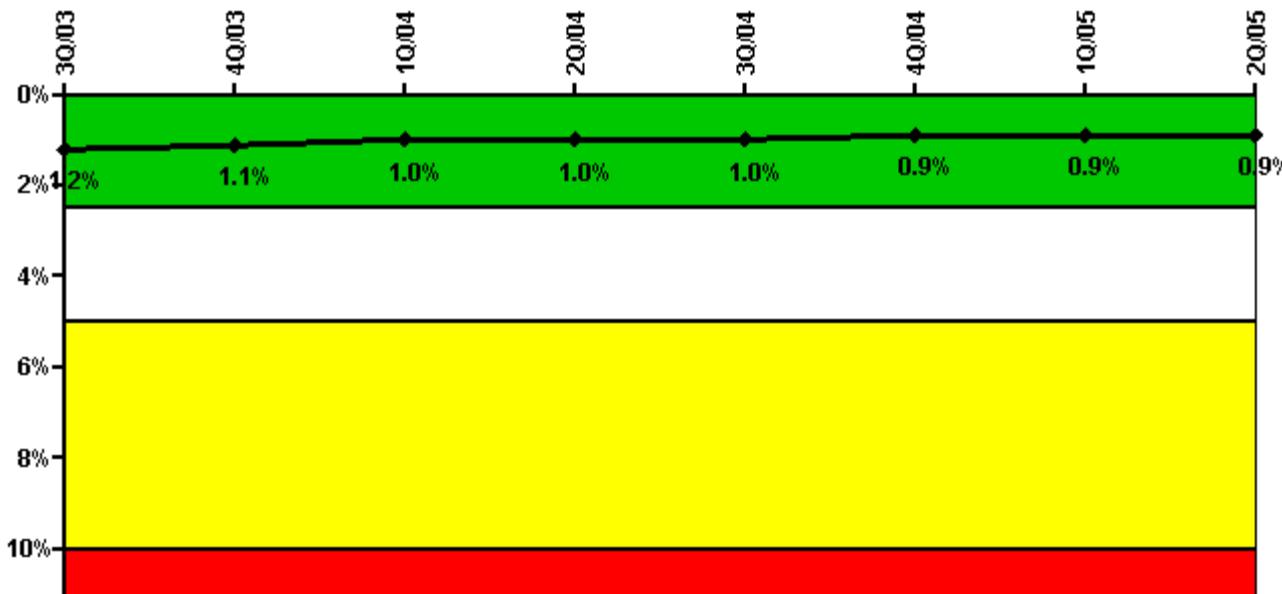
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned power changes	0	0	1.0	0	0	1.0	0	0
Critical hours	2208.0	1172.5	2151.4	1937.5	2208.0	2209.0	2160.0	1253.3
Indicator value	0	0	0.9	0.9	0.9	1.6	0.8	0.9

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



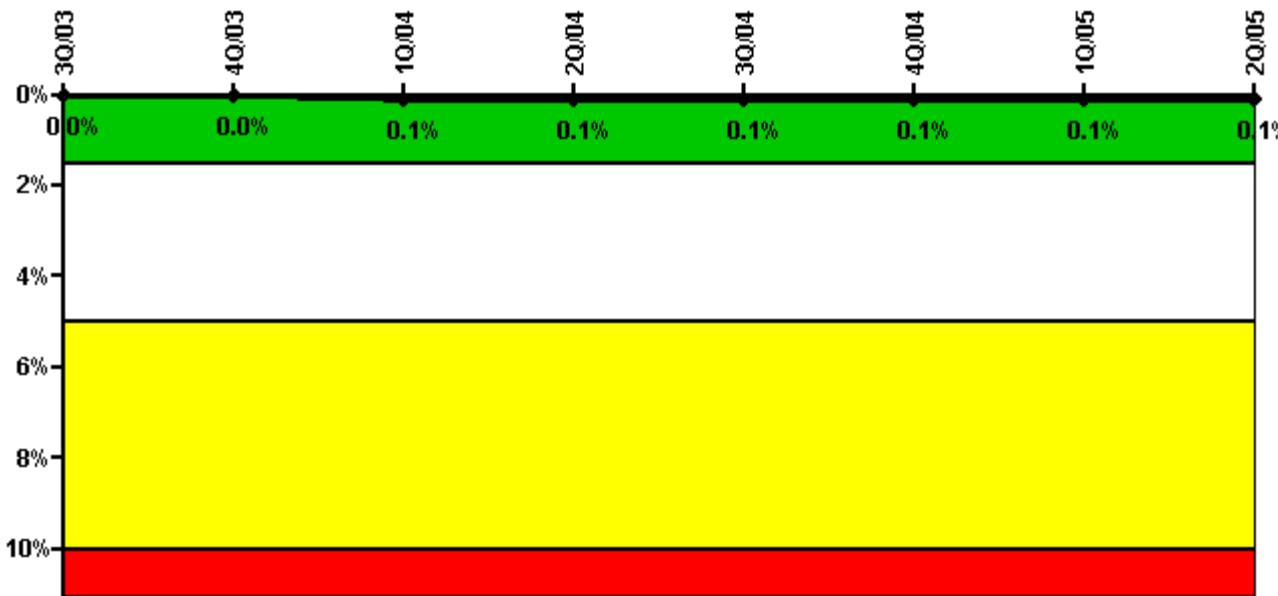
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	14.60	0.20	7.40	13.90	12.40	13.80	13.40	0.40
Unplanned unavailable hours	1.40	0	0	0	0	0	5.60	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	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	24.10	0.20	12.90	13.80	7.20	10.50	13.40	0.40
Unplanned unavailable hours	0	0	0	0	0	0	8.90	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	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	1.2%	1.1%	1.0%	1.0%	1.0%	0.9%	0.9%	0.9%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



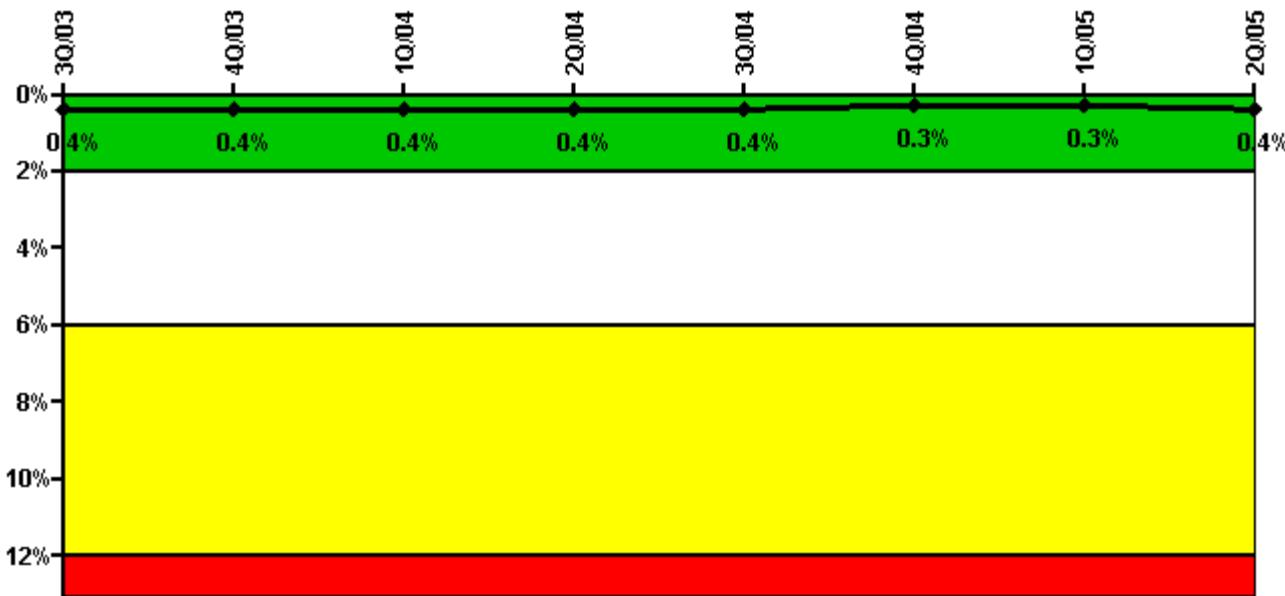
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	0.25	0	13.05	0.25	0.25	0.25	0.25	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1172.50	2151.70	1937.50	2208.00	2209.00	2160.00	1274.10
Train 2								
Planned unavailable hours	0.50	0	0.25	0.50	0.50	0.50	0.25	0.25
Unplanned unavailable hours	9.60	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	1172.50	2151.70	1937.50	2208.00	2209.00	2160.00	1274.10
Indicator value	0%	0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



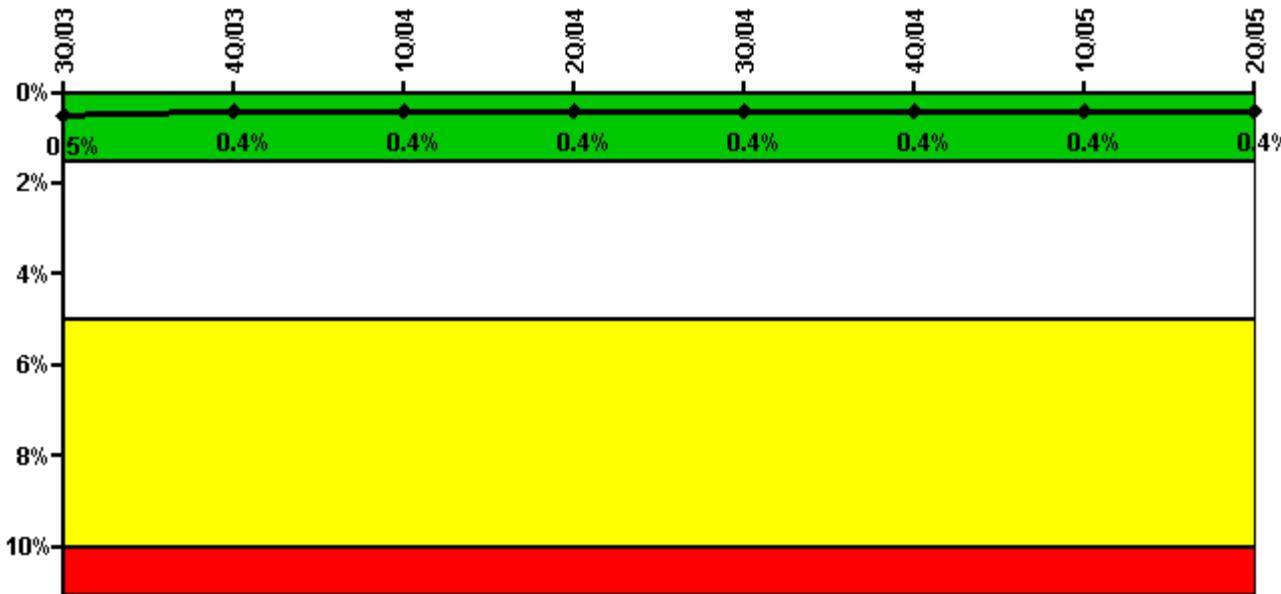
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	10.40	0	6.80	0	10.40	14.80	0	13.40
Unplanned unavailable hours	0	0	0	0	0	0	0	4.30
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	1172.50	2151.70	1937.50	2208.00	2209.00	2160.00	1274.10
Train 2								
Planned unavailable hours	16.10	0	8.80	16.00	0	7.70	0.90	7.50
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	1172.50	2151.70	1937.50	2208.00	2209.00	2160.00	1274.10
Train 3								
Planned unavailable hours	0	15.70	3.20	0	5.20	7.90	0	0
Unplanned unavailable hours	0	0	0	0	3.00	0	0	73.00
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	1172.50	2151.70	1937.50	2208.00	2209.00	2160.00	1274.10
Indicator value	0.4%	0.4%	0.4%	0.4%	0.4%	0.3%	0.3%	0.4%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

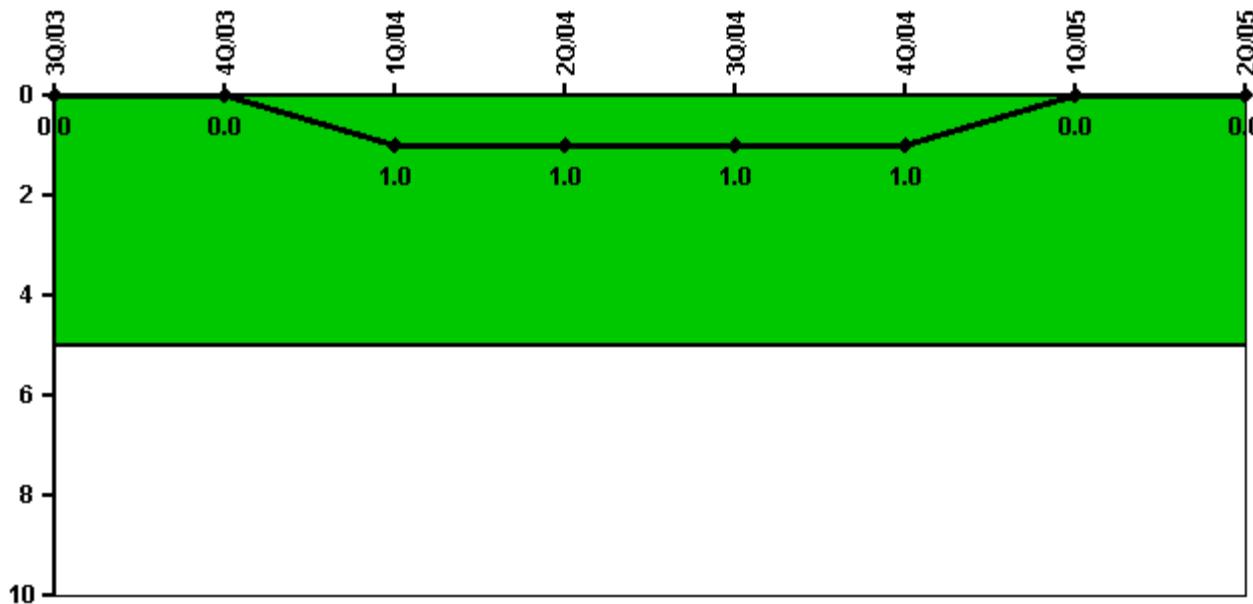


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	10.90	0	14.80	0	10.60	7.00	10.70	0
Unplanned unavailable hours	0	0	0	0	0	8.50	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	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	11.80	0	8.90	7.30	10.00	10.80	6.30	9.90
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	0.5%	0.4%						

Licensee Comments: none

Safety System Functional Failures (PWR)

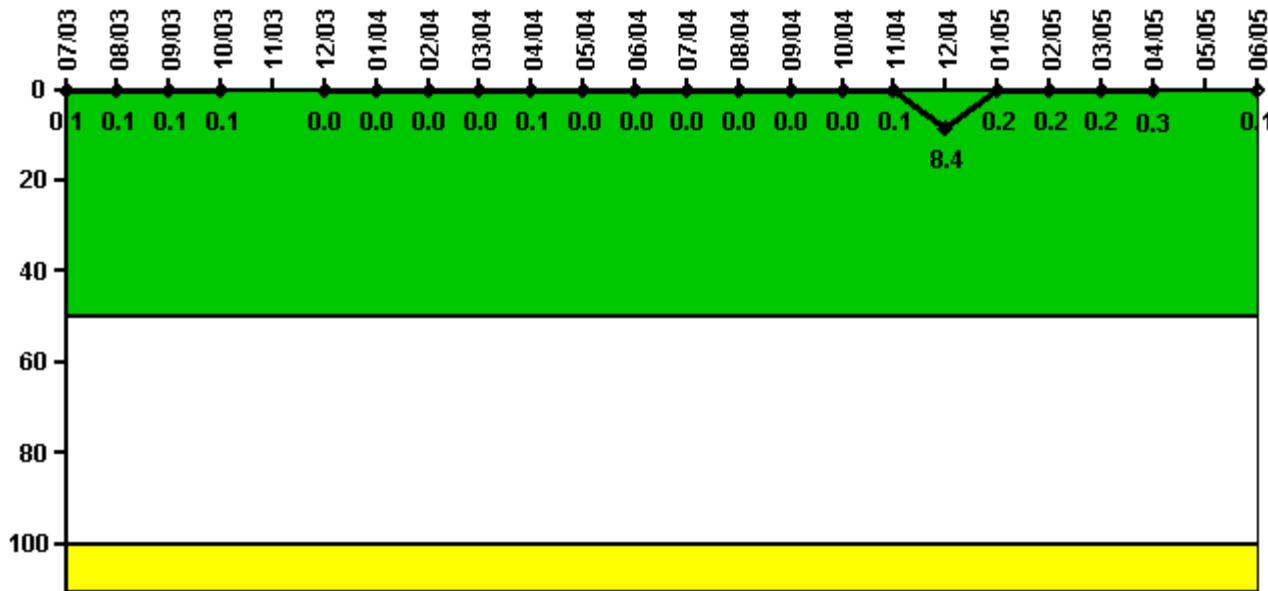
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

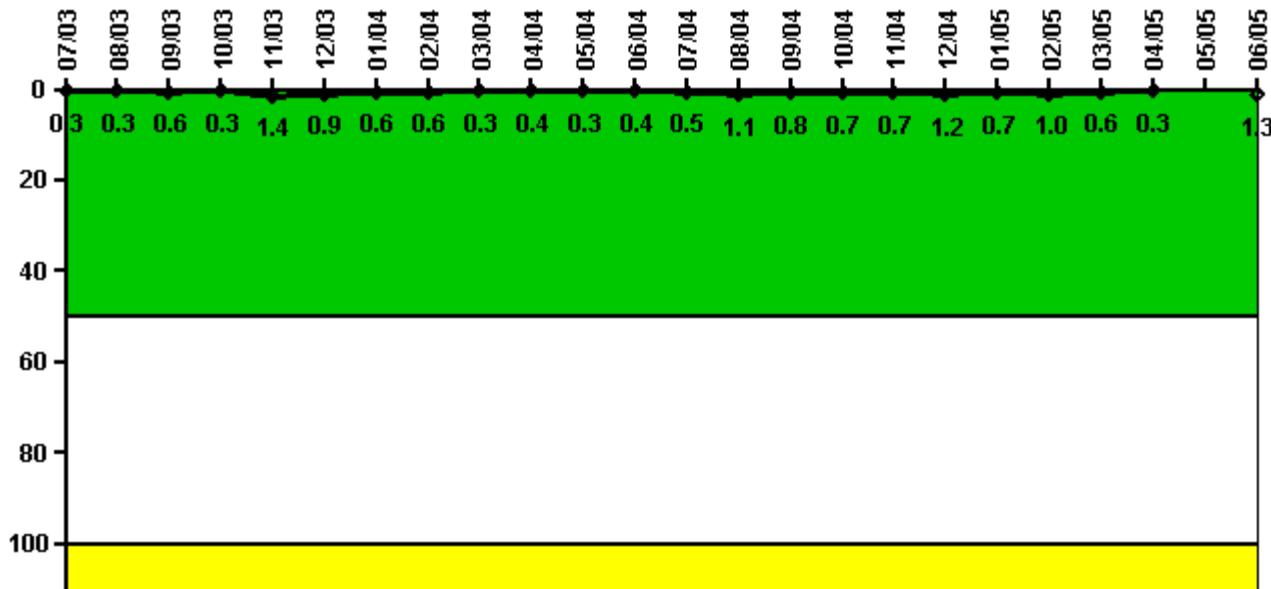
Notes

Reactor Coolant System Activity	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	0.000615	0.000538	0.000642	0.000807	N/A	0.000178	0.000164	0.000221	0.000195	0.000757	0.000180	0.000233
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	N/A	0	0	0	0	0.1	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	0.000262	0.000246	0.000300	0.000341	0.000564	0.084100	0.002010	0.002160	0.002290	0.002980	N/A	0.001050
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	0.1	8.4	0.2	0.2	0.2	0.3	N/A	0.1

Licensee Comments: none

Reactor Coolant System Leakage



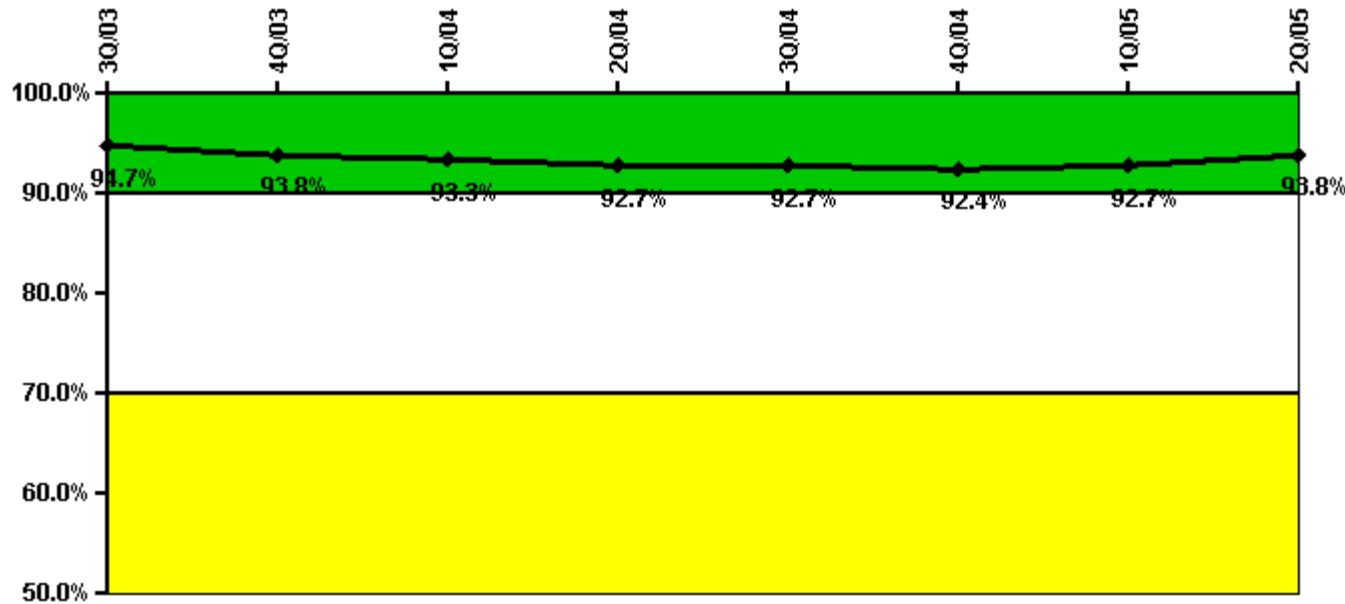
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum leakage	0.030	0.030	0.060	0.030	0.140	0.090	0.060	0.060	0.030	0.040	0.030	0.040
Indicator value	0.3	0.3	0.6	0.3	1.4	0.9	0.6	0.6	0.3	0.4	0.3	0.4
Reactor Coolant System Leakage	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum leakage	0.050	0.110	0.080	0.070	0.070	0.120	0.070	0.100	0.060	0.030	N/A	0.130
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	1.1	0.8	0.7	0.7	1.2	0.7	1.0	0.6	0.3	N/A	1.3

Licensee Comments: none

Drill/Exercise Performance



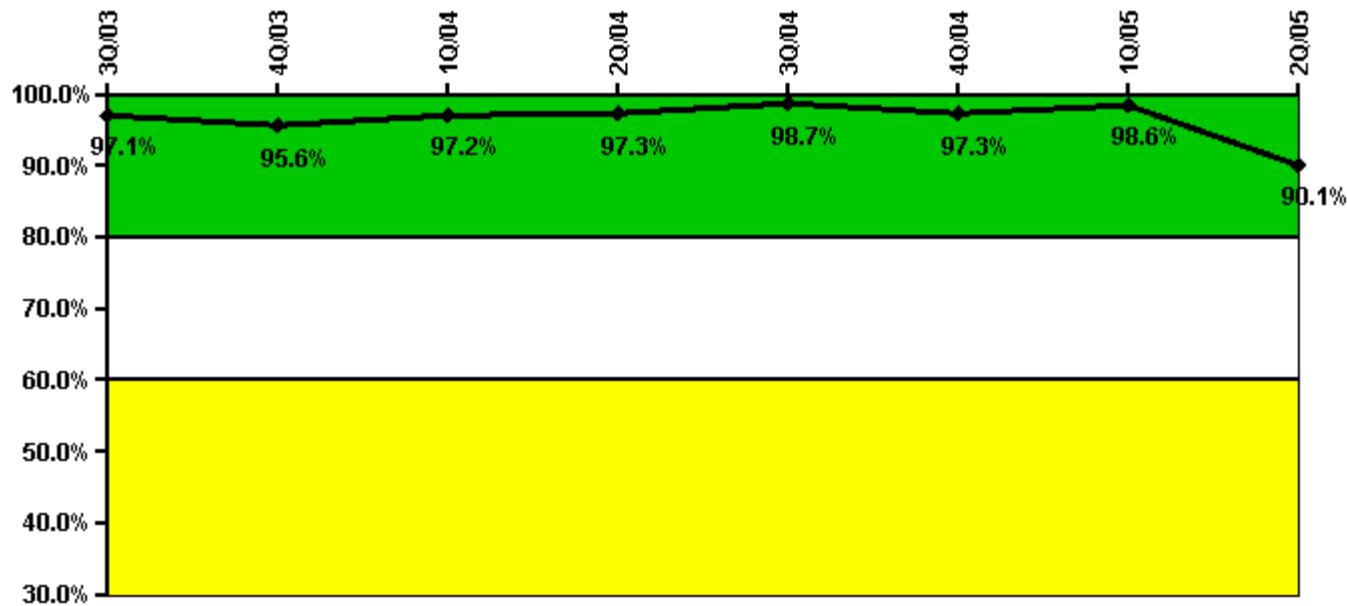
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful opportunities	32.0	0	58.0	26.0	31.0	6.0	48.0	41.0
Total opportunities	35.0	0	61.0	28.0	35.0	7.0	50.0	42.0
Indicator value	94.7%	93.8%	93.3%	92.7%	92.7%	92.4%	92.7%	93.8%

Licensee Comments: none

ERO Drill Participation



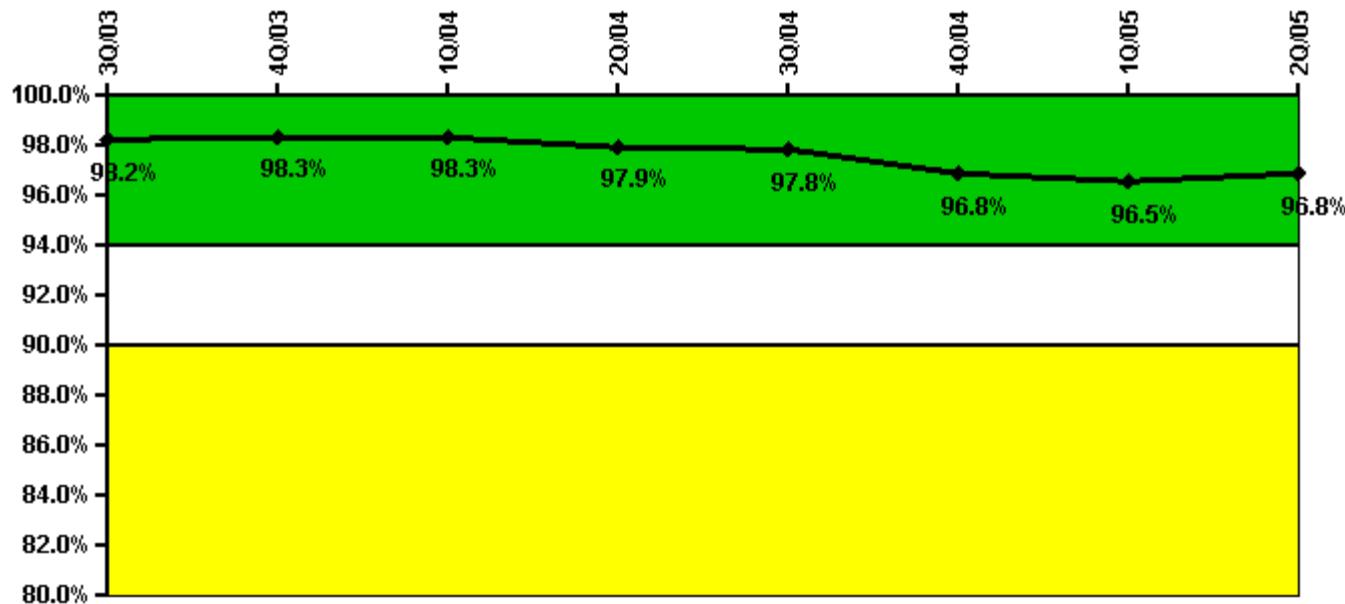
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Participating Key personnel	67.0	65.0	69.0	73.0	75.0	71.0	73.0	64.0
Total Key personnel	69.0	68.0	71.0	75.0	76.0	73.0	74.0	71.0
Indicator value	97.1%	95.6%	97.2%	97.3%	98.7%	97.3%	98.6%	90.1%

Licensee Comments: none

Alert & Notification System

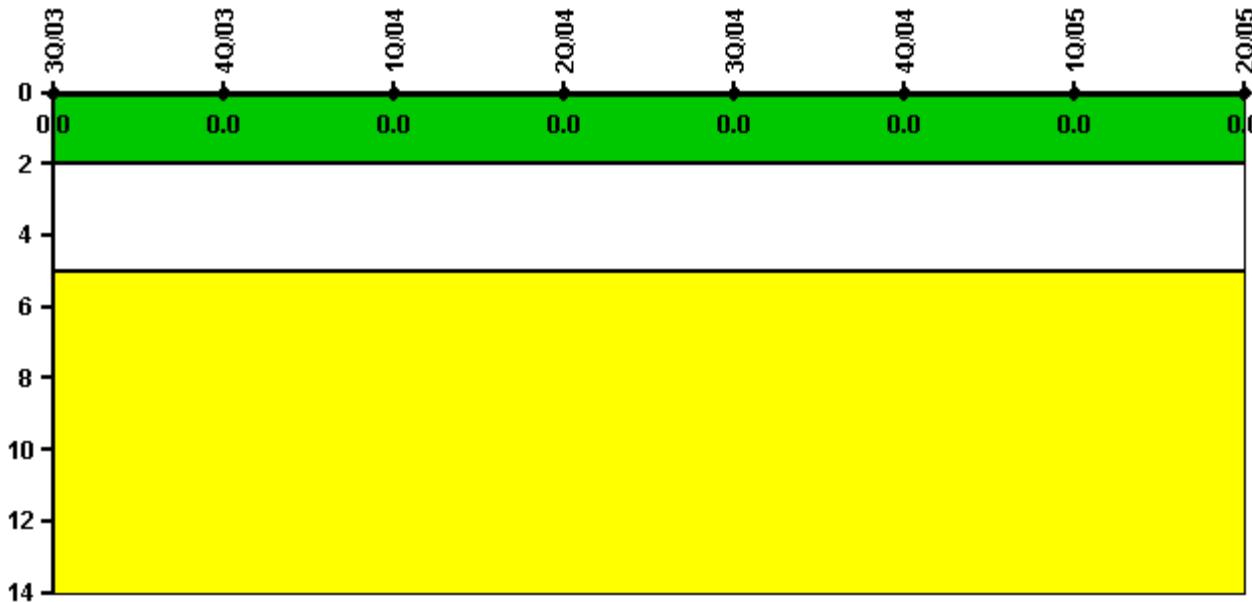


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful siren-tests	1645	1677	1674	1644	1638	1480	1656	840
Total sirens-tests	1696	1696	1696	1696	1691	1566	1696	846
Indicator value	98.2%	98.3%	98.3%	97.9%	97.8%	96.8%	96.5%	96.8%

Licensee Comments: none

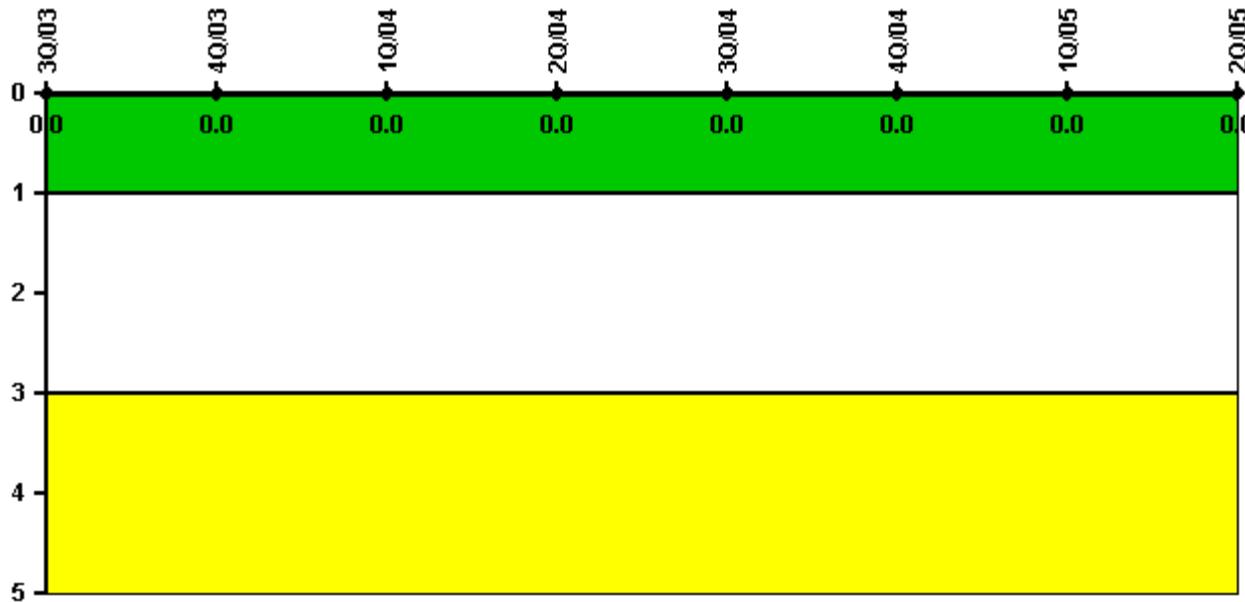
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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							

Licensee Comments: none

[Physical Protection](#) information not publicly available.

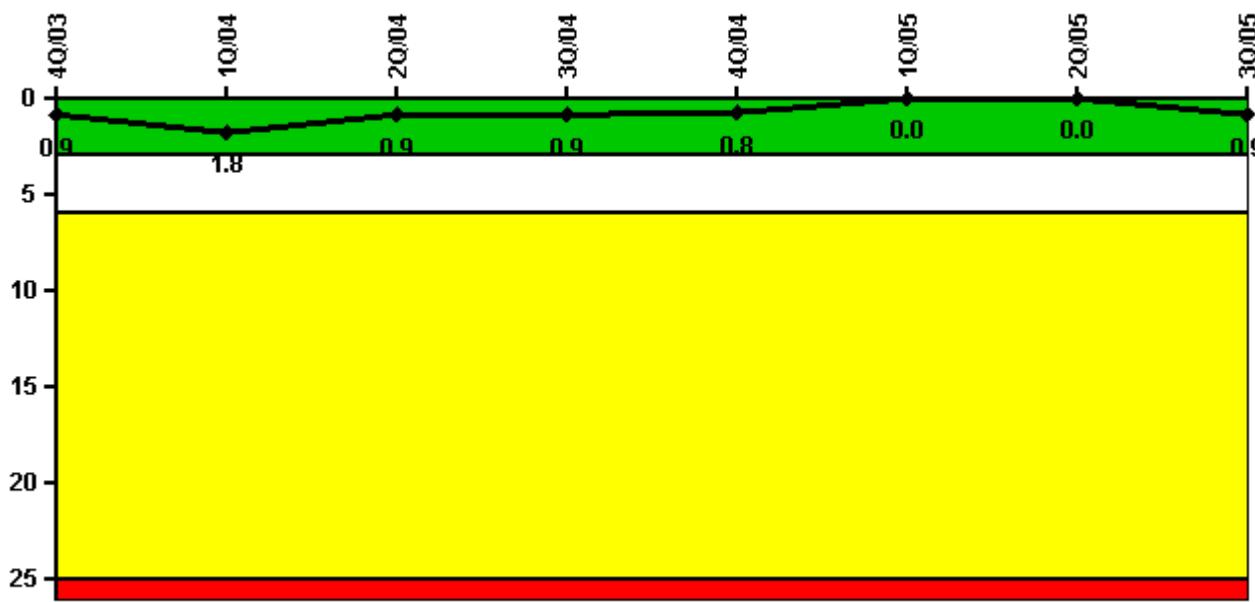


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: August 3, 2005

Summer**3Q/2005 Performance Indicators**

Licensee's General Comments: none

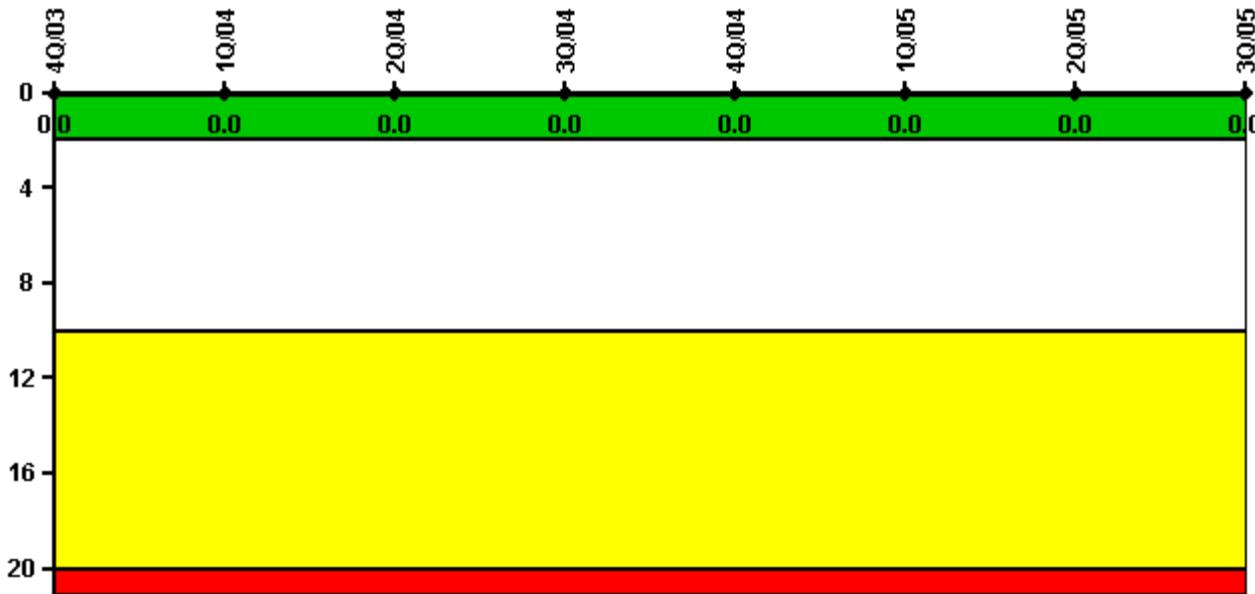
Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned scrams	0	1.0	0	0	0	0	0	1.0
Critical hours	1172.5	2151.4	1937.5	2208.0	2209.0	2160.0	1253.3	2165.1
Indicator value	0.9	1.8	0.9	0.9	0.8	0	0	0.9

Licensee Comments: none

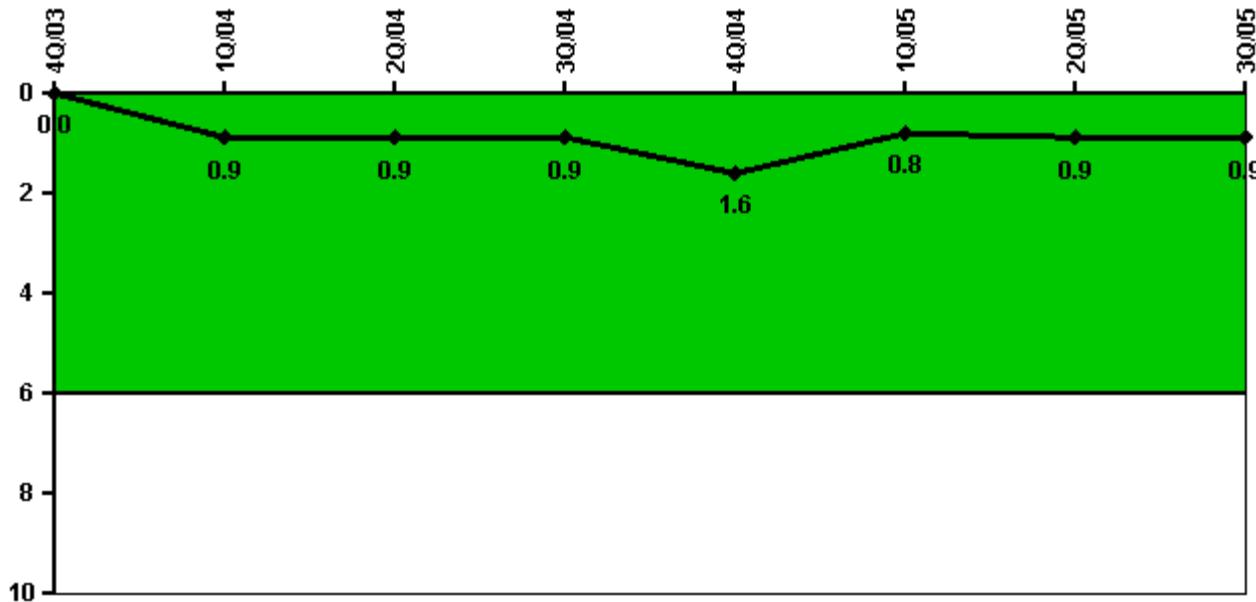
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

Unplanned Power Changes per 7000 Critical Hrs

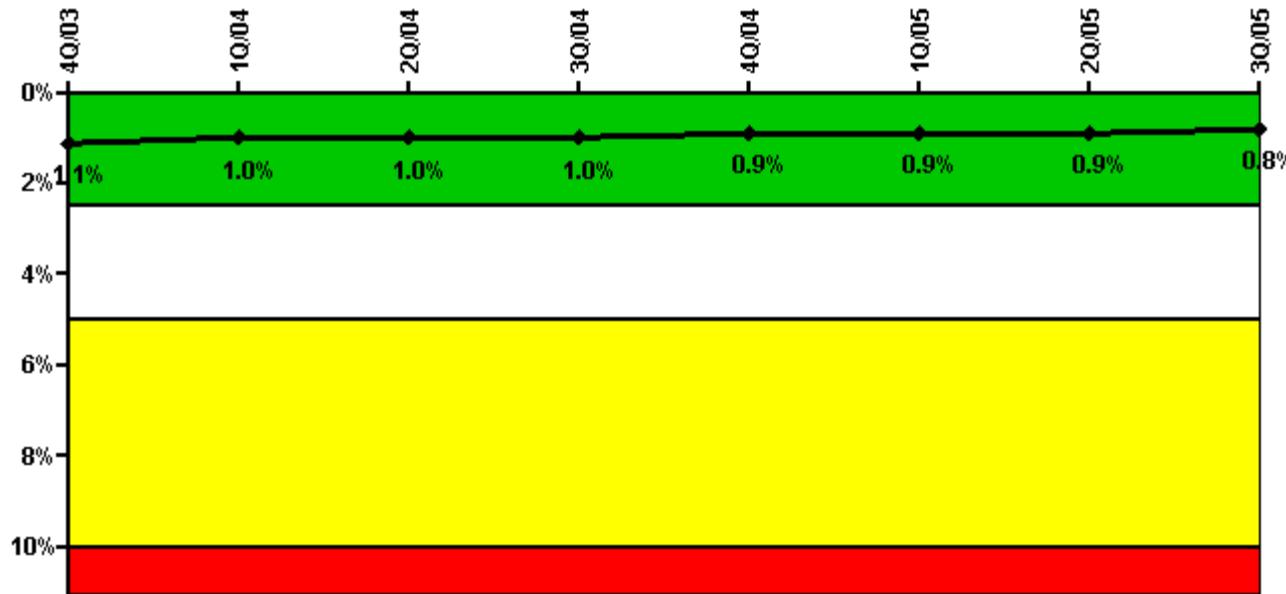
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned power changes	0	1.0	0	0	1.0	0	0	0
Critical hours	1172.5	2151.4	1937.5	2208.0	2209.0	2160.0	1253.3	2165.1
Indicator value	0	0.9	0.9	0.9	1.6	0.8	0.9	0.9

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



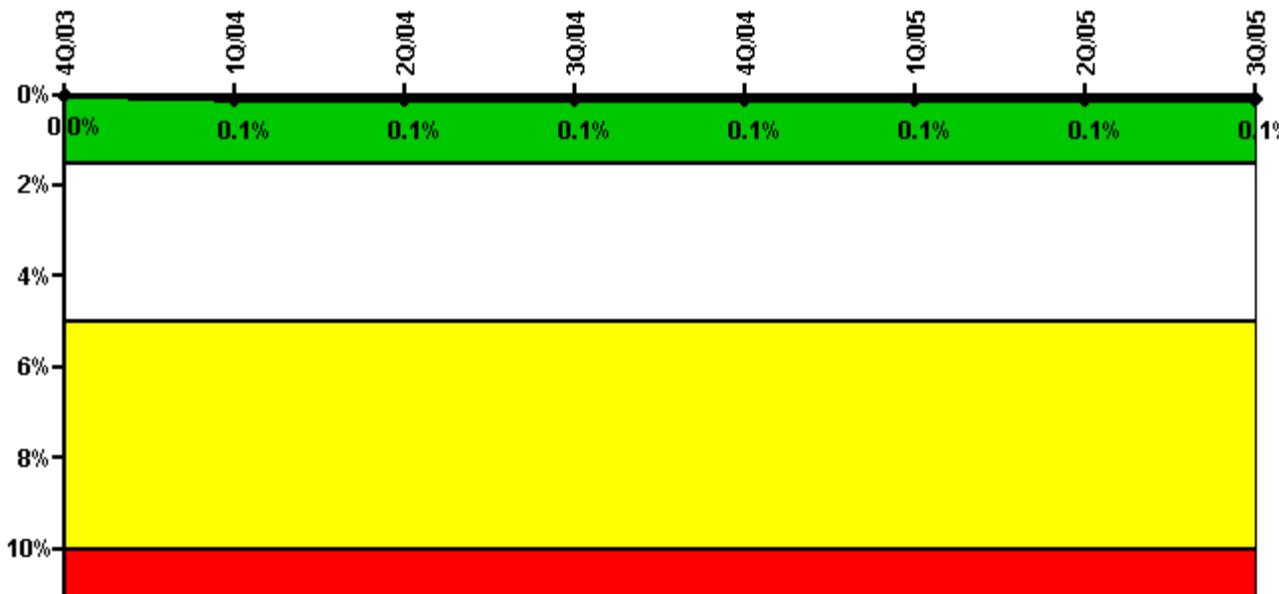
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	0.20	7.40	13.90	12.40	13.80	13.40	0.40	14.10
Unplanned unavailable hours	0	0	0	0	0	5.60	0	9.90
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0.20	12.90	13.80	7.20	10.50	13.40	0.40	10.40
Unplanned unavailable hours	0	0	0	0	0	8.90	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	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	1.1%	1.0%	1.0%	1.0%	0.9%	0.9%	0.9%	0.8%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



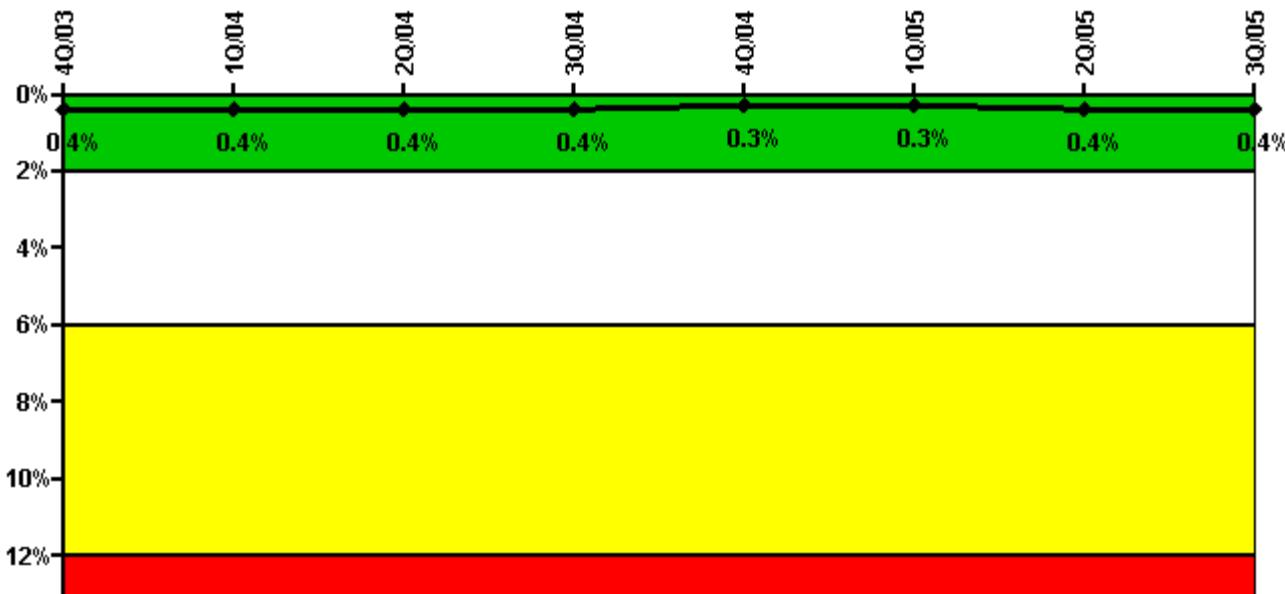
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	0	13.05	0.25	0.25	0.25	0.25	0.25	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1172.50	2151.70	1937.50	2208.00	2209.00	2160.00	1274.10	2165.50
Train 2								
Planned unavailable hours	0	0.25	0.50	0.50	0.50	0.25	0.25	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1172.50	2151.70	1937.50	2208.00	2209.00	2160.00	1274.10	2165.50
Indicator value	0%	0.1%						

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



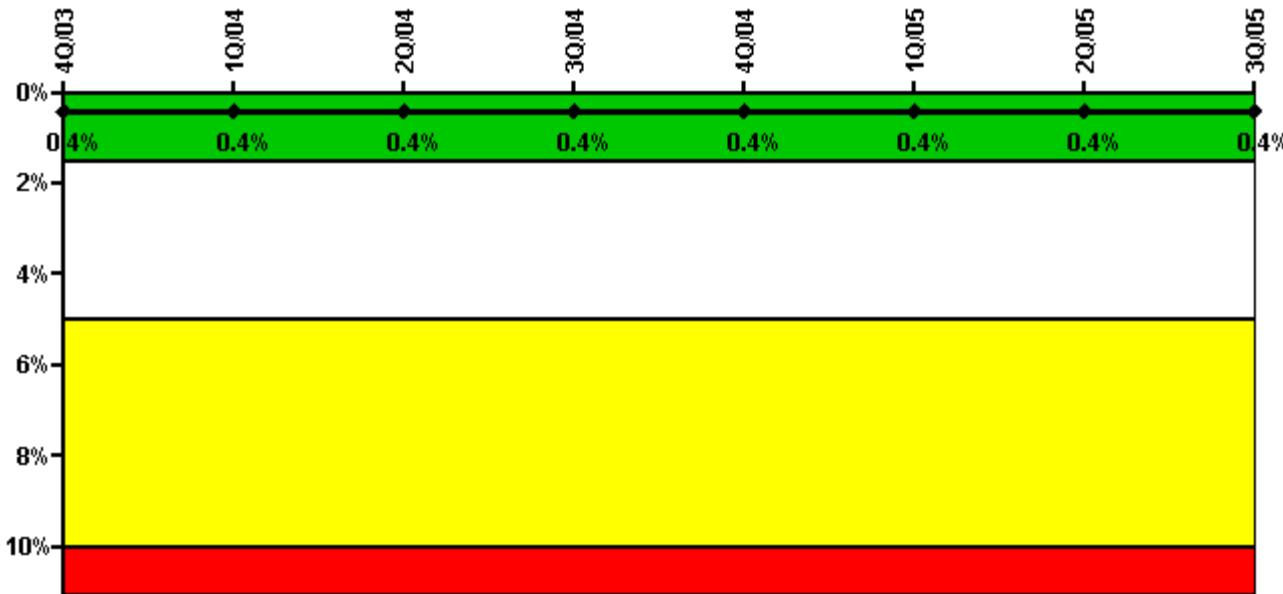
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	0	6.80	0	10.40	14.80	0	13.40	0
Unplanned unavailable hours	0	0	0	0	0	0	4.30	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	1172.50	2151.70	1937.50	2208.00	2209.00	2160.00	1274.10	2165.50
Train 2								
Planned unavailable hours	0	8.80	16.00	0	7.70	0.90	7.50	13.20
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	1172.50	2151.70	1937.50	2208.00	2209.00	2160.00	1274.10	2165.50
Train 3								
Planned unavailable hours	15.70	3.20	0	5.20	7.90	0	0	5.20
Unplanned unavailable hours	0	0	0	3.00	0	0	73.00	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	1172.50	2151.70	1937.50	2208.00	2209.00	2160.00	1274.10	2165.50
Indicator value	0.4%	0.4%	0.4%	0.4%	0.3%	0.3%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

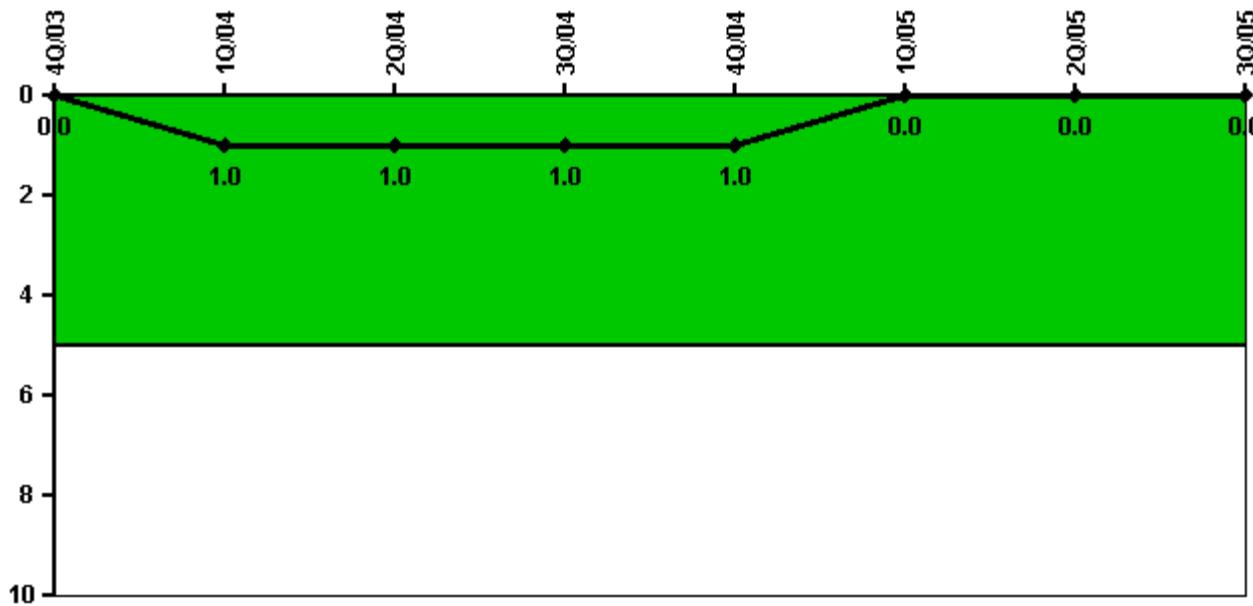


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	0	14.80	0	10.60	7.00	10.70	0	15.80
Unplanned unavailable hours	0	0	0	0	8.50	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0	8.90	7.30	10.00	10.80	6.30	9.90	11.10
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	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	0.4%							

Licensee Comments: none

Safety System Functional Failures (PWR)

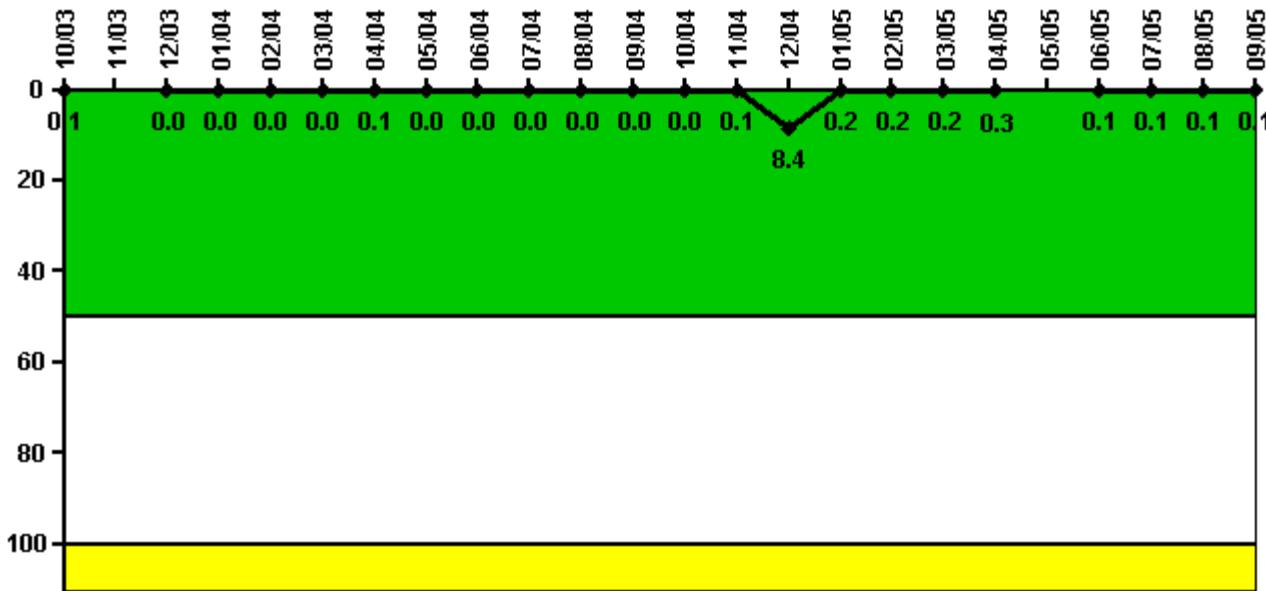
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

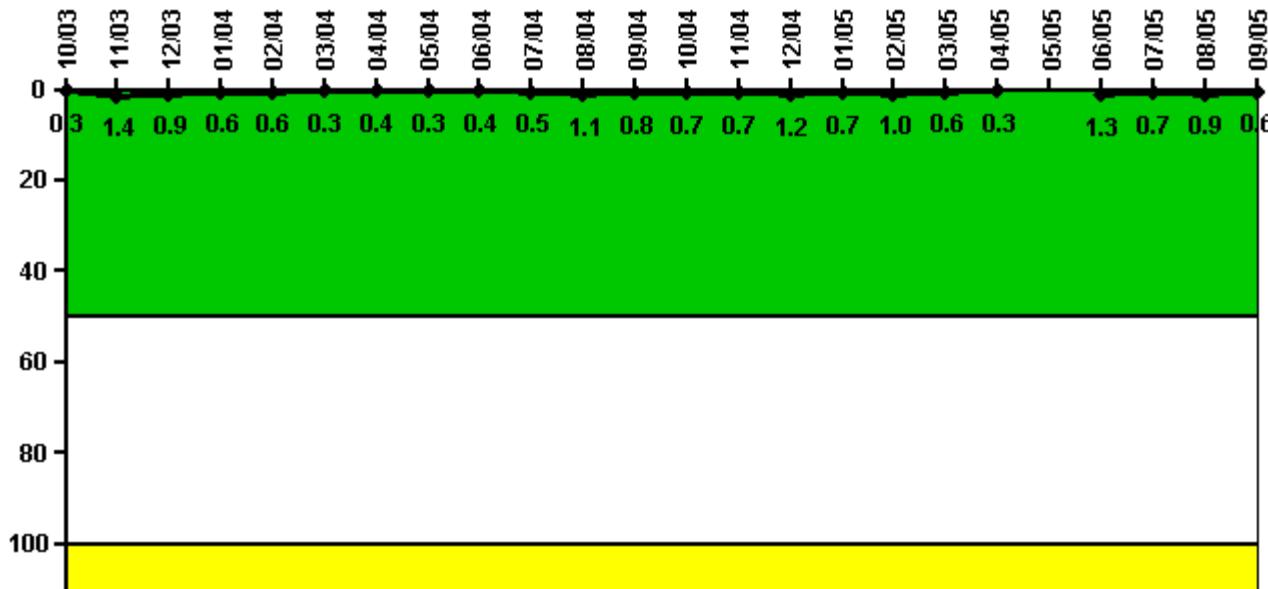
Notes

Reactor Coolant System Activity	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	0.000807	N/A	0.000178	0.000164	0.000221	0.000195	0.000757	0.000180	0.000233	0.000262	0.000246	0.000300
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	N/A	0	0	0	0	0.1	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	0.000341	0.000564	0.084100	0.002010	0.002160	0.002290	0.002980	N/A	0.001050	0.000541	0.000556	0.000879
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0.1	8.4	0.2	0.2	0.2	0.3	N/A	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



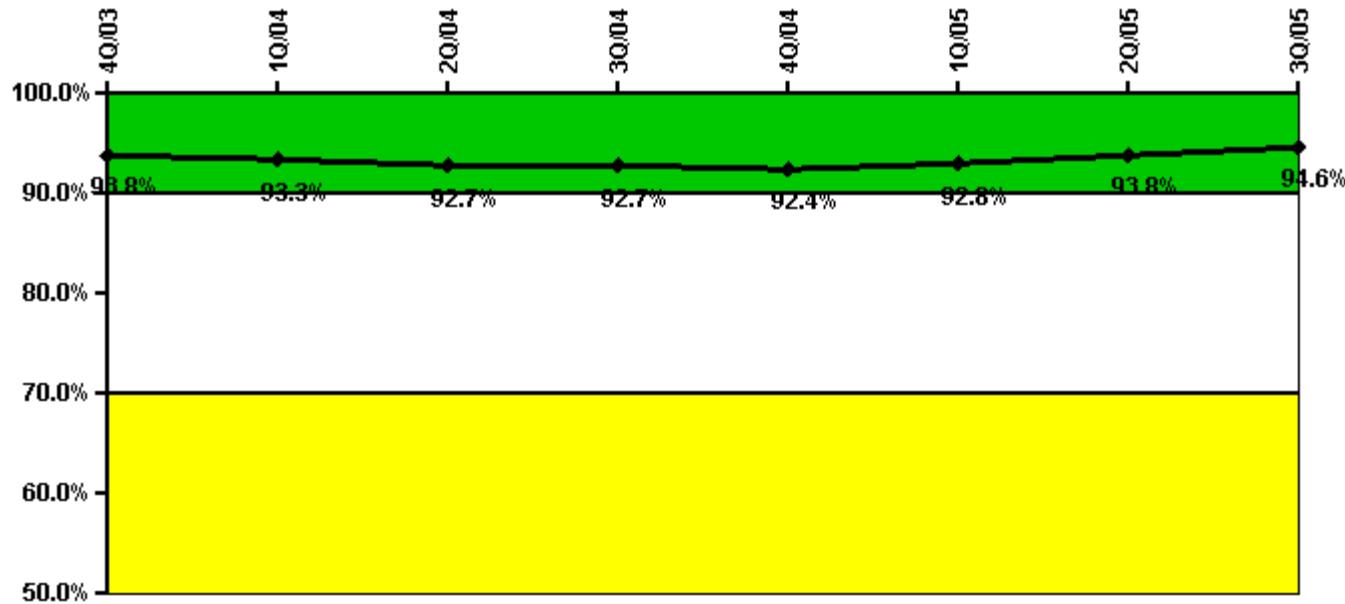
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	0.030	0.140	0.090	0.060	0.060	0.030	0.040	0.030	0.040	0.050	0.110	0.080
Indicator value	0.3	1.4	0.9	0.6	0.6	0.3	0.4	0.3	0.4	0.5	1.1	0.8
Reactor Coolant System Leakage	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum leakage	0.070	0.070	0.120	0.070	0.100	0.060	0.030	N/A	0.130	0.070	0.090	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.7	0.7	1.2	0.7	1.0	0.6	0.3	N/A	1.3	0.7	0.9	0.6

Licensee Comments: none

Drill/Exercise Performance



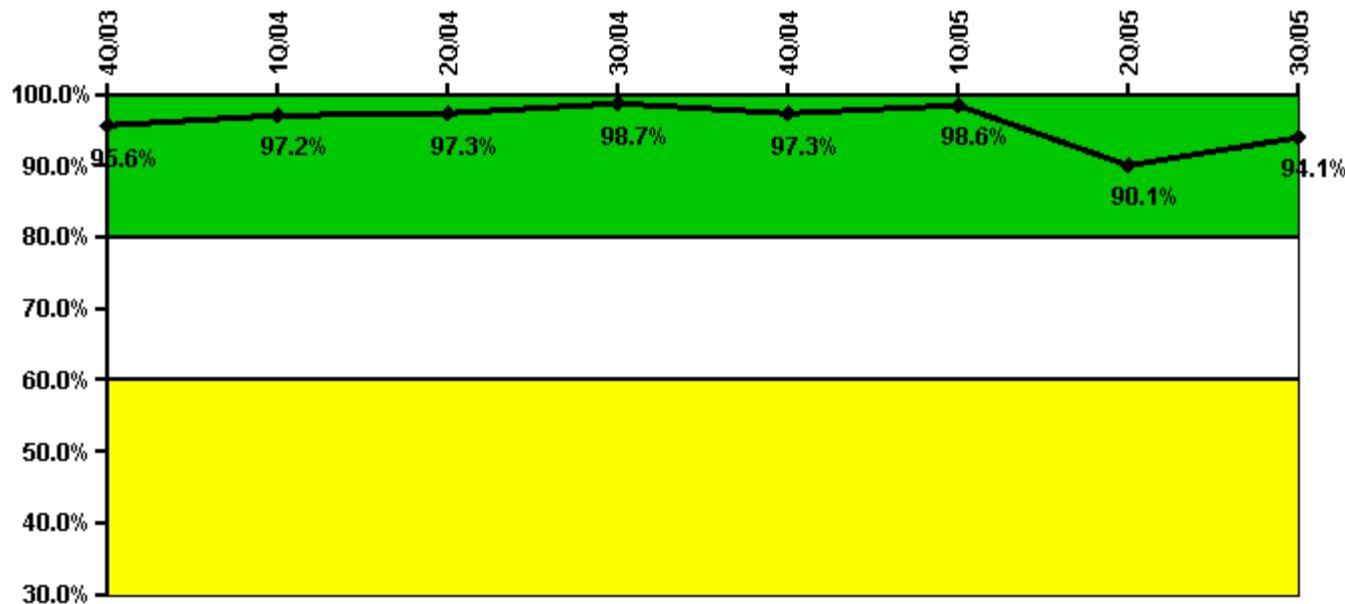
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful opportunities	0	58.0	26.0	31.0	7.0	48.0	41.0	53.0
Total opportunities	0	61.0	28.0	35.0	8.0	50.0	42.0	55.0
Indicator value	93.8%	93.3%	92.7%	92.7%	92.4%	92.8%	93.8%	94.6%

Licensee Comments: none

ERO Drill Participation



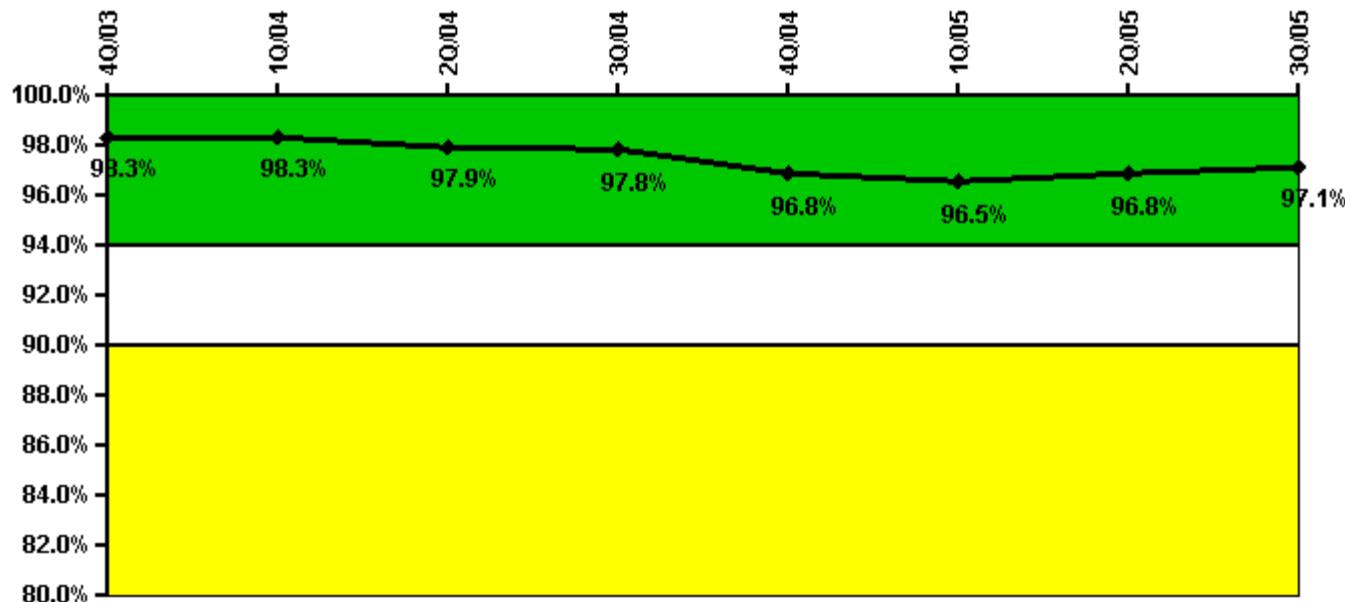
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Participating Key personnel	65.0	69.0	73.0	75.0	71.0	73.0	64.0	64.0
Total Key personnel	68.0	71.0	75.0	76.0	73.0	74.0	71.0	68.0
Indicator value	95.6%	97.2%	97.3%	98.7%	97.3%	98.6%	90.1%	94.1%

Licensee Comments: none

Alert & Notification System

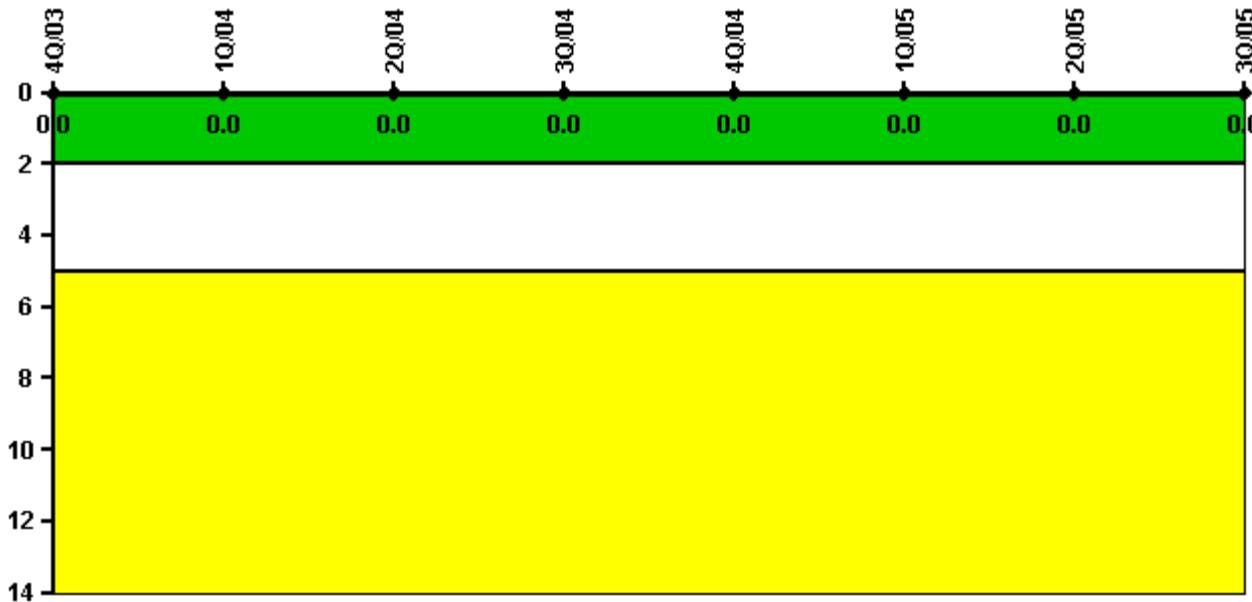


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful siren-tests	1677	1674	1644	1638	1480	1656	840	731
Total sirens-tests	1696	1696	1696	1691	1566	1696	846	742
Indicator value	98.3%	98.3%	97.9%	97.8%	96.8%	96.5%	96.8%	97.1%

Licensee Comments: none

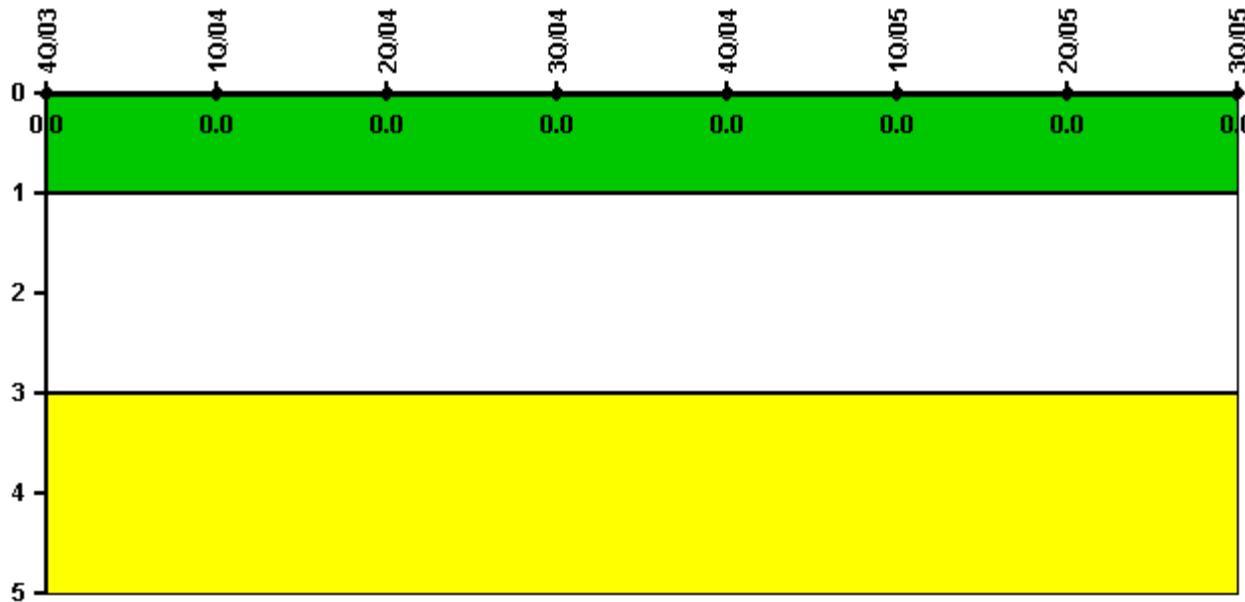
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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							

Licensee Comments: none

[Physical Protection](#) information not publicly available.

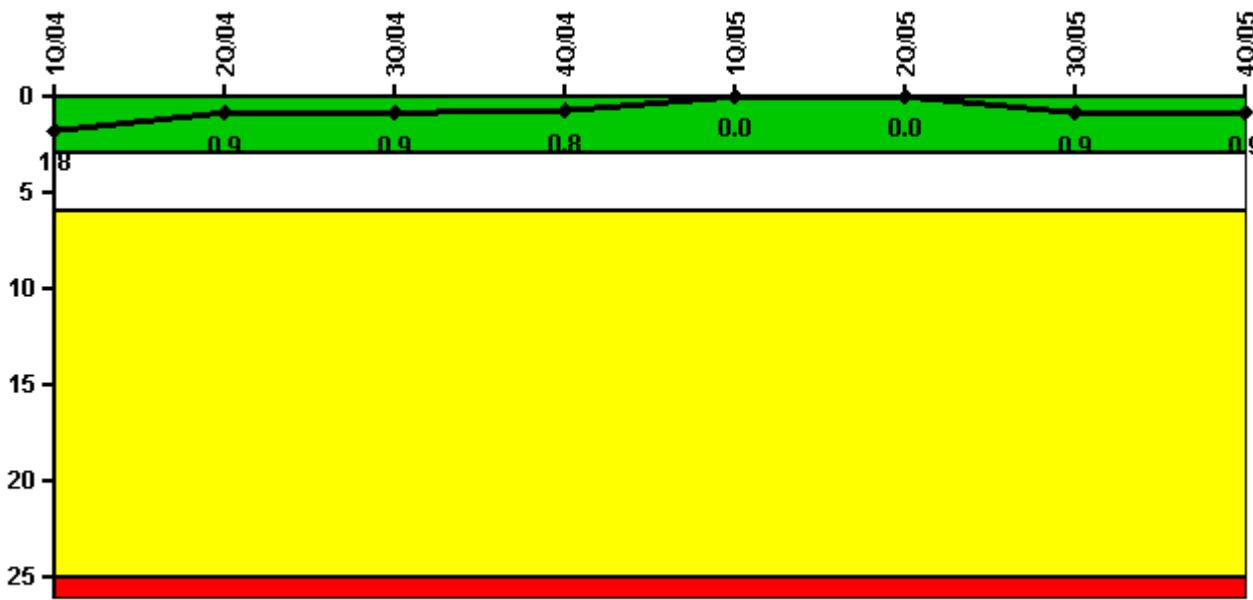


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: November 3, 2005

Summer**4Q/2005 Performance Indicators**

Licensee's General Comments: none

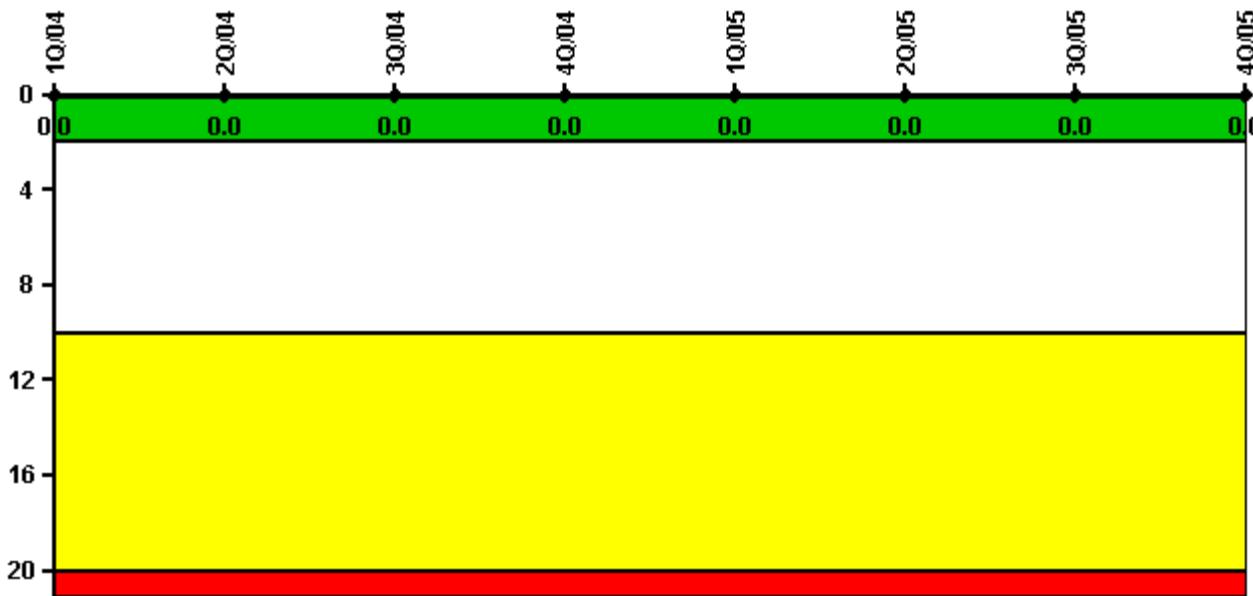
Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned scrams	1.0	0	0	0	0	0	1.0	0
Critical hours	2151.4	1937.5	2208.0	2209.0	2160.0	1253.3	2165.1	2209.0
Indicator value	1.8	0.9	0.9	0.8	0	0	0.9	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

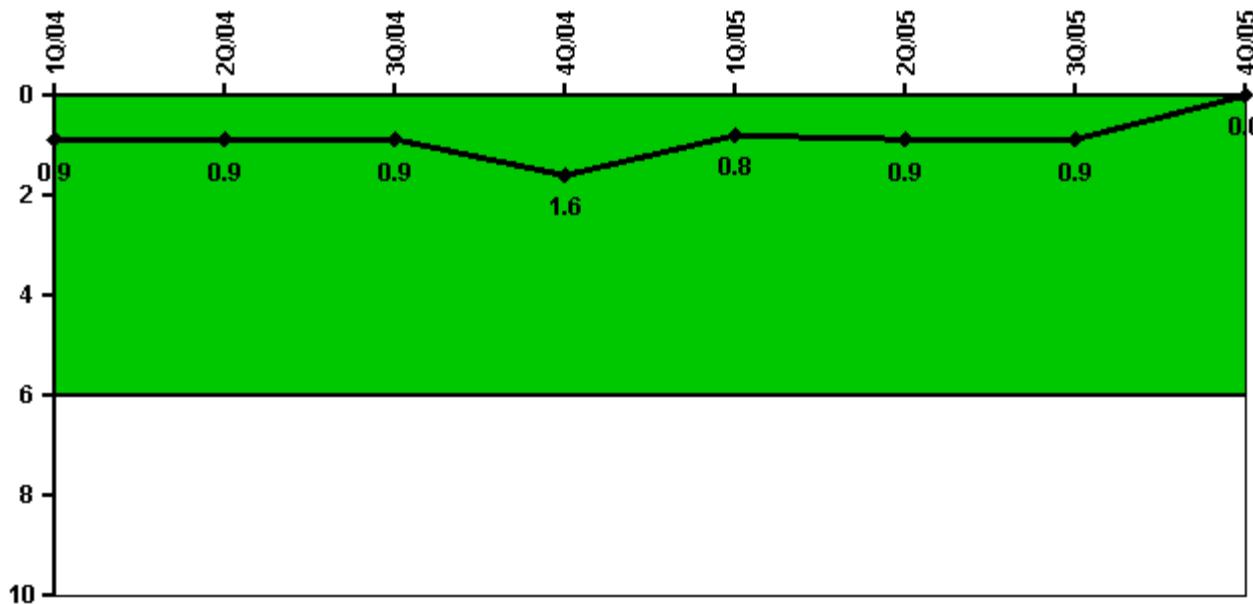
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



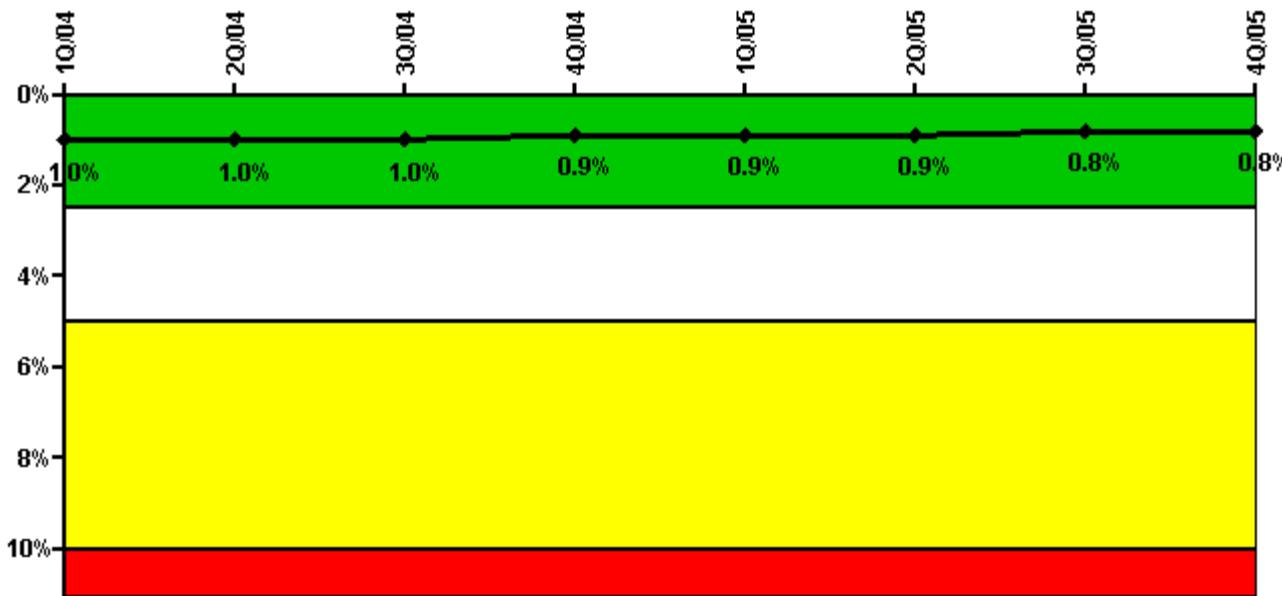
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned power changes	1.0	0	0	1.0	0	0	0	0
Critical hours	2151.4	1937.5	2208.0	2209.0	2160.0	1253.3	2165.1	2209.0
Indicator value	0.9	0.9	0.9	1.6	0.8	0.9	0.9	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



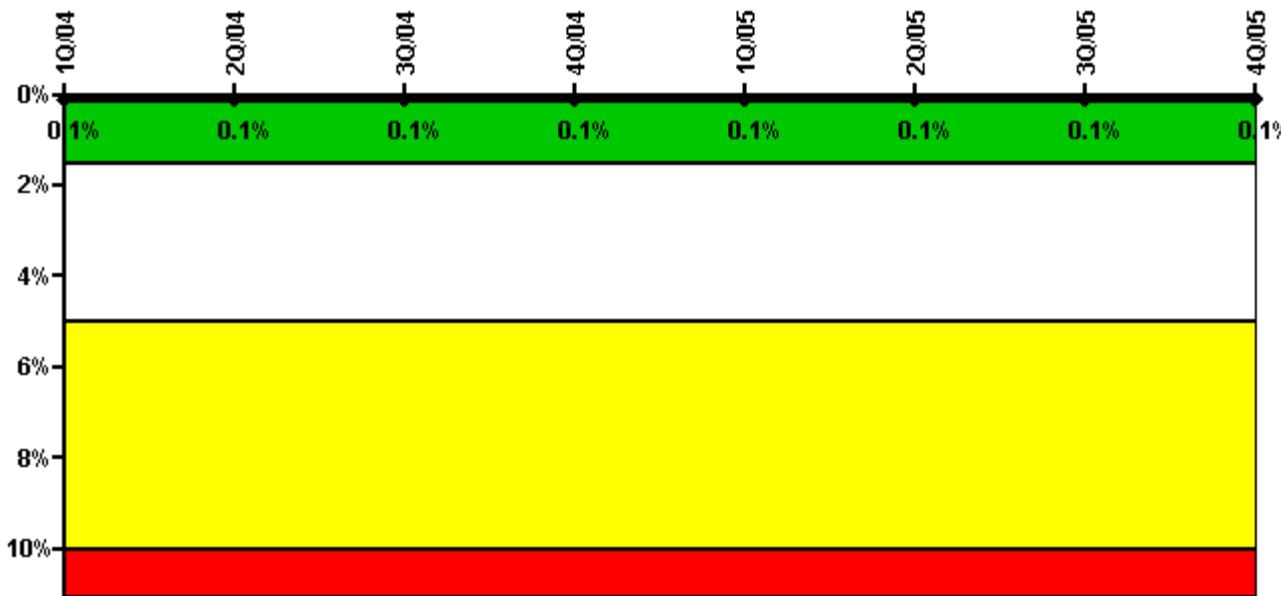
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	7.40	13.90	12.40	13.80	13.40	0.40	14.10	34.60
Unplanned unavailable hours	0	0	0	0	5.60	0	9.90	2.40
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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	12.90	13.80	7.20	10.50	13.40	0.40	10.40	42.38
Unplanned unavailable hours	0	0	0	0	8.90	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	1.0%	1.0%	1.0%	0.9%	0.9%	0.9%	0.8%	0.8%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



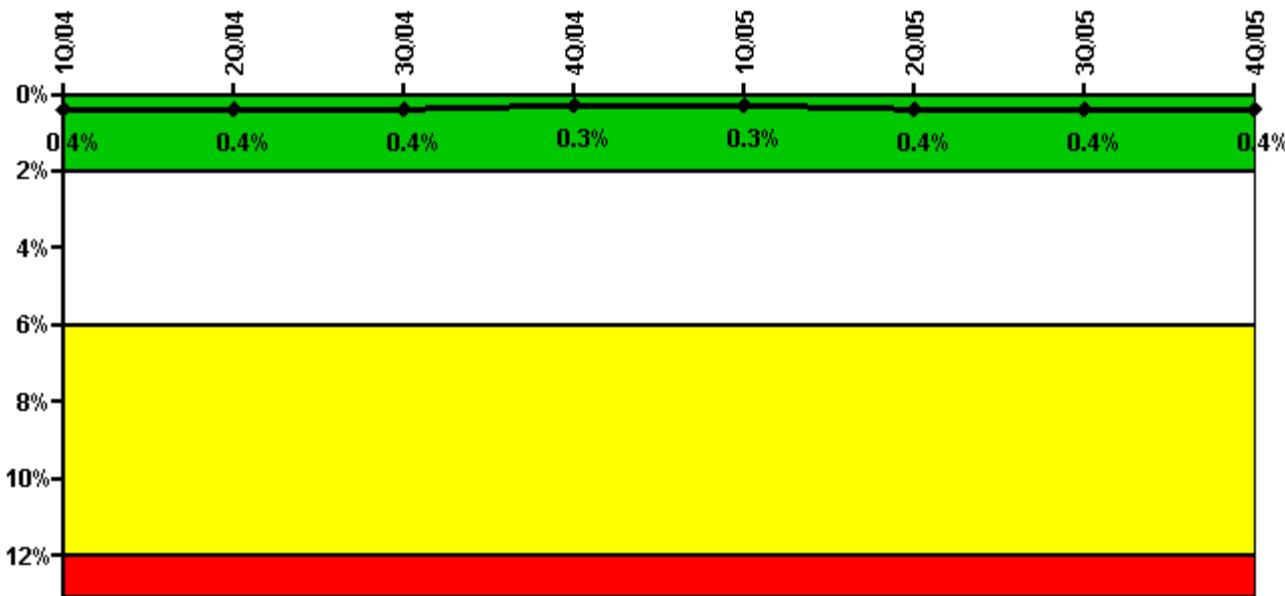
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	13.05	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2151.70	1937.50	2208.00	2209.00	2160.00	1274.10	2165.50	2209.00
Train 2								
Planned unavailable hours	0.25	0.50	0.50	0.50	0.25	0.25	0.25	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2151.70	1937.50	2208.00	2209.00	2160.00	1274.10	2165.50	2209.00
Indicator value	0.1%							

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



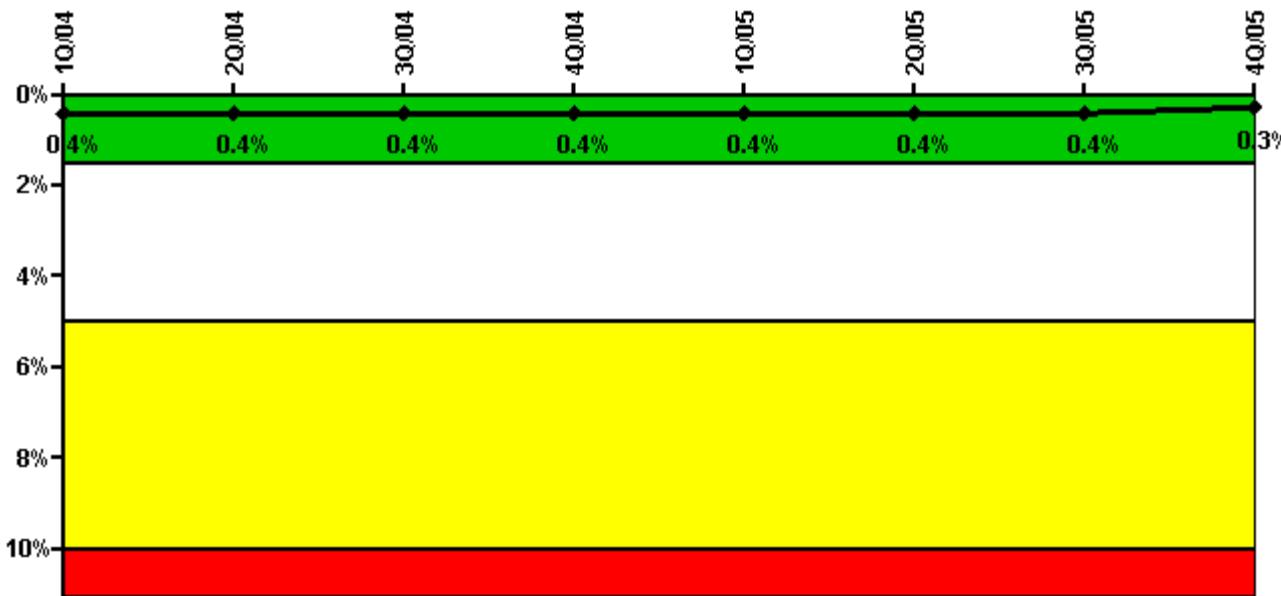
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	6.80	0	10.40	14.80	0	13.40	0	0
Unplanned unavailable hours	0	0	0	0	0	4.30	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	2151.70	1937.50	2208.00	2209.00	2160.00	1274.10	2165.50	2209.00
Train 2								
Planned unavailable hours	8.80	16.00	0	7.70	0.90	7.50	13.20	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	2151.70	1937.50	2208.00	2209.00	2160.00	1274.10	2165.50	2209.00
Train 3								
Planned unavailable hours	3.20	0	5.20	7.90	0	0	5.20	0
Unplanned unavailable hours	0	0	3.00	0	0	73.00	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	2151.70	1937.50	2208.00	2209.00	2160.00	1274.10	2165.50	2209.00
Indicator value	0.4%	0.4%	0.4%	0.3%	0.3%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

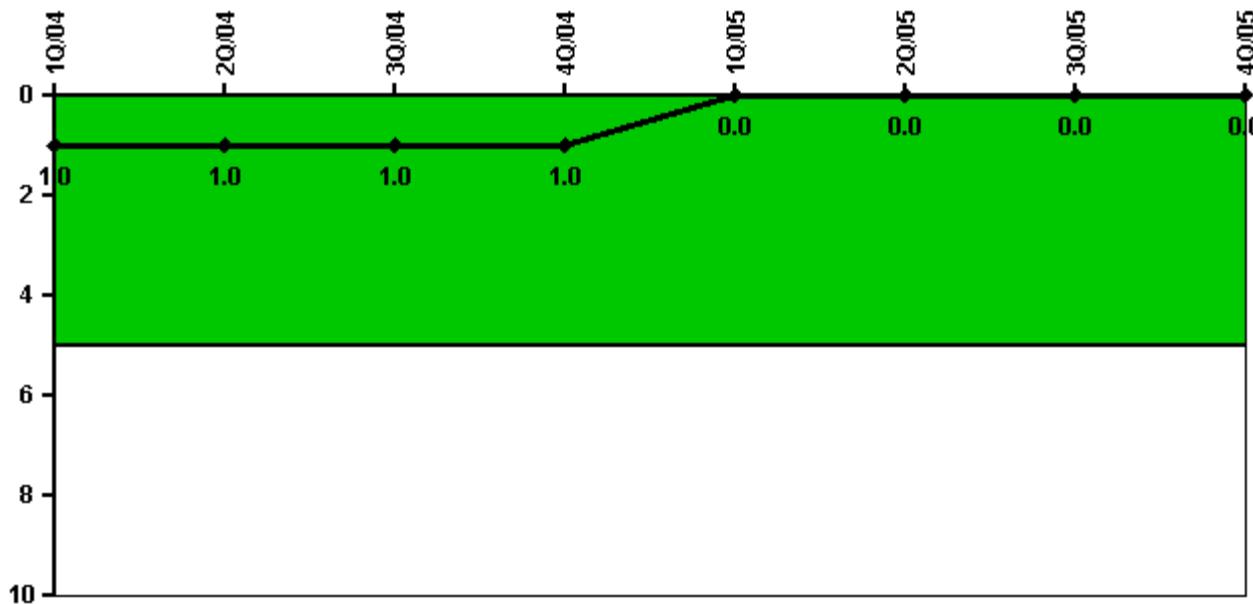


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	14.80	0	10.60	7.00	10.70	0	15.80	7.90
Unplanned unavailable hours	0	0	0	8.50	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	8.90	7.30	10.00	10.80	6.30	9.90	11.10	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	0.4%	0.3%						

Licensee Comments: none

Safety System Functional Failures (PWR)

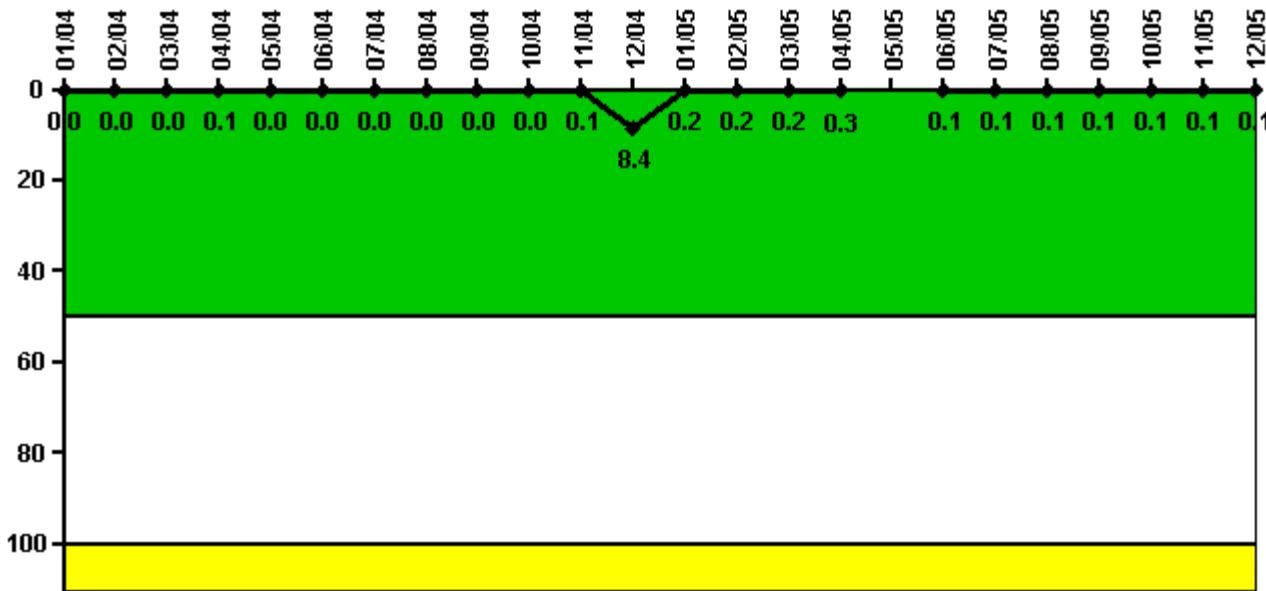
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

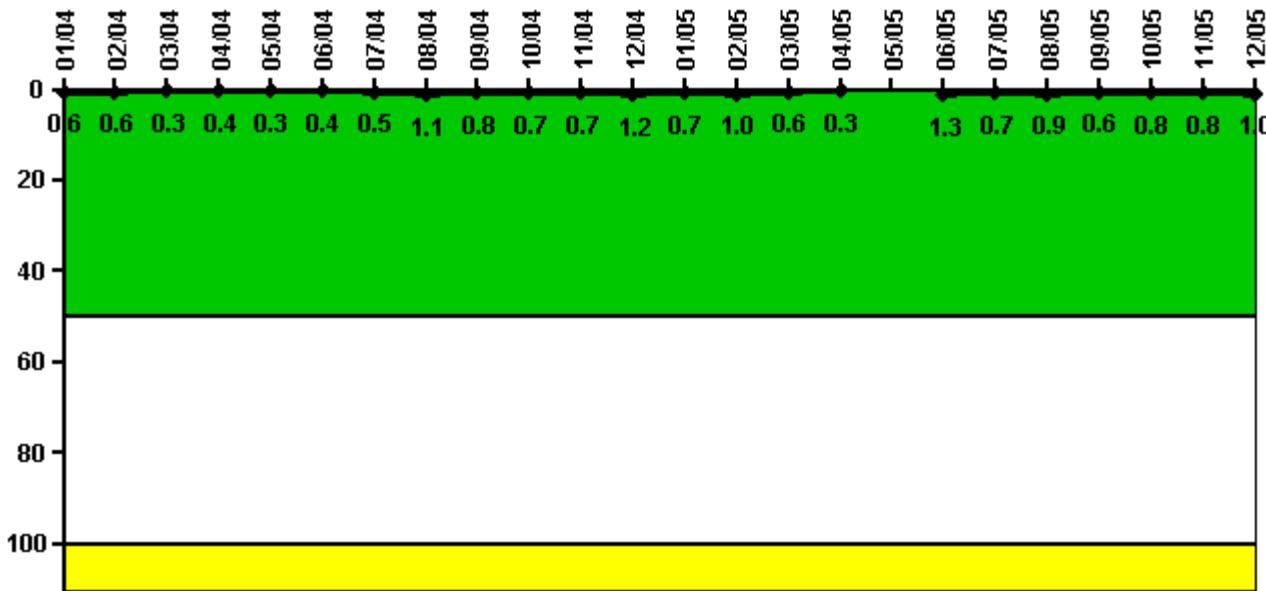
Notes

Reactor Coolant System Activity	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	0.000164	0.000221	0.000195	0.000757	0.000180	0.000233	0.000262	0.000246	0.000300	0.000341	0.000564	0.084100
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0.1	0	0	0	0	0	0	0.1	8.4

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	0.002010	0.002160	0.002290	0.002980	N/A	0.001050	0.000541	0.000556	0.000879	0.001100	0.001070	0.001150
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.2	0.2	0.2	0.3	N/A	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



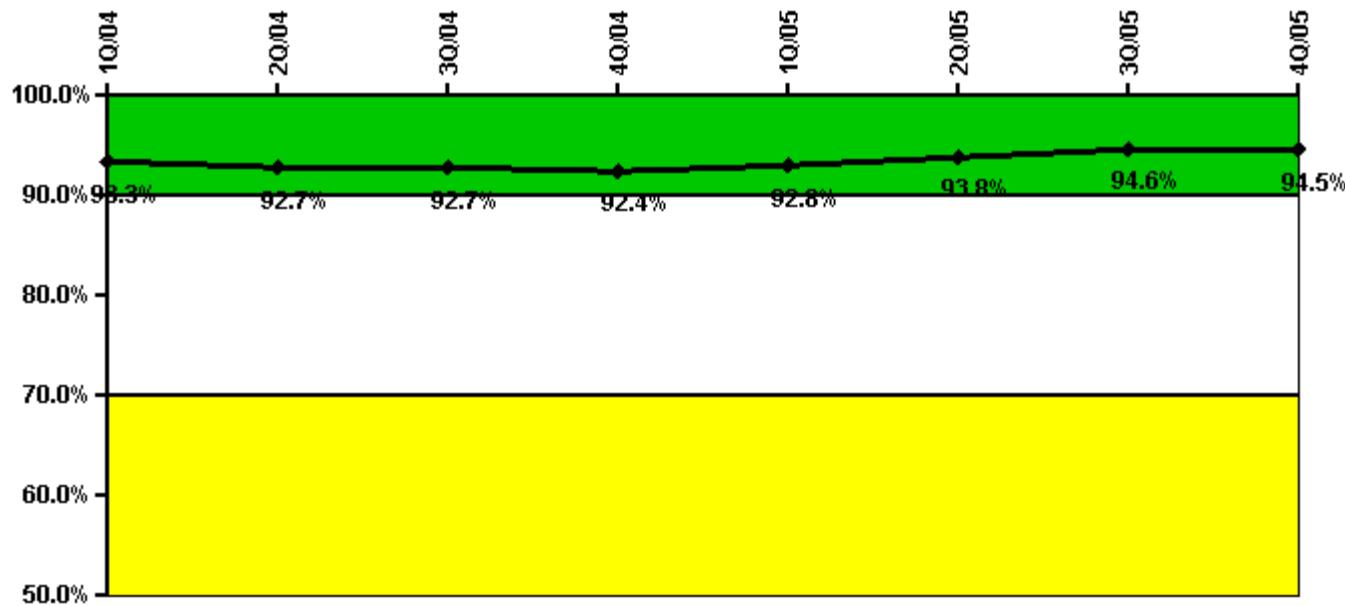
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum leakage	0.060	0.060	0.030	0.040	0.030	0.040	0.050	0.110	0.080	0.070	0.070	0.120
Indicator value	0.6	0.6	0.3	0.4	0.3	0.4	0.5	1.1	0.8	0.7	0.7	1.2
Reactor Coolant System Leakage	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum leakage	0.070	0.100	0.060	0.030	N/A	0.130	0.070	0.090	0.060	0.080	0.080	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.7	1.0	0.6	0.3	N/A	1.3	0.7	0.9	0.6	0.8	0.8	1.0

Licensee Comments: none

Drill/Exercise Performance



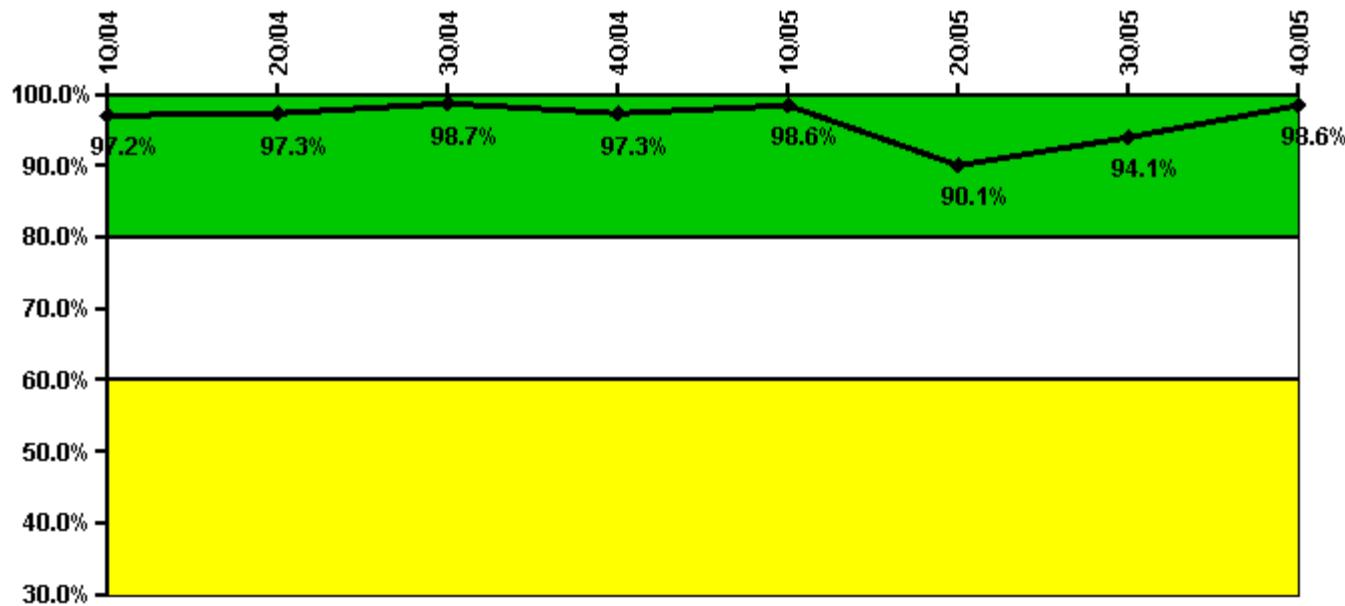
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful opportunities	58.0	26.0	31.0	7.0	48.0	41.0	53.0	11.0
Total opportunities	61.0	28.0	35.0	8.0	50.0	42.0	55.0	12.0
Indicator value	93.3%	92.7%	92.7%	92.4%	92.8%	93.8%	94.6%	94.5%

Licensee Comments: none

ERO Drill Participation



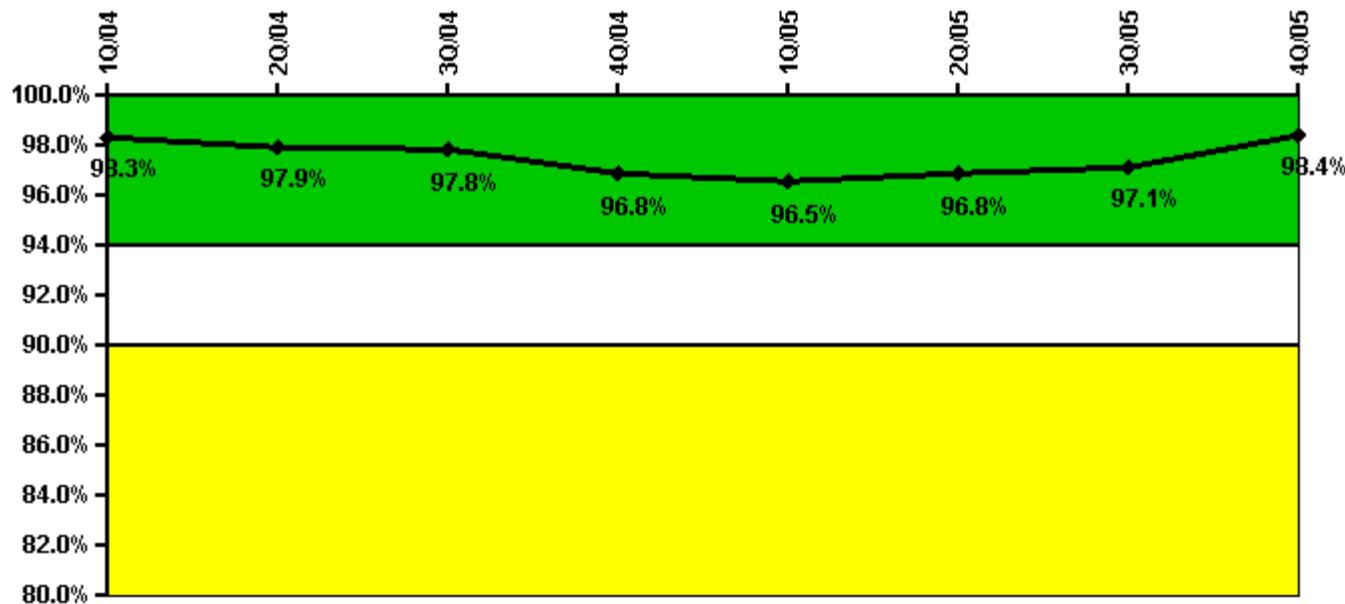
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Participating Key personnel	69.0	73.0	75.0	71.0	73.0	64.0	64.0	73.0
Total Key personnel	71.0	75.0	76.0	73.0	74.0	71.0	68.0	74.0
Indicator value	97.2%	97.3%	98.7%	97.3%	98.6%	90.1%	94.1%	98.6%

Licensee Comments: none

Alert & Notification System

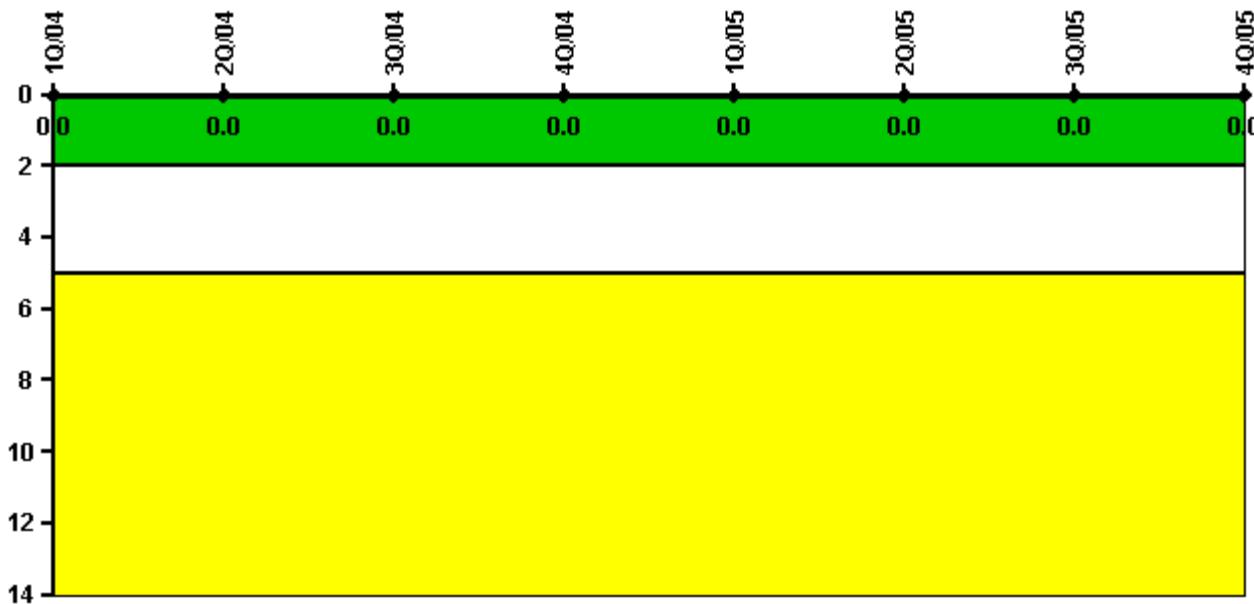


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful siren-tests	1674	1644	1638	1480	1656	840	731	823
Total sirens-tests	1696	1696	1691	1566	1696	846	742	832
Indicator value	98.3%	97.9%	97.8%	96.8%	96.5%	96.8%	97.1%	98.4%

Licensee Comments: none

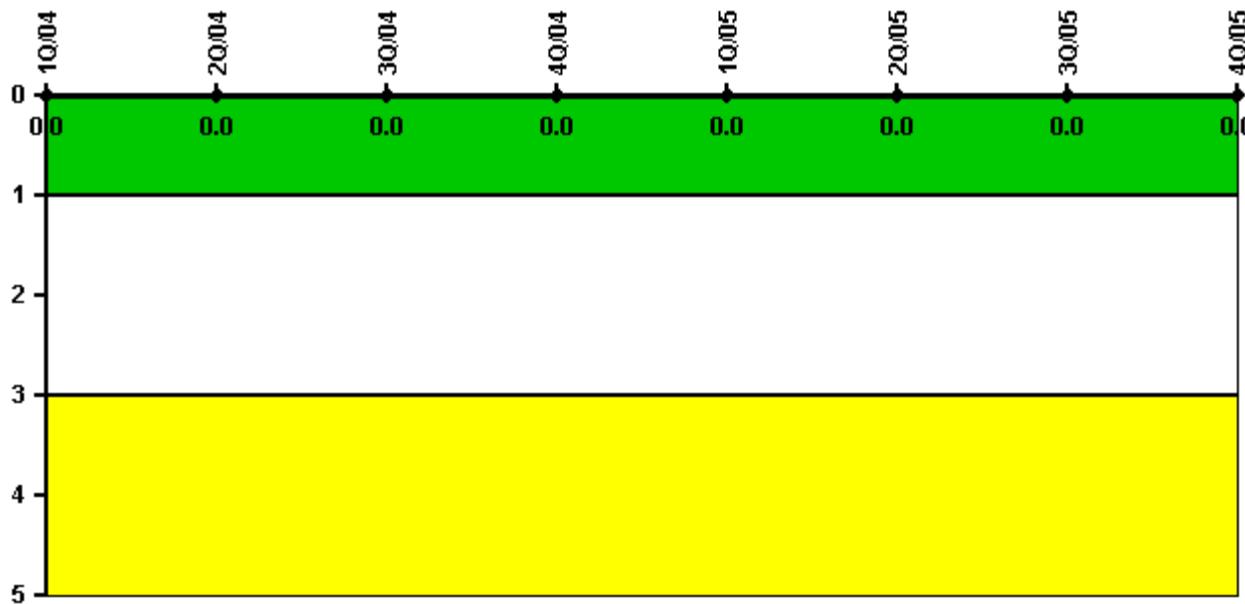
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

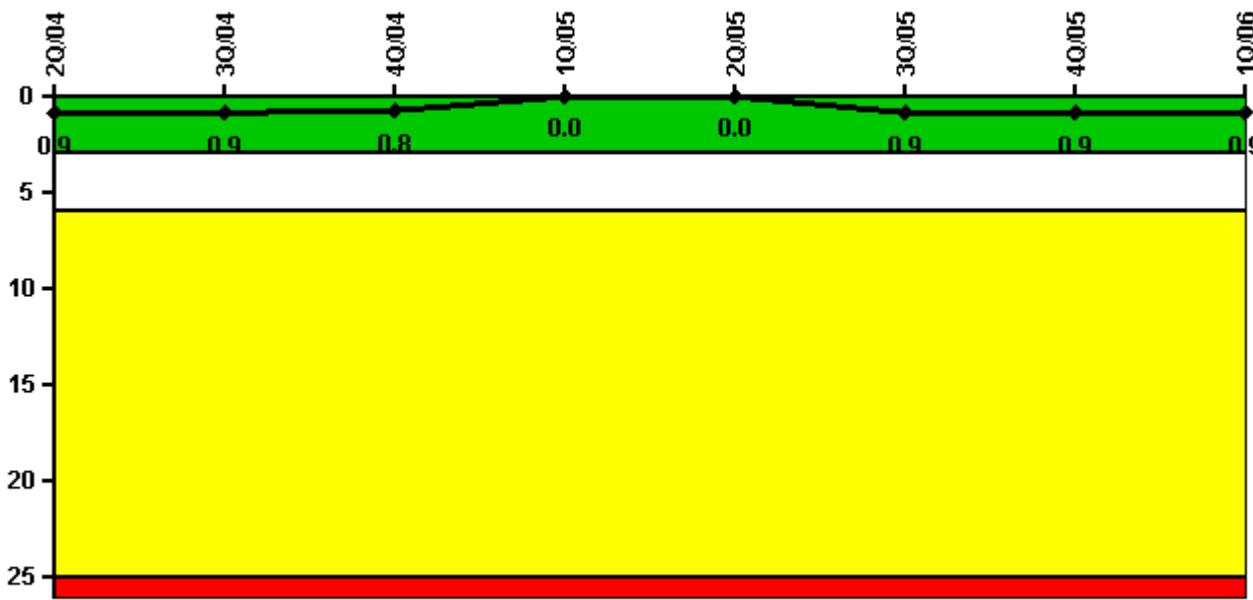


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: January 30, 2006

Summer**1Q/2006 Performance Indicators**

Licensee's General Comments: none

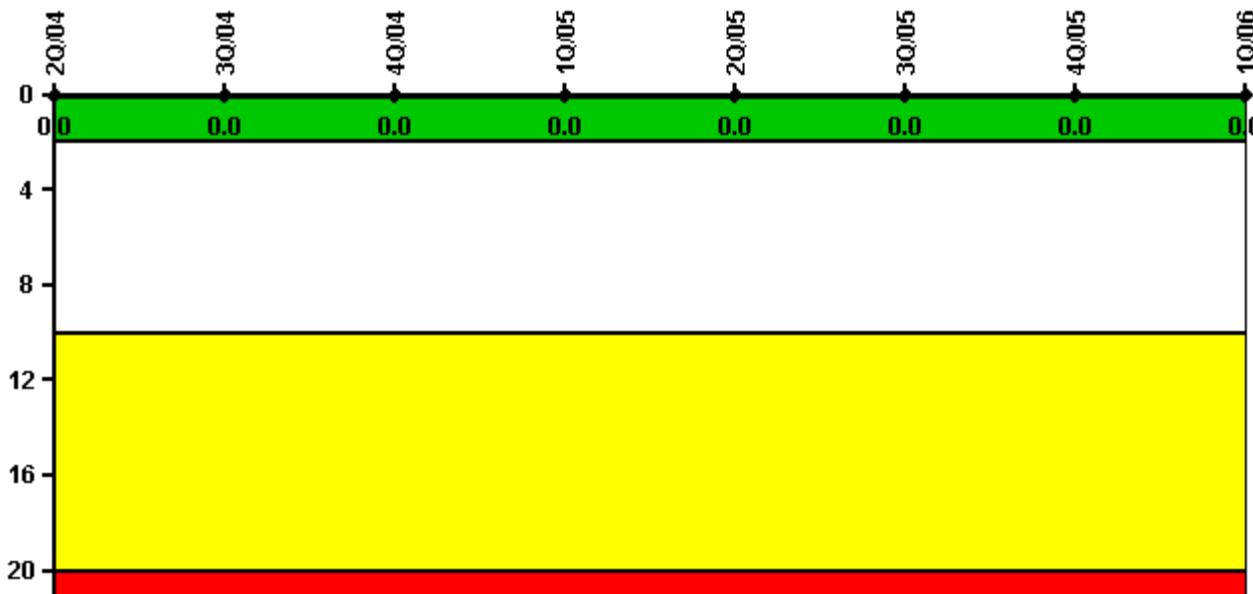
Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	1937.5	2208.0	2209.0	2160.0	1253.3	2165.1	2209.0	2160.0
Indicator value	0.9	0.9	0.8	0	0	0.9	0.9	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

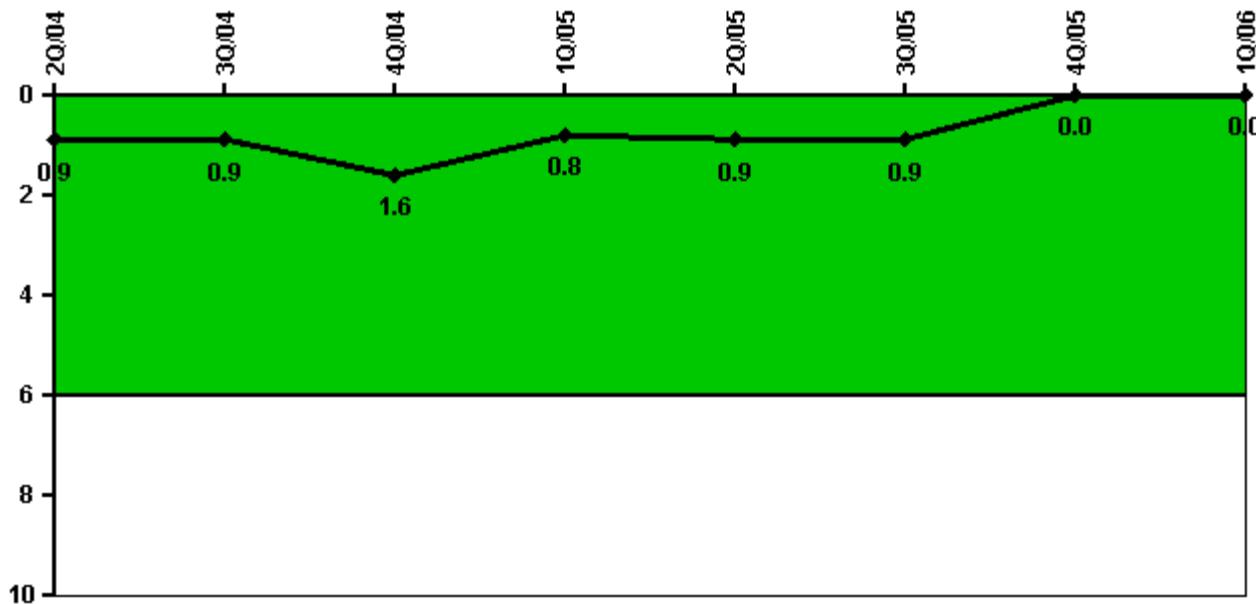
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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



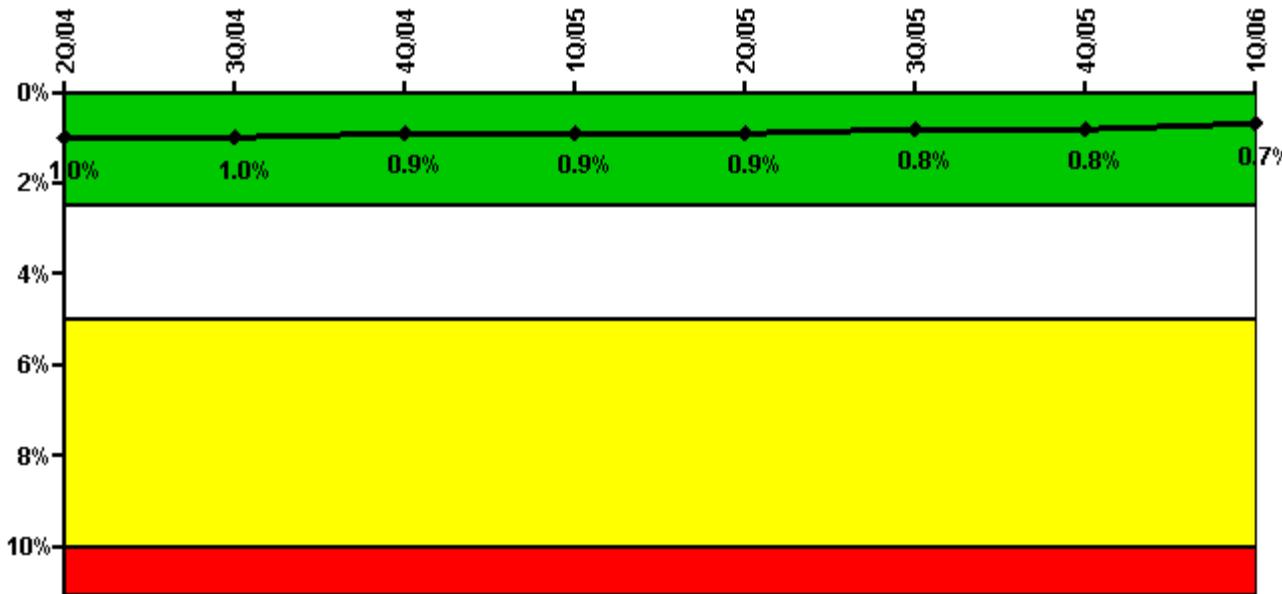
Thresholds: White > 6.0

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	0	0	1.0	0	0	0	0	0
Critical hours	1937.5	2208.0	2209.0	2160.0	1253.3	2165.1	2209.0	2160.0
Indicator value	0.9	0.9	1.6	0.8	0.9	0.9	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



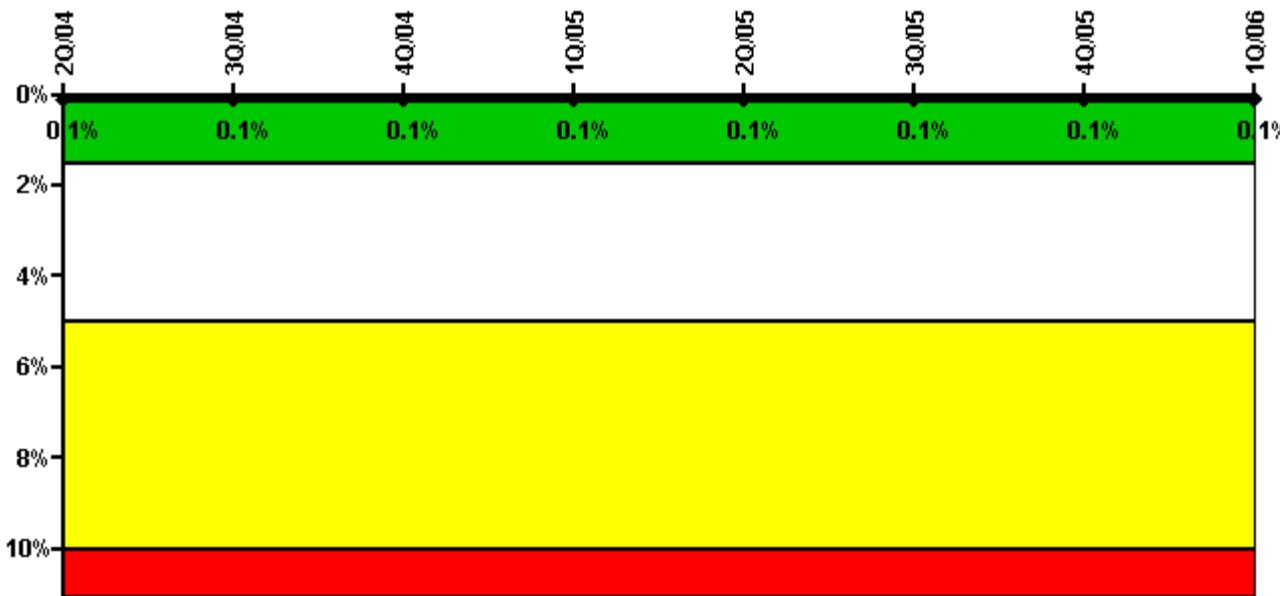
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	13.90	12.40	13.80	13.40	0.40	14.10	34.60	15.70
Unplanned unavailable hours	0	0	0	5.60	0	9.90	2.40	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	13.80	7.20	10.50	13.40	0.40	10.40	42.38	25.60
Unplanned unavailable hours	0	0	0	8.90	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	1.0%	1.0%	0.9%	0.9%	0.9%	0.8%	0.8%	0.7%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



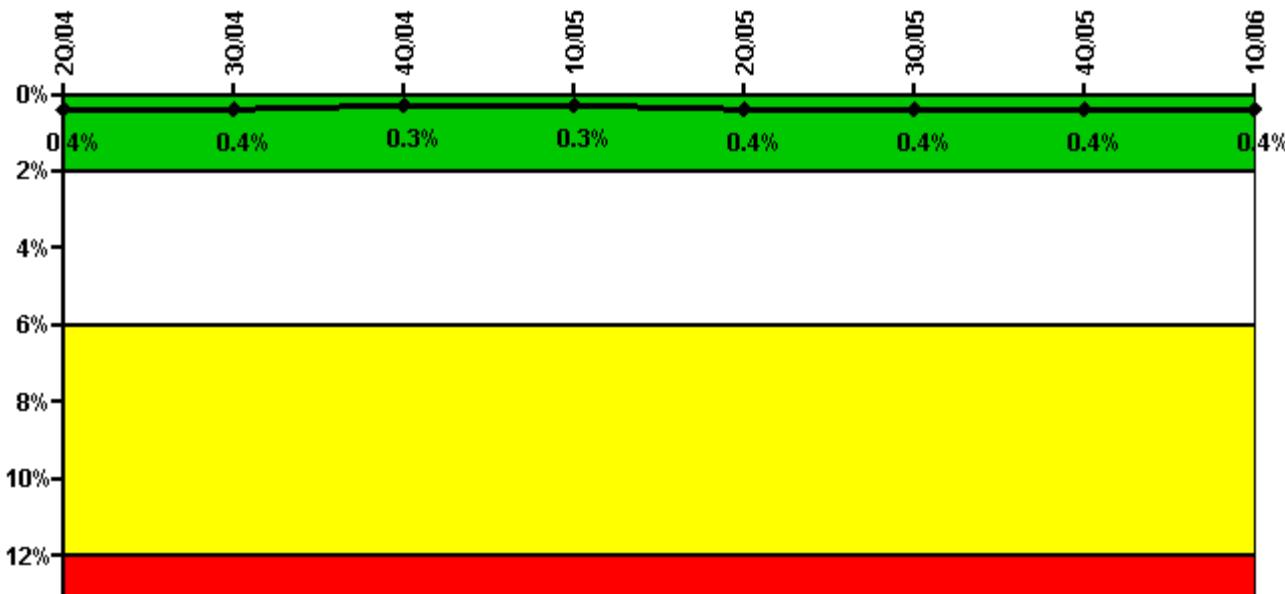
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1937.50	2208.00	2209.00	2160.00	1274.10	2165.50	2209.00	2160.00
Train 2								
Planned unavailable hours	0.50	0.50	0.50	0.25	0.25	0.25	0.25	0.25
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1937.50	2208.00	2209.00	2160.00	1274.10	2165.50	2209.00	2160.00
Indicator value	0.1%							

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



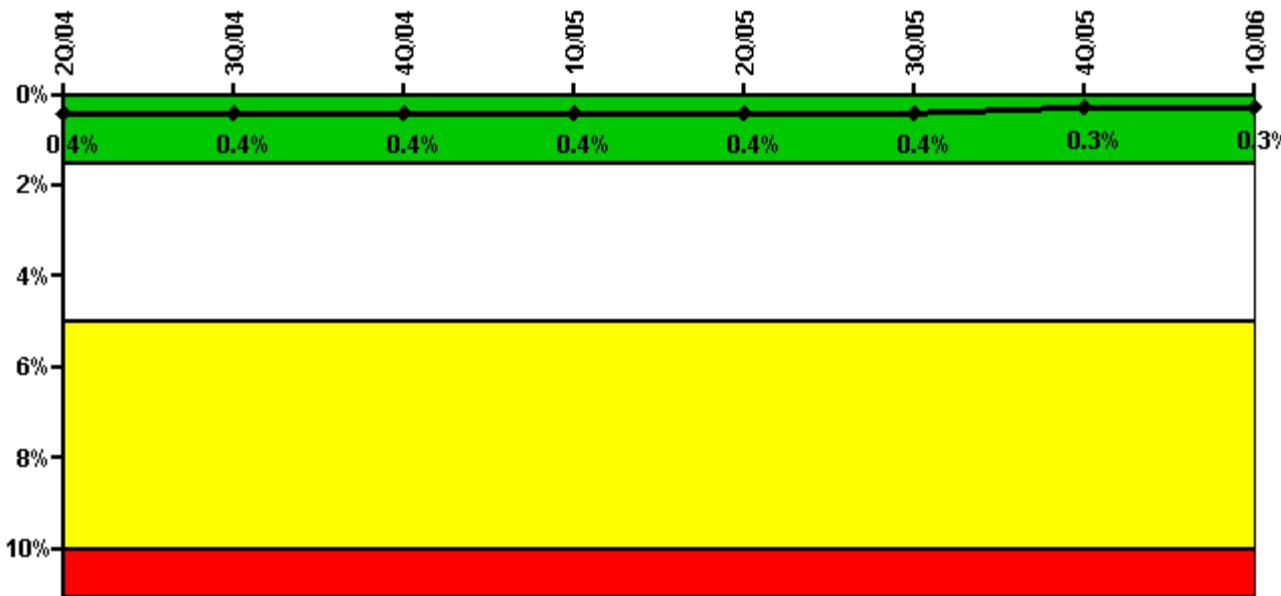
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	0	10.40	14.80	0	13.40	0	0	6.80
Unplanned unavailable hours	0	0	0	0	4.30	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	1937.50	2208.00	2209.00	2160.00	1274.10	2165.50	2209.00	2160.00
Train 2								
Planned unavailable hours	16.00	0	7.70	0.90	7.50	13.20	0	8.30
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1937.50	2208.00	2209.00	2160.00	1274.10	2165.50	2209.00	2160.00
Train 3								
Planned unavailable hours	0	5.20	7.90	0	0	5.20	0	10.50
Unplanned unavailable hours	0	3.00	0	0	73.00	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	1937.50	2208.00	2209.00	2160.00	1274.10	2165.50	2209.00	2160.00
Indicator value	0.4%	0.4%	0.3%	0.3%	0.4%	0.4%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

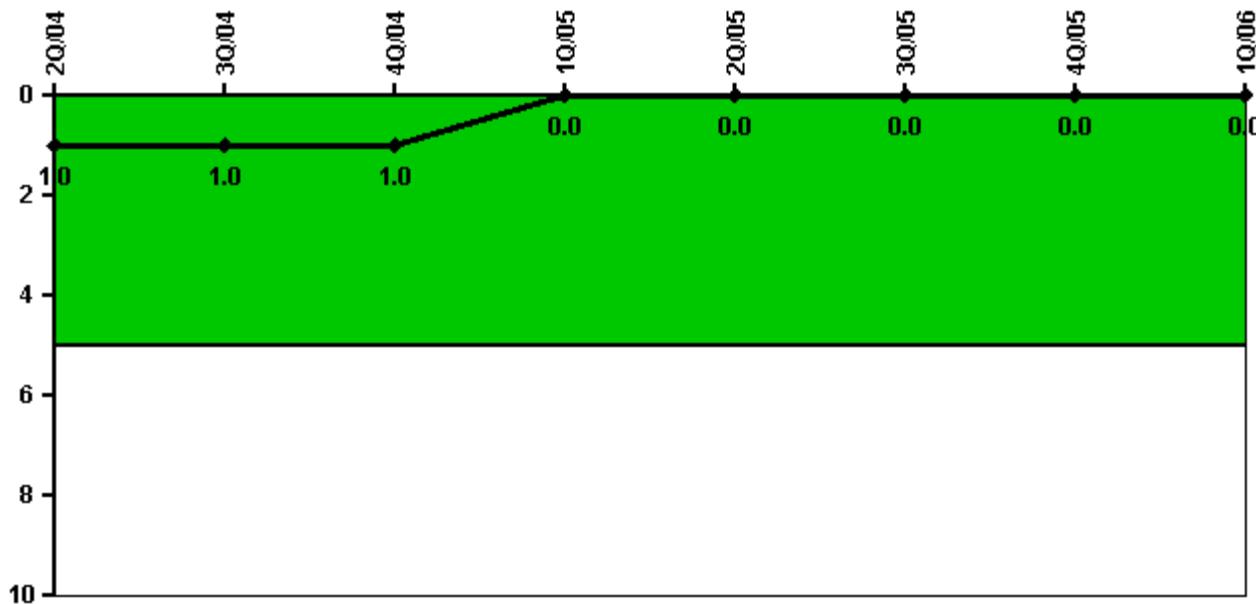


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	0	10.60	7.00	10.70	0	15.80	7.90	0
Unplanned unavailable hours	0	0	8.50	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	7.30	10.00	10.80	6.30	9.90	11.10	0	8.50
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.3%	0.3%

Licensee Comments: none

Safety System Functional Failures (PWR)

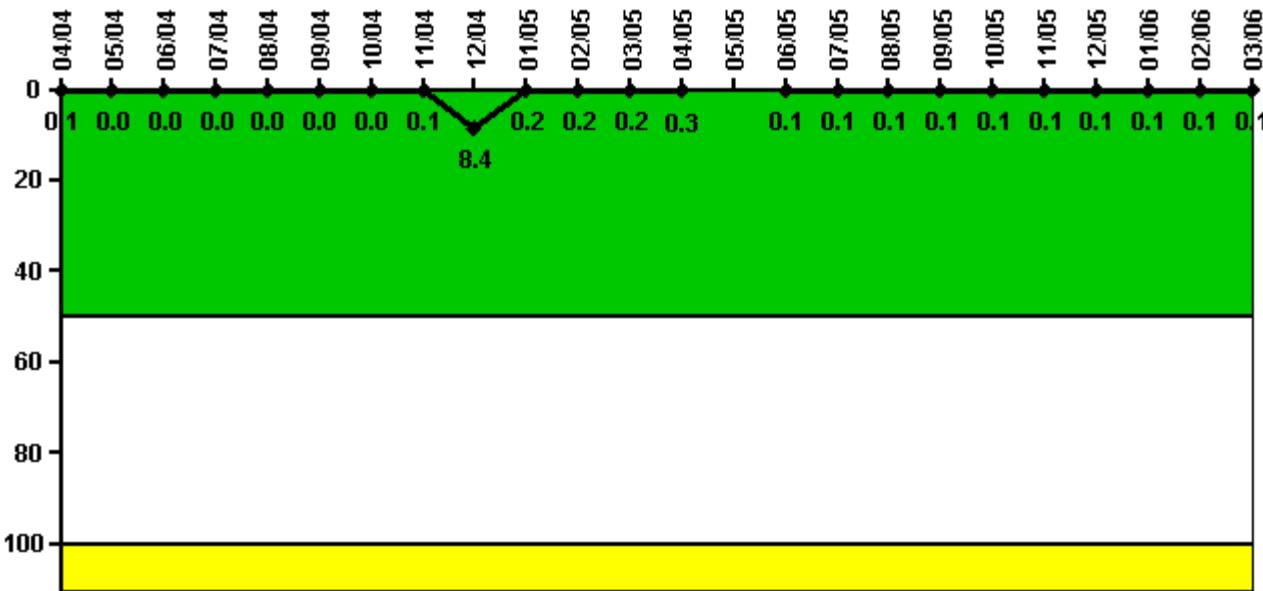
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

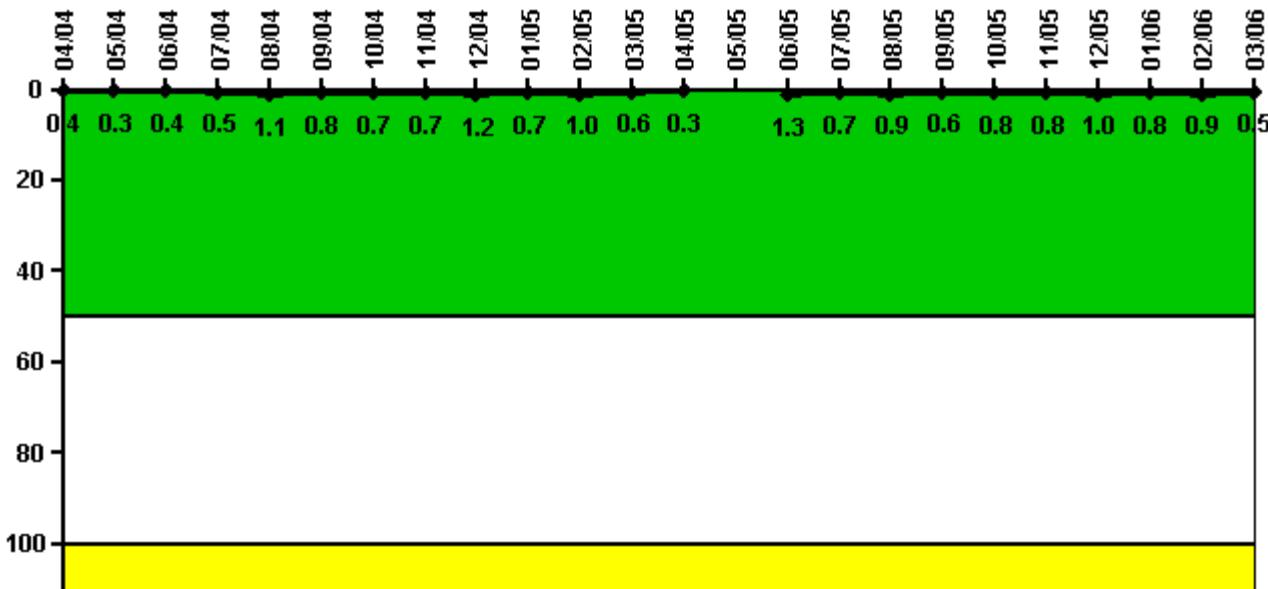
Notes

Reactor Coolant System Activity	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	0.000757	0.000180	0.000233	0.000262	0.000246	0.000300	0.000341	0.000564	0.084100	0.002010	0.002160	0.002290
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0	0	0	0	0	0	0.1	8.4	0.2	0.2	0.2

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	0.002980	N/A	0.001050	0.000541	0.000556	0.000879	0.001100	0.001070	0.001150	0.001190	0.001240	0.001250
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.3	N/A	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



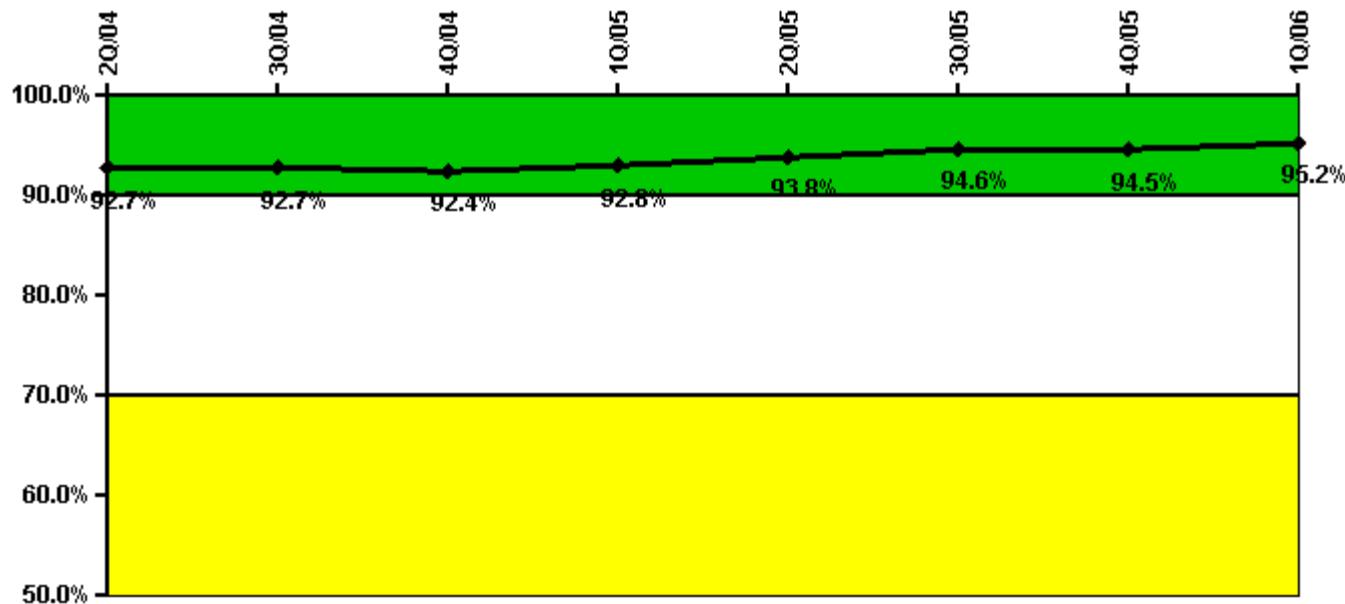
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum leakage	0.040	0.030	0.040	0.050	0.110	0.080	0.070	0.070	0.120	0.070	0.100	0.060
Indicator value	0.4	0.3	0.4	0.5	1.1	0.8	0.7	0.7	1.2	0.7	1.0	0.6
Reactor Coolant System Leakage	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum leakage	0.030	N/A	0.130	0.070	0.090	0.060	0.080	0.080	0.100	0.080	0.090	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	N/A	1.3	0.7	0.9	0.6	0.8	0.8	1.0	0.8	0.9	0.5

Licensee Comments: none

Drill/Exercise Performance



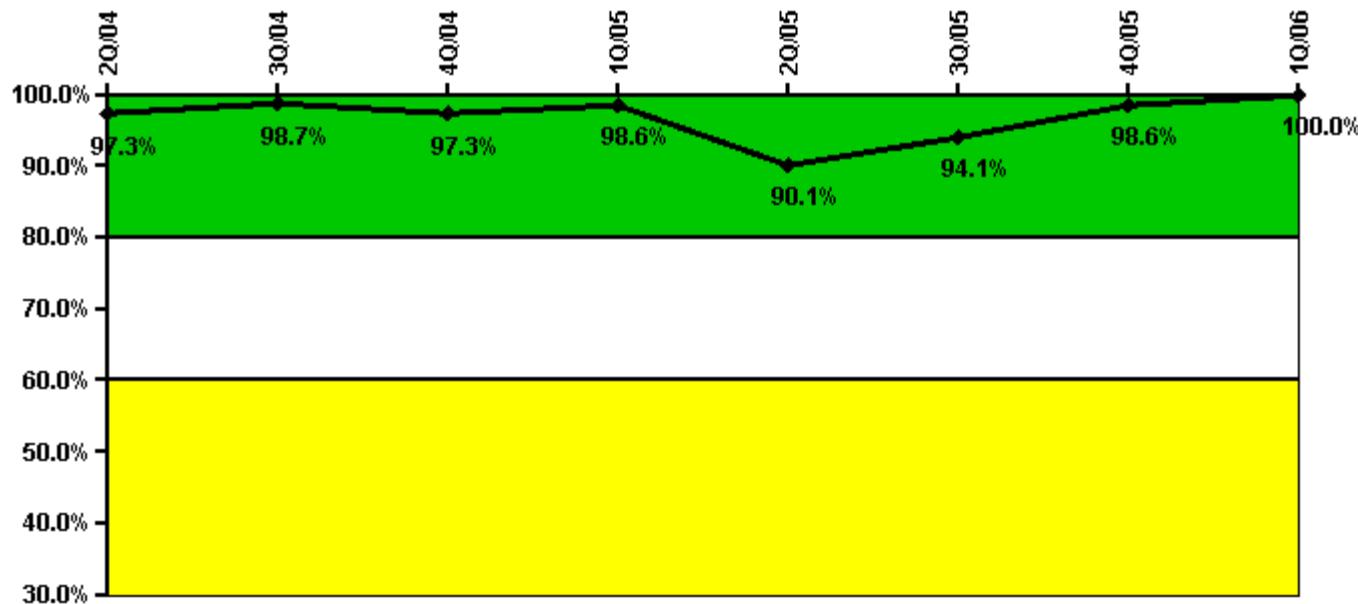
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful opportunities	26.0	31.0	7.0	48.0	41.0	53.0	11.0	58.0
Total opportunities	28.0	35.0	8.0	50.0	42.0	55.0	12.0	59.0
Indicator value	92.7%	92.7%	92.4%	92.8%	93.8%	94.6%	94.5%	95.2%

Licensee Comments: none

ERO Drill Participation



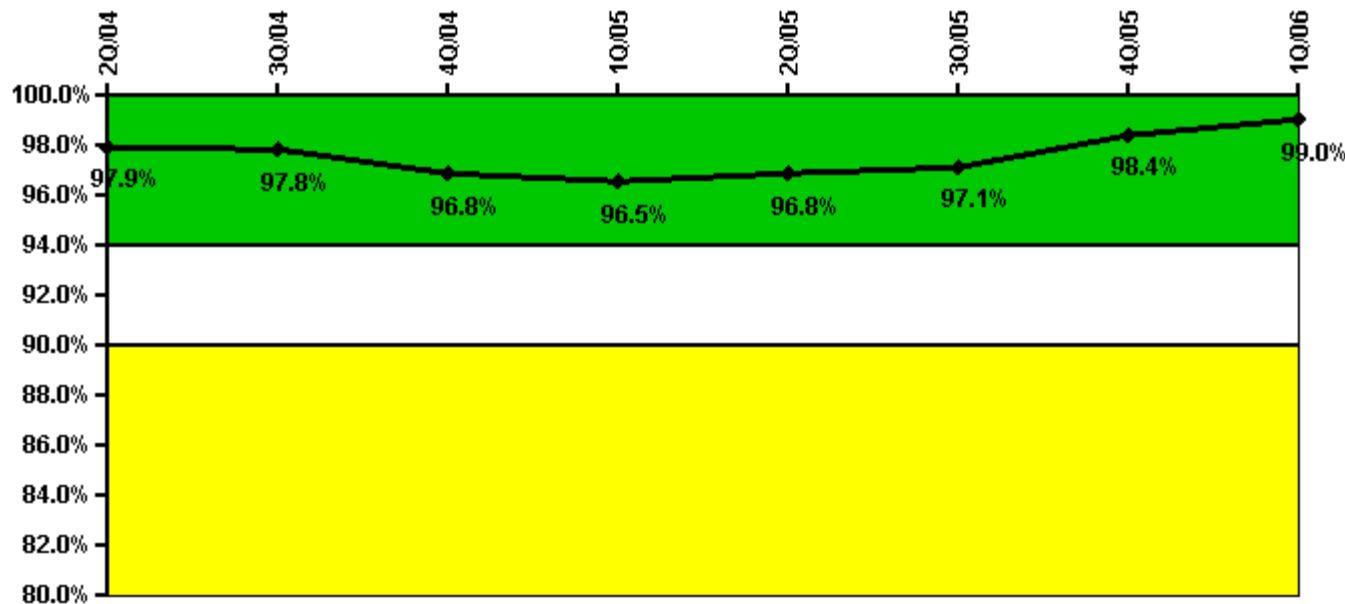
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Participating Key personnel	73.0	75.0	71.0	73.0	64.0	64.0	73.0	75.0
Total Key personnel	75.0	76.0	73.0	74.0	71.0	68.0	74.0	75.0
Indicator value	97.3%	98.7%	97.3%	98.6%	90.1%	94.1%	98.6%	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	1644	1638	1480	1656	840	731	823	737
Total sirens-tests	1696	1691	1566	1696	846	742	832	742
Indicator value	97.9%	97.8%	96.8%	96.5%	96.8%	97.1%	98.4%	99.0%

Licensee Comments: none

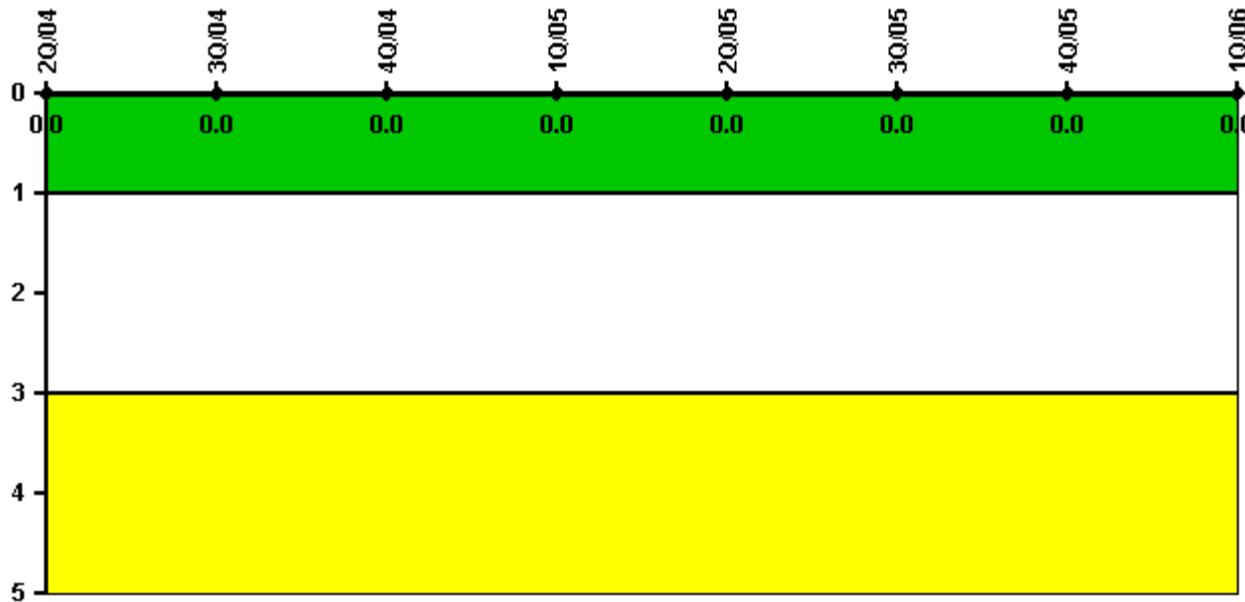
Occupational Exposure Control Effectiveness

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							

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							

Licensee Comments: none

[Physical Protection](#) information not publicly available.

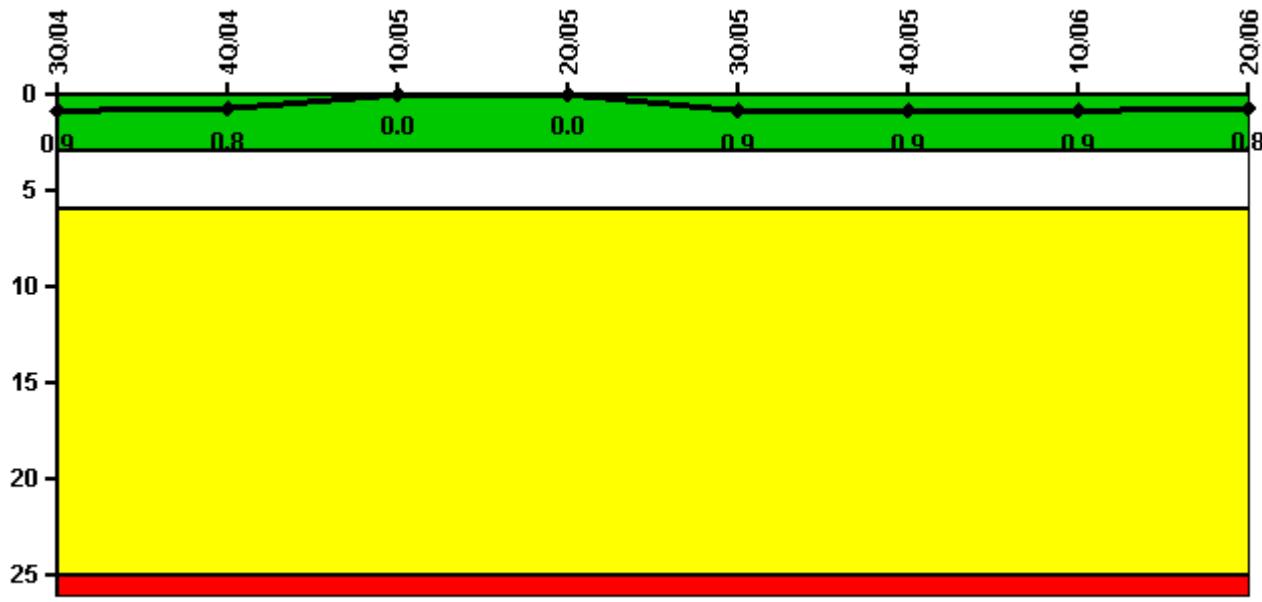


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: May 5, 2006

Summer**2Q/2006 Performance Indicators**

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2208.0	2209.0	2160.0	1253.3	2165.1	2209.0	2160.0	2183.0
Indicator value	0.9	0.8	0	0	0.9	0.9	0.9	0.8

Licensee Comments: none

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Scrams with Loss of Normal Heat Removal

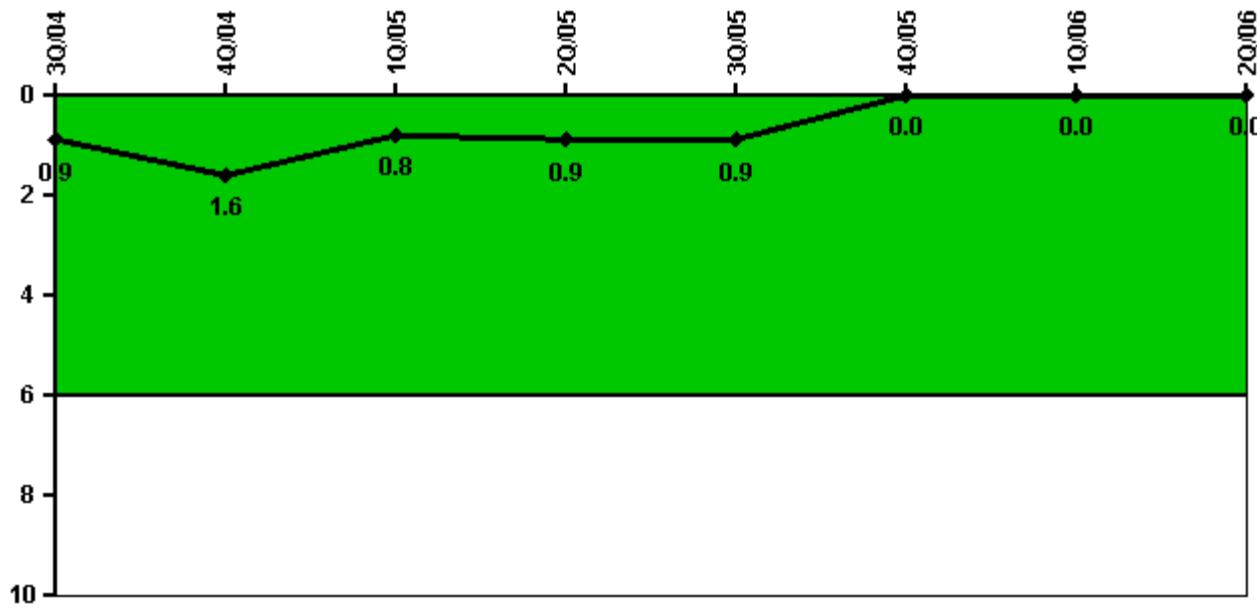
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

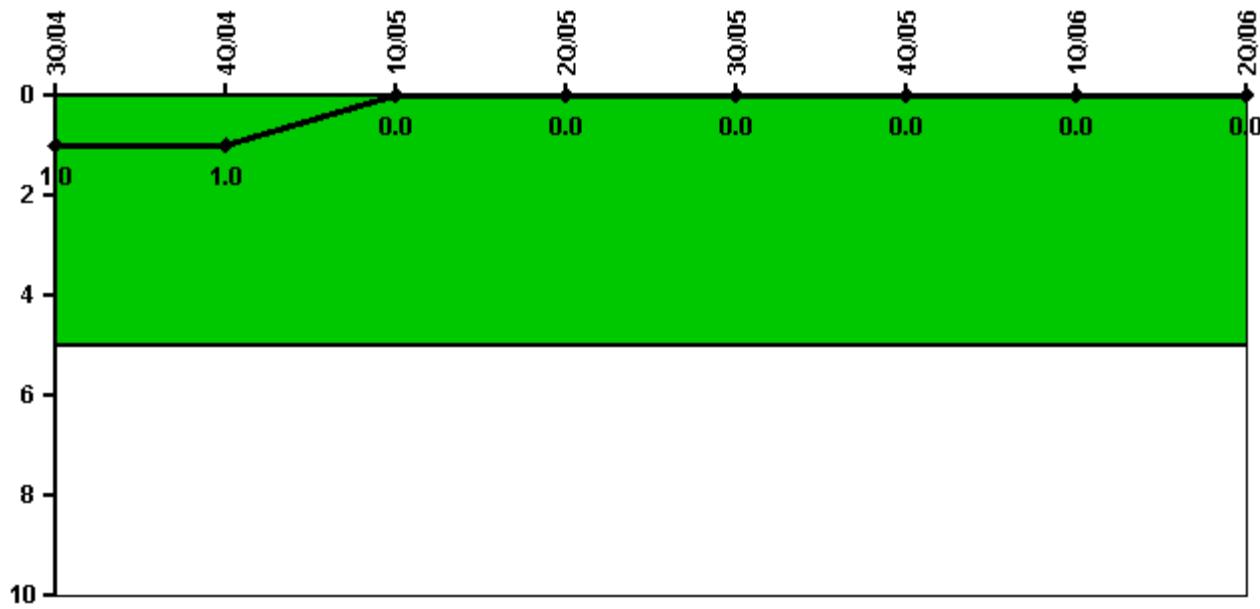


Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2160.0	1253.3	2165.1	2209.0	2160.0	2183.0
Indicator value	0.9	1.6	0.8	0.9	0.9	0	0	0

Licensee Comments: none

Safety System Functional Failures (PWR)

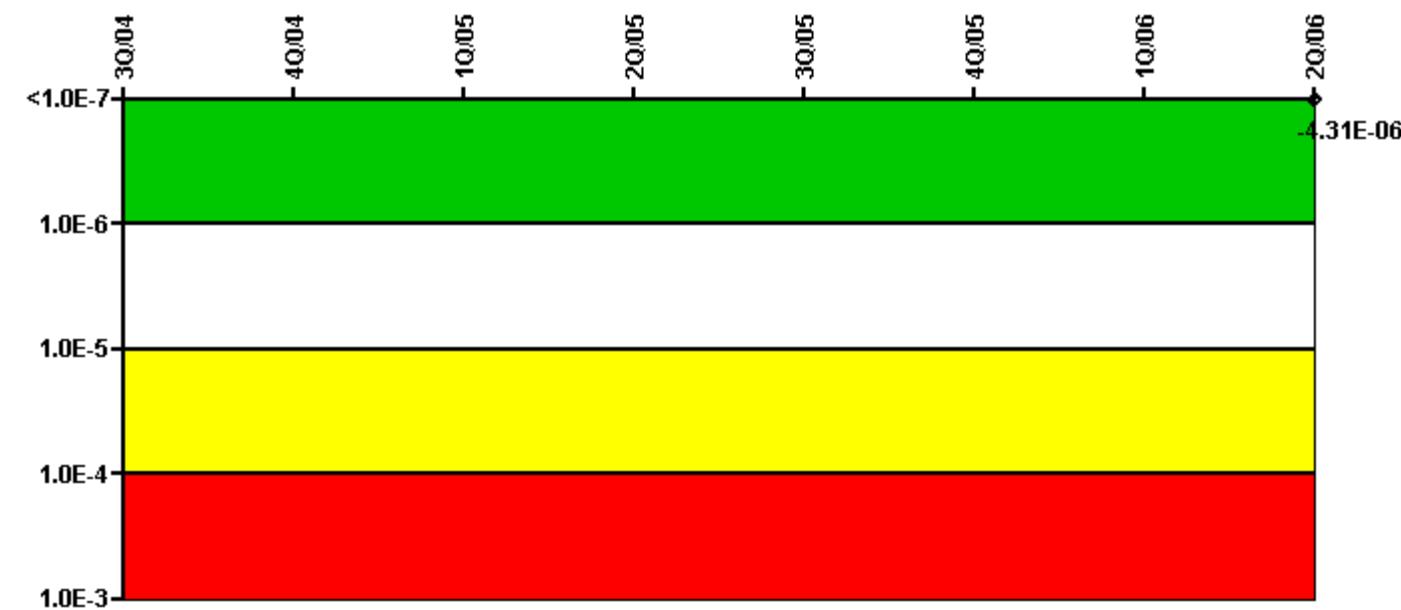
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



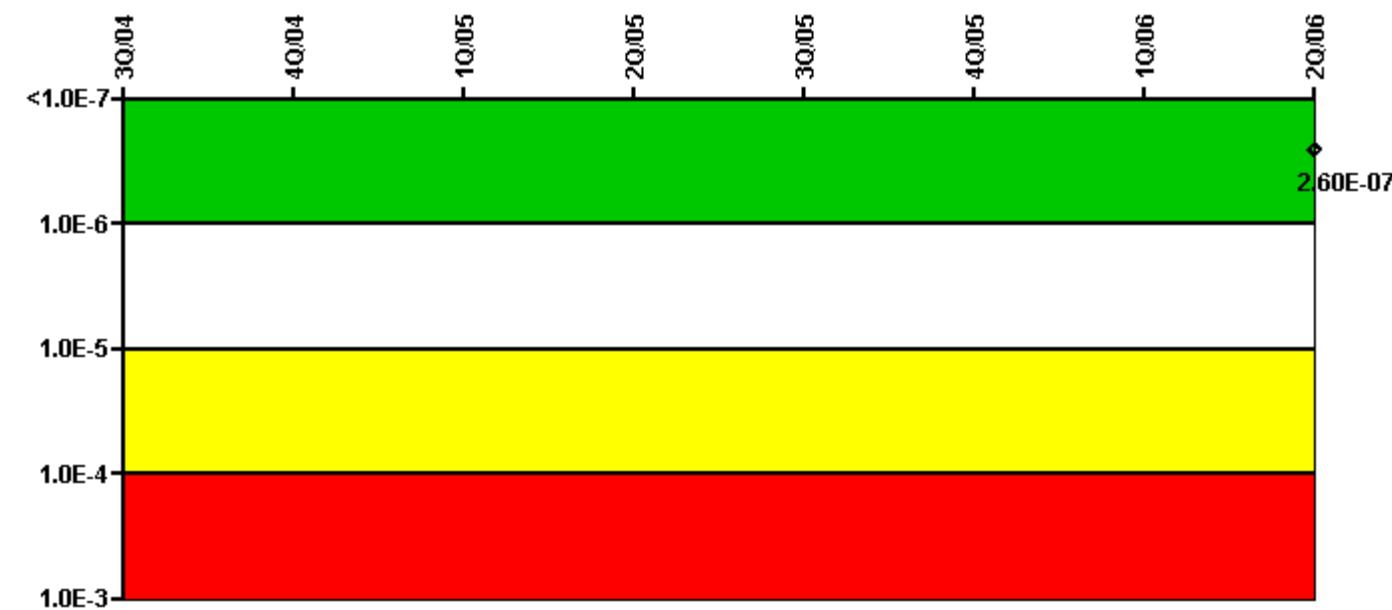
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (Δ CDF)								-1.10E-07
URI (Δ CDF)								-4.20E-06
PLE								NO
Indicator value								-4.31E-06

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



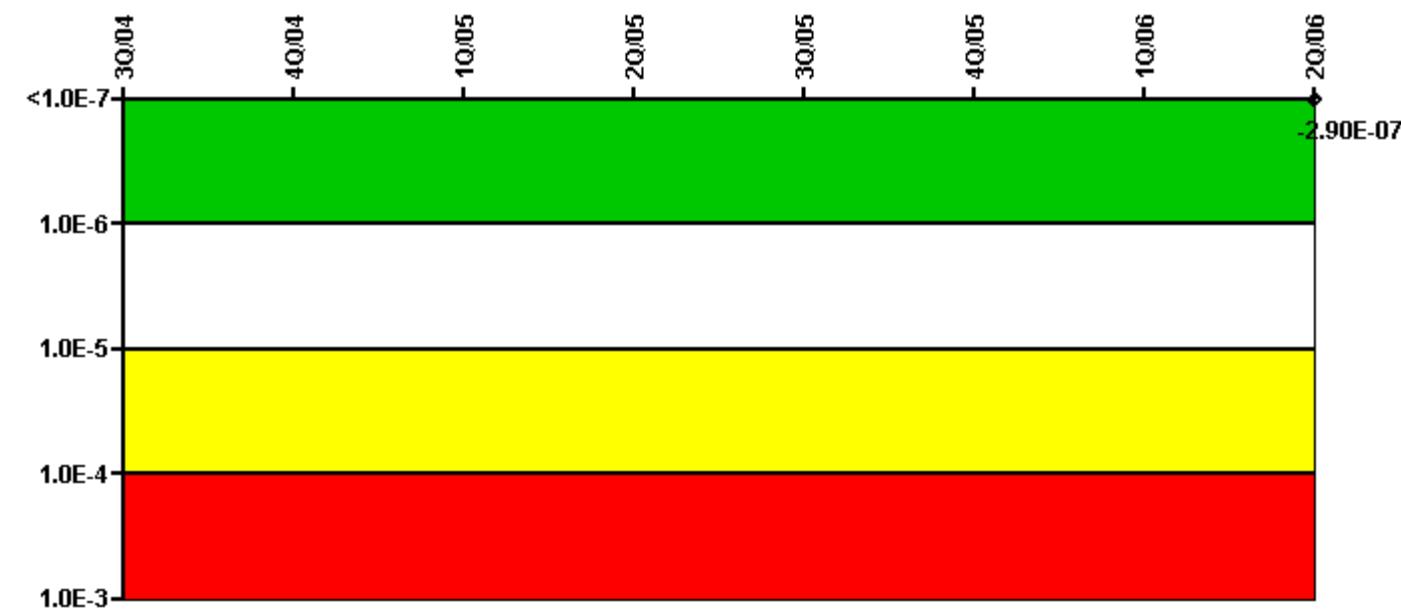
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (Δ CDF)								-2.00E-08
URI (Δ CDF)								2.80E-07
PLE								NO
Indicator value								2.60E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



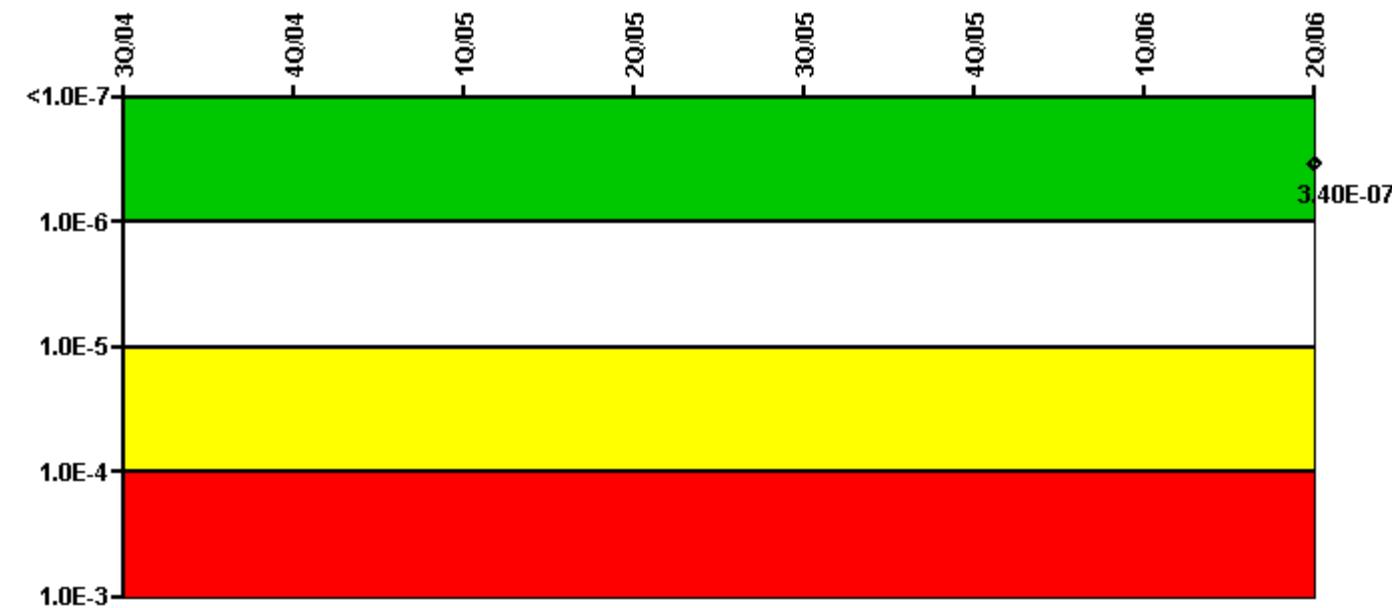
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (Δ CDF)								2.50E-07
URI (Δ CDF)								-5.40E-07
PLE								NO
Indicator value								-2.90E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



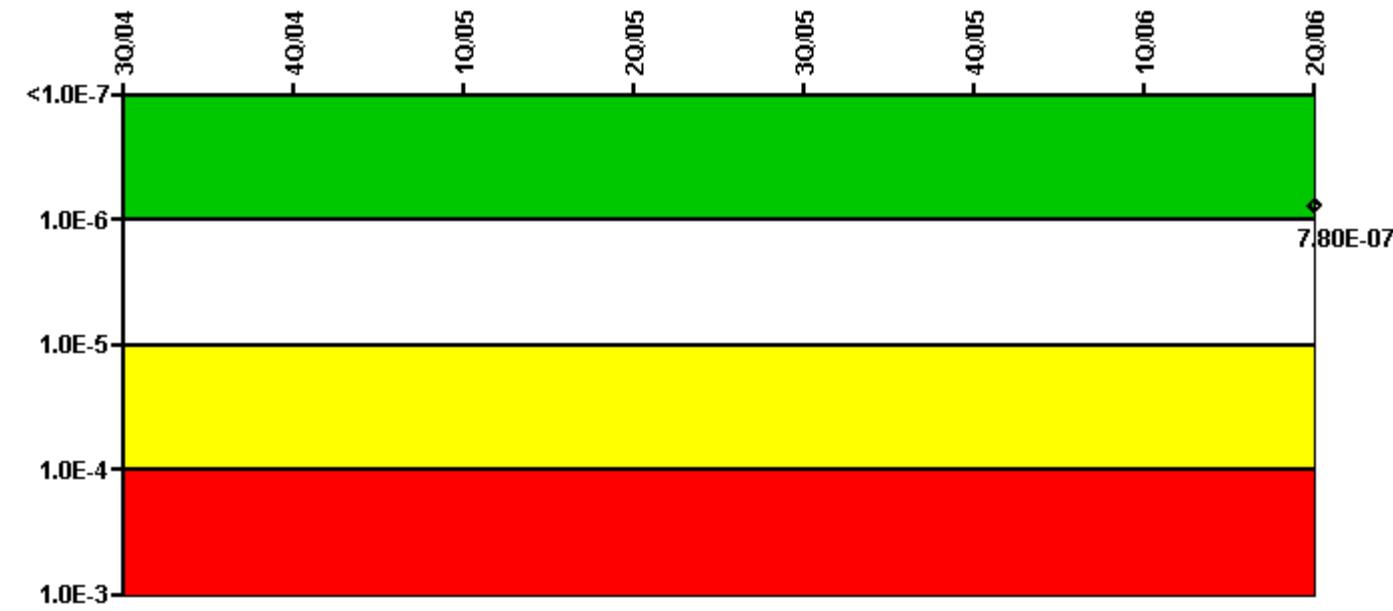
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (Δ CDF)								-2.00E-08
URI (Δ CDF)								3.60E-07
PLE								NO
Indicator value								3.40E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



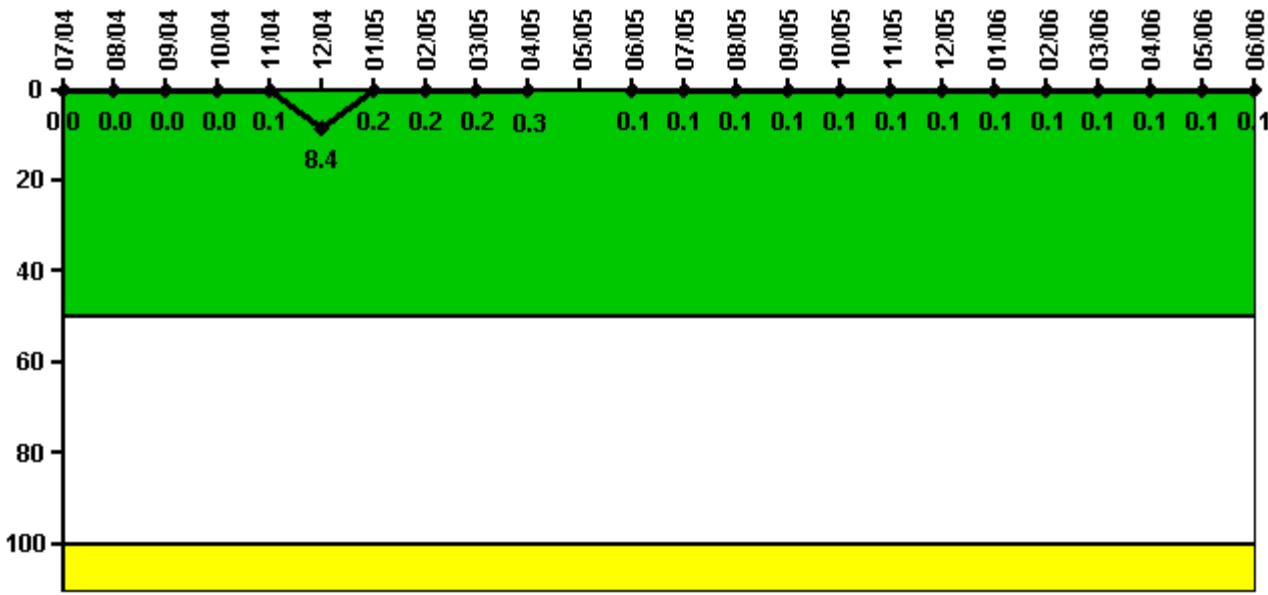
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (Δ CDF)								9.80E-09
URI (Δ CDF)								7.70E-07
PLE								NO
Indicator value								7.80E-07

Licensee Comments: none

Reactor Coolant System Activity



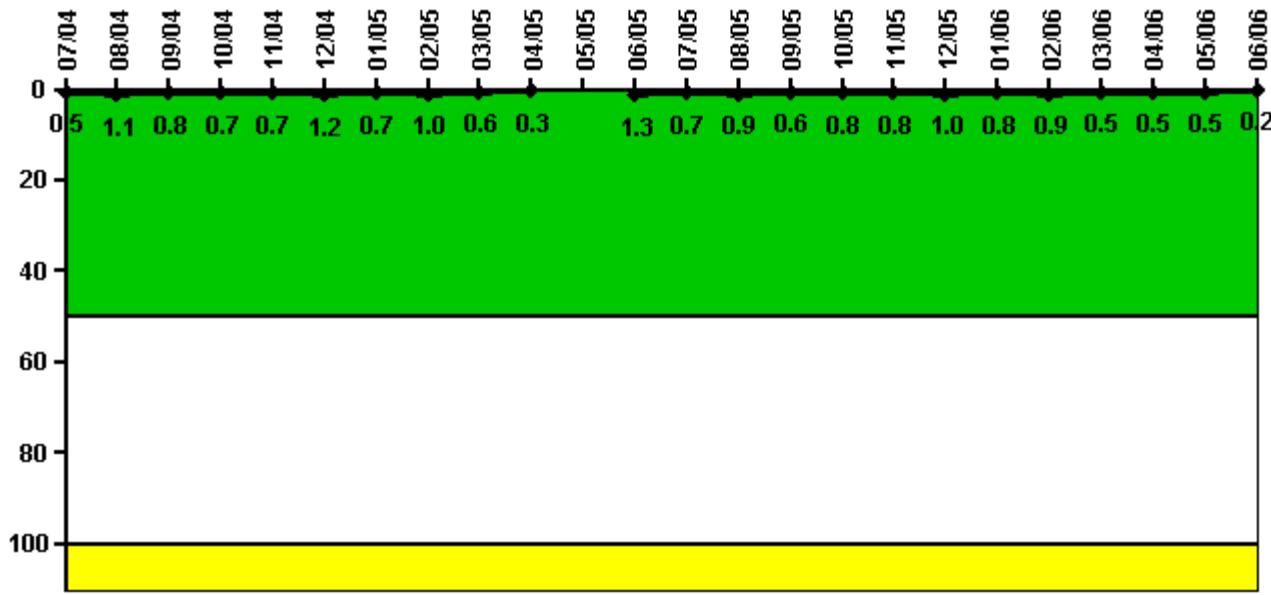
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum activity	0.000262	0.000246	0.000300	0.000341	0.000564	0.084100	0.002010	0.002160	0.002290	0.002980	N/A	0.001050
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	0.1	8.4	0.2	0.2	0.2	0.3	N/A	0.1
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	0.000541	0.000556	0.000879	0.001100	0.001070	0.001150	0.001190	0.001240	0.001250	0.001270	0.001340	0.001410
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



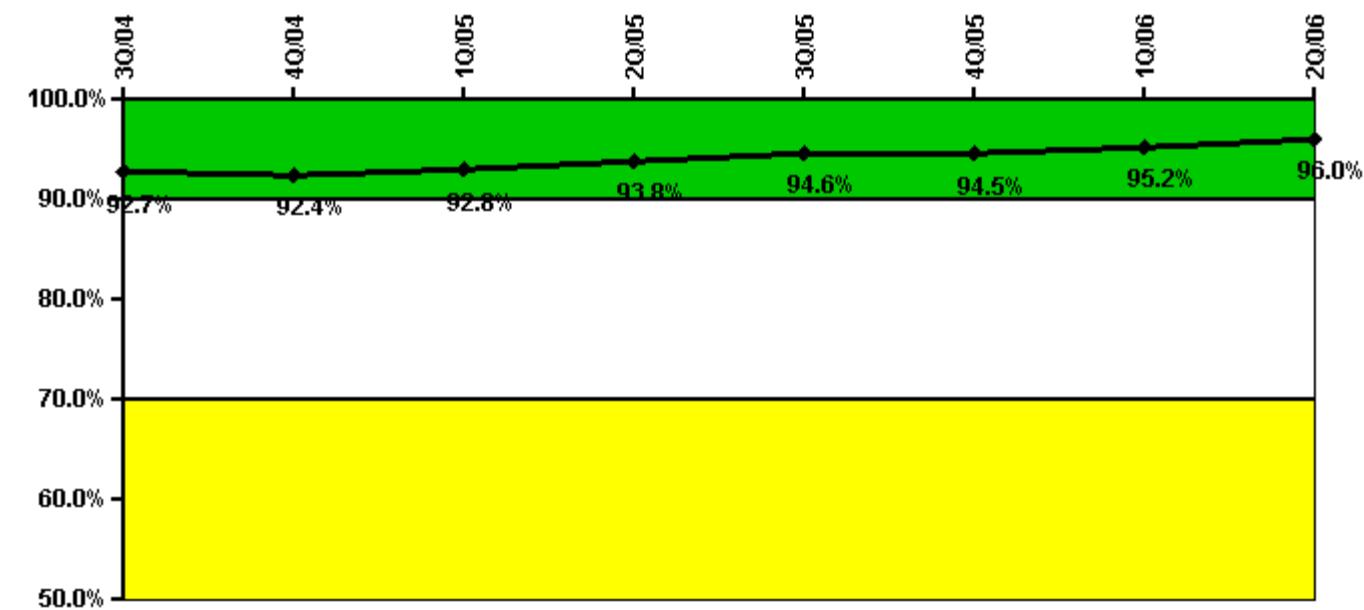
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum leakage	0.050	0.110	0.080	0.070	0.070	0.120	0.070	0.100	0.060	0.030	N/A	0.130
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	1.1	0.8	0.7	0.7	1.2	0.7	1.0	0.6	0.3	N/A	1.3
Reactor Coolant System Leakage	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum leakage	0.070	0.090	0.060	0.080	0.080	0.100	0.080	0.090	0.050	0.050	0.050	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.7	0.9	0.6	0.8	0.8	1.0	0.8	0.9	0.5	0.5	0.5	0.2

Licensee Comments: none

Drill/Exercise Performance



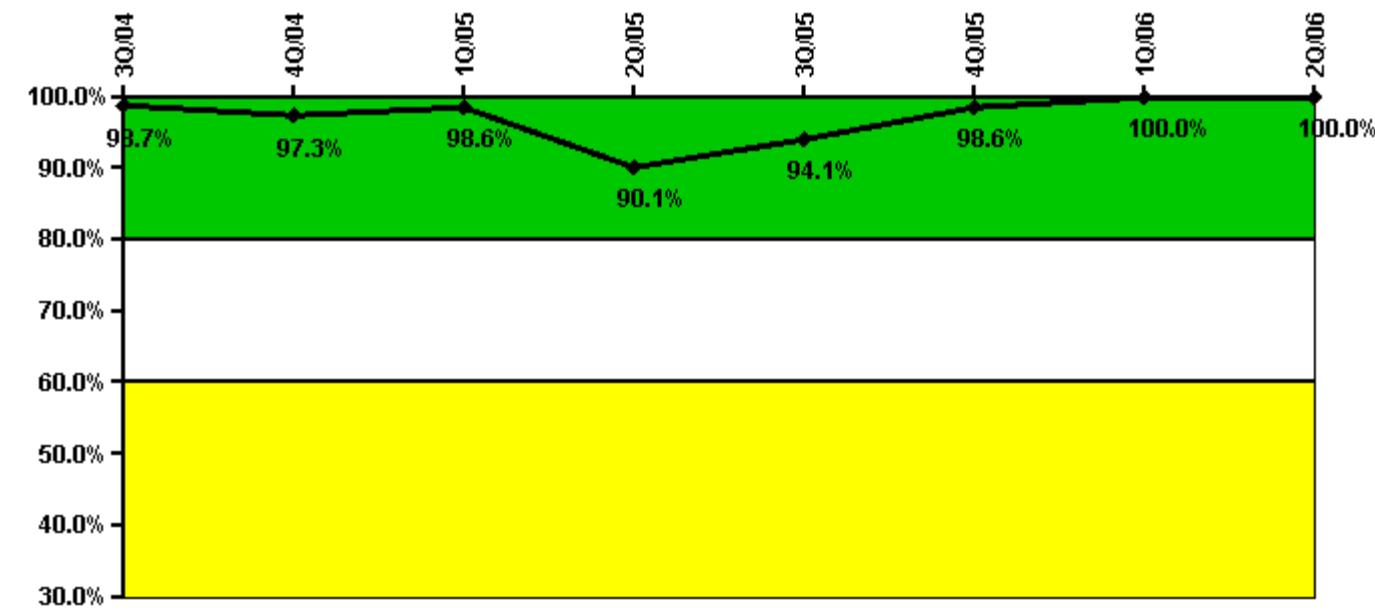
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful opportunities	31.0	7.0	48.0	41.0	53.0	11.0	58.0	38.0
Total opportunities	35.0	8.0	50.0	42.0	55.0	12.0	59.0	38.0
Indicator value	92.7%	92.4%	92.8%	93.8%	94.6%	94.5%	95.2%	96.0%

Licensee Comments: none

ERO Drill Participation



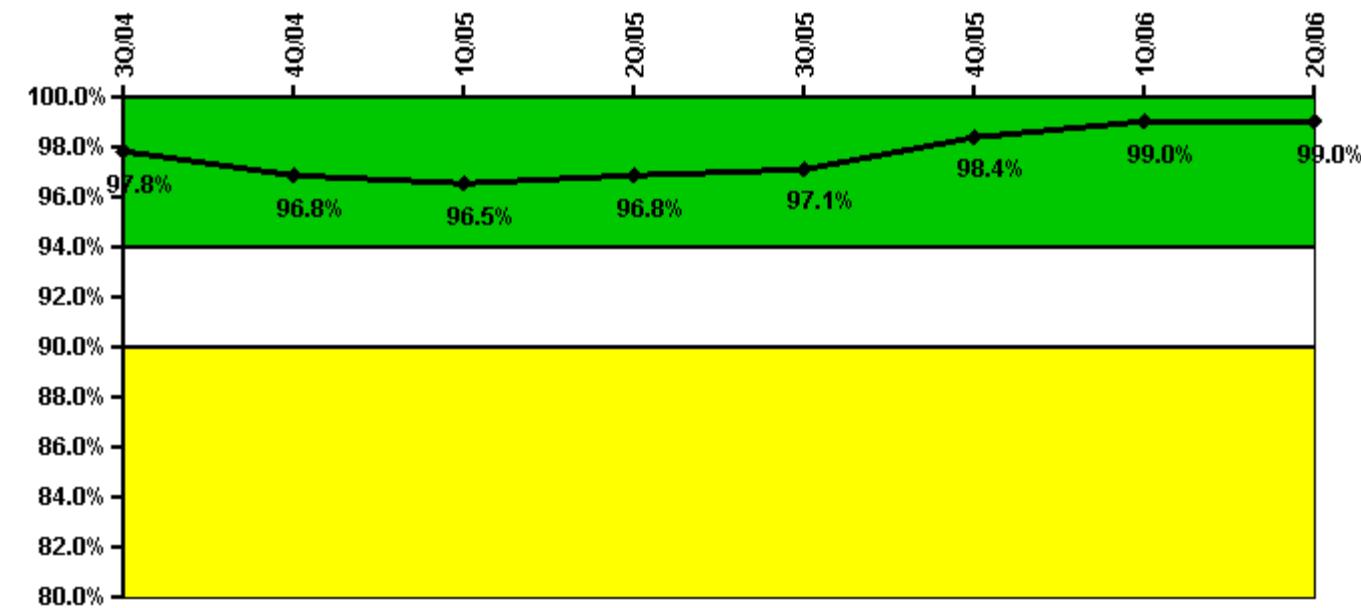
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Participating Key personnel	75.0	71.0	73.0	64.0	64.0	73.0	75.0	71.0
Total Key personnel	76.0	73.0	74.0	71.0	68.0	74.0	75.0	71.0
Indicator value	98.7%	97.3%	98.6%	90.1%	94.1%	98.6%	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	1638	1480	1656	840	731	823	737	735
Total sirens-tests	1691	1566	1696	846	742	832	742	742
Indicator value	97.8%	96.8%	96.5%	96.8%	97.1%	98.4%	99.0%	99.0%

Licensee Comments: none

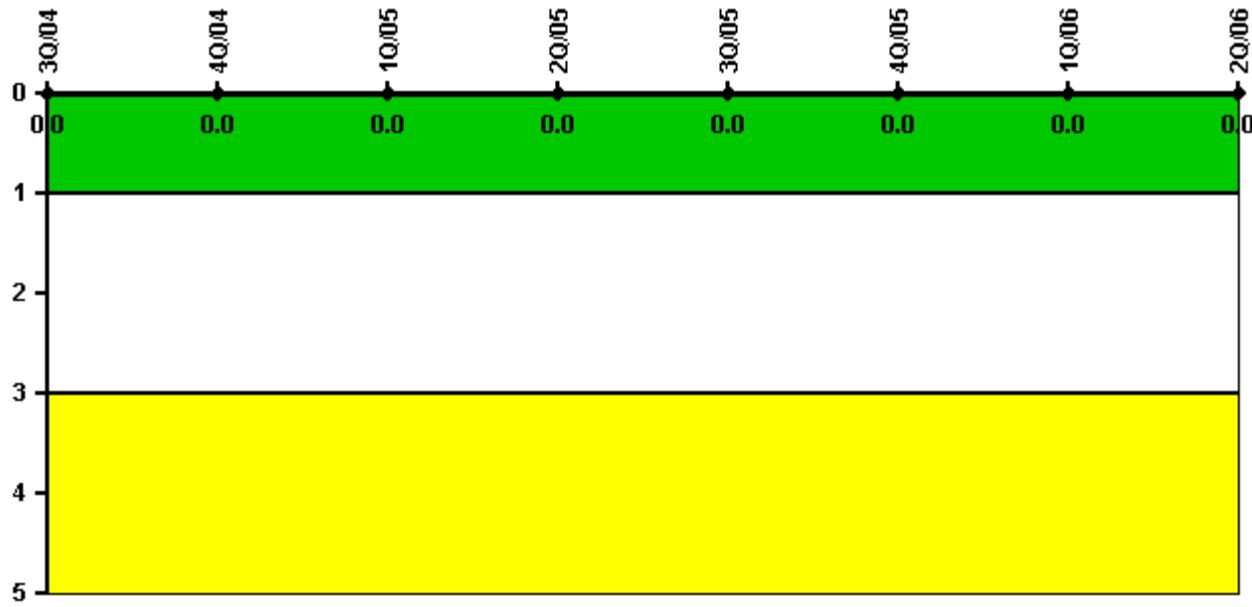
Occupational Exposure Control Effectiveness

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							

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							

Licensee Comments: none

[Physical Protection](#) information not publicly available.



[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

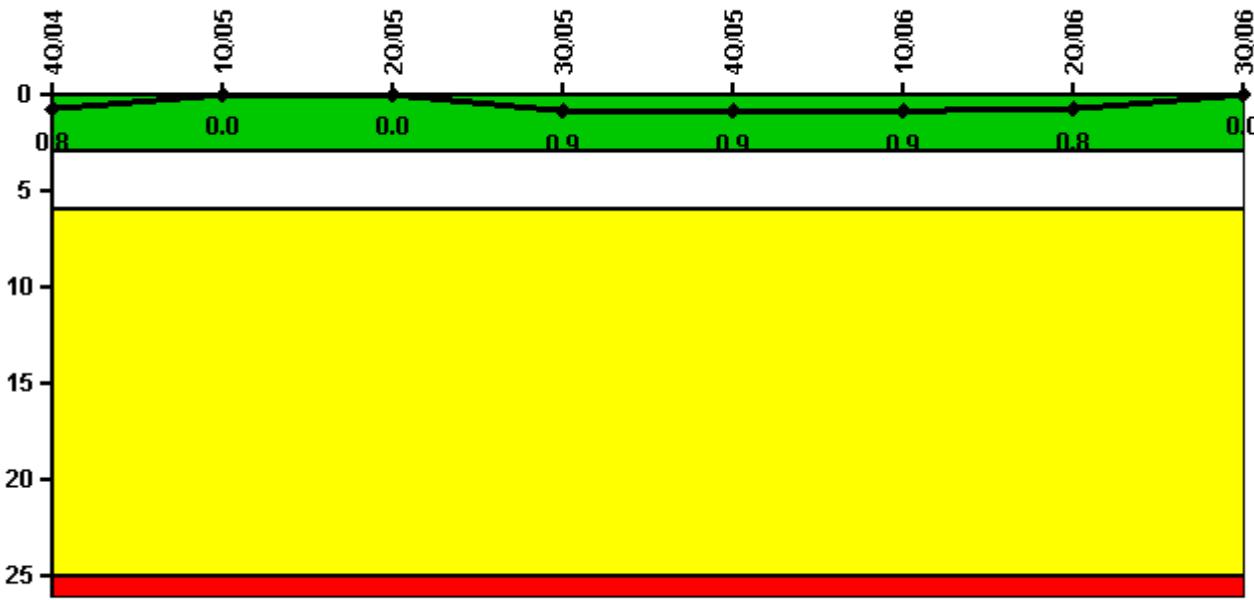
Last Modified: August 2, 2006

Summer

3Q/2006 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2209.0	2160.0	1253.3	2165.1	2209.0	2160.0	2183.0	2208.0
Indicator value	0.8	0	0	0.9	0.9	0.9	0.8	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

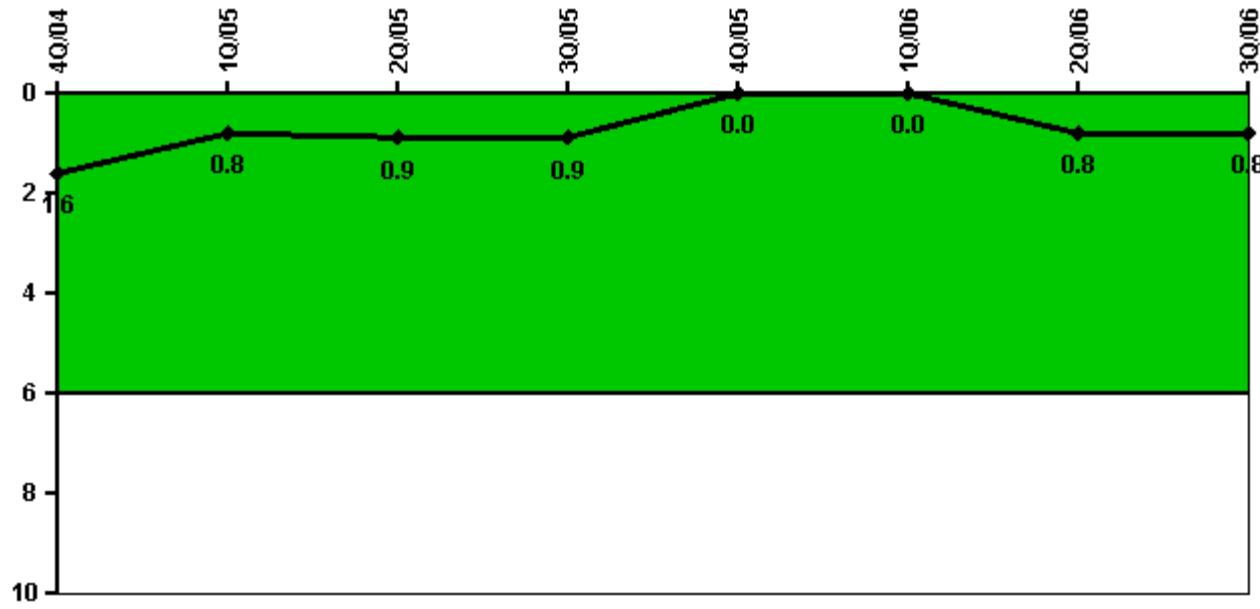
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

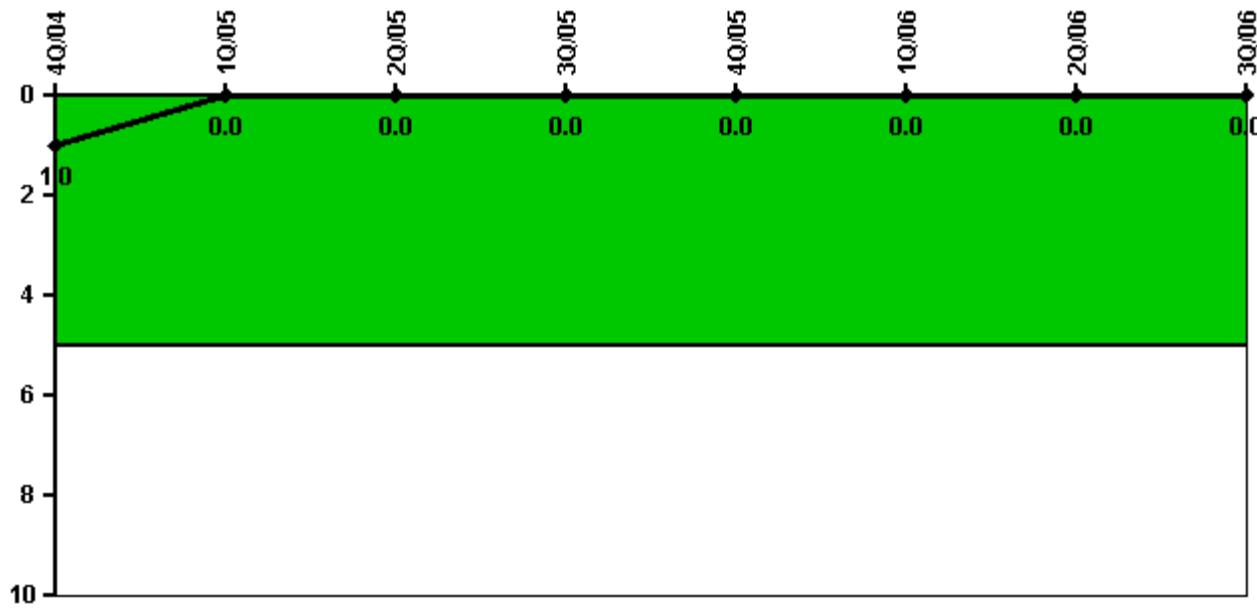


Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned power changes	1.0	0	0	0	0	0	1.0	0
Critical hours	2209.0	2160.0	1253.3	2165.1	2209.0	2160.0	2183.0	2208.0
Indicator value	1.6	0.8	0.9	0.9	0	0	0.8	0.8

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Safety System Functional Failures	0	0	0	0	0	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/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (Δ CDF)							-1.10×10^{-7}	1.40×10^{-7}
URI (Δ CDF)							-4.20×10^{-6}	-2.50×10^{-6}
PLE							NO	NO
Indicator value							-4.31×10^{-6}	-2.36×10^{-6}

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



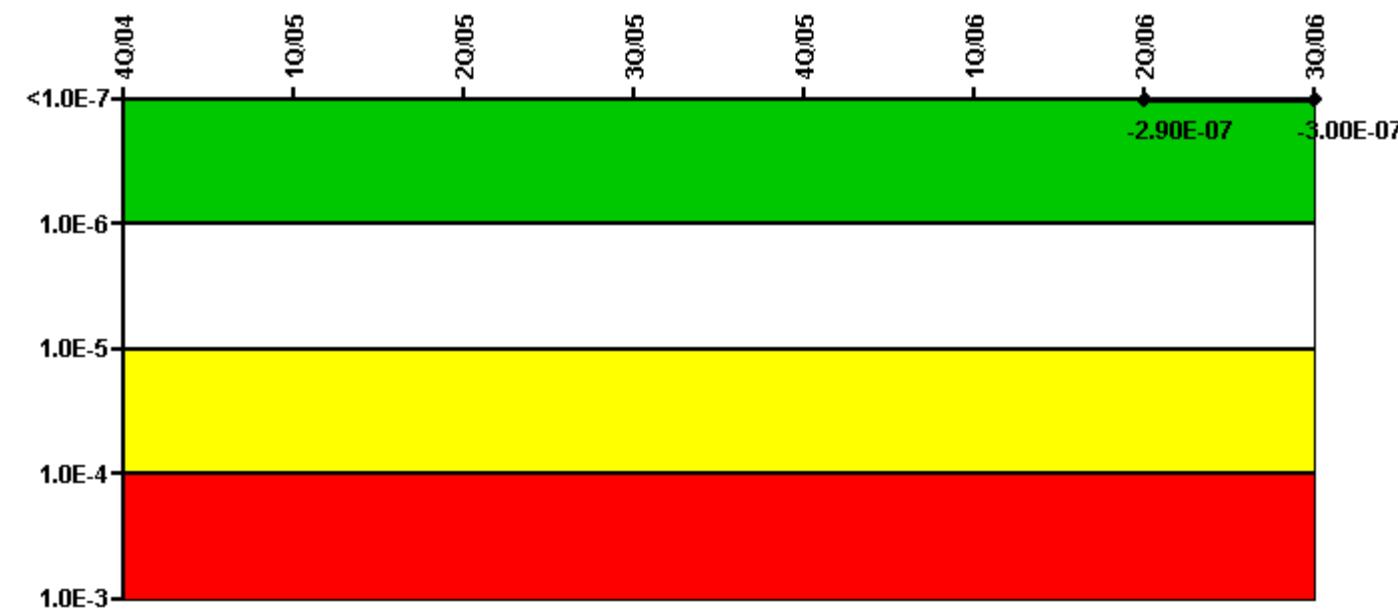
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF)							-2.00E-08	-2.90E-08
URI (Δ CDF)							2.80E-07	-7.10E-08
PLE							NO	NO
Indicator value							2.60E-07	-1.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



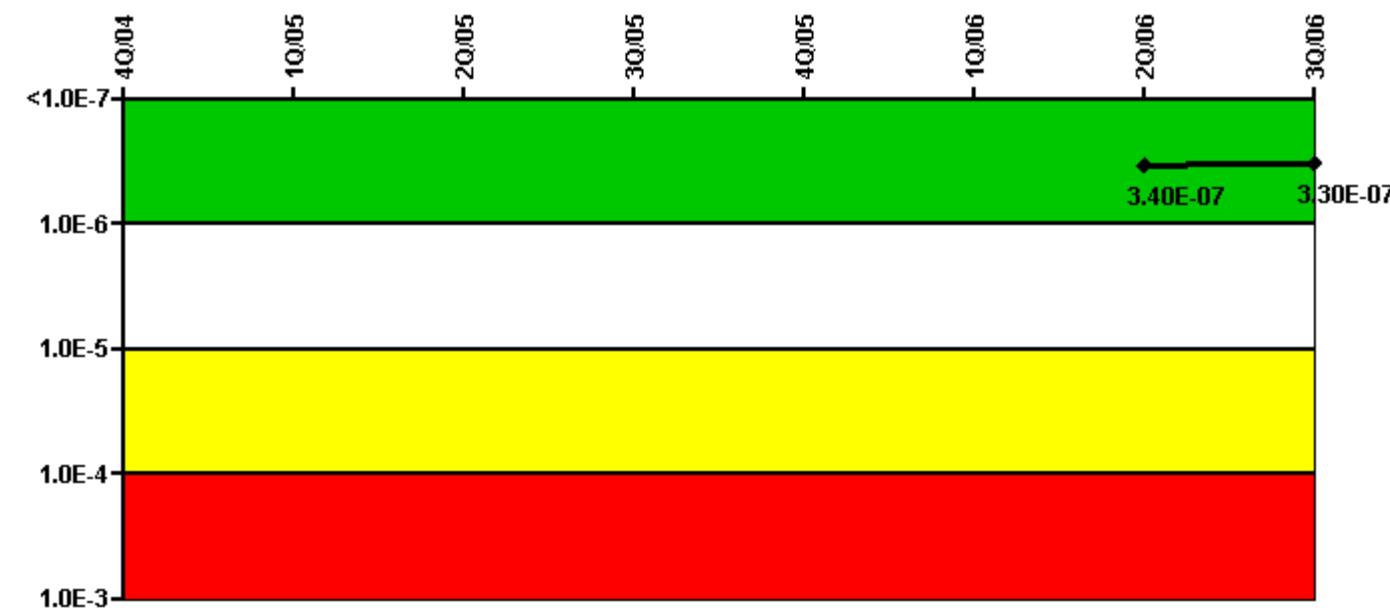
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							2.50E-07	2.50E-07
URI (ΔCDF)							-5.40E-07	-5.50E-07
PLE							NO	NO
Indicator value							-2.90E-07	-3.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



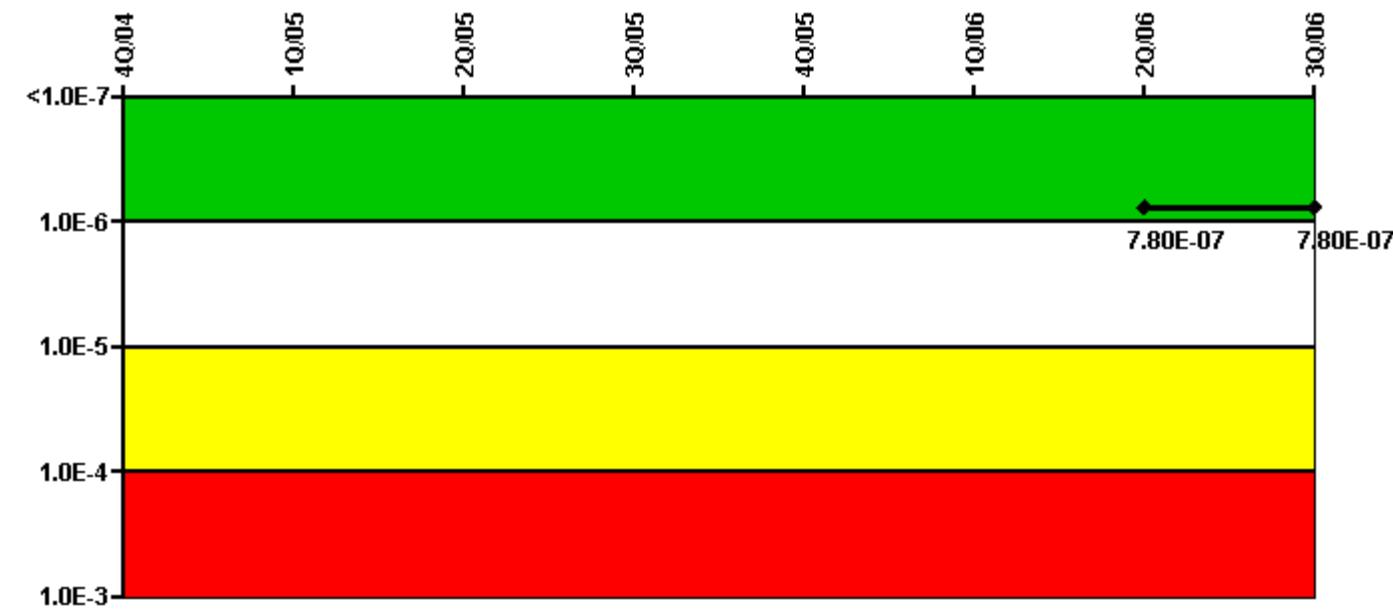
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (Δ CDF)							-2.00E-08	-2.00E-08
URI (Δ CDF)							3.60E-07	3.50E-07
PLE							NO	NO
Indicator value							3.40E-07	3.30E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



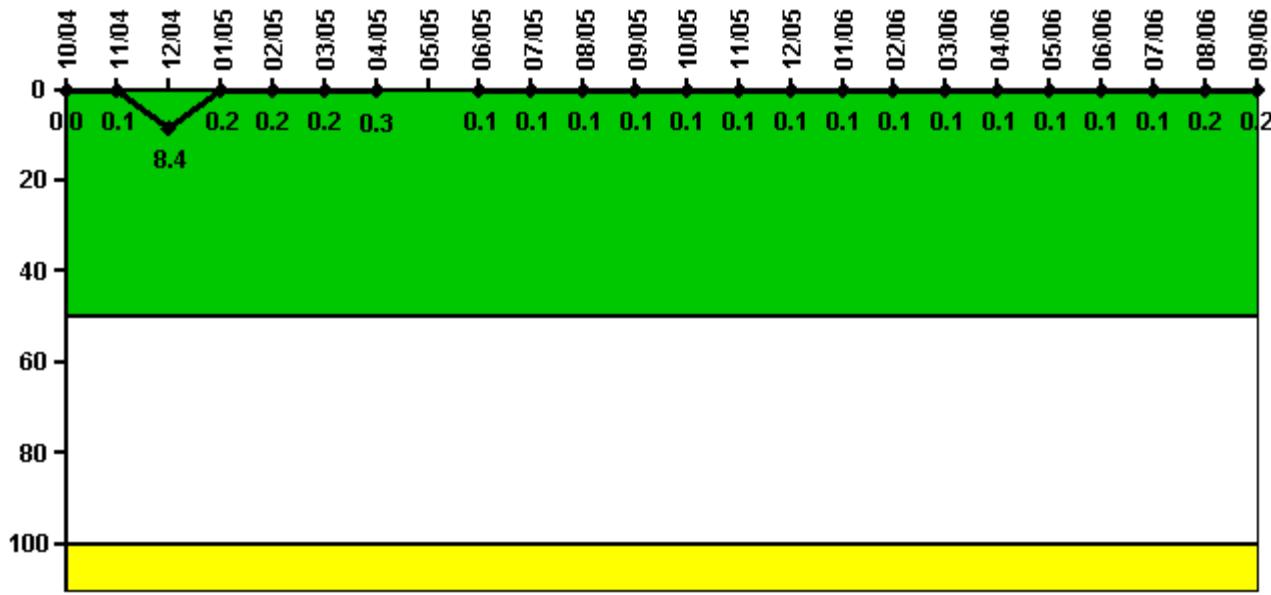
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							9.80E-09	9.80E-09
URI (ΔCDF)							7.70E-07	7.70E-07
PLE							NO	NO
Indicator value							7.80E-07	7.80E-07

Licensee Comments: none

Reactor Coolant System Activity



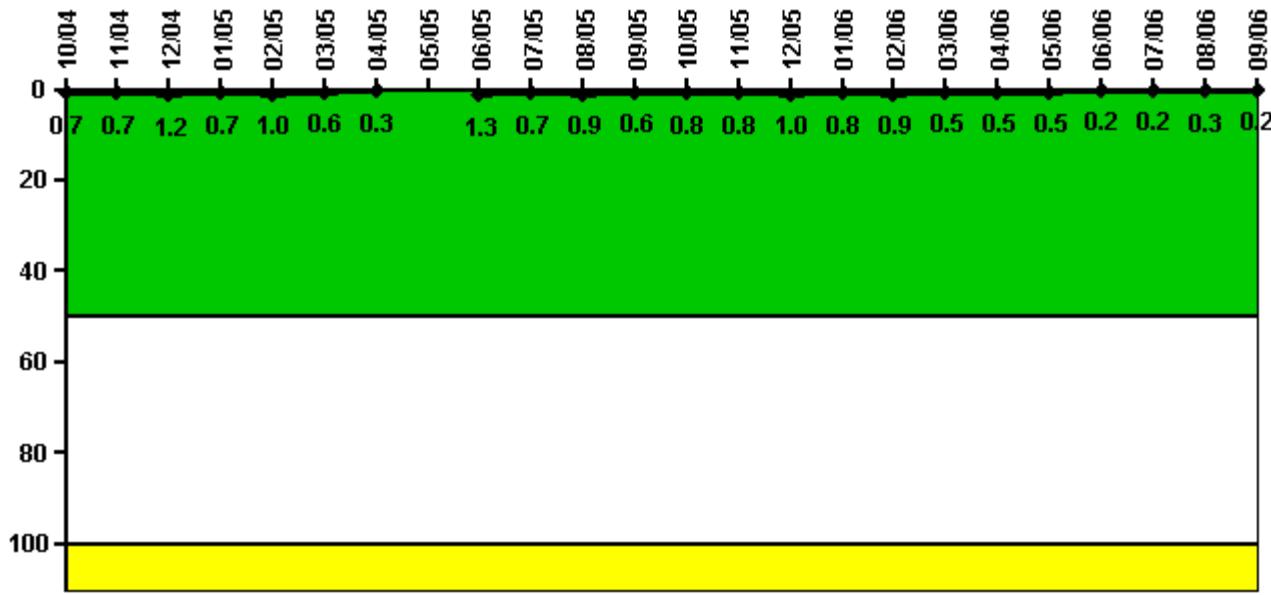
Thresholds: White > 50.0 Yellow > 100.0

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	0.000341	0.000564	0.084100	0.002010	0.002160	0.002290	0.002980	N/A	0.001050	0.000541	0.000556	0.000879
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0.1	8.4	0.2	0.2	0.2	0.3	N/A	0.1	0.1	0.1	0.1
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	0.001100	0.001070	0.001150	0.001190	0.001240	0.001250	0.001270	0.001340	0.001410	0.001480	0.001600	0.001660
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2

Licensee Comments: none

Reactor Coolant System Leakage



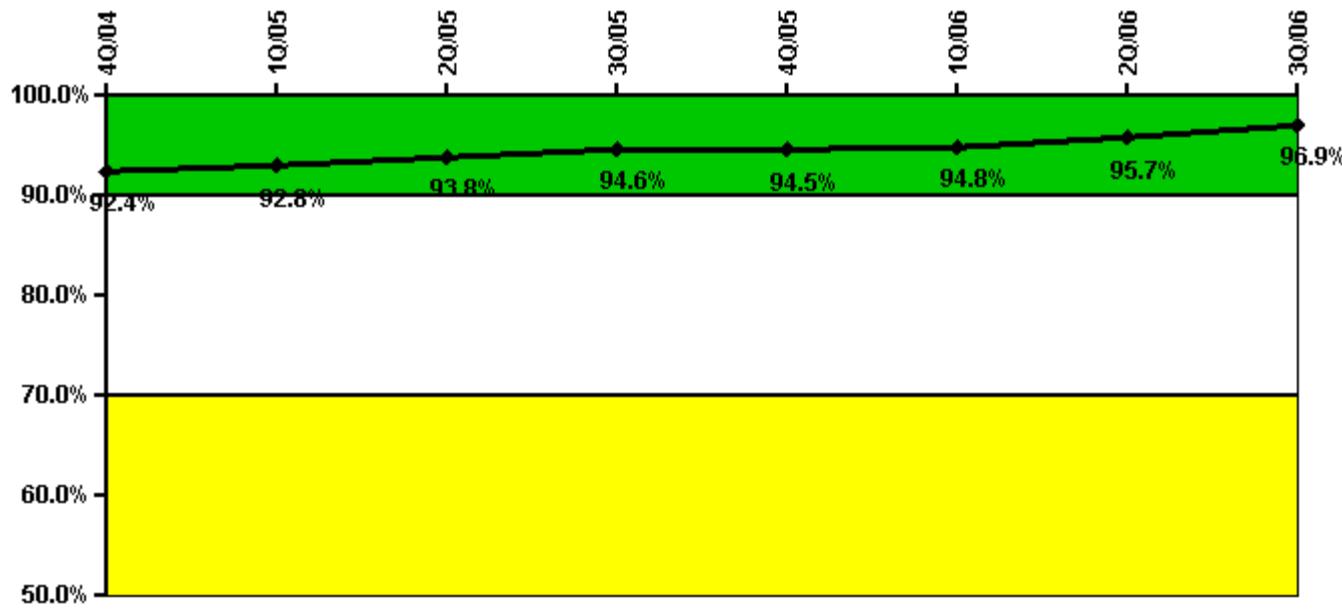
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum leakage	0.070	0.070	0.120	0.070	0.100	0.060	0.030	N/A	0.130	0.070	0.090	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.7	0.7	1.2	0.7	1.0	0.6	0.3	N/A	1.3	0.7	0.9	0.6
Reactor Coolant System Leakage	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum leakage	0.080	0.080	0.100	0.080	0.090	0.050	0.050	0.050	0.020	0.020	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.8	0.8	1.0	0.8	0.9	0.5	0.5	0.5	0.2	0.2	0.3	0.2

Licensee Comments: none

Drill/Exercise Performance



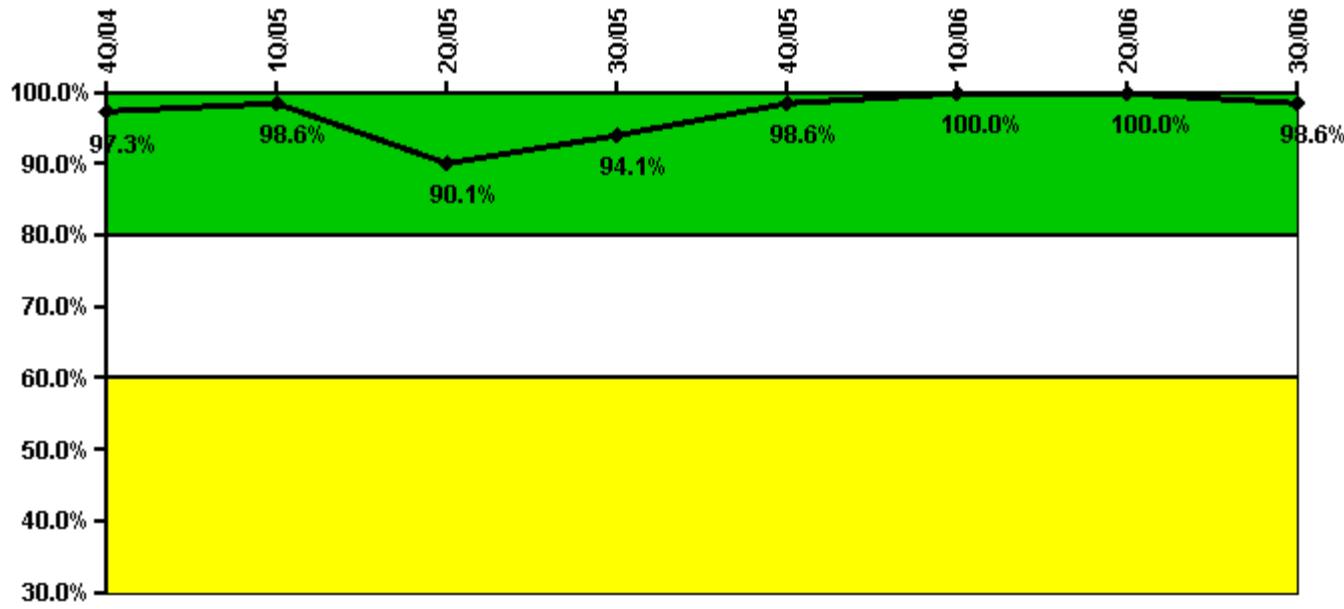
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful opportunities	7.0	48.0	41.0	53.0	11.0	57.0	38.0	29.0
Total opportunities	8.0	50.0	42.0	55.0	12.0	59.0	38.0	29.0
Indicator value	92.4%	92.8%	93.8%	94.6%	94.5%	94.8%	95.7%	96.9%

Licensee Comments: none

ERO Drill Participation



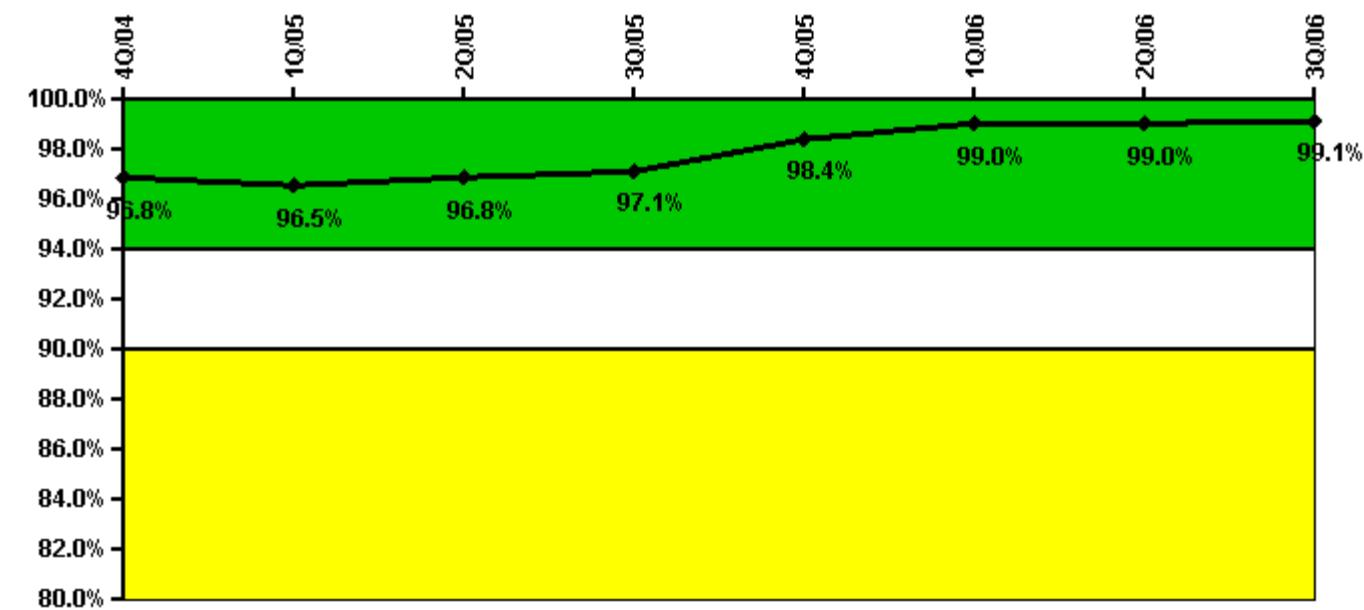
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Participating Key personnel	71.0	73.0	64.0	64.0	73.0	75.0	71.0	71.0
Total Key personnel	73.0	74.0	71.0	68.0	74.0	75.0	71.0	72.0
Indicator value	97.3%	98.6%	90.1%	94.1%	98.6%	100.0%	100.0%	98.6%

Licensee Comments: none

Alert & Notification System

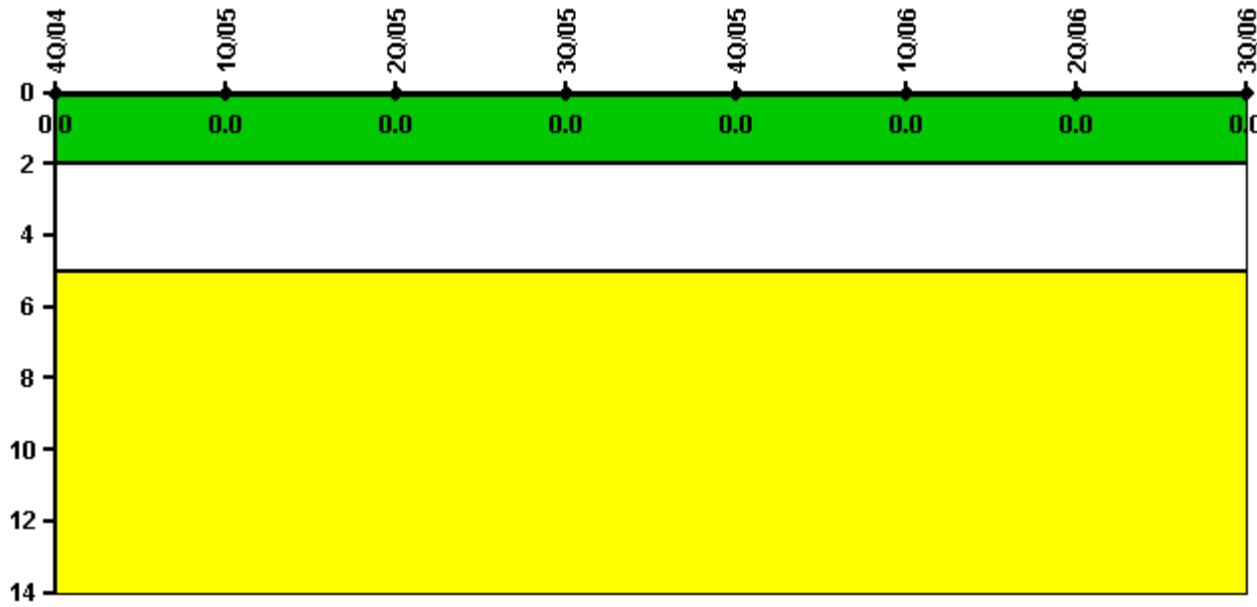


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful siren-tests	1480	1656	840	731	823	737	735	736
Total sirens-tests	1566	1696	846	742	832	742	742	742
Indicator value	96.8%	96.5%	96.8%	97.1%	98.4%	99.0%	99.0%	99.1%

Licensee Comments: none

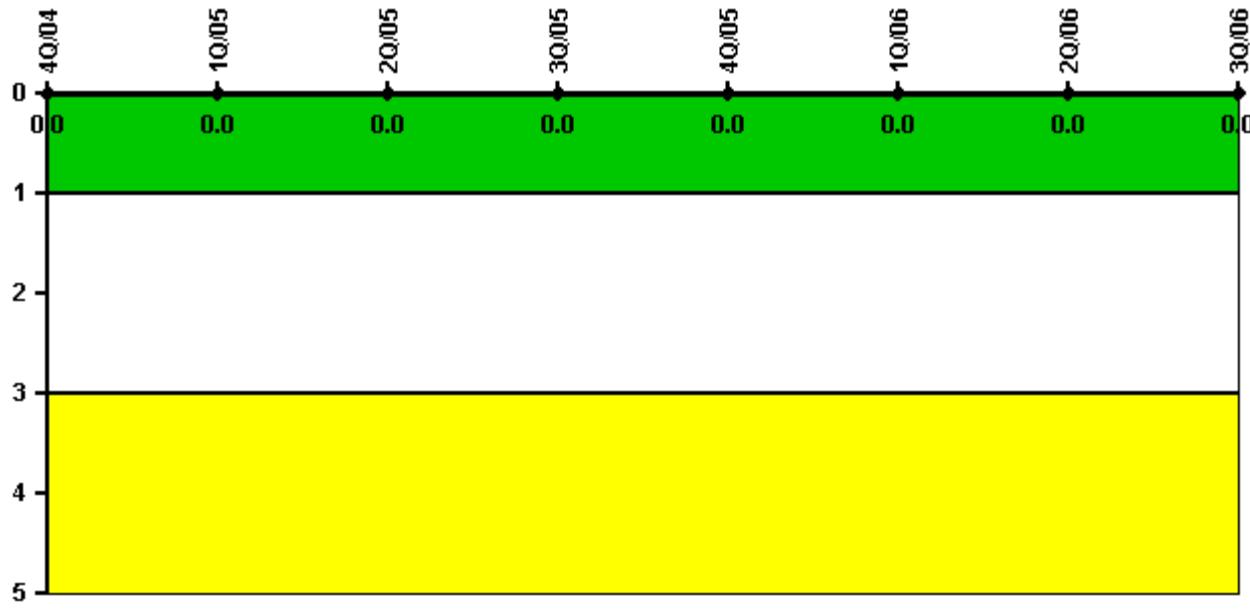
Occupational Exposure Control Effectiveness

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							

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							

Licensee Comments: none

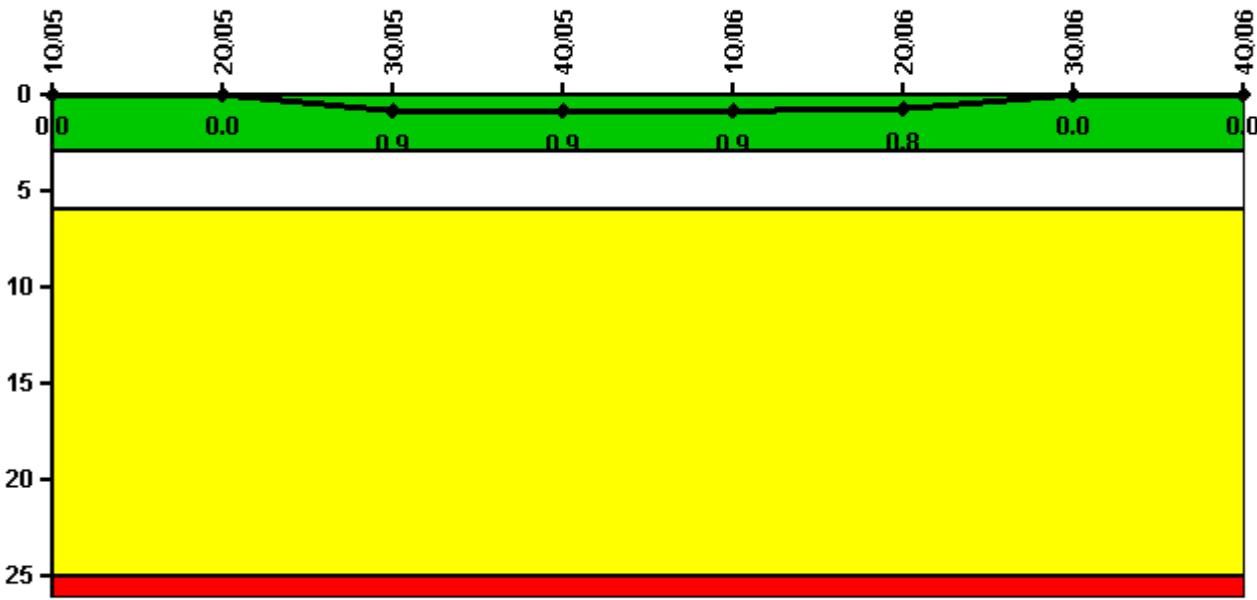
[Physical Protection](#) information not publicly available.

Summer

4Q/2006 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2160.0	1253.3	2165.1	2209.0	2160.0	2183.0	2208.0	1296.0
Indicator value	0	0	0.9	0.9	0.9	0.8	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

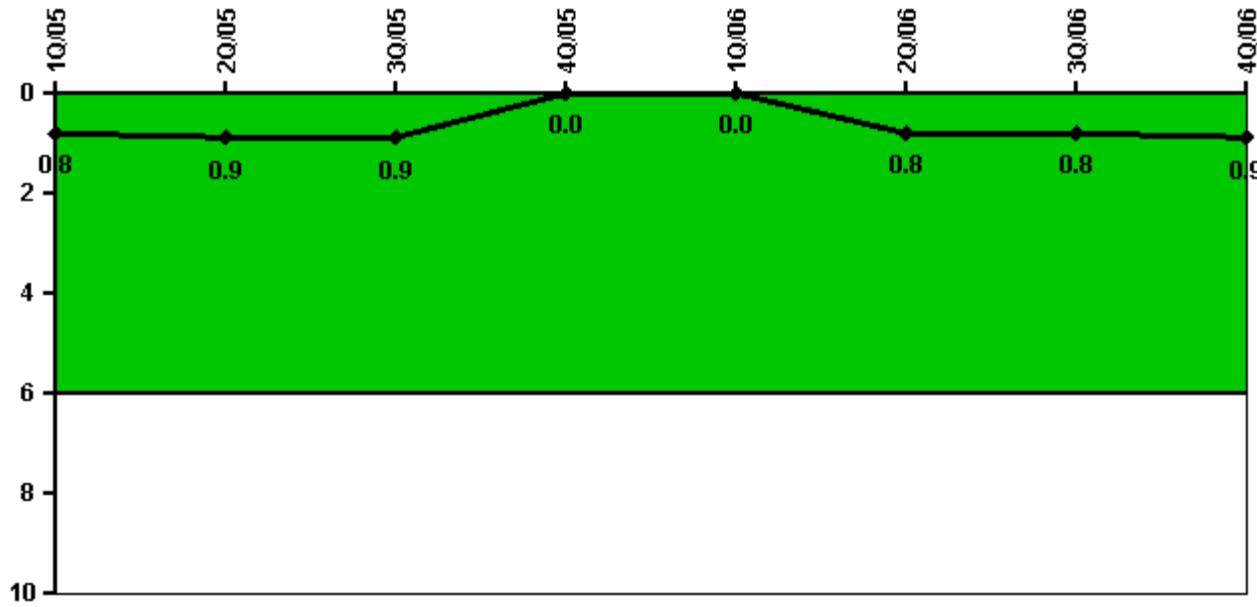
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

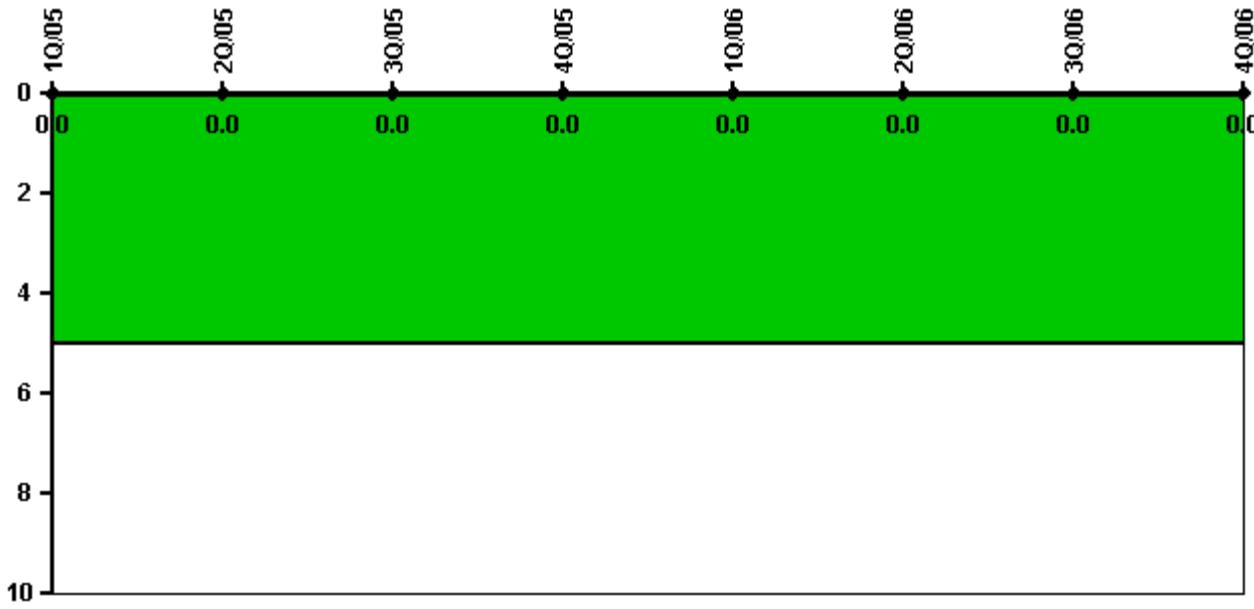


Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2160.0	1253.3	2165.1	2209.0	2160.0	2183.0	2208.0	1296.0
Indicator value	0.8	0.9	0.9	0	0	0.8	0.8	0.9

Licensee Comments: none

Safety System Functional Failures (PWR)

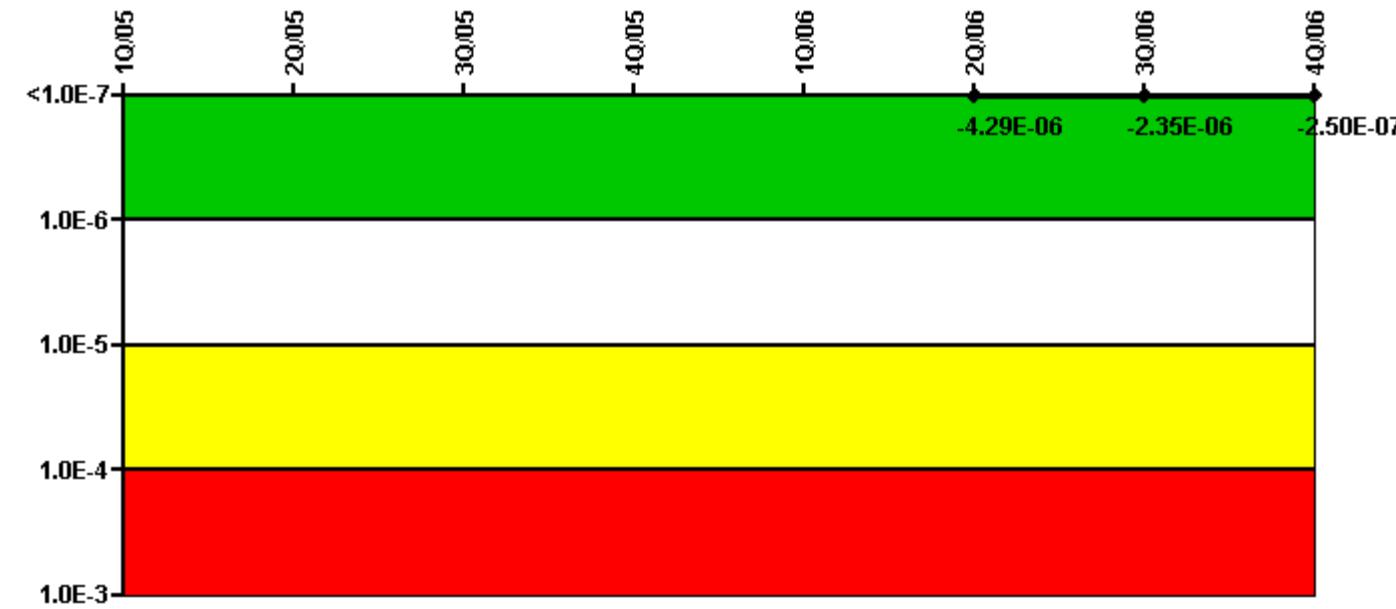
Thresholds: White > 5.0

Notes

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

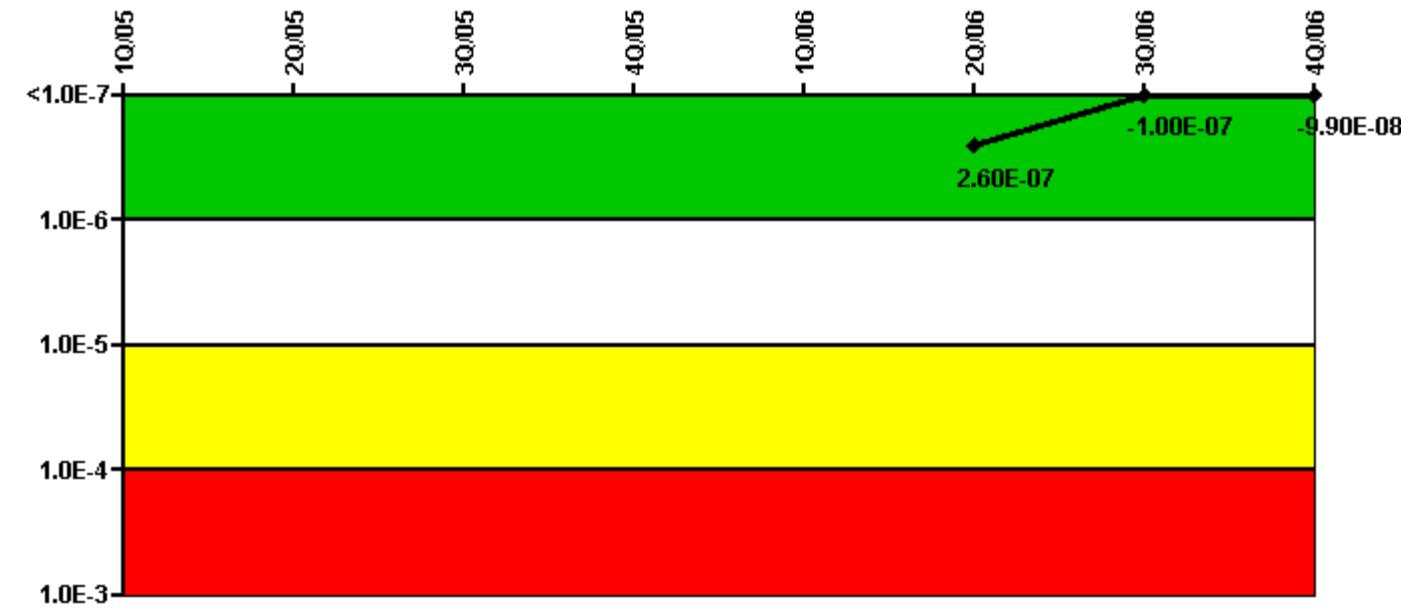
Mitigating Systems Performance Index, Emergency AC Power System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (Δ CDF)						-9.40E-08	1.50E-07	2.70E-07
URI (Δ CDF)						-4.20E-06	-2.50E-06	-5.20E-07
PLE						NO	NO	NO
Indicator value						-4.29E-06	-2.35E-06	-2.50E-07

Licensee Comments:

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

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

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

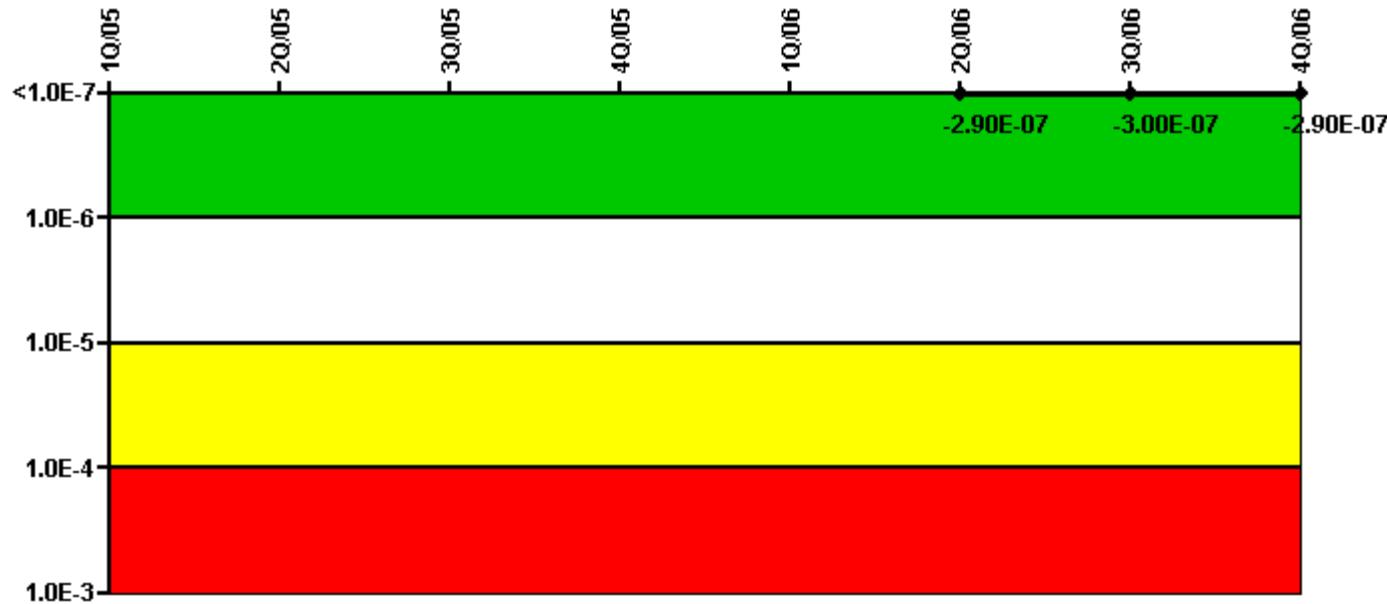
Mitigating Systems Performance Index, High Pressure Injection System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (Δ CDF)						-2.00E-08	-2.90E-08	-2.90E-08
URI (Δ CDF)						2.80E-07	-7.10E-08	-7.00E-08
PLE						NO	NO	NO
Indicator value						2.60E-07	-1.00E-07	-9.90E-08

Licensee Comments:

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

2Q/06: 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

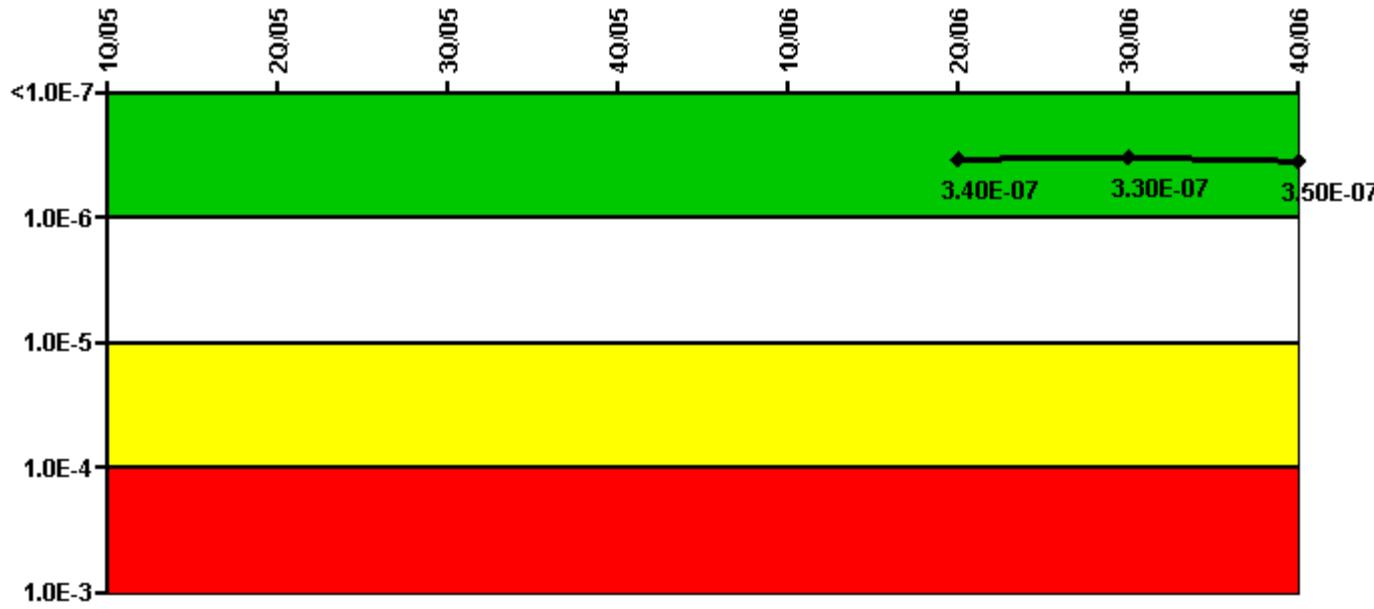
Mitigating Systems Performance Index, Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (Δ CDF)						2.50E-07	2.50E-07	2.50E-07
URI (Δ CDF)						-5.40E-07	-5.50E-07	-5.40E-07
PLE						NO	NO	NO
Indicator value						-2.90E-07	-3.00E-07	-2.90E-07

Licensee Comments:

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

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

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

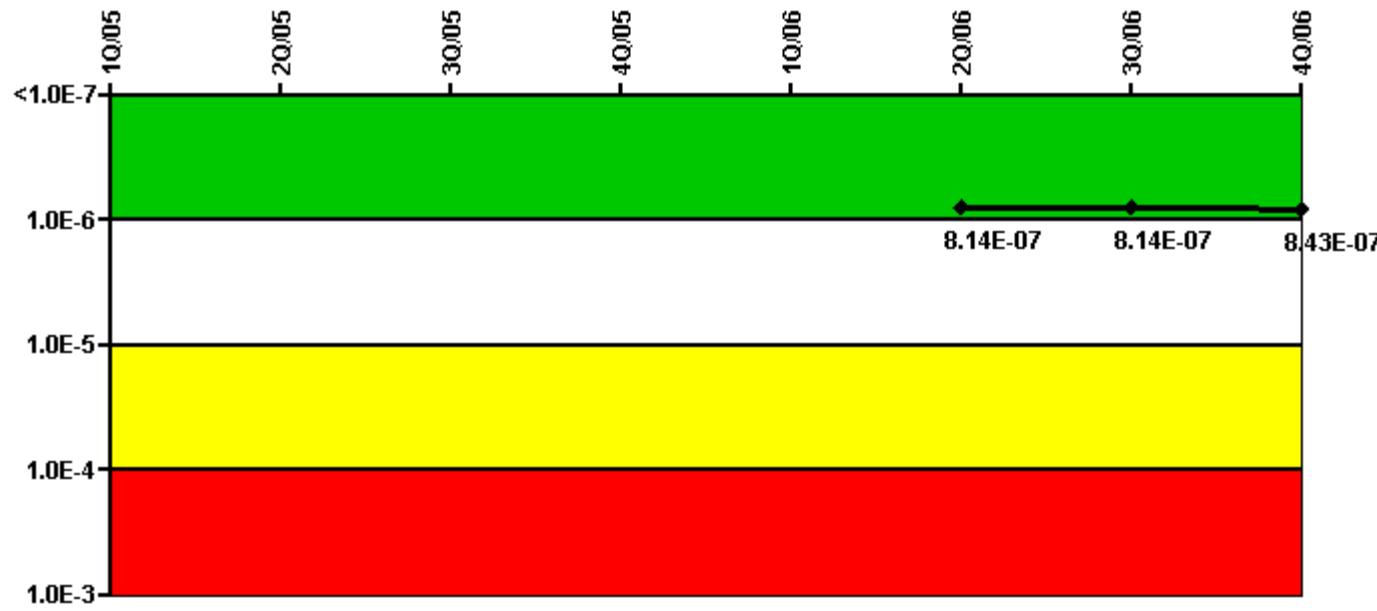
Mitigating Systems Performance Index, Residual Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-2.00E-08	-2.00E-08	-2.00E-08
URI (ΔCDF)						3.60E-07	3.50E-07	3.70E-07
PLE						NO	NO	NO
Indicator value						3.40E-07	3.30E-07	3.50E-07

Licensee Comments:

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

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

Mitigating Systems Performance Index, Cooling Water Systems



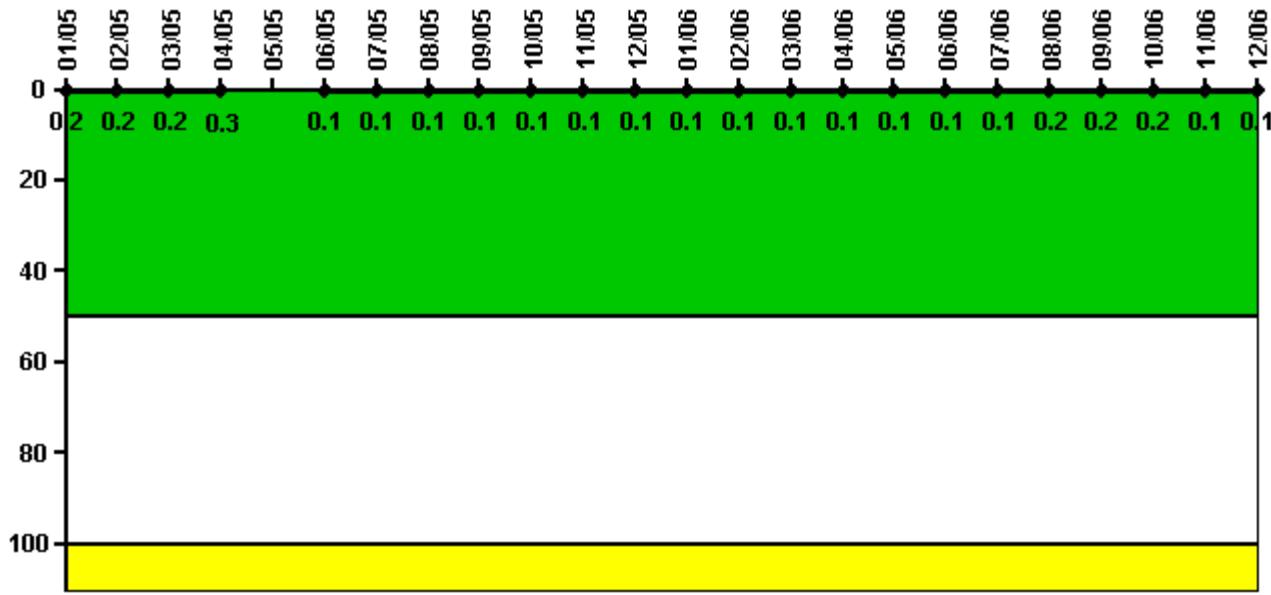
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)						4.40E-08	4.40E-08	4.30E-08
URI (ΔCDF)						7.70E-07	7.70E-07	8.00E-07
PLE						NO	NO	NO
Indicator value						8.14E-07	8.14E-07	8.43E-07

Licensee Comments: none

Reactor Coolant System Activity



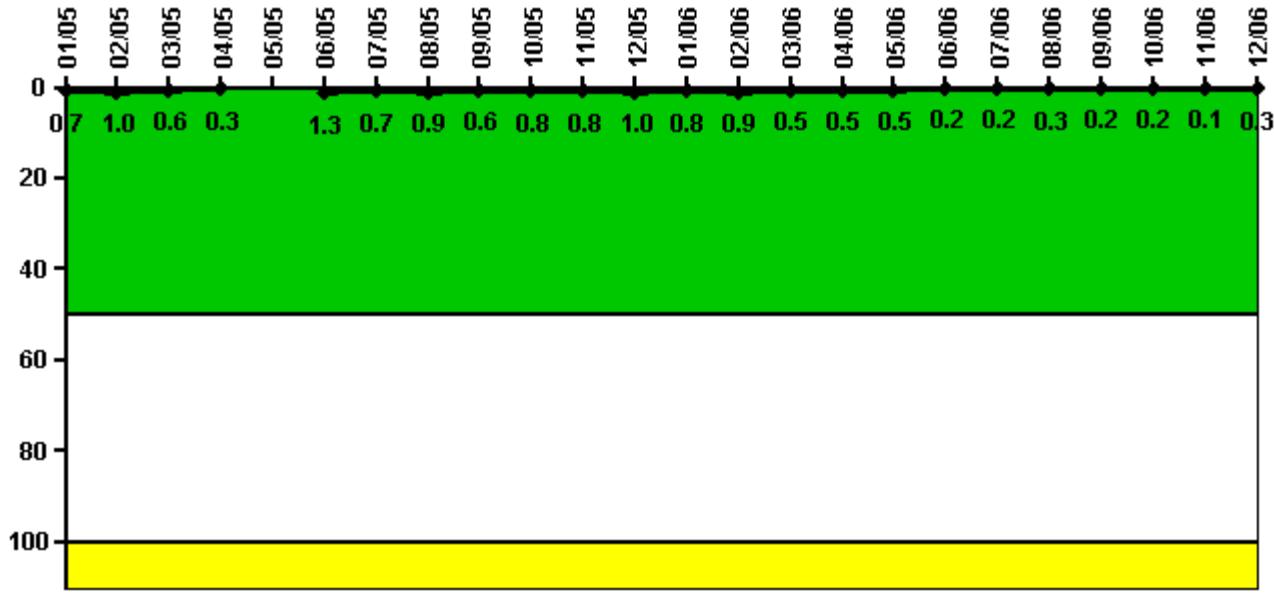
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity		1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum activity		0.002010	0.002160	0.002290	0.002980	N/A	0.001050	0.000541	0.000556	0.000879	0.001100	0.001070	0.001150
Technical specification limit		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value		0.2	0.2	0.2	0.3	N/A	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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	0.001190	0.001240	0.001250	0.001270	0.001340	0.001410	0.001480	0.001600	0.001660	0.001640	0.000671	0.000782	
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



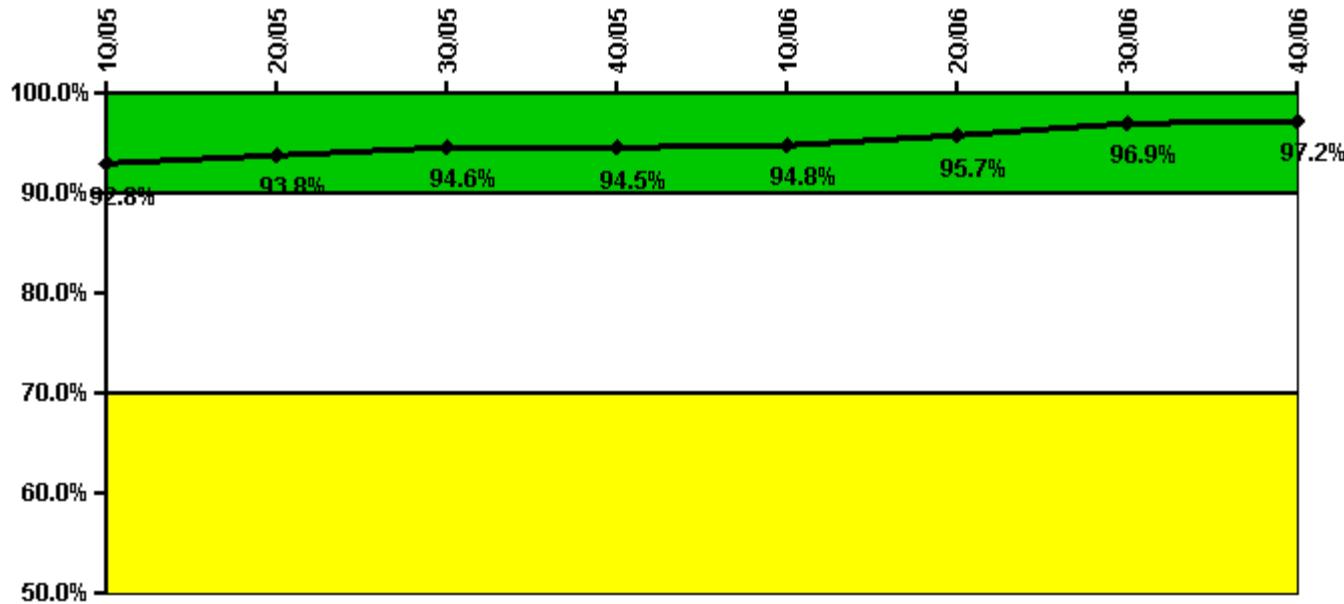
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum leakage	0.070	0.100	0.060	0.030	N/A	0.130	0.070	0.090	0.060	0.080	0.080	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.7	1.0	0.6	0.3	N/A	1.3	0.7	0.9	0.6	0.8	0.8	1.0
Reactor Coolant System Leakage	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum leakage	0.080	0.090	0.050	0.050	0.050	0.020	0.020	0.030	0.020	0.020	0.010	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.8	0.9	0.5	0.5	0.5	0.2	0.2	0.3	0.2	0.2	0.1	0.3

Licensee Comments: none

Drill/Exercise Performance



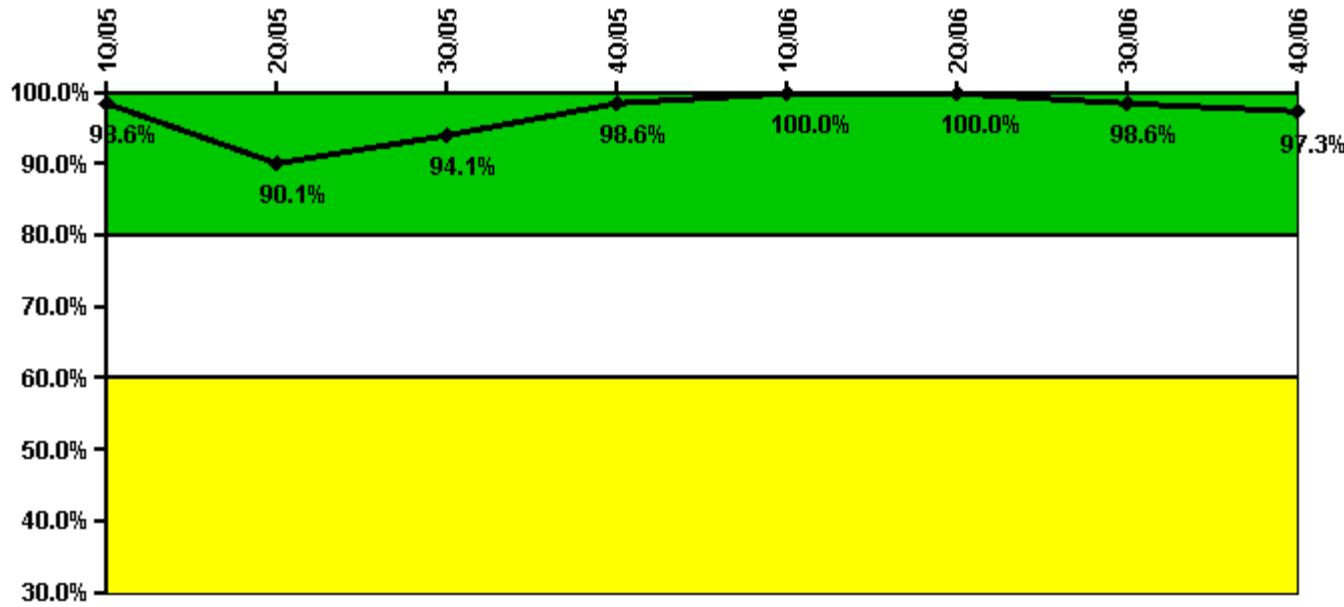
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful opportunities	48.0	41.0	53.0	11.0	57.0	38.0	29.0	0
Total opportunities	50.0	42.0	55.0	12.0	59.0	38.0	29.0	0
Indicator value	92.8%	93.8%	94.6%	94.5%	94.8%	95.7%	96.9%	97.2%

Licensee Comments: none

ERO Drill Participation



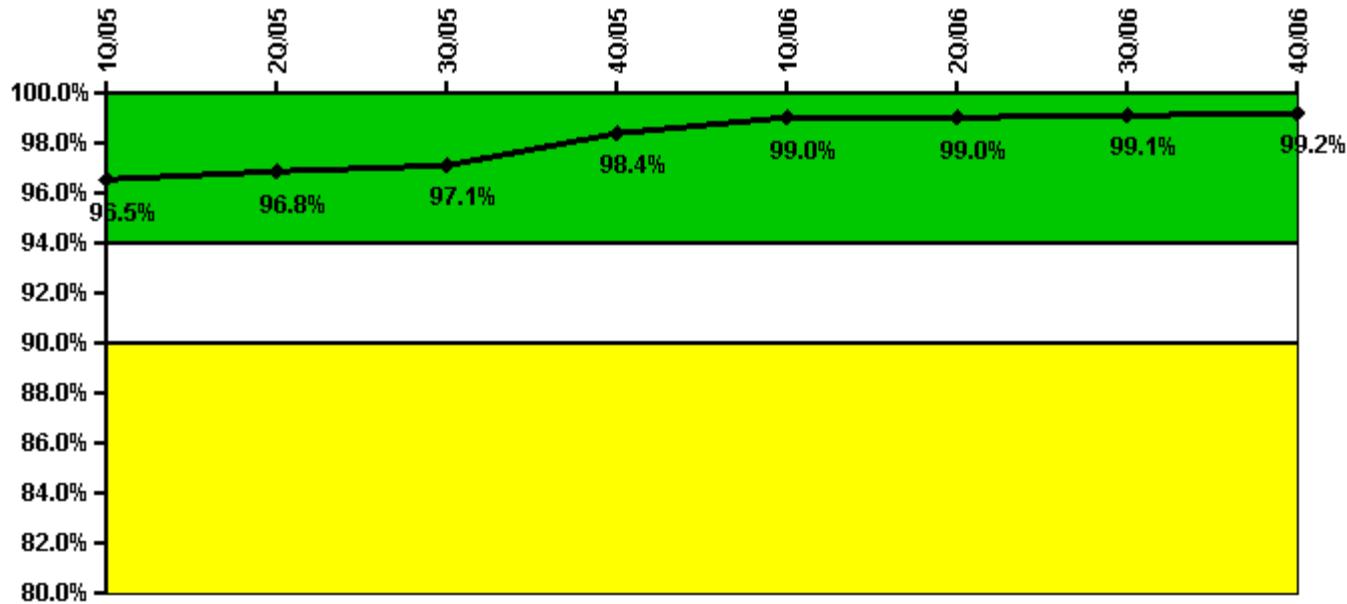
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Participating Key personnel	73.0	64.0	64.0	73.0	75.0	71.0	71.0	71.0
Total Key personnel	74.0	71.0	68.0	74.0	75.0	71.0	72.0	73.0
Indicator value	98.6%	90.1%	94.1%	98.6%	100.0%	100.0%	98.6%	97.3%

Licensee Comments: none

Alert & Notification System

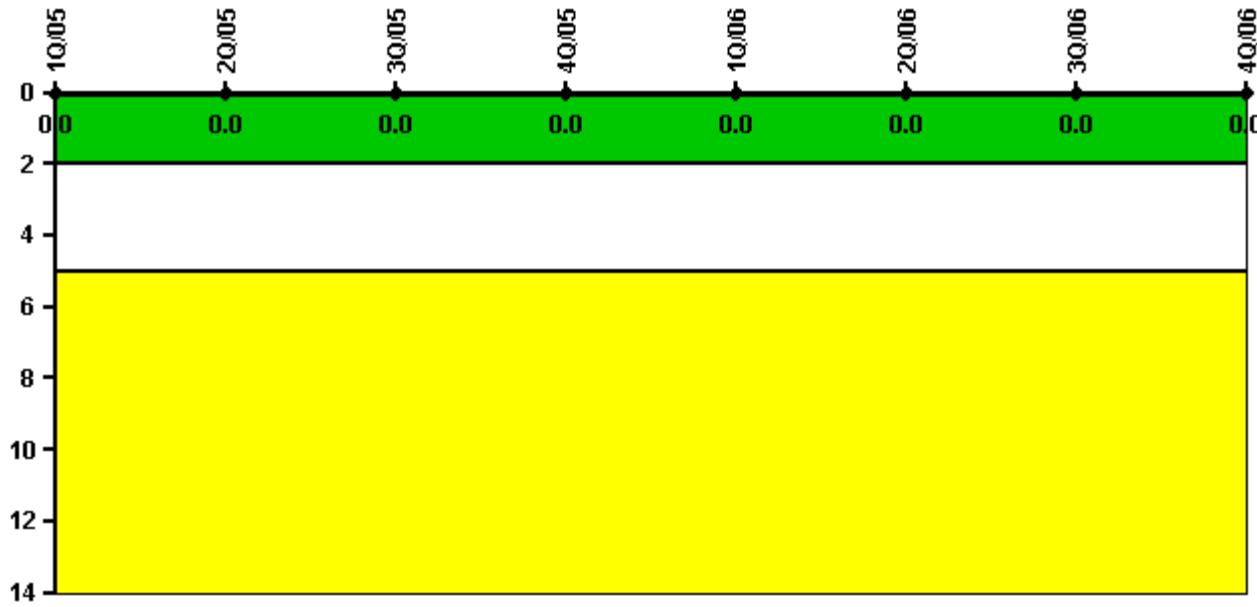


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful siren-tests	1656	840	731	823	737	735	736	840
Total sirens-tests	1696	846	742	832	742	742	742	848
Indicator value	96.5%	96.8%	97.1%	98.4%	99.0%	99.0%	99.1%	99.2%

Licensee Comments: none

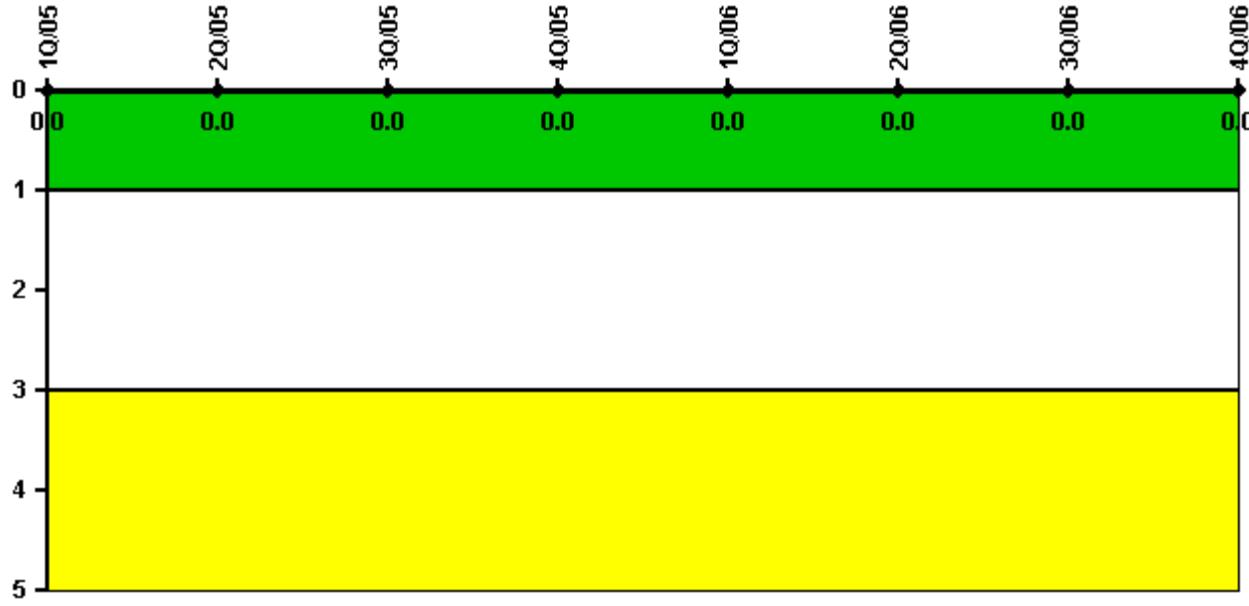
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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							

Licensee Comments: none

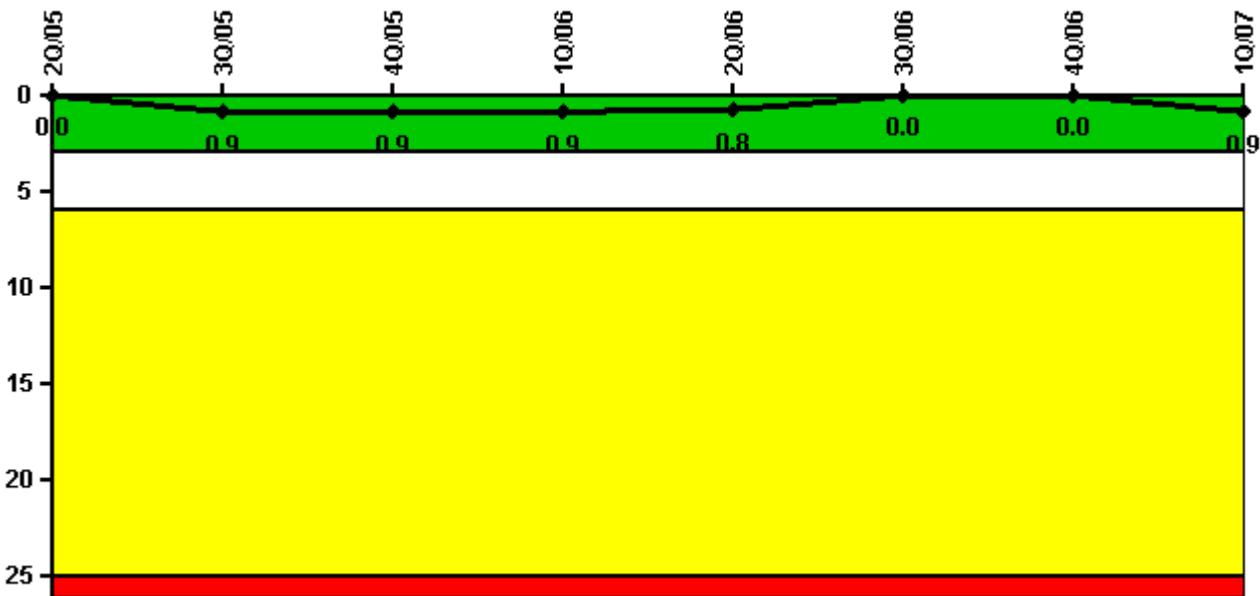
[Physical Protection](#) information not publicly available.

Summer

1Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned scrams	0	1.0	0	0	0	0	0	1.0
Critical hours	1253.3	2165.1	2209.0	2160.0	2183.0	2208.0	1296.0	2126.5
Indicator value	0	0.9	0.9	0.9	0.8	0	0	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



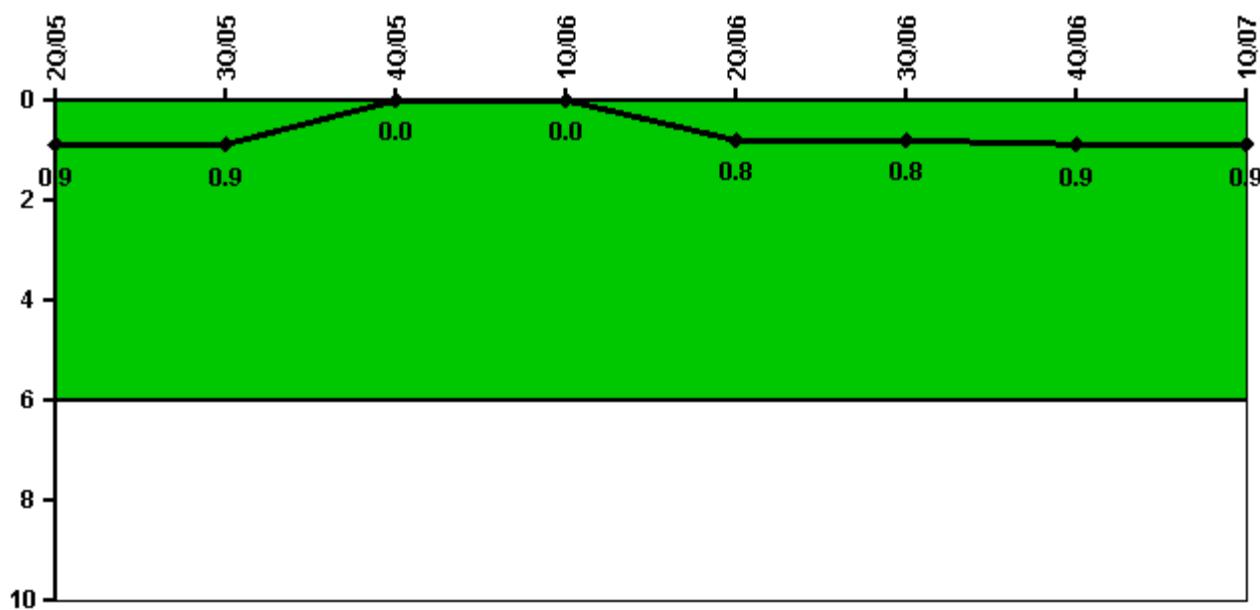
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



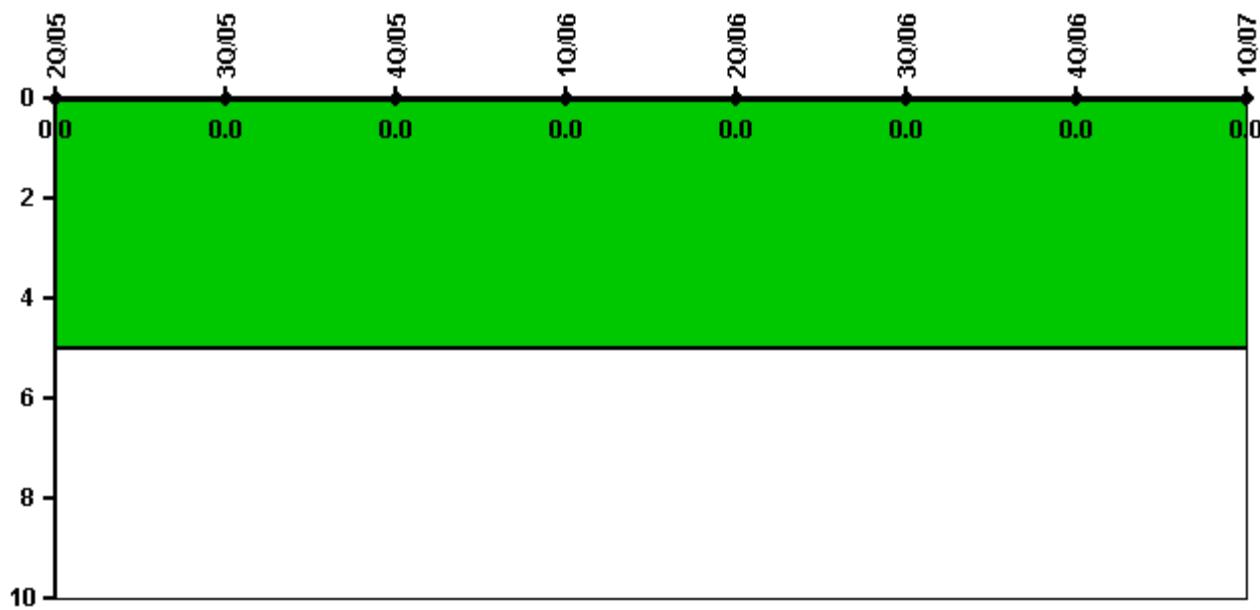
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	1253.3	2165.1	2209.0	2160.0	2183.0	2208.0	1296.0	2126.5
Indicator value	0.9	0.9	0	0	0.8	0.8	0.9	0.9

Licensee Comments: none

Safety System Functional Failures (PWR)



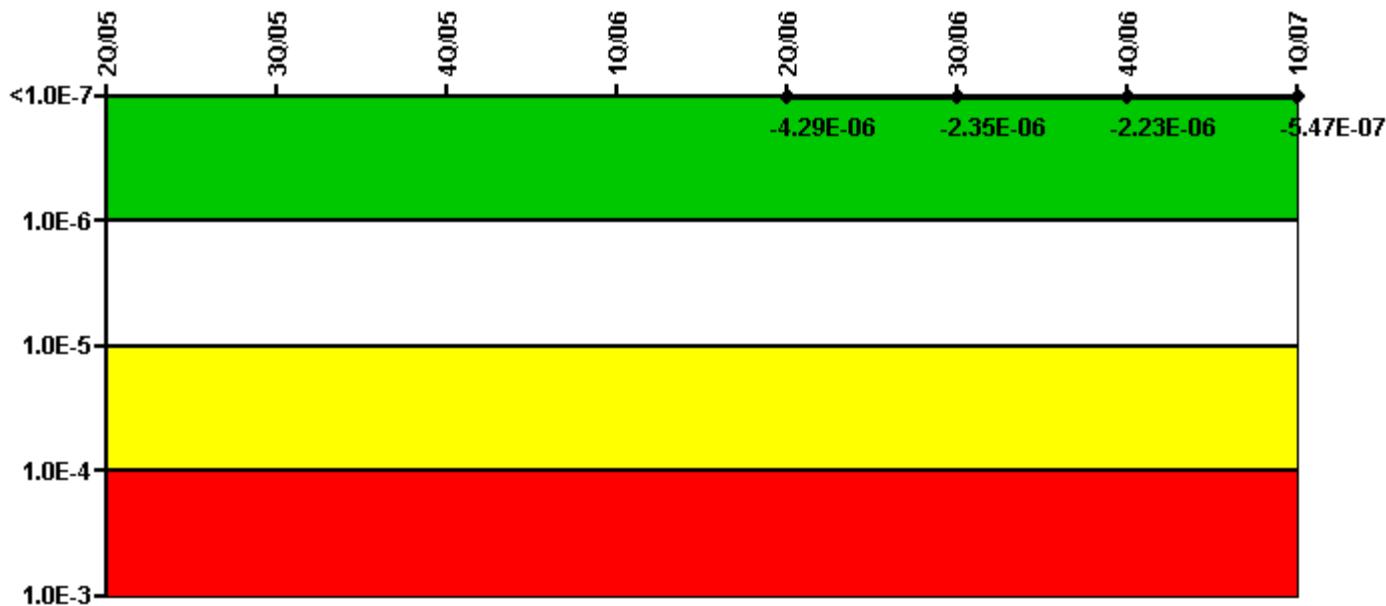
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



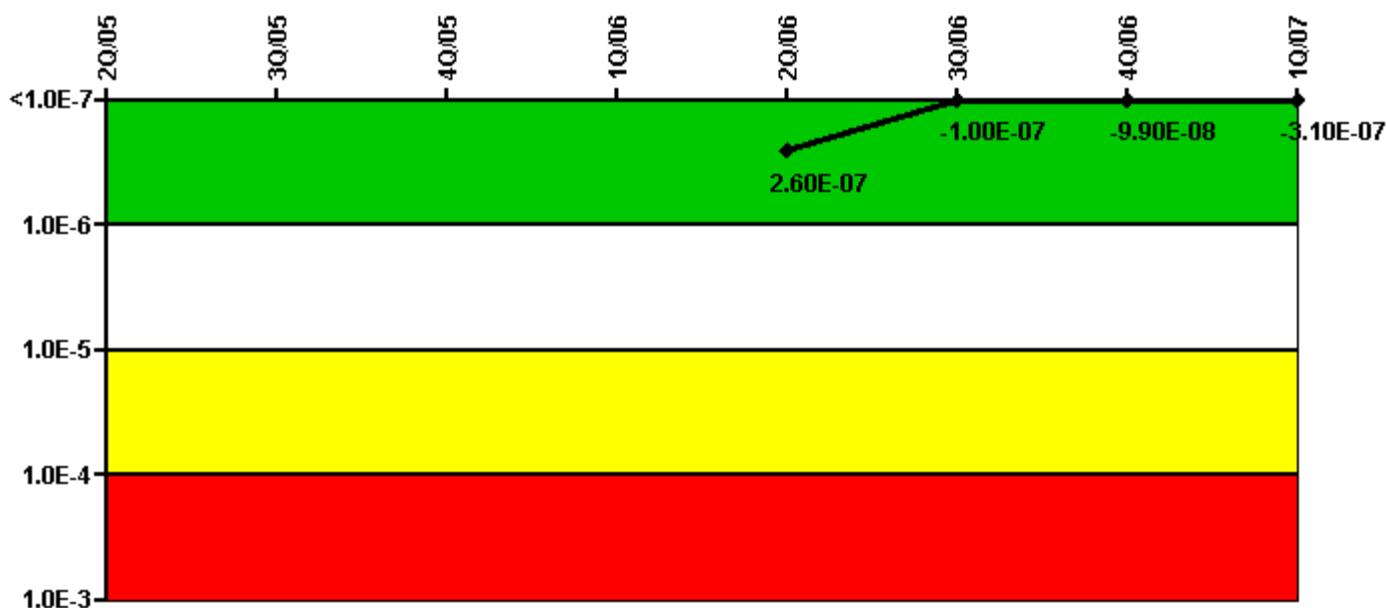
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (Δ CDF)					-9.40E-08	1.50E-07	2.70E-07	8.30E-08
URI (Δ CDF)					-4.20E-06	-2.50E-06	-2.50E-06	-6.30E-07
PLE					NO	NO	NO	NO
Indicator value					-4.29E-06	-2.35E-06	-2.23E-06	-5.47E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



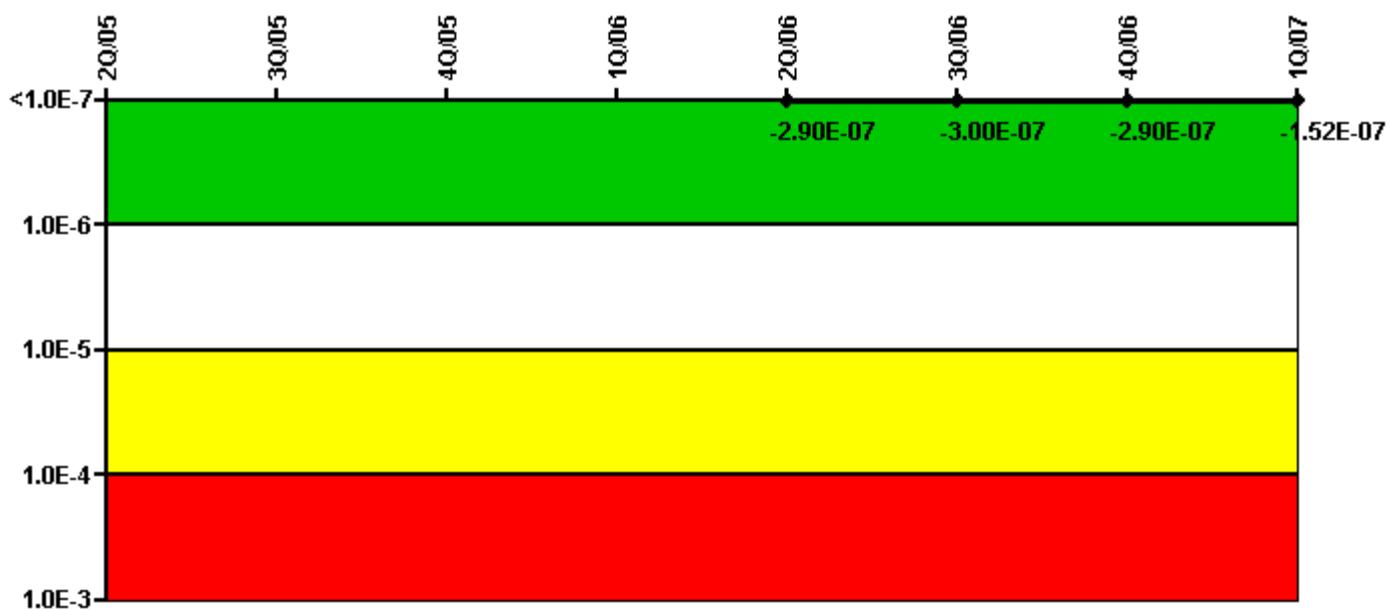
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (Δ CDF)					-2.00E-08	-2.90E-08	-2.90E-08	-2.00E-07
URI (Δ CDF)					2.80E-07	-7.10E-08	-7.00E-08	-1.10E-07
PLE					NO	NO	NO	NO
Indicator value					2.60E-07	-1.00E-07	-9.90E-08	-3.10E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



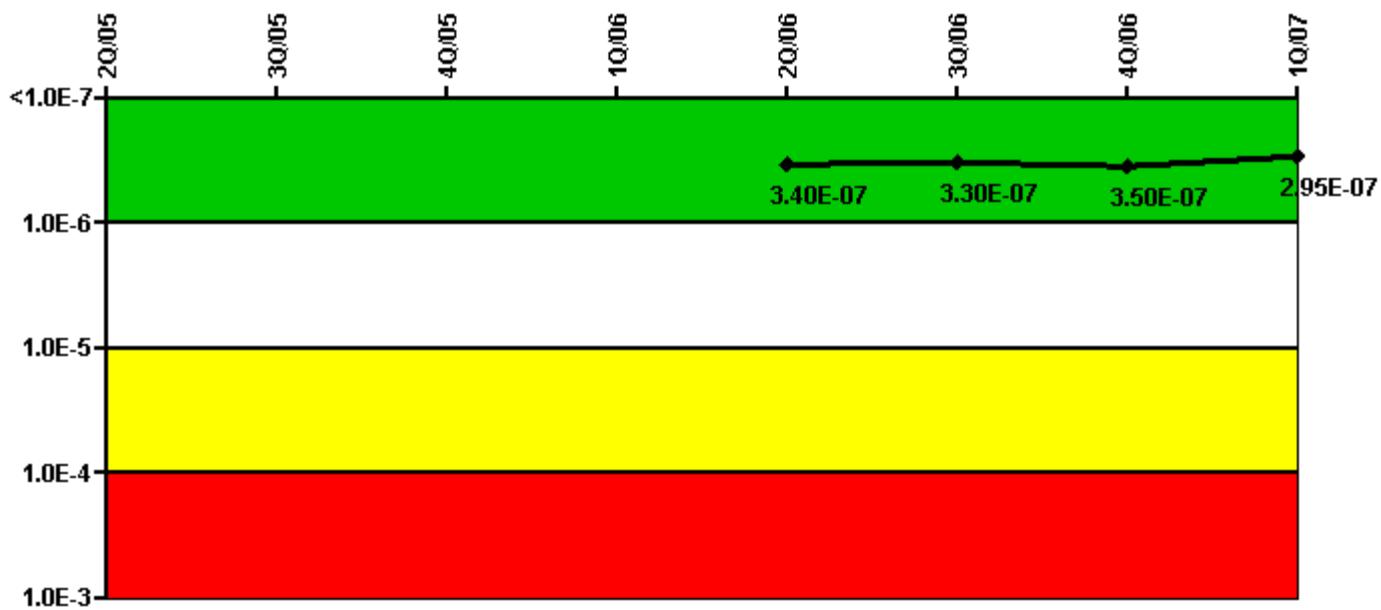
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (Δ CDF)					2.50E-07	2.50E-07	2.50E-07	5.80E-08
URI (Δ CDF)					-5.40E-07	-5.50E-07	-5.40E-07	-2.10E-07
PLE					NO	NO	NO	NO
Indicator value					-2.90E-07	-3.00E-07	-2.90E-07	-1.52E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



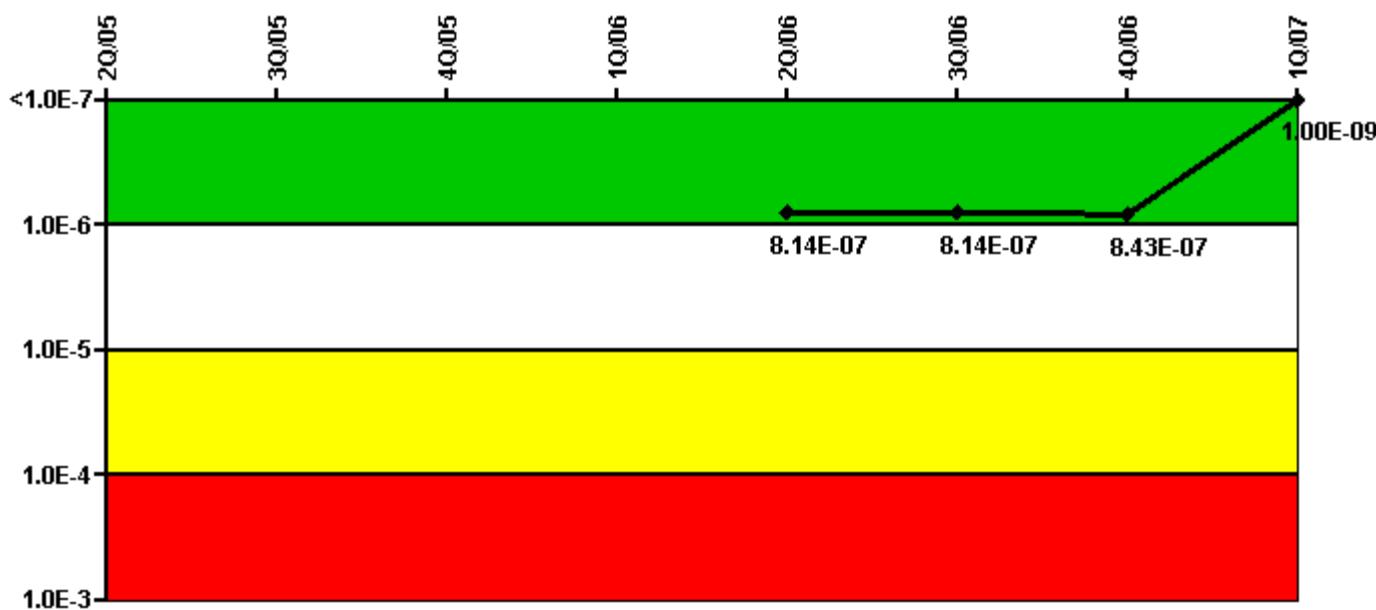
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (Δ CDF)					-2.00E-08	-2.00E-08	-2.00E-08	-1.50E-08
URI (Δ CDF)					3.60E-07	3.50E-07	3.70E-07	3.10E-07
PLE					NO	NO	NO	NO
Indicator value					3.40E-07	3.30E-07	3.50E-07	2.95E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



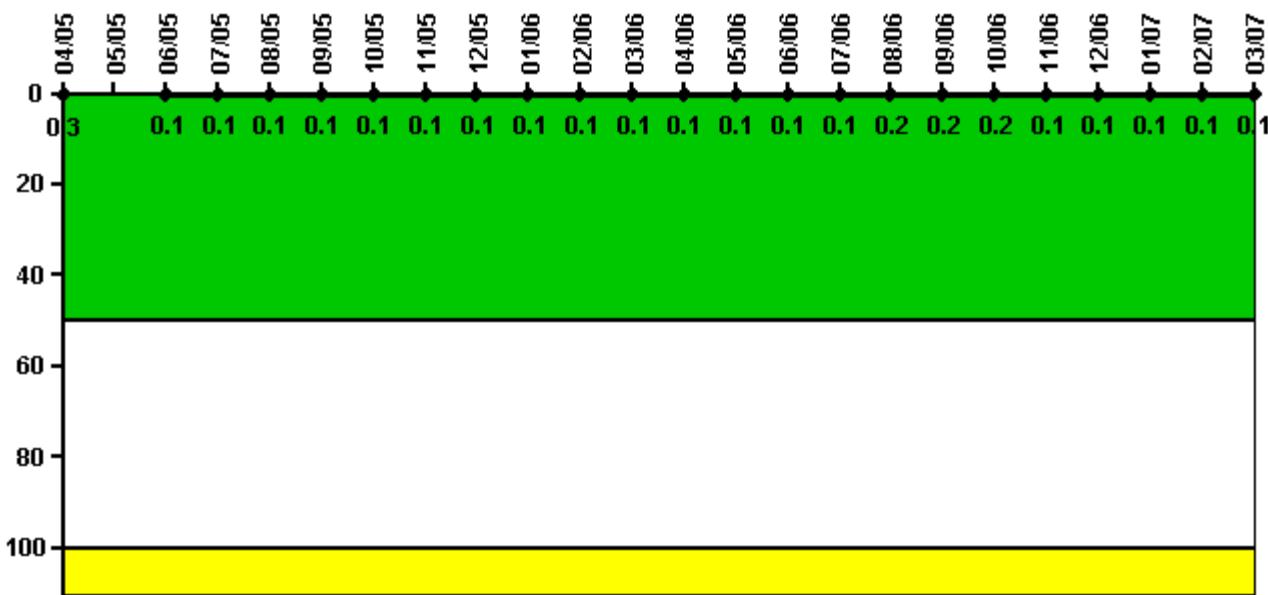
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (Δ CDF)					4.40E-08	4.40E-08	4.30E-08	3.90E-08
URI (Δ CDF)					7.70E-07	7.70E-07	8.00E-07	-3.80E-08
PLE					NO	NO	NO	NO
Indicator value					8.14E-07	8.14E-07	8.43E-07	1.00E-09

Licensee Comments: none

Reactor Coolant System Activity



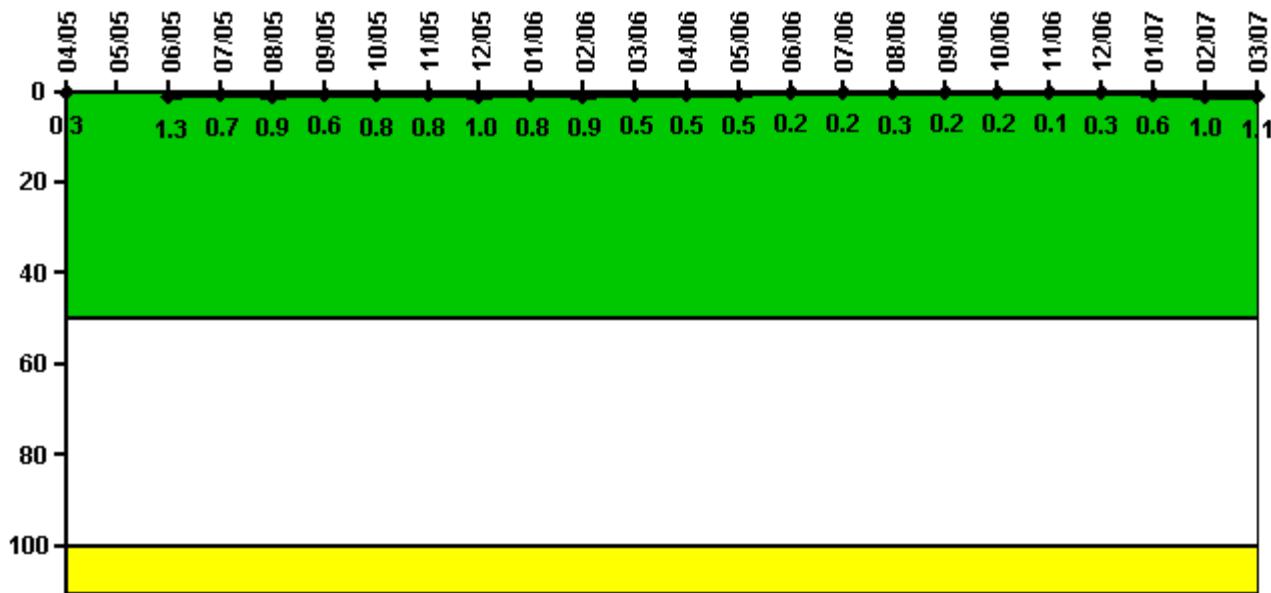
Thresholds: White > 50.0 Yellow > 100.0

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		0.002980	N/A	0.001050	0.000541	0.000556	0.000879	0.001100	0.001070	0.001150	0.001190	0.001240	0.001250
Technical specification limit		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value		0.3	N/A	0.1									
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		0.001270	0.001340	0.001410	0.001480	0.001600	0.001660	0.001640	0.000671	0.000782	0.000820	0.000828	0.000862
Technical specification limit		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value		0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



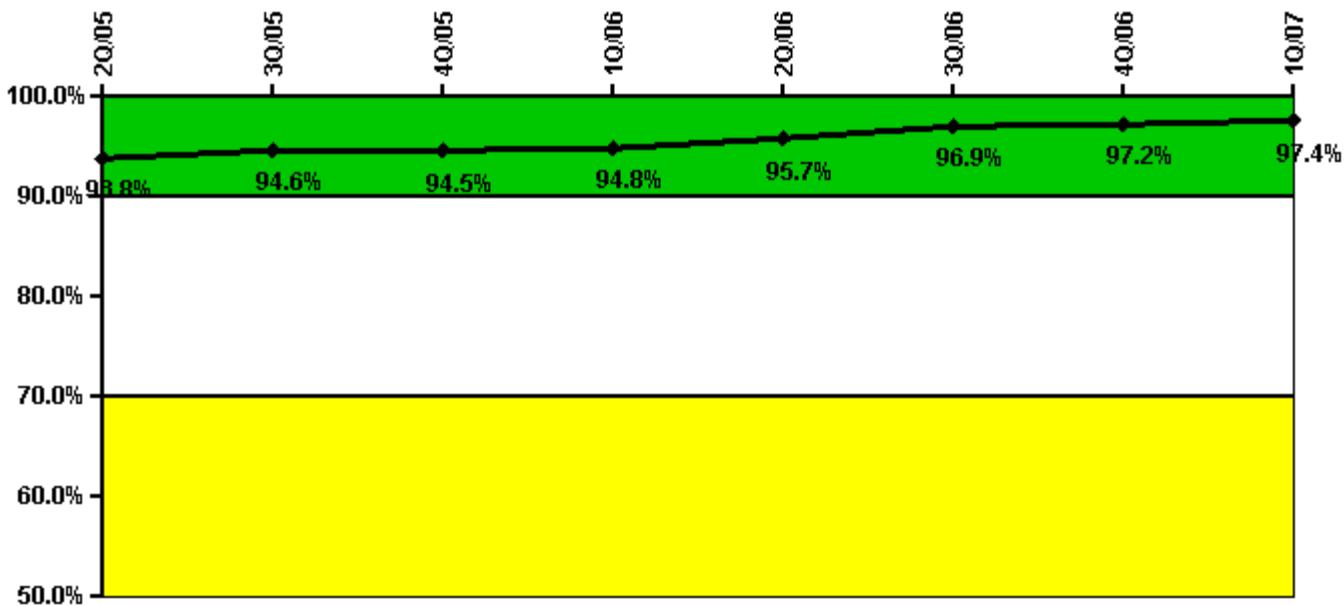
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum leakage	0.030	N/A	0.130	0.070	0.090	0.060	0.080	0.080	0.100	0.080	0.090	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	N/A	1.3	0.7	0.9	0.6	0.8	0.8	1.0	0.8	0.9	0.5
Reactor Coolant System Leakage	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum leakage	0.050	0.050	0.020	0.020	0.030	0.020	0.020	0.010	0.030	0.060	0.100	0.110
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.5	0.2	0.2	0.3	0.2	0.2	0.1	0.3	0.6	1.0	1.1

Licensee Comments: none

Drill/Exercise Performance



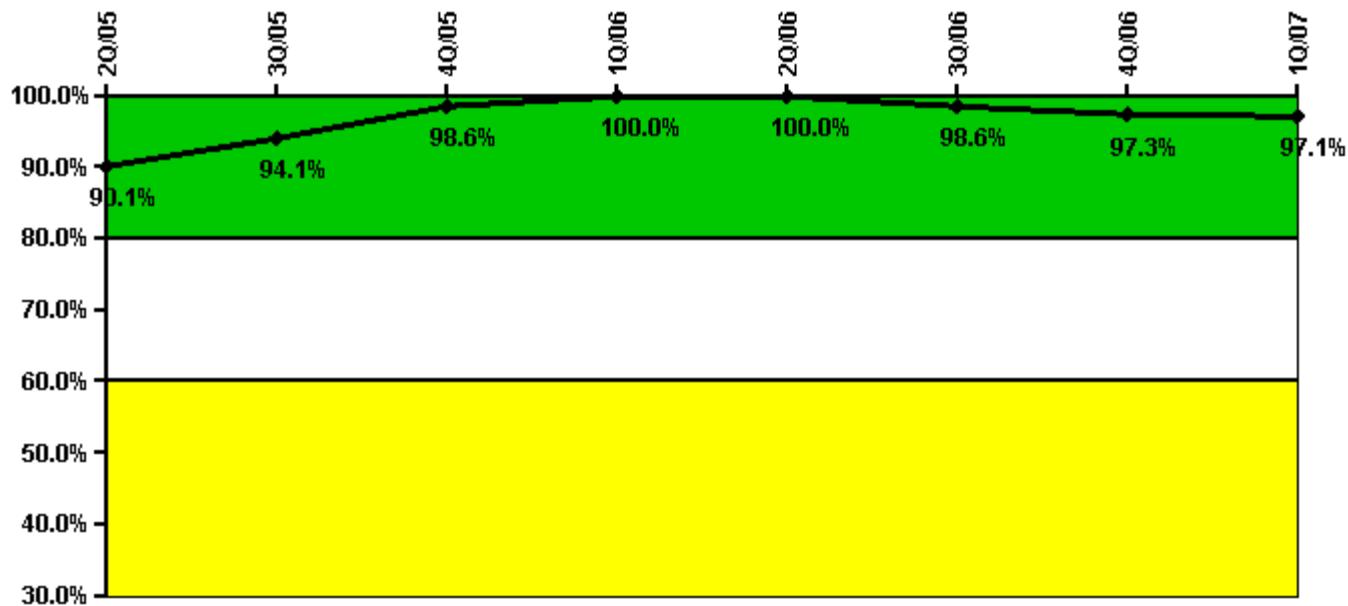
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful opportunities	41.0	53.0	11.0	57.0	38.0	29.0	0	31.0
Total opportunities	42.0	55.0	12.0	59.0	38.0	29.0	0	32.0
Indicator value	93.8%	94.6%	94.5%	94.8%	95.7%	96.9%	97.2%	97.4%

Licensee Comments: none

ERO Drill Participation



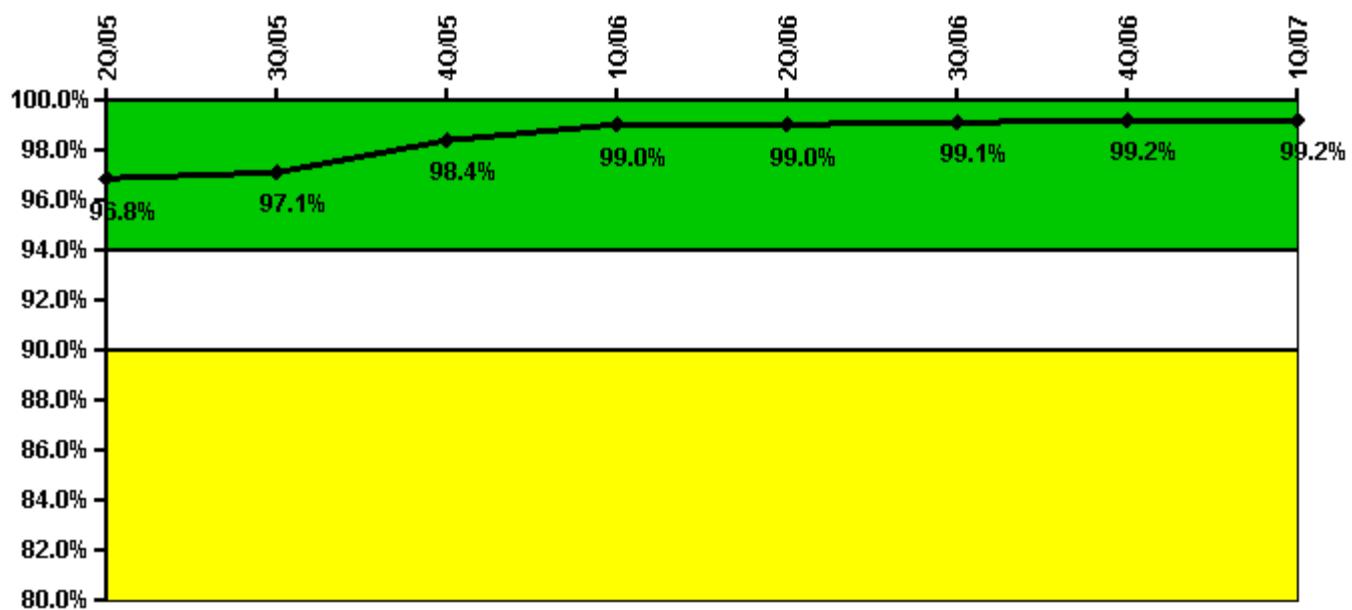
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Participating Key personnel	64.0	64.0	73.0	75.0	71.0	71.0	71.0	66.0
Total Key personnel	71.0	68.0	74.0	75.0	71.0	72.0	73.0	68.0
Indicator value	90.1%	94.1%	98.6%	100.0%	100.0%	98.6%	97.3%	97.1%

Licensee Comments: none

Alert & Notification System



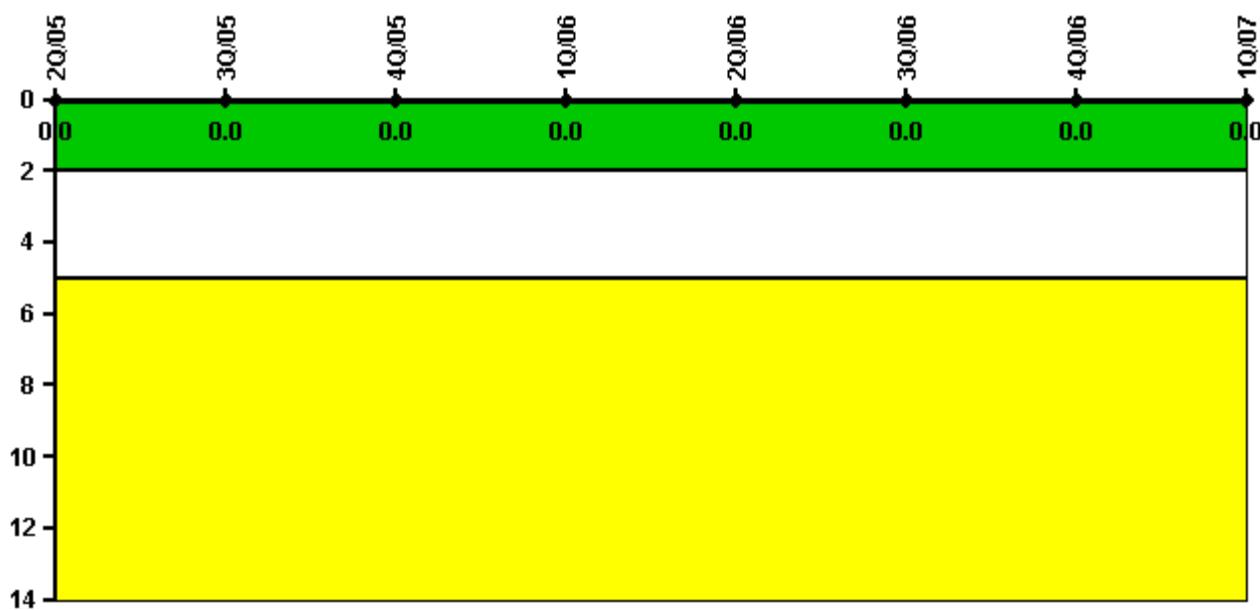
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful siren-tests	840	731	823	737	735	736	840	738
Total sirens-tests	846	742	832	742	742	742	848	742
Indicator value	96.8%	97.1%	98.4%	99.0%	99.0%	99.1%	99.2%	99.2%

Licensee Comments: none

Occupational Exposure Control Effectiveness



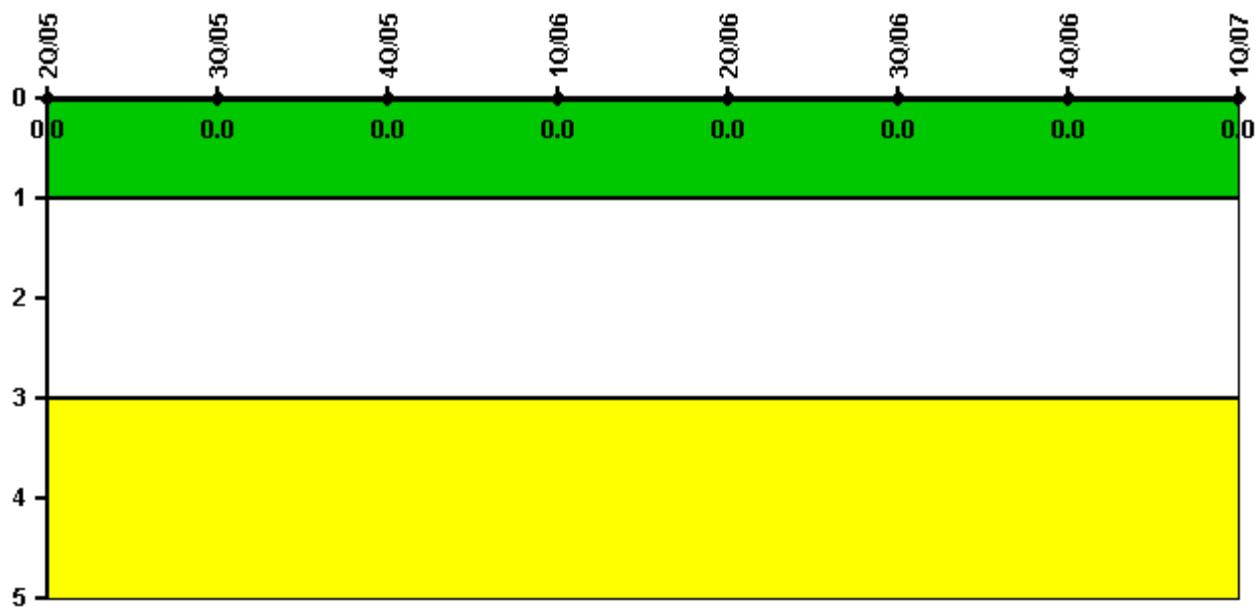
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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

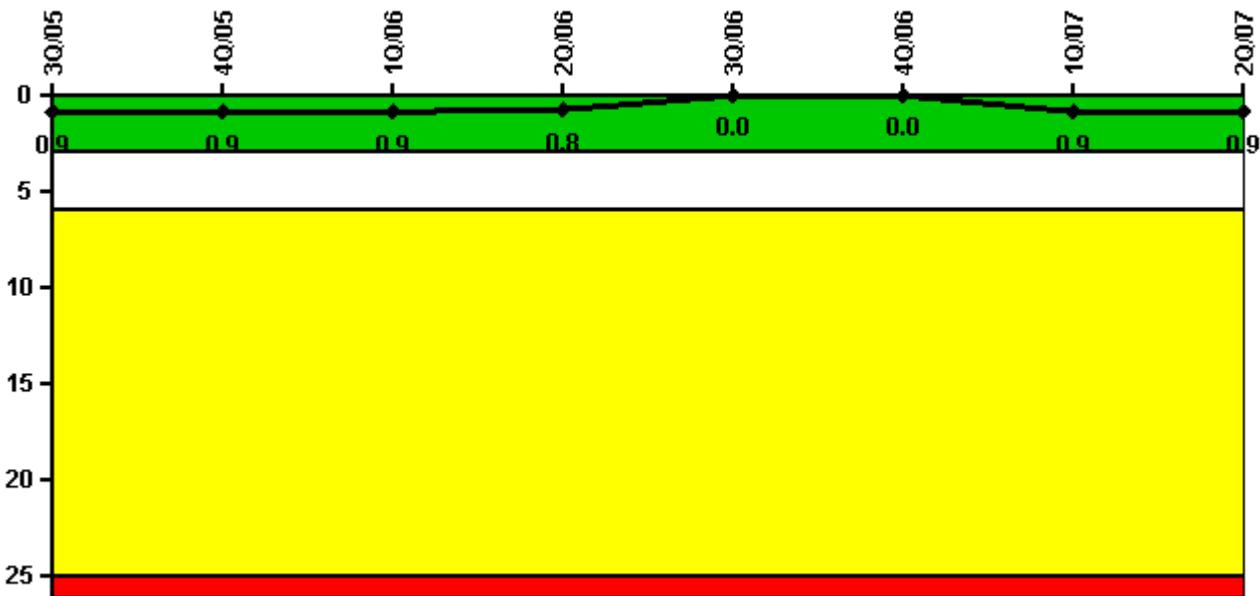
[Physical Protection](#) information not publicly available.

Summer

2Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned scrams	1.0	0	0	0	0	0	1.0	0
Critical hours	2165.1	2209.0	2160.0	2183.0	2208.0	1296.0	2126.5	2184.0
Indicator value	0.9	0.9	0.9	0.8	0	0	0.9	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



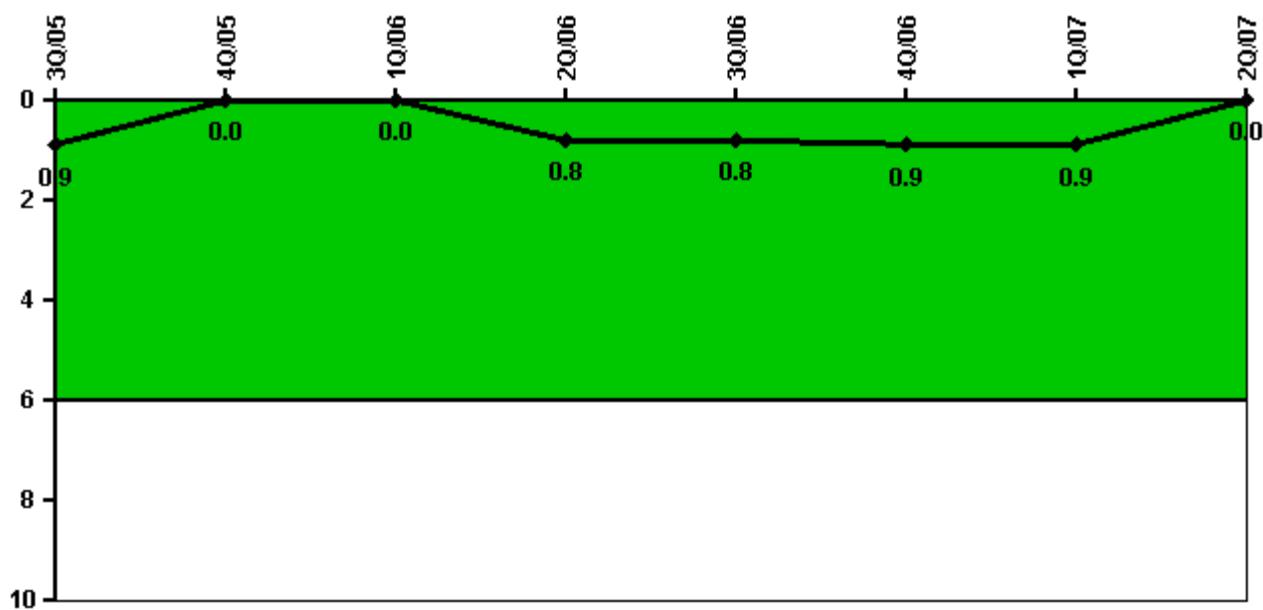
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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



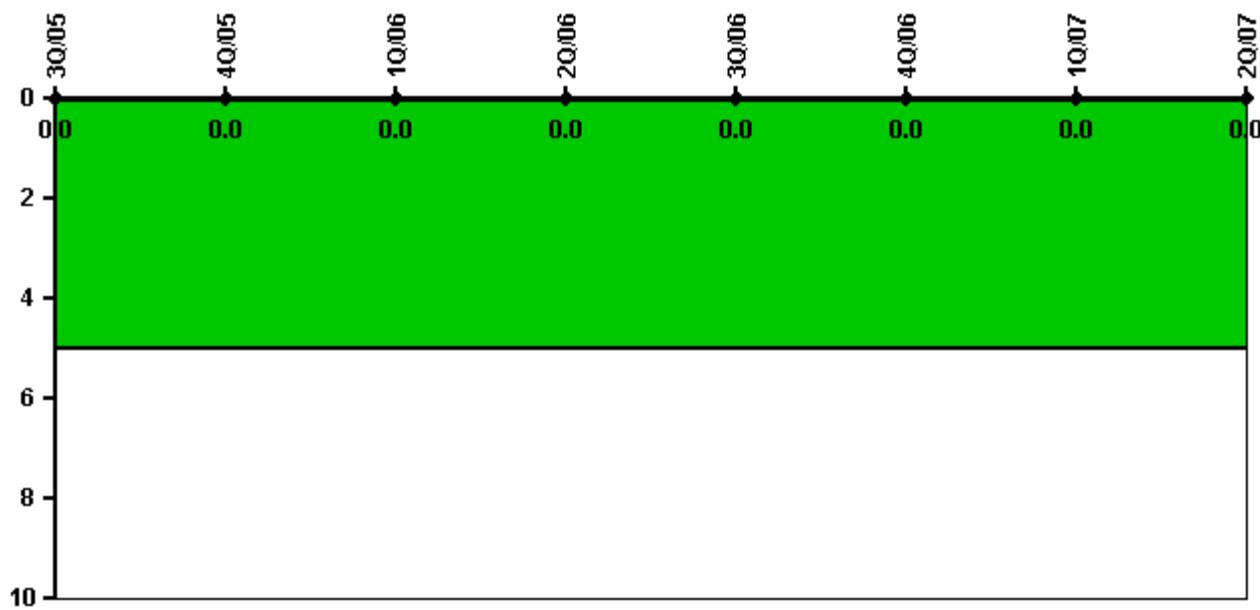
Thresholds: White > 6.0

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	1.0	0	0	0	0
Critical hours	2165.1	2209.0	2160.0	2183.0	2208.0	1296.0	2126.5	2184.0
Indicator value	0.9	0	0	0.8	0.8	0.9	0.9	0

Licensee Comments: none

Safety System Functional Failures (PWR)



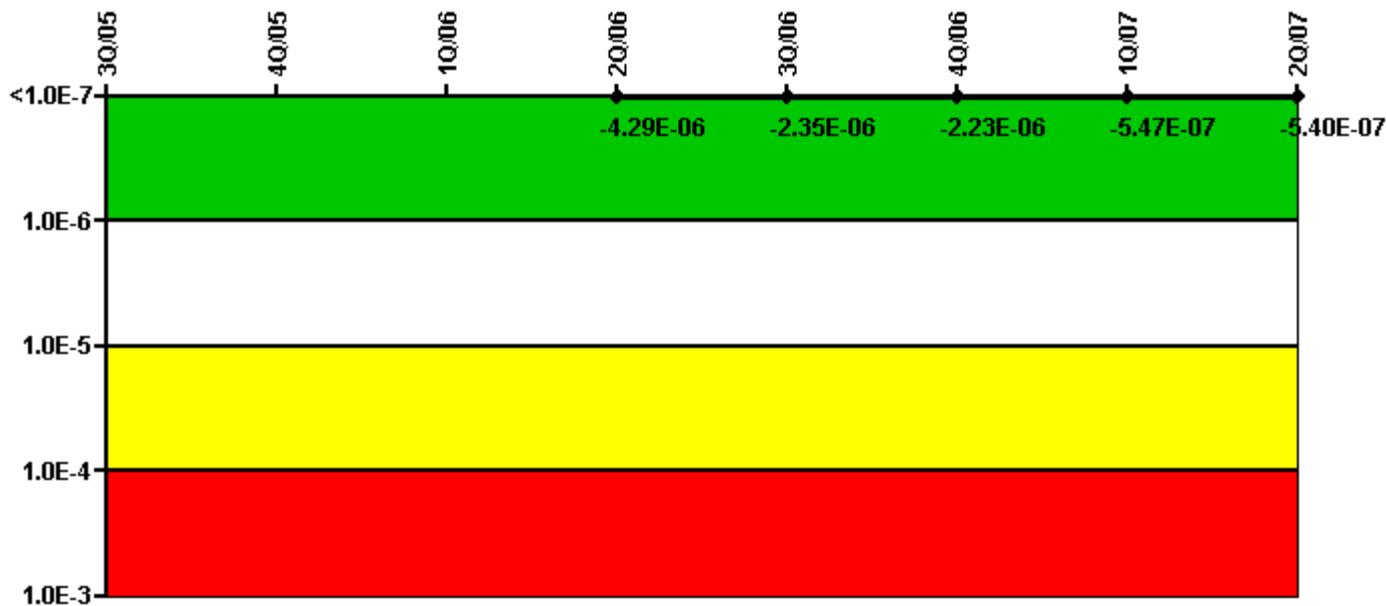
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



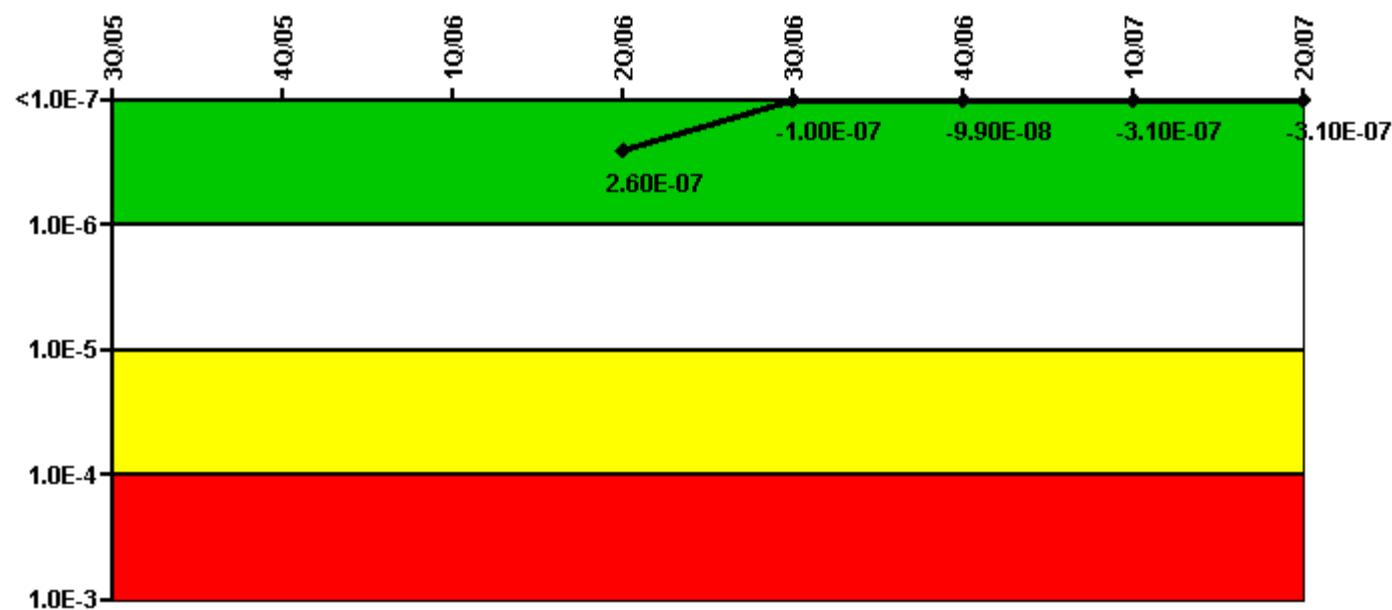
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				-9.40E-08	1.50E-07	2.70E-07	8.30E-08	8.00E-08
URI (Δ CDF)				-4.20E-06	-2.50E-06	-2.50E-06	-6.30E-07	-6.20E-07
PLE				NO	NO	NO	NO	NO
Indicator value				-4.29E-06	-2.35E-06	-2.23E-06	-5.47E-07	-5.40E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



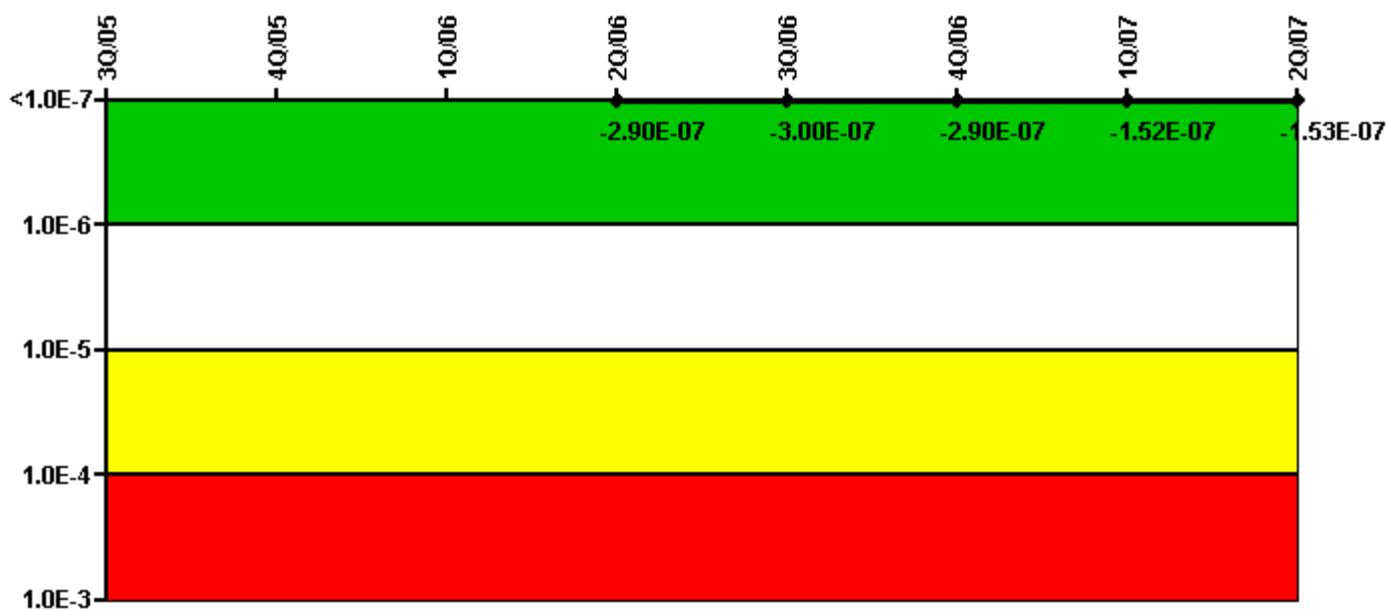
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				-2.00E-08	-2.90E-08	-2.90E-08	-2.00E-07	-2.00E-07
URI (Δ CDF)				2.80E-07	-7.10E-08	-7.00E-08	-1.10E-07	-1.10E-07
PLE				NO	NO	NO	NO	NO
Indicator value				2.60E-07	-1.00E-07	-9.90E-08	-3.10E-07	-3.10E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



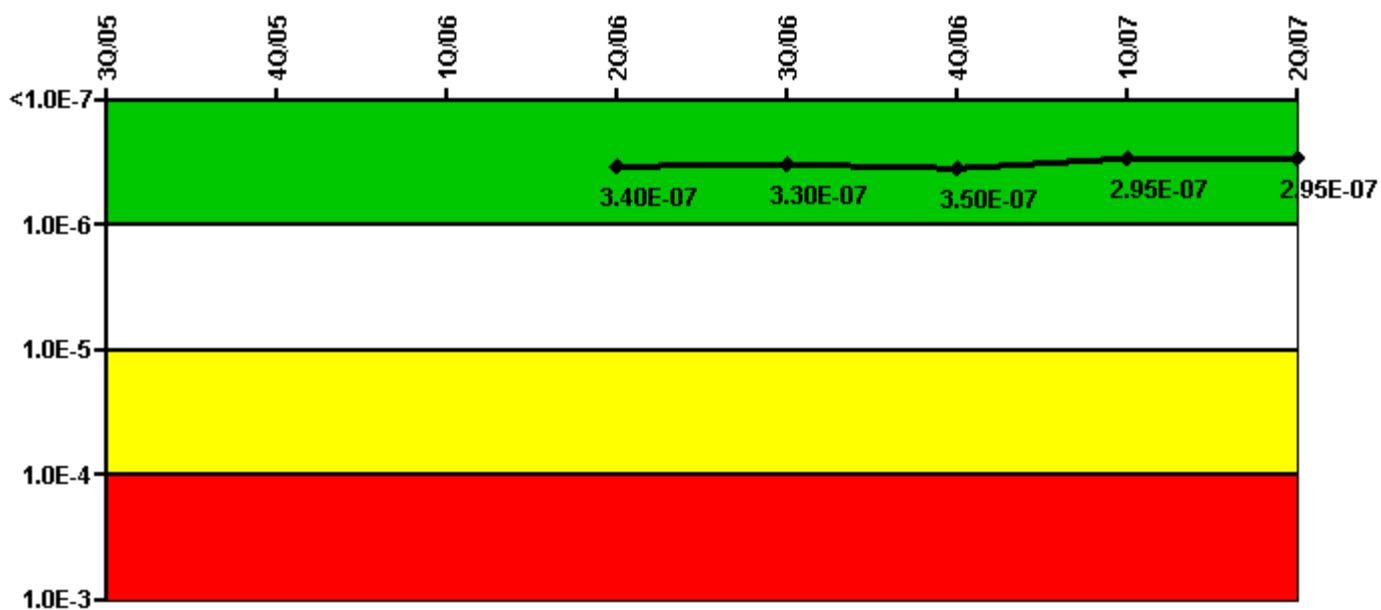
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				2.50E-07	2.50E-07	2.50E-07	5.80E-08	5.70E-08
URI (Δ CDF)				-5.40E-07	-5.50E-07	-5.40E-07	-2.10E-07	-2.10E-07
PLE				NO	NO	NO	NO	NO
Indicator value				-2.90E-07	-3.00E-07	-2.90E-07	-1.52E-07	-1.53E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



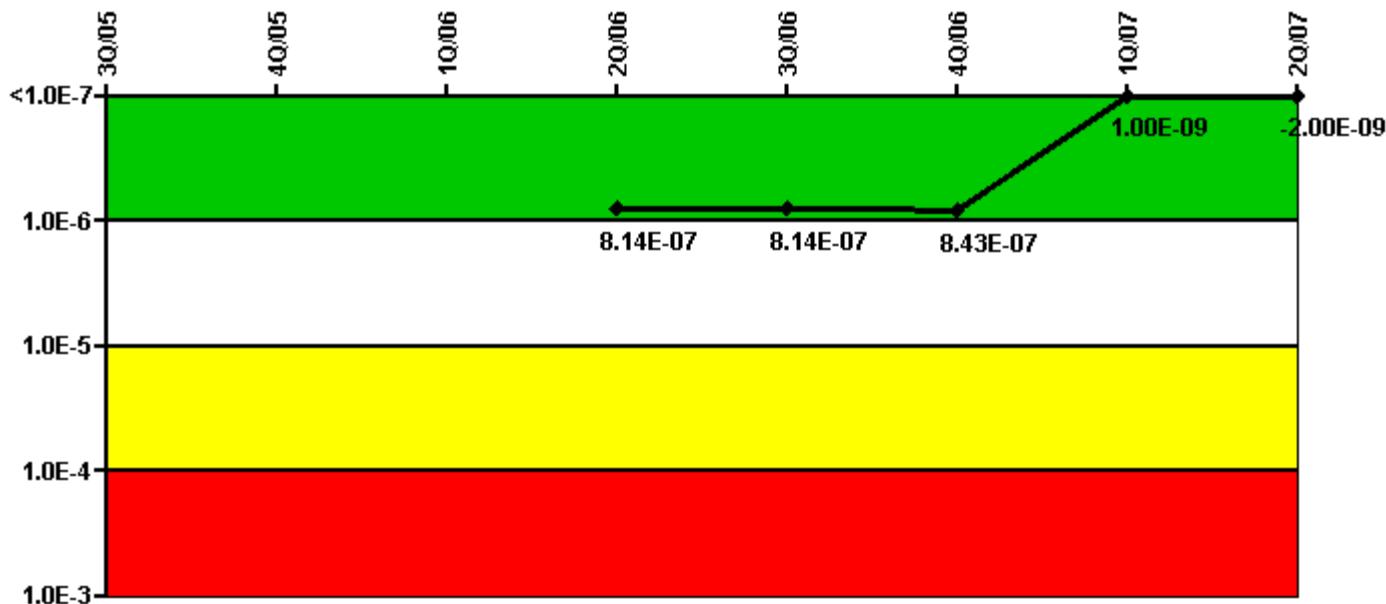
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				-2.00E-08	-2.00E-08	-2.00E-08	-1.50E-08	-1.50E-08
URI (Δ CDF)				3.60E-07	3.50E-07	3.70E-07	3.10E-07	3.10E-07
PLE				NO	NO	NO	NO	NO
Indicator value				3.40E-07	3.30E-07	3.50E-07	2.95E-07	2.95E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

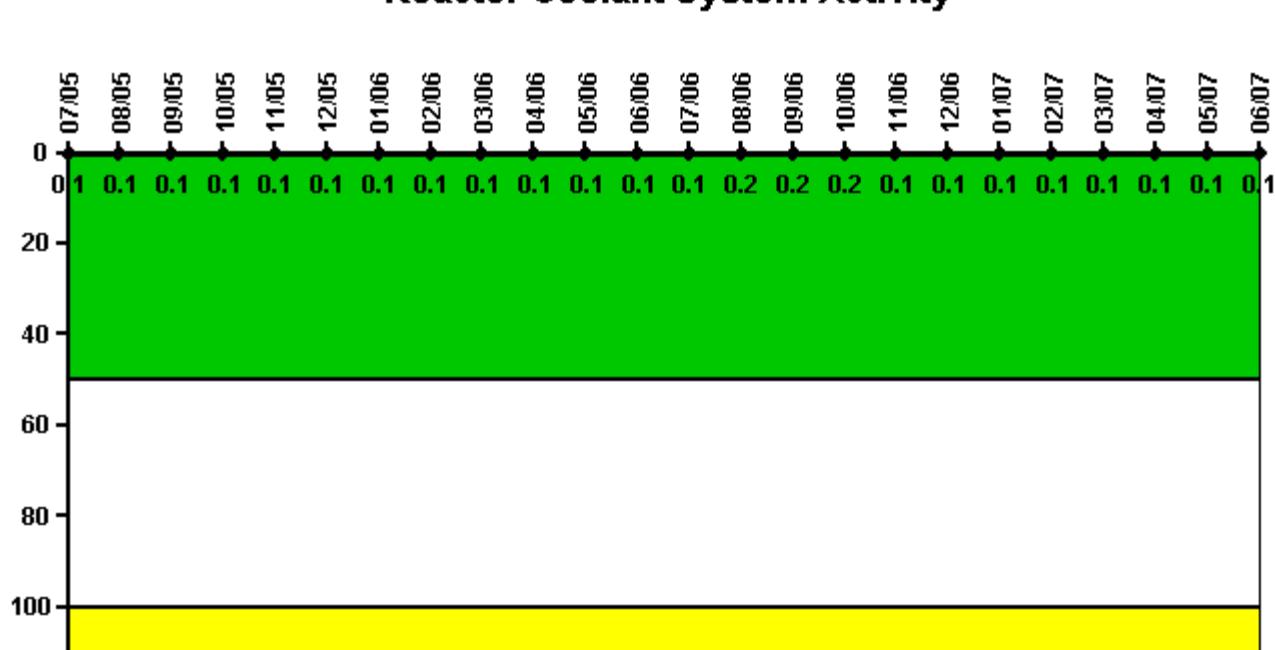


Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				$4.40E-08$	$4.40E-08$	$4.30E-08$	$3.90E-08$	$3.80E-08$
URI (Δ CDF)				$7.70E-07$	$7.70E-07$	$8.00E-07$	$-3.80E-08$	$-4.00E-08$
PLE				NO	NO	NO	NO	NO
Indicator value				$8.14E-07$	$8.14E-07$	$8.43E-07$	$1.00E-09$	$-2.00E-09$

Licensee Comments: none

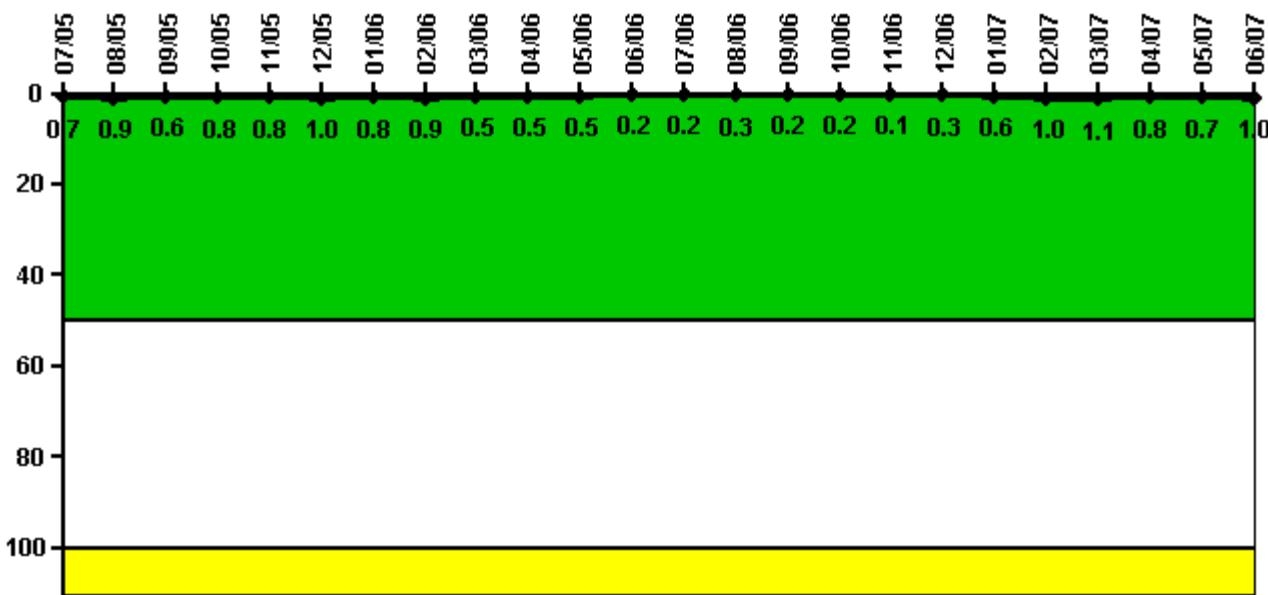


Thresholds: White > 50.0 Yellow > 100.0

Notes

Licensee Comments: none

Reactor Coolant System Leakage



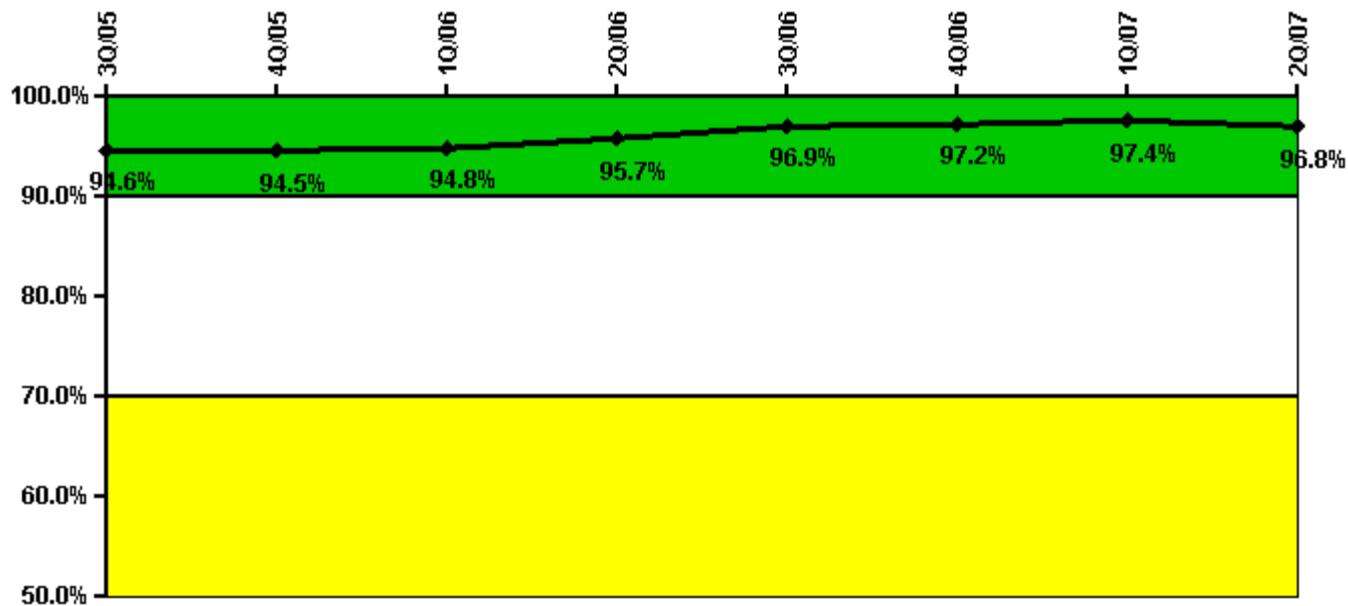
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum leakage	0.070	0.090	0.060	0.080	0.080	0.100	0.080	0.090	0.050	0.050	0.050	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.7	0.9	0.6	0.8	0.8	1.0	0.8	0.9	0.5	0.5	0.5	0.2
Reactor Coolant System Leakage	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum leakage	0.020	0.030	0.020	0.020	0.010	0.030	0.060	0.100	0.110	0.080	0.070	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.3	0.2	0.2	0.1	0.3	0.6	1.0	1.1	0.8	0.7	1.0

Licensee Comments: none

Drill/Exercise Performance



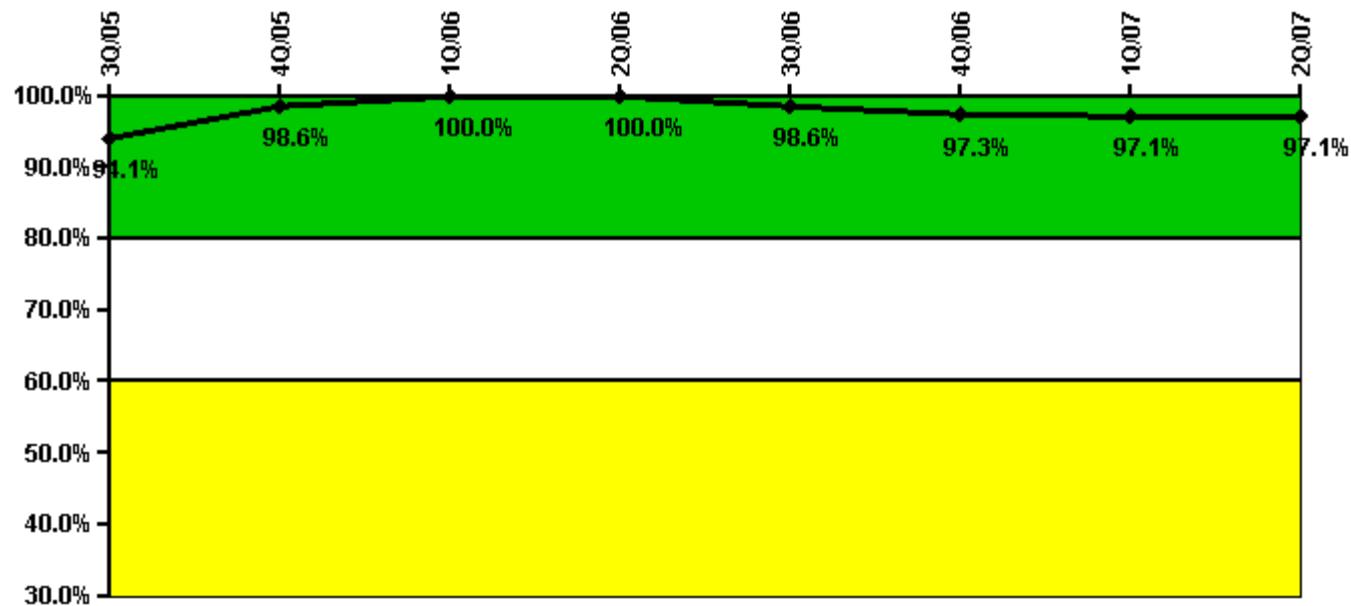
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful opportunities	53.0	11.0	57.0	38.0	29.0	0	31.0	22.0
Total opportunities	55.0	12.0	59.0	38.0	29.0	0	32.0	24.0
Indicator value	94.6%	94.5%	94.8%	95.7%	96.9%	97.2%	97.4%	96.8%

Licensee Comments: none

ERO Drill Participation



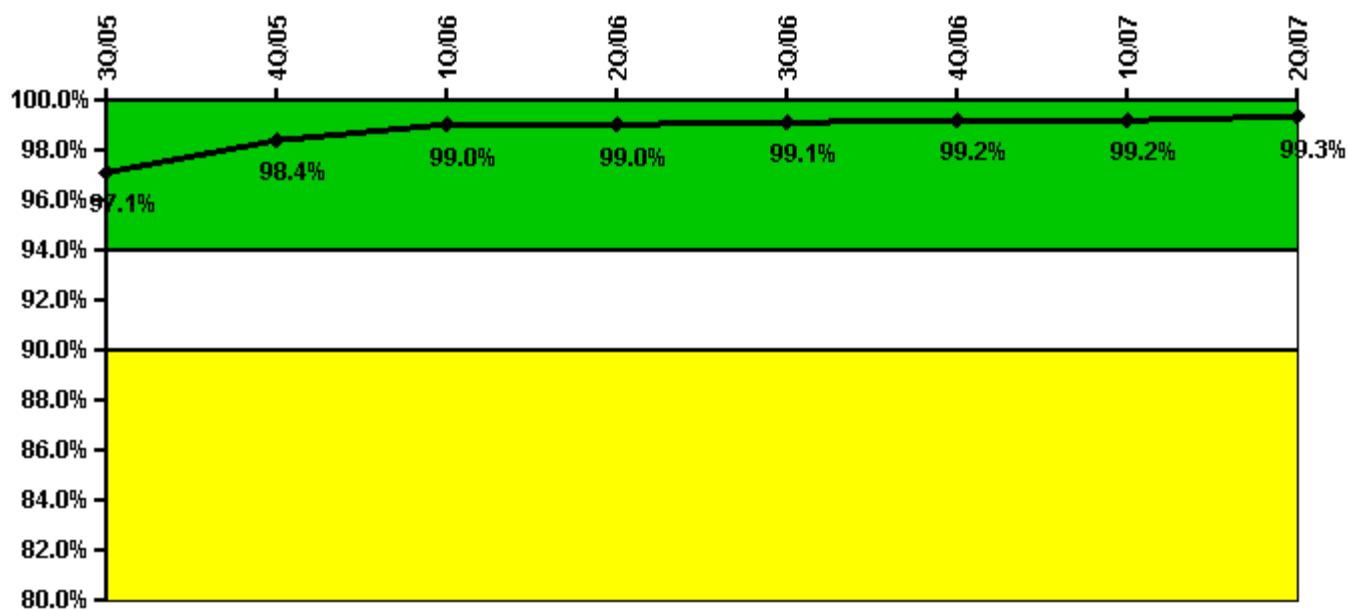
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Participating Key personnel	64.0	73.0	75.0	71.0	71.0	71.0	66.0	66.0
Total Key personnel	68.0	74.0	75.0	71.0	72.0	73.0	68.0	68.0
Indicator value	94.1%	98.6%	100.0%	100.0%	98.6%	97.3%	97.1%	97.1%

Licensee Comments: none

Alert & Notification System



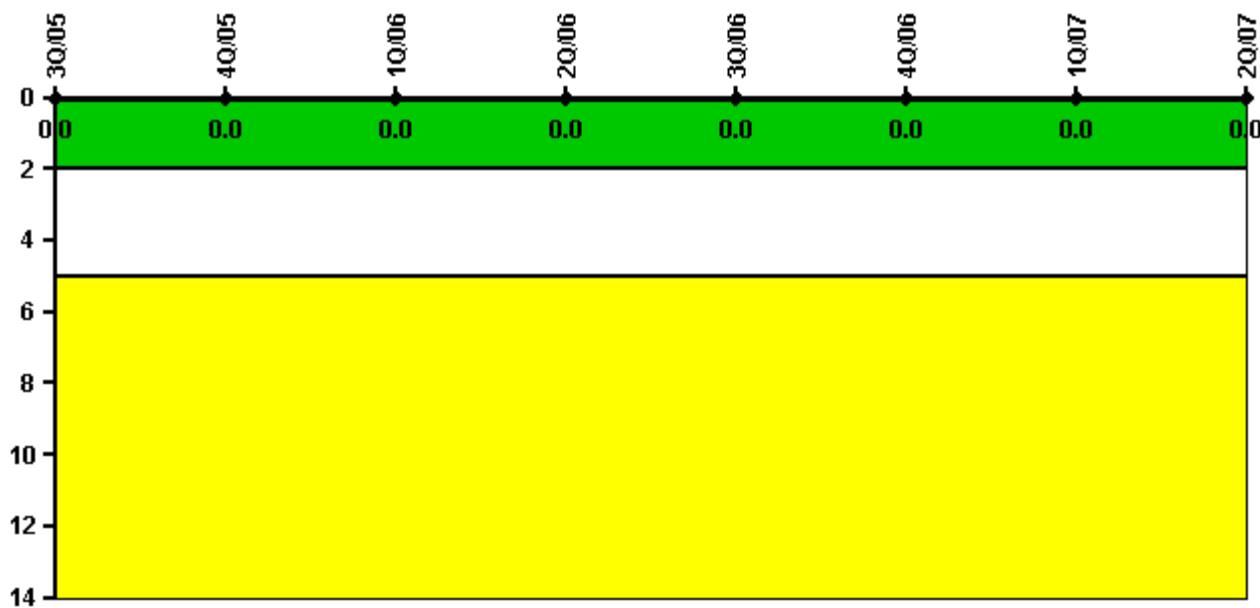
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful siren-tests	731	823	737	735	736	840	738	845
Total sirens-tests	742	832	742	742	742	848	742	848
Indicator value	97.1%	98.4%	99.0%	99.0%	99.1%	99.2%	99.2%	99.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness



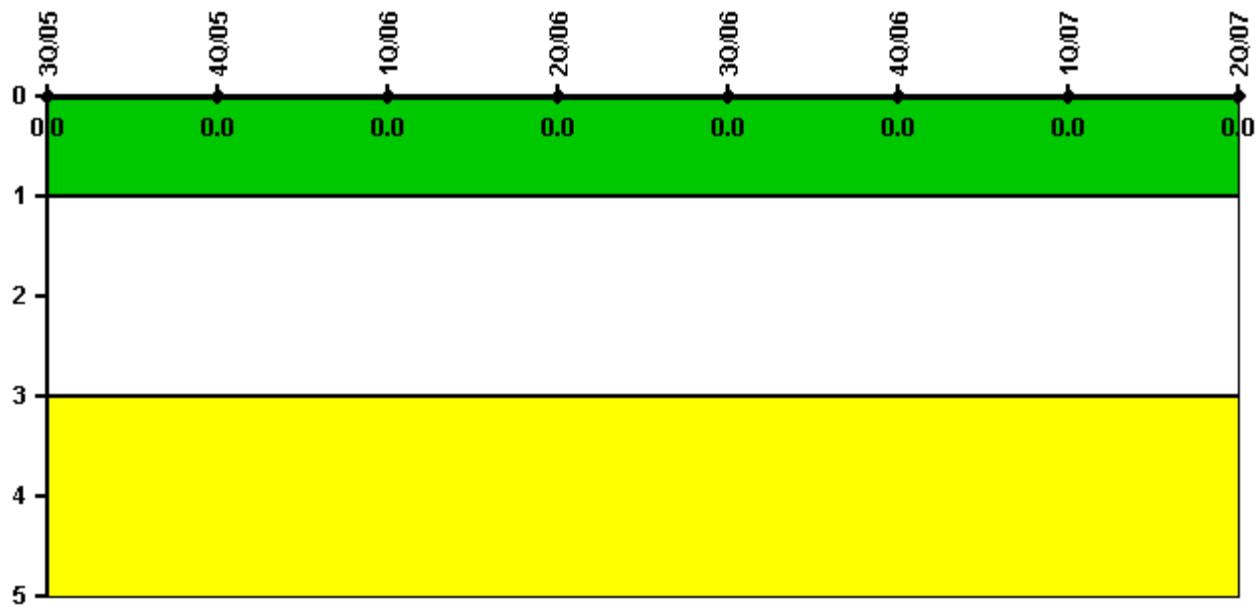
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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

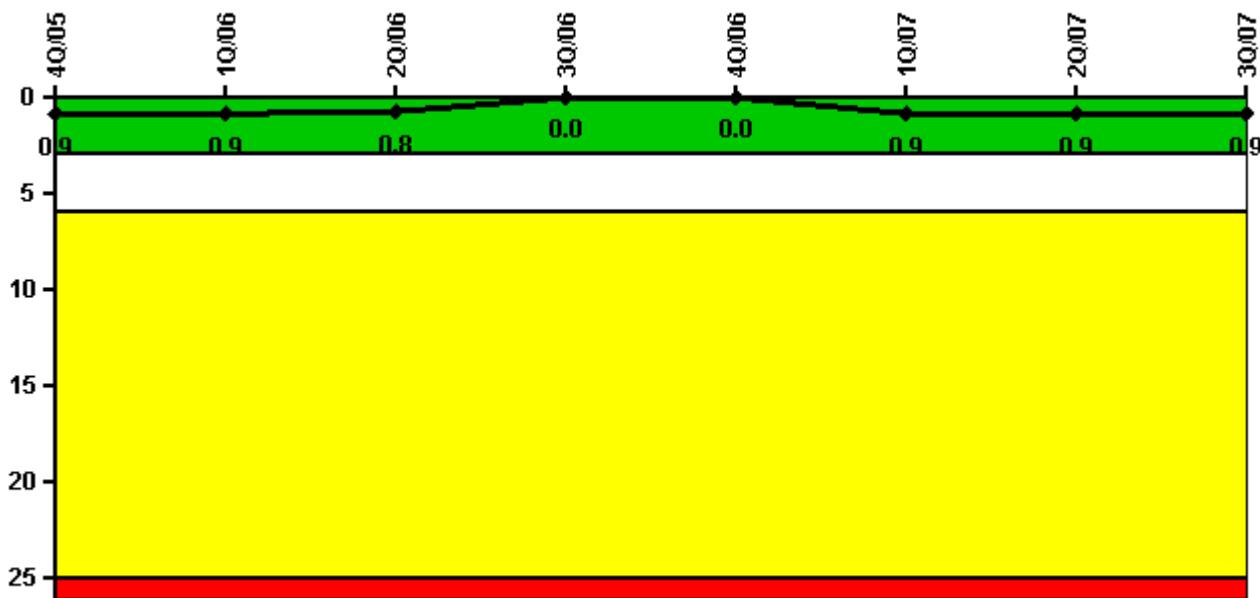
[Physical Protection](#) information not publicly available.

Summer

3Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



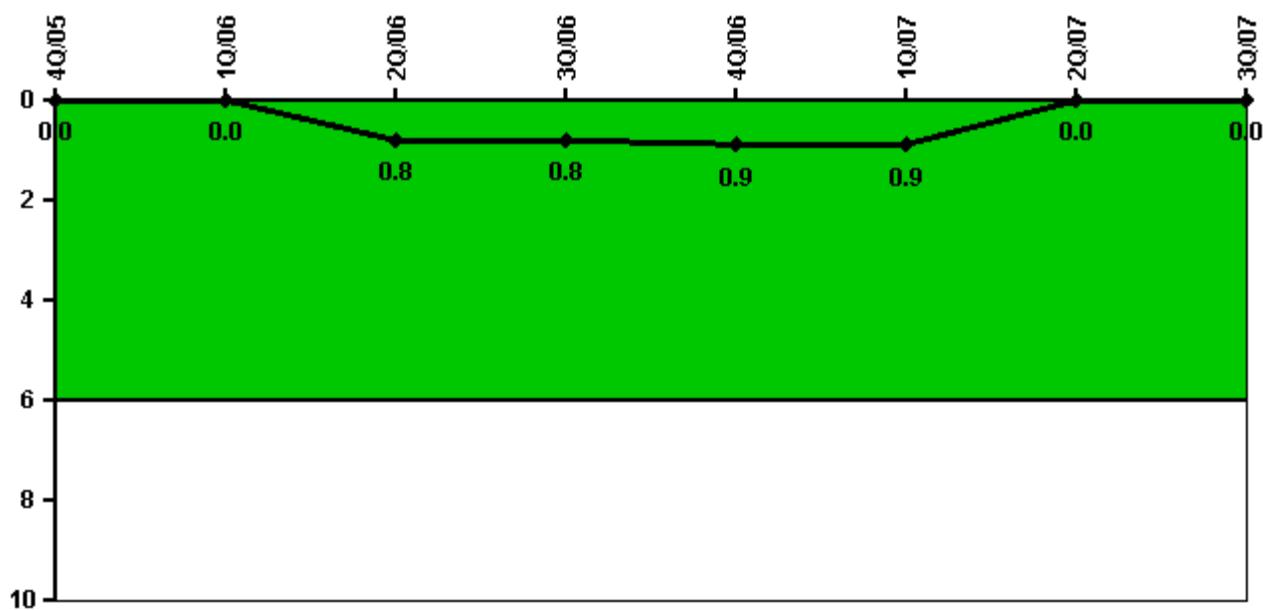
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2209.0	2160.0	2183.0	2208.0	1296.0	2126.5	2184.0	2208.0
Indicator value	0.9	0.9	0.8	0	0	0.9	0.9	0.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



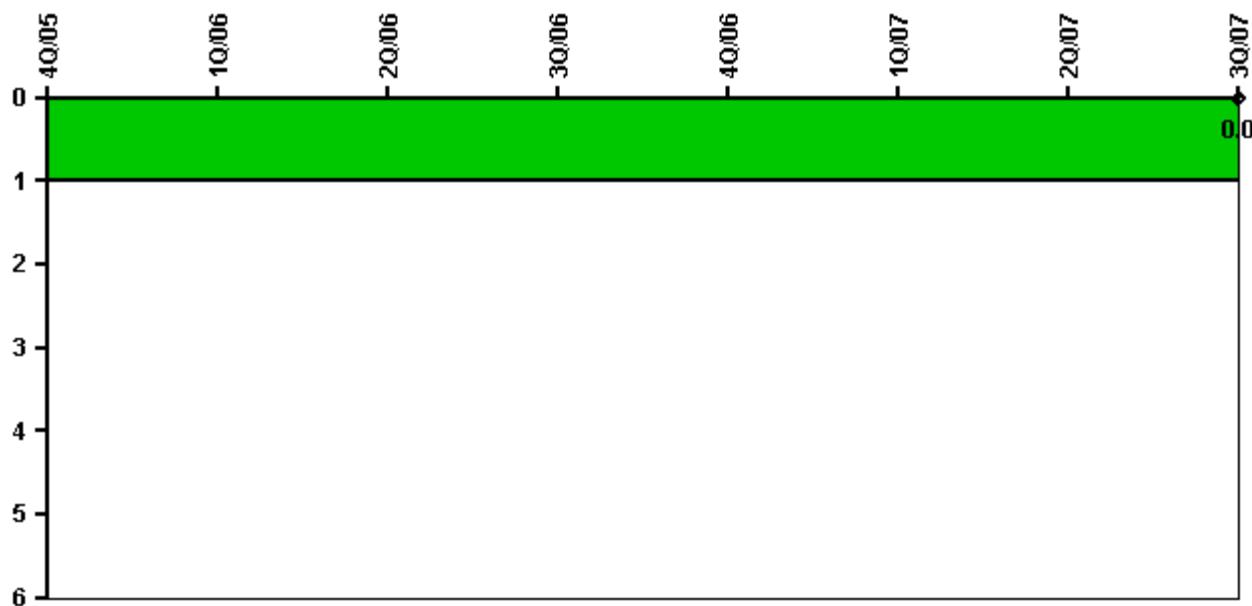
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2209.0	2160.0	2183.0	2208.0	1296.0	2126.5	2184.0	2208.0
Indicator value	0	0	0.8	0.8	0.9	0.9	0	0

Licensee Comments: none

Unplanned Scrams with Complications



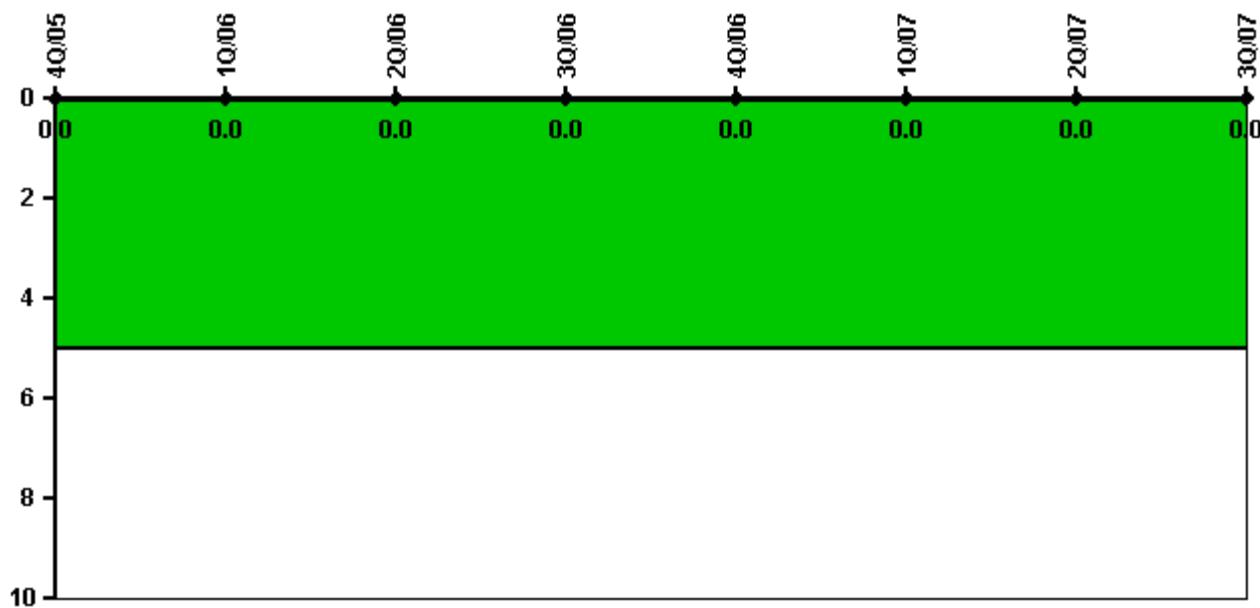
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



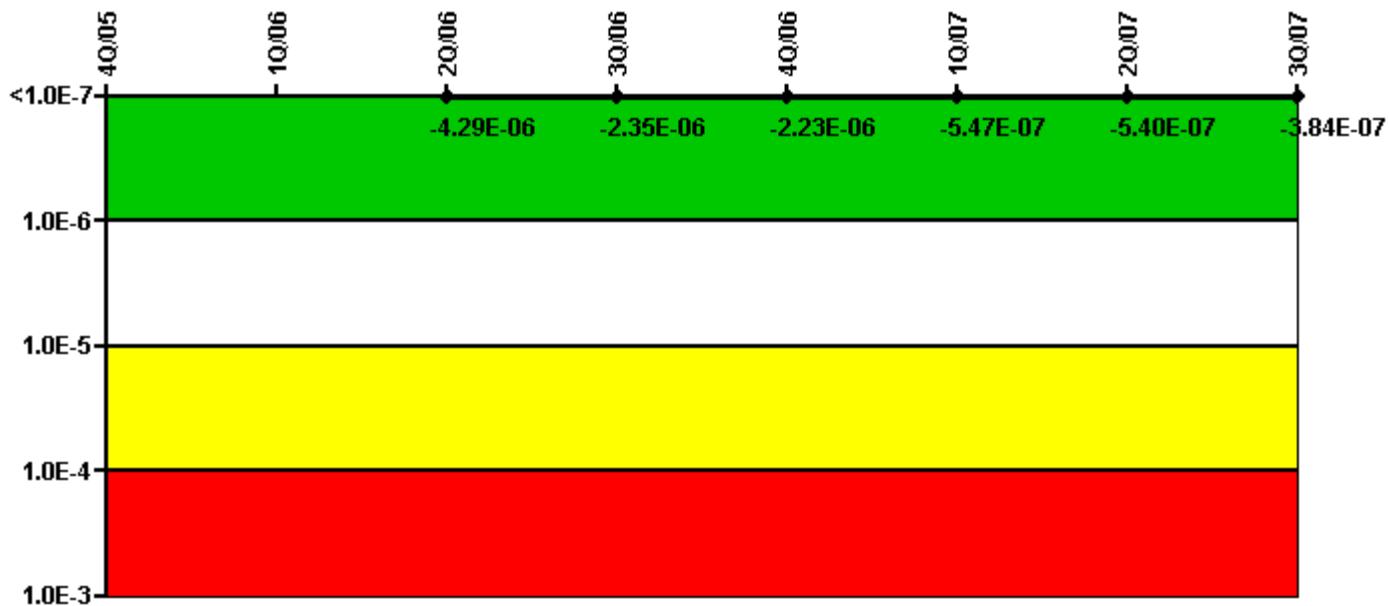
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

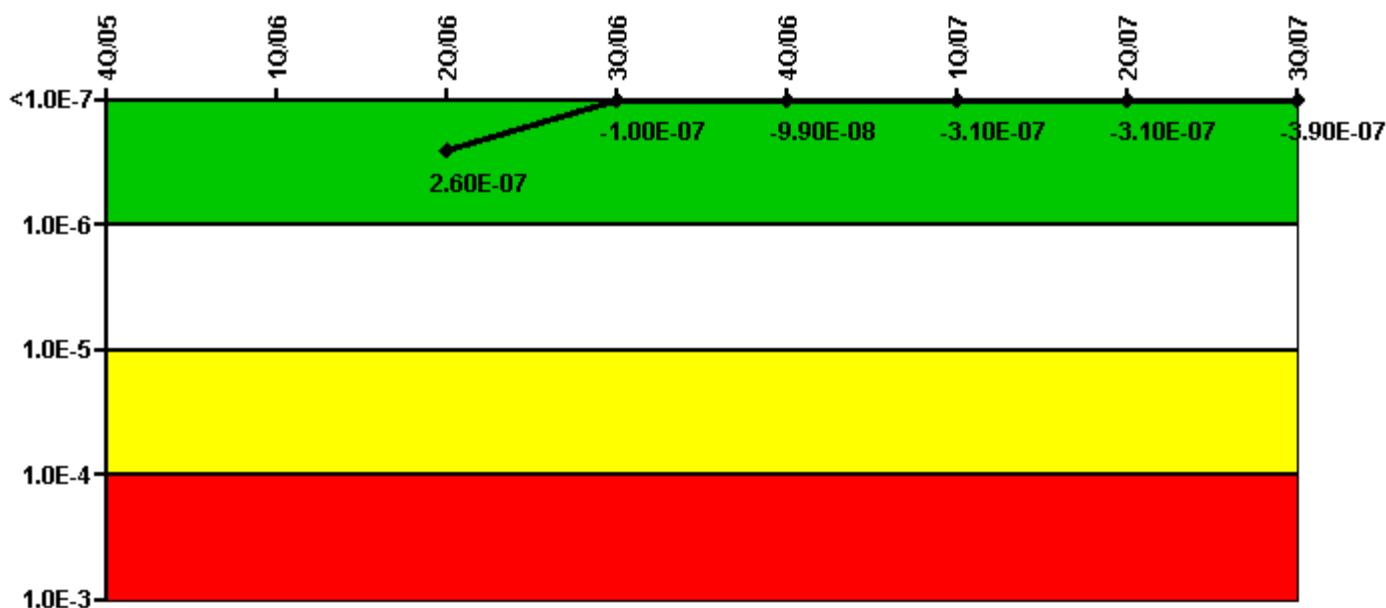
Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			-9.40E-08	1.50E-07	2.70E-07	8.30E-08	8.00E-08	8.60E-08
URI (ΔCDF)			-4.20E-06	-2.50E-06	-2.50E-06	-6.30E-07	-6.20E-07	-4.70E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			-4.29E-06	-2.35E-06	-2.23E-06	-5.47E-07	-5.40E-07	-3.84E-07

Licensee Comments:

3Q/07: Periodic review of PRA model resulted in 0.05% change in Core Damage Frequency.

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 (Δ CDF)			-2.00E-08	-2.90E-08	-2.90E-08	-2.00E-07	-2.00E-07	-1.50E-07
URI (Δ CDF)			2.80E-07	-7.10E-08	-7.00E-08	-1.10E-07	-1.10E-07	-2.40E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			2.60E-07	-1.00E-07	-9.90E-08	-3.10E-07	-3.10E-07	-3.90E-07

Licensee Comments:

3Q/07: Periodic review of PRA model resulted in 0.05% change in Core Damage Frequency

Mitigating Systems Performance Index, Heat Removal System



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

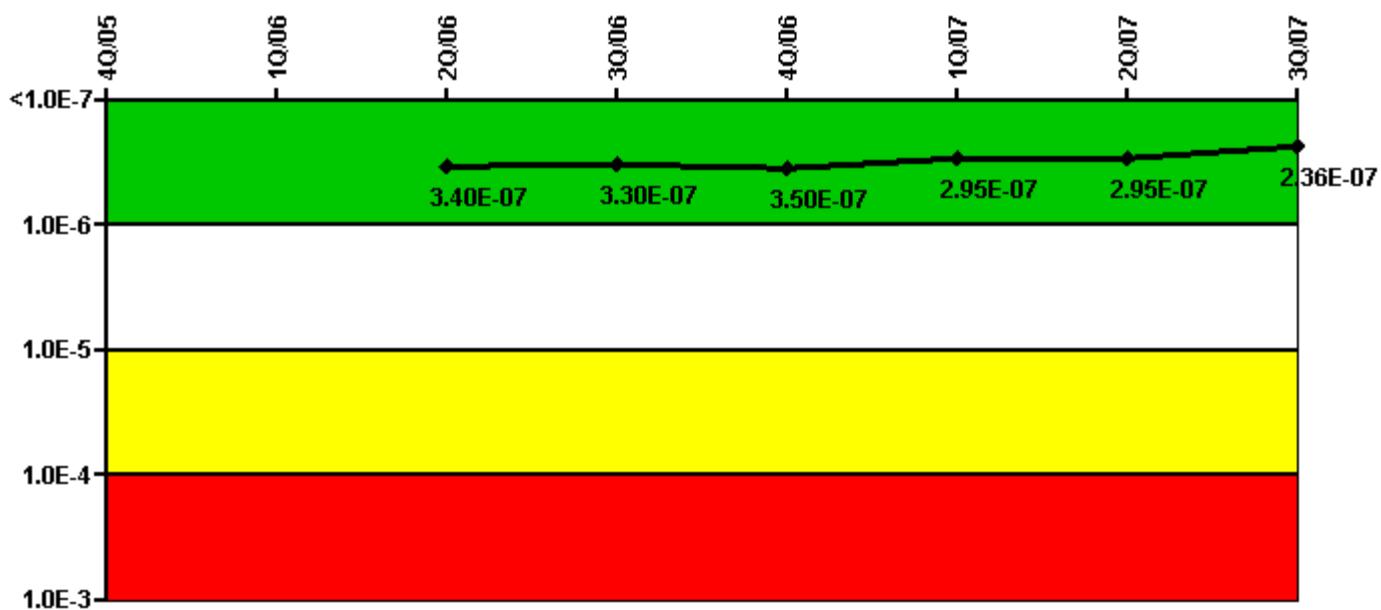
Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	
UAI (Δ CDF)				2.50E-07	2.50E-07	2.50E-07	5.80E-08	5.70E-08	3.40E-08
URI (Δ CDF)				-5.40E-07	-5.40E-07	-5.40E-07	-2.10E-07	-2.10E-07	-1.00E-07
PLE				NO	NO	NO	NO	NO	NO
Indicator value				-2.90E-07	-2.90E-07	-2.90E-07	-1.52E-07	-1.53E-07	-6.60E-08

Licensee Comments:

3Q/07: Periodic review of PRA model resulted in 0.05% change in Core Damage Frequency

Mitigating Systems Performance Index, Residual Heat Removal System



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

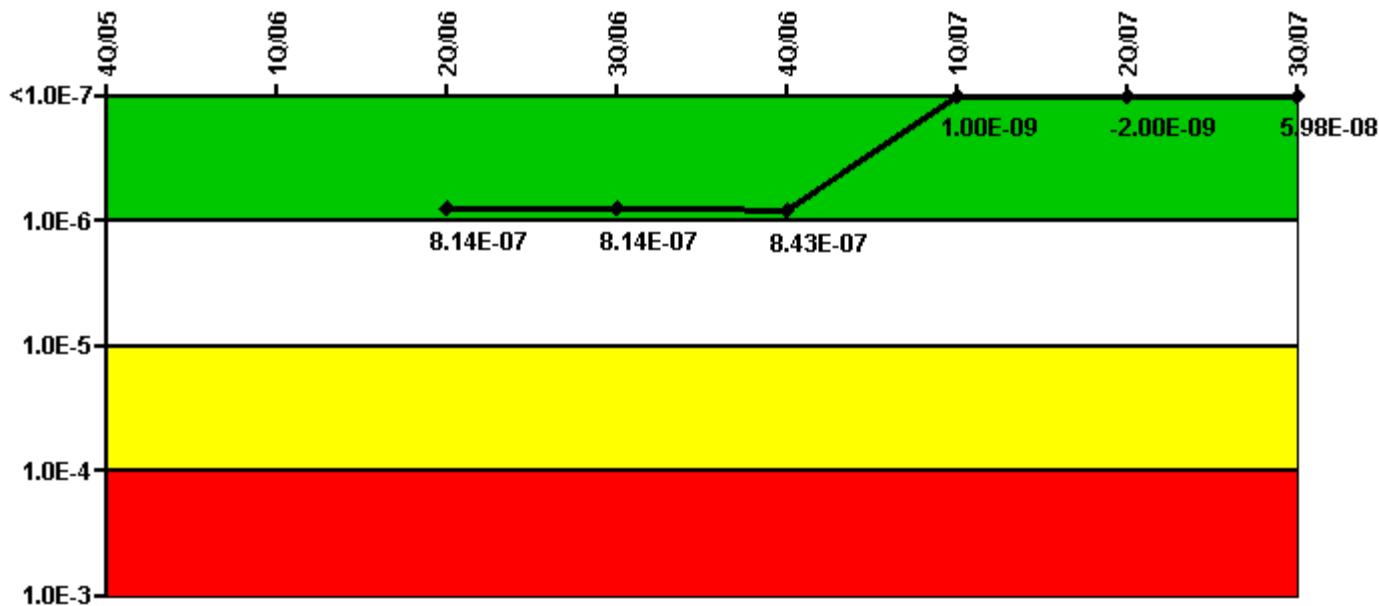
Notes

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 (Δ CDF)				-2.00E-08	-2.00E-08	-2.00E-08	-1.50E-08	-1.50E-08
URI (Δ CDF)				3.60E-07	3.50E-07	3.70E-07	3.10E-07	3.10E-07
PLE				NO	NO	NO	NO	NO
Indicator value				3.40E-07	3.30E-07	3.50E-07	2.95E-07	2.36E-07

Licensee Comments:

3Q/07: Periodic review of PRA model resulted in 0.05% change in Core Damage Frequency

Mitigating Systems Performance Index, Cooling Water Systems



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

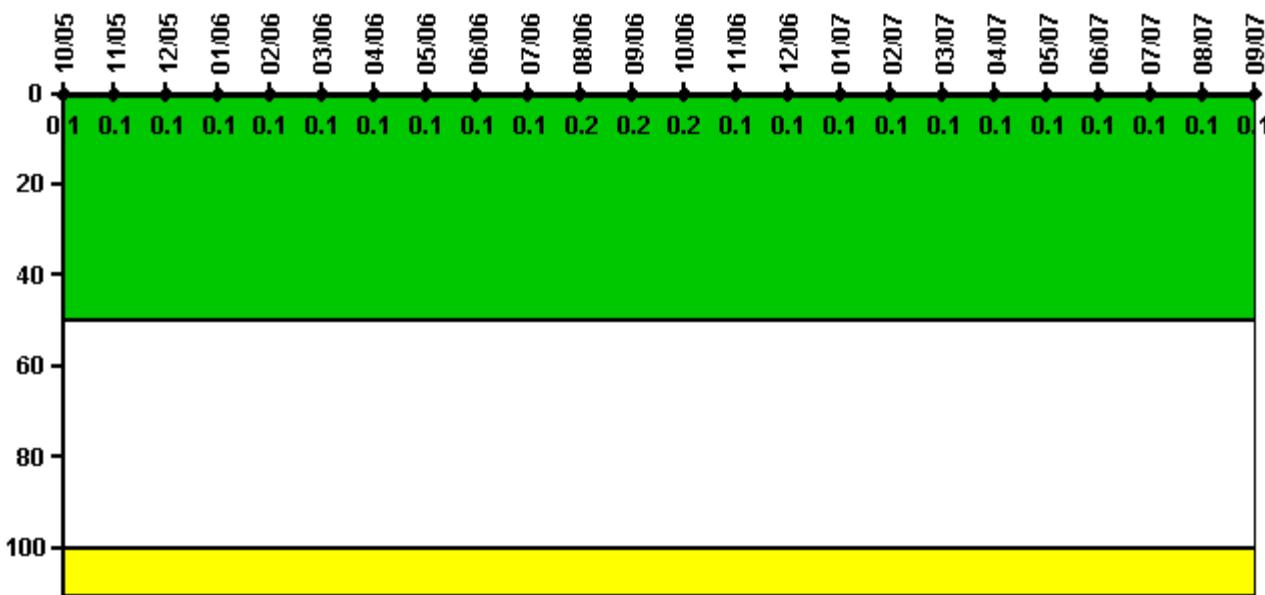
Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (Δ CDF)			4.40E-08	4.40E-08	4.30E-08	3.90E-08	3.80E-08	9.80E-09
URI (Δ CDF)			7.70E-07	7.70E-07	8.00E-07	-3.80E-08	-4.00E-08	5.00E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			8.14E-07	8.14E-07	8.43E-07	1.00E-09	-2.00E-09	5.98E-08

Licensee Comments:

3Q/07: Periodic review of PRA model resulted in 0.05% change in Core Damage Frequency

Reactor Coolant System Activity



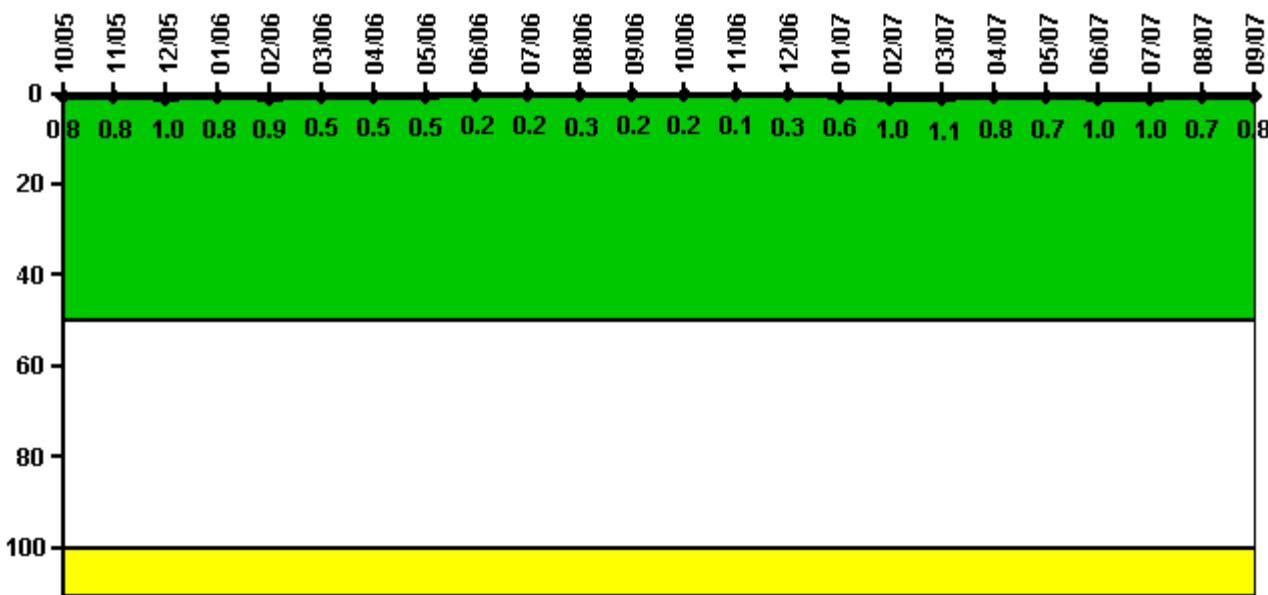
Thresholds: White > 50.0 Yellow > 100.0

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	0.001100	0.001070	0.001150	0.001190	0.001240	0.001250	0.001270	0.001340	0.001410	0.001480	0.001600	0.001660
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Reactor Coolant System Activity	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum activity	0.001640	0.000671	0.000782	0.000820	0.000828	0.000862	0.000893	0.000907	0.000938	0.000973	0.001011	0.001100
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



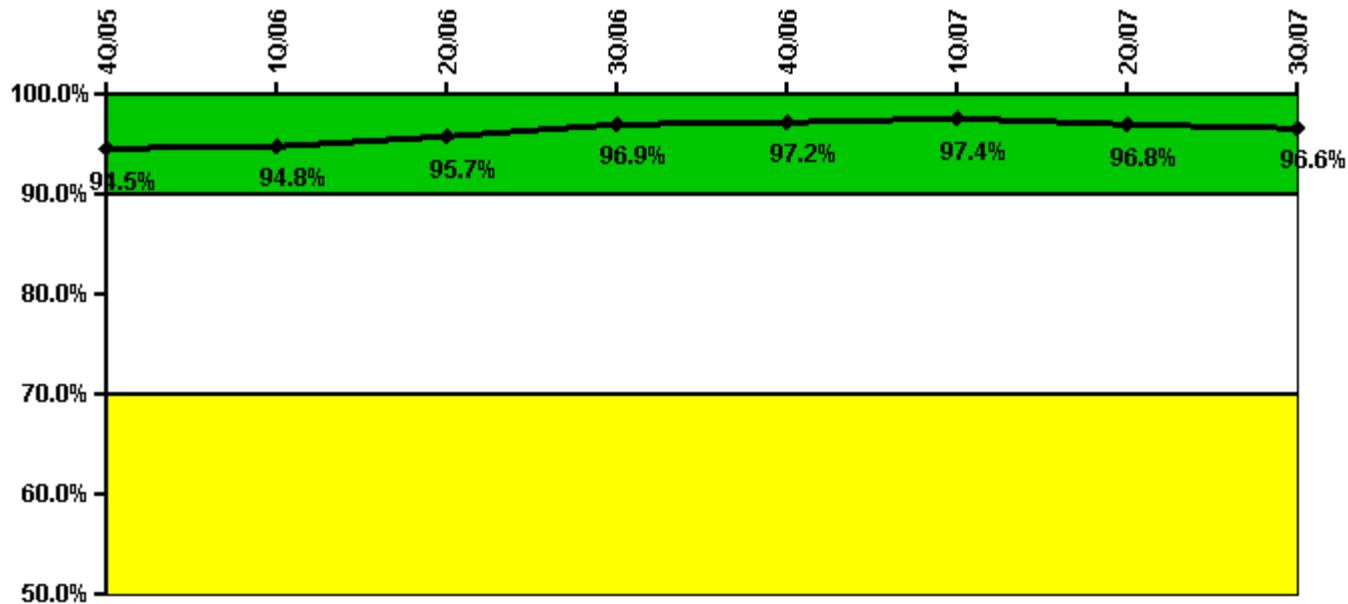
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum leakage	0.080	0.080	0.100	0.080	0.090	0.050	0.050	0.050	0.020	0.020	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.8	0.8	1.0	0.8	0.9	0.5	0.5	0.5	0.2	0.2	0.3	0.2
Reactor Coolant System Leakage	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum leakage	0.020	0.010	0.030	0.060	0.100	0.110	0.080	0.070	0.100	0.100	0.070	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.1	0.3	0.6	1.0	1.1	0.8	0.7	1.0	1.0	0.7	0.8

Licensee Comments: none

Drill/Exercise Performance



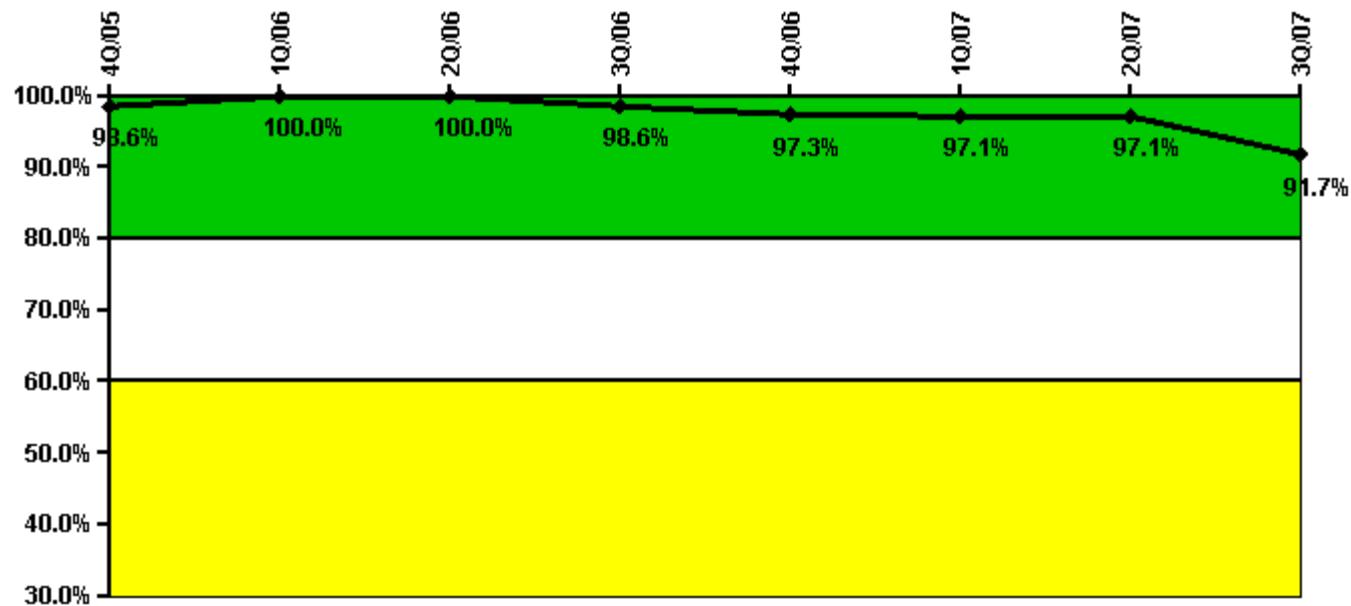
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful opportunities	11.0	57.0	38.0	29.0	0	31.0	22.0	36.0
Total opportunities	12.0	59.0	38.0	29.0	0	32.0	24.0	38.0
Indicator value	94.5%	94.8%	95.7%	96.9%	97.2%	97.4%	96.8%	96.6%

Licensee Comments: none

ERO Drill Participation



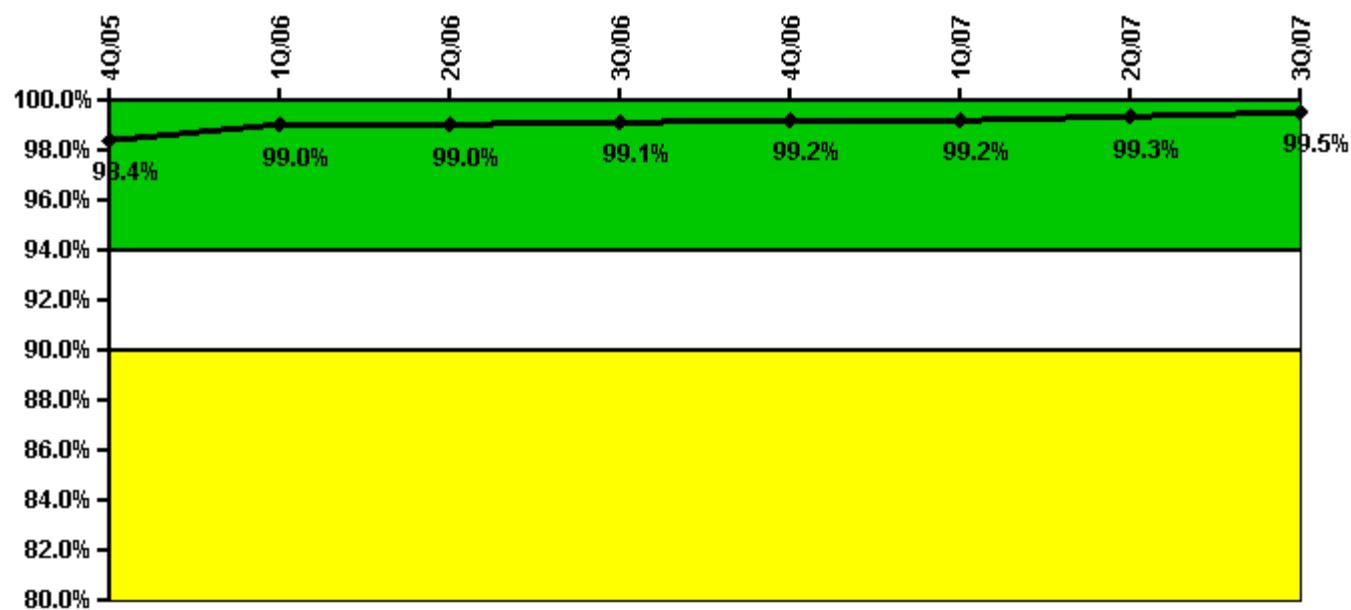
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Participating Key personnel	73.0	75.0	71.0	71.0	71.0	66.0	66.0	66.0
Total Key personnel	74.0	75.0	71.0	72.0	73.0	68.0	68.0	72.0
Indicator value	98.6%	100.0%	100.0%	98.6%	97.3%	97.1%	97.1%	91.7%

Licensee Comments: none

Alert & Notification System



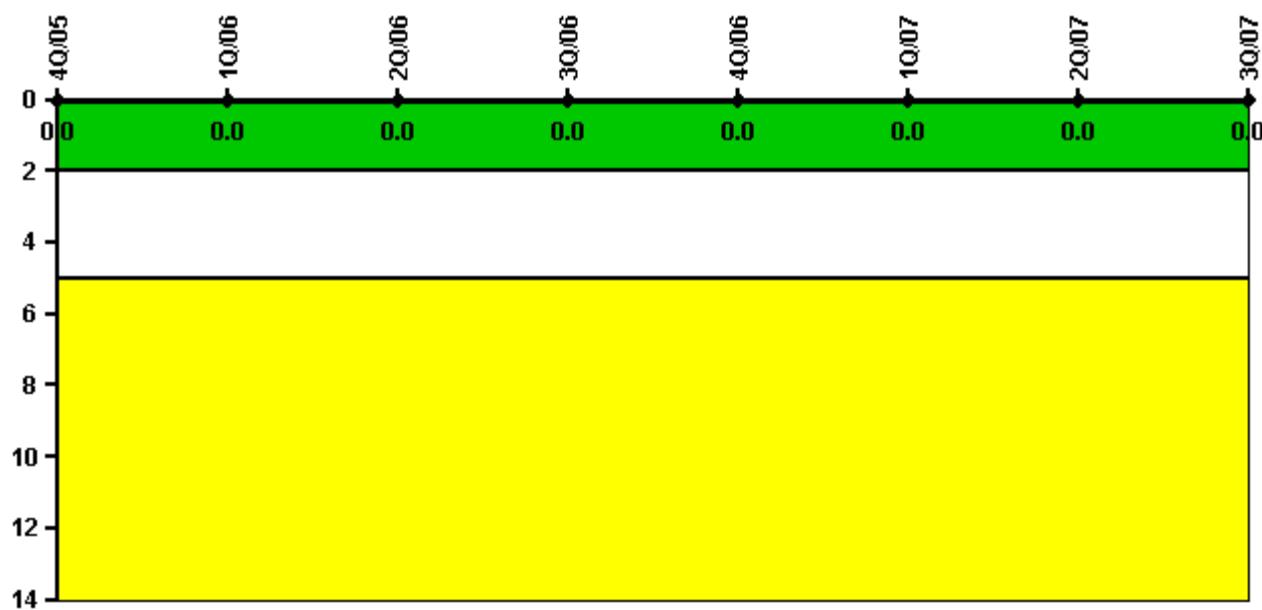
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful siren-tests	823	737	840	736	840	738	845	742
Total sirens-tests	832	742	848	742	848	742	848	742
Indicator value	98.4%	99.0%	99.0%	99.1%	99.2%	99.2%	99.3%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



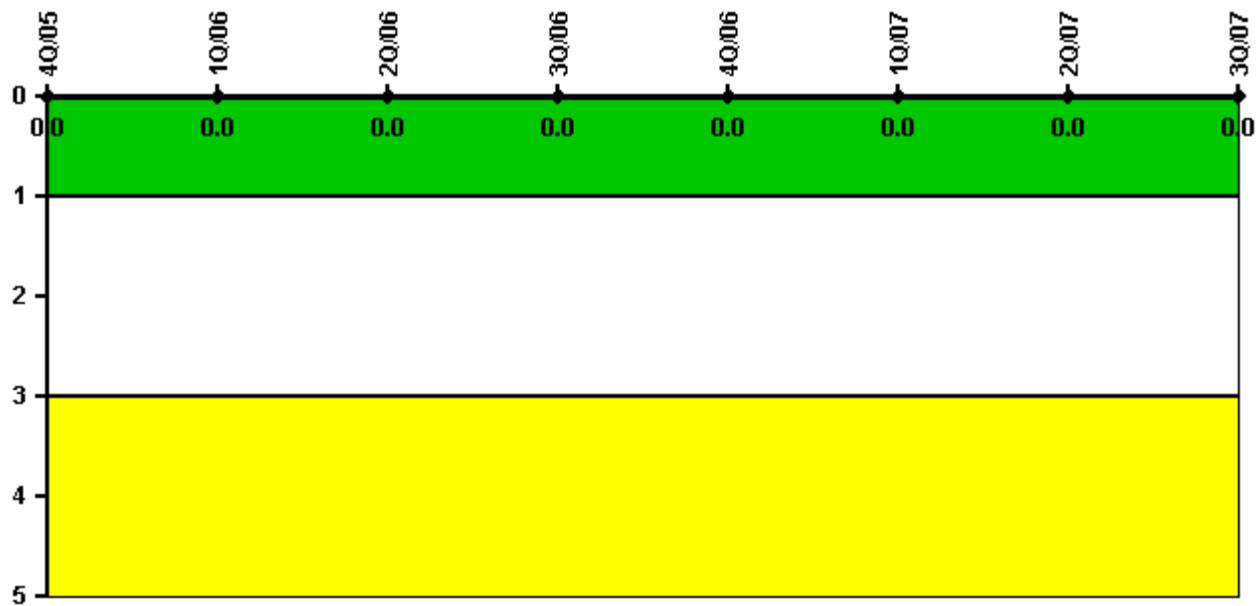
Thresholds: White > 2.0 Yellow > 5.0

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

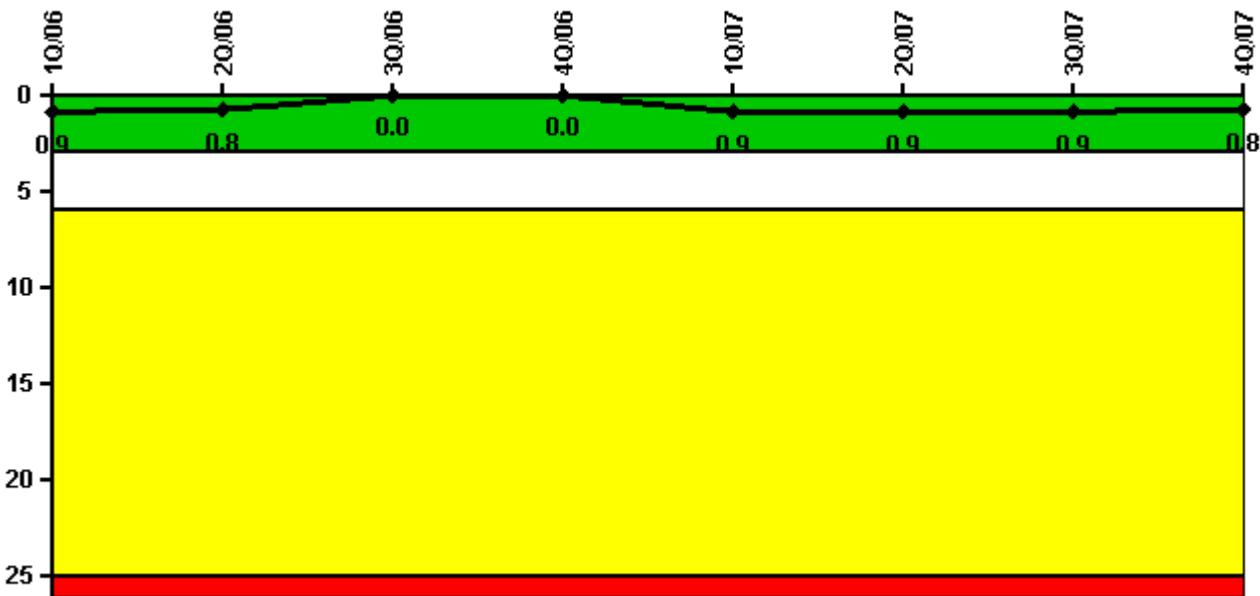
[Physical Protection](#) information not publicly available.

Summer

4Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



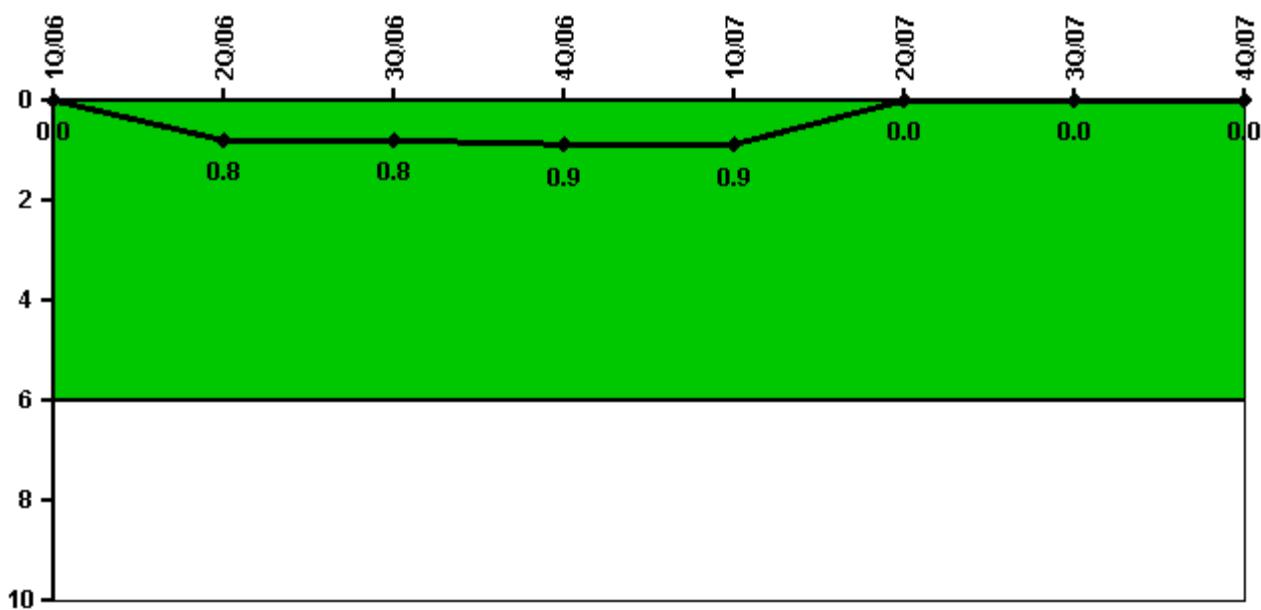
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0
Critical hours	2160.0	2183.0	2208.0	1296.0	2126.5	2184.0	2208.0	2209.0
Indicator value	0.9	0.8	0	0	0.9	0.9	0.9	0.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



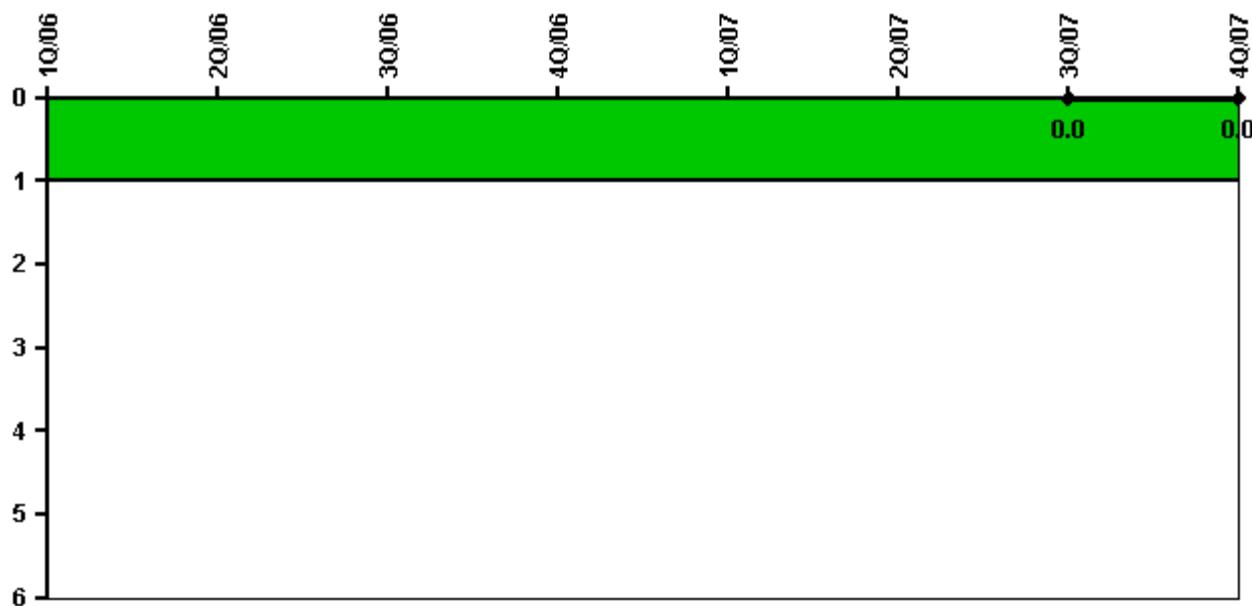
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	1296.0	2126.5	2184.0	2208.0	2209.0
Indicator value	0	0.8	0.8	0.9	0.9	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



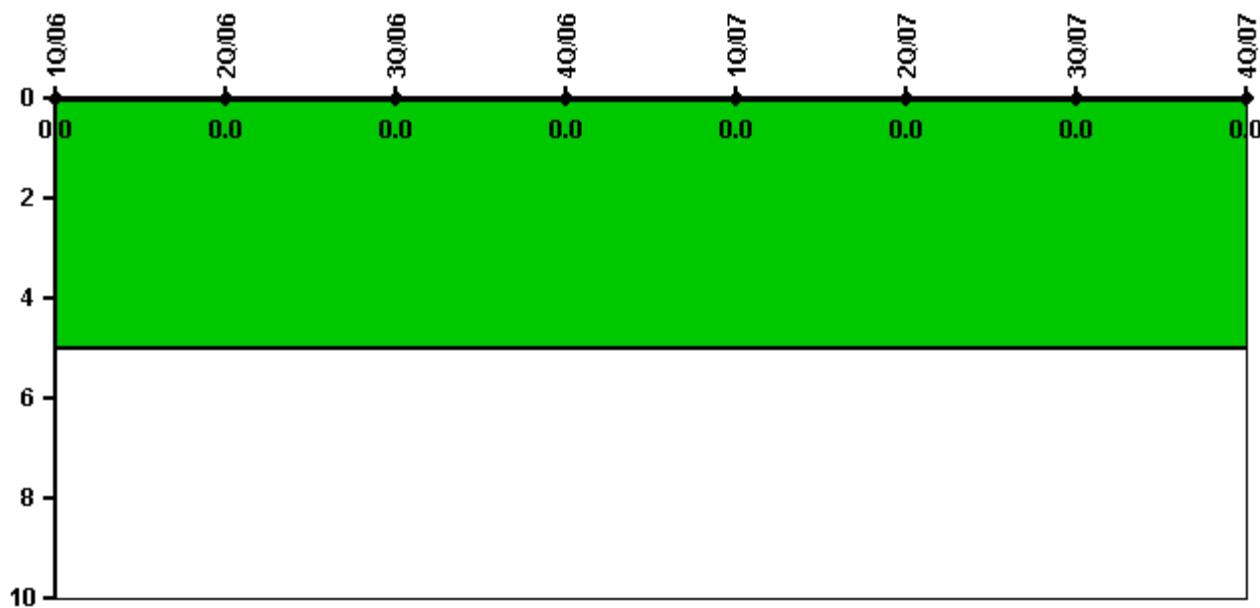
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



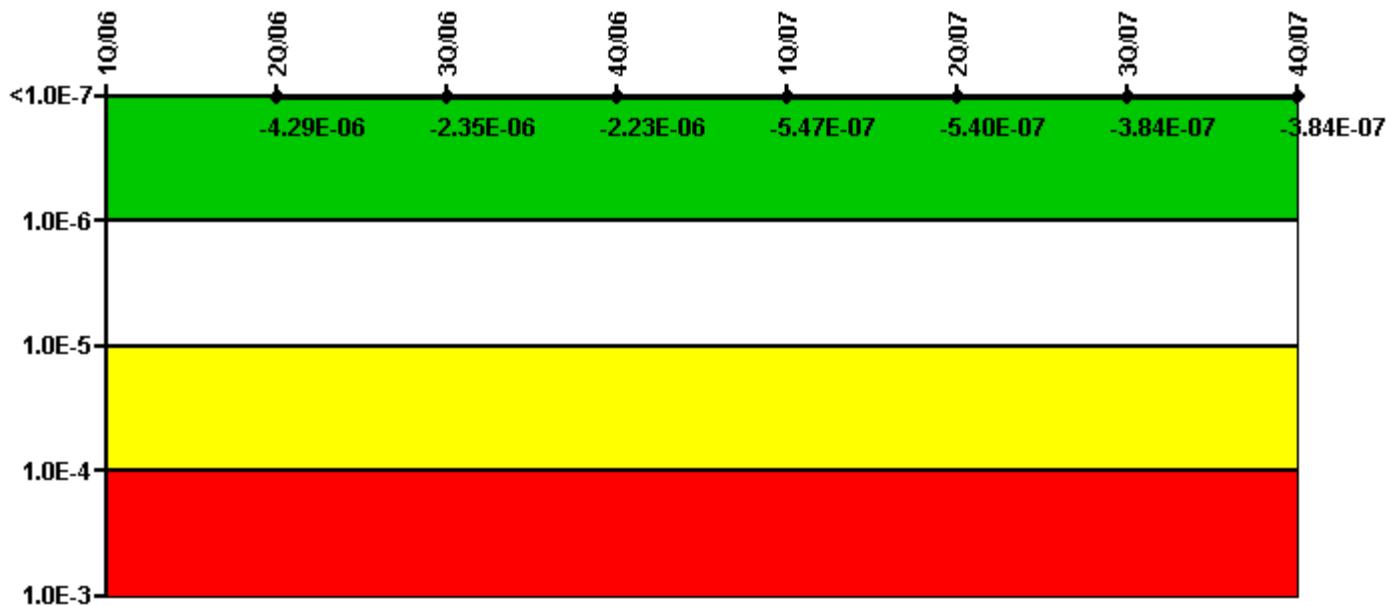
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Safety System Functional Failures	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

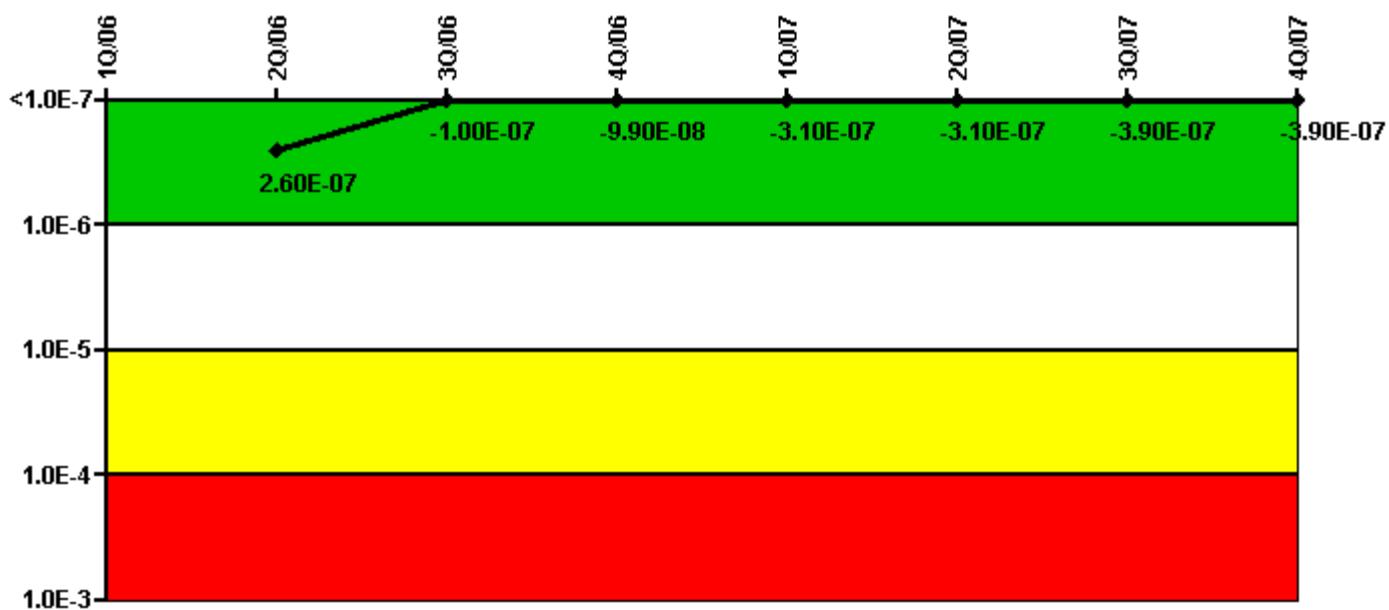
Notes

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 (Δ CDF)		-9.40E-08	1.50E-07	2.70E-07	8.30E-08	8.00E-08	8.60E-08	8.60E-08
URI (Δ CDF)		-4.20E-06	-2.50E-06	-2.50E-06	-6.30E-07	-6.20E-07	-4.70E-07	-4.70E-07
PLE		NO						
Indicator value		-4.29E-06	-2.35E-06	-2.23E-06	-5.47E-07	-5.40E-07	-3.84E-07	-3.84E-07

Licensee Comments:

4Q/07: Changed PRA Parameter(s). Minor changes to PRA parameters, based on PRA model revision 5a for improved modeling of a non-MSPI system and human reliability dependency multipliers.

Mitigating Systems Performance Index, High Pressure Injection System



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

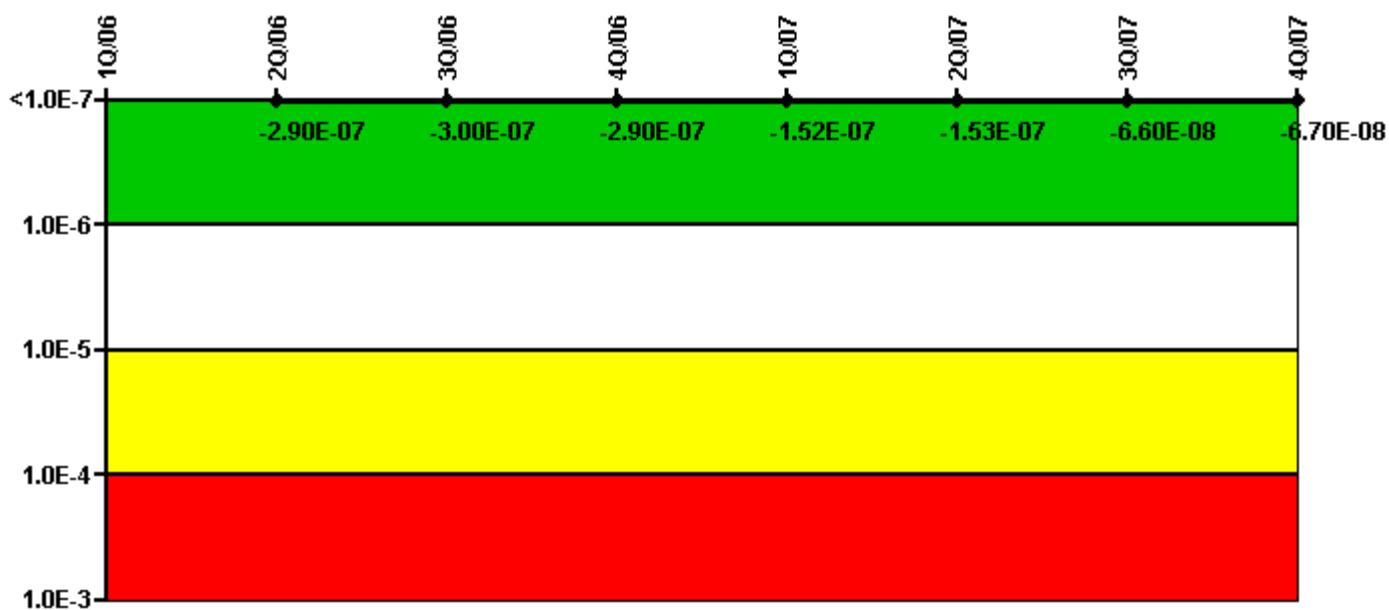
Notes

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 (Δ CDF)		-2.00E-08	-2.90E-08	-2.90E-08	-2.00E-07	-2.00E-07	-1.50E-07	-1.50E-07
URI (Δ CDF)		2.80E-07	-7.10E-08	-7.00E-08	-1.10E-07	-1.10E-07	-2.40E-07	-2.40E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		2.60E-07	-1.00E-07	-9.90E-08	-3.10E-07	-3.10E-07	-3.90E-07	-3.90E-07

Licensee Comments:

4Q/07: Changed PRA Parameter(s). Minor changes to PRA parameters, based on PRA model revision 5a for improved modeling of a non-MSPI system and human reliability dependency multipliers.

Mitigating Systems Performance Index, Heat Removal System



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

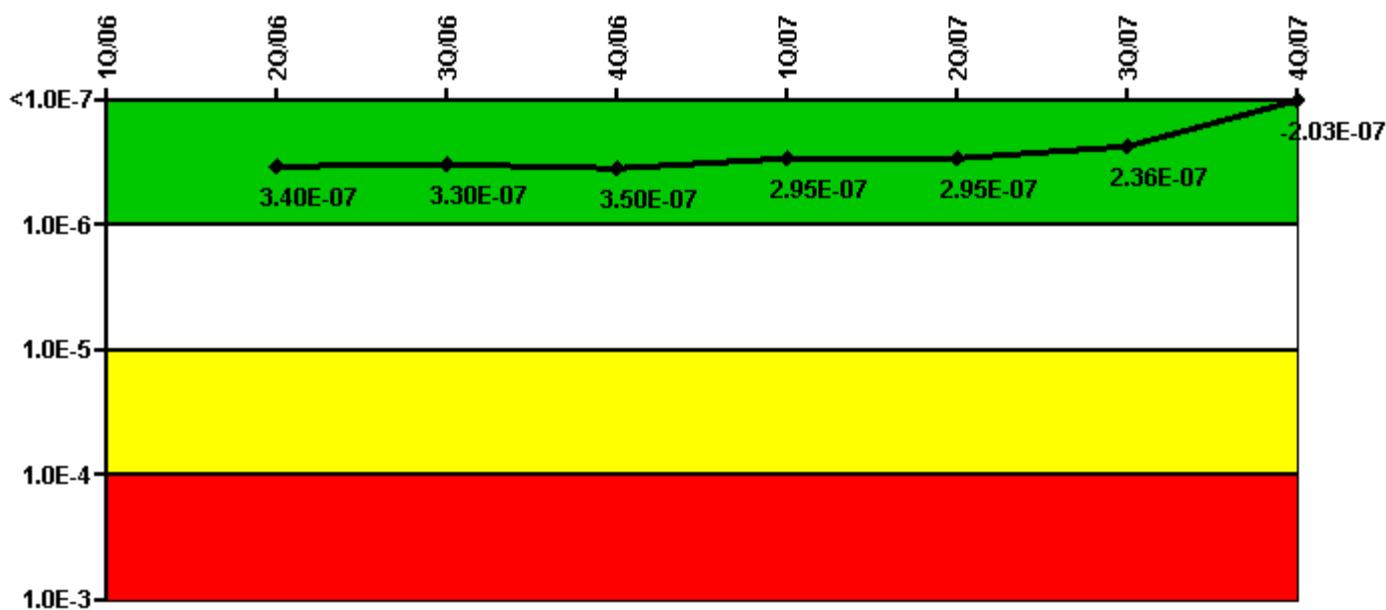
Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		2.50E-07	2.50E-07	2.50E-07	5.80E-08	5.70E-08	3.40E-08	3.30E-08
URI (Δ CDF)		-5.40E-07	-5.50E-07	-5.40E-07	-2.10E-07	-2.10E-07	-1.00E-07	-1.00E-07
PLE		NO						
Indicator value		-2.90E-07	-3.00E-07	-2.90E-07	-1.52E-07	-1.53E-07	-6.60E-08	-6.70E-08

Licensee Comments:

4Q/07: Changed PRA Parameter(s). Minor changes to PRA parameters, based on PRA model revision 5a for improved modeling of a non-MSPI system and human reliability dependency multipliers.

Mitigating Systems Performance Index, Residual Heat Removal System



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

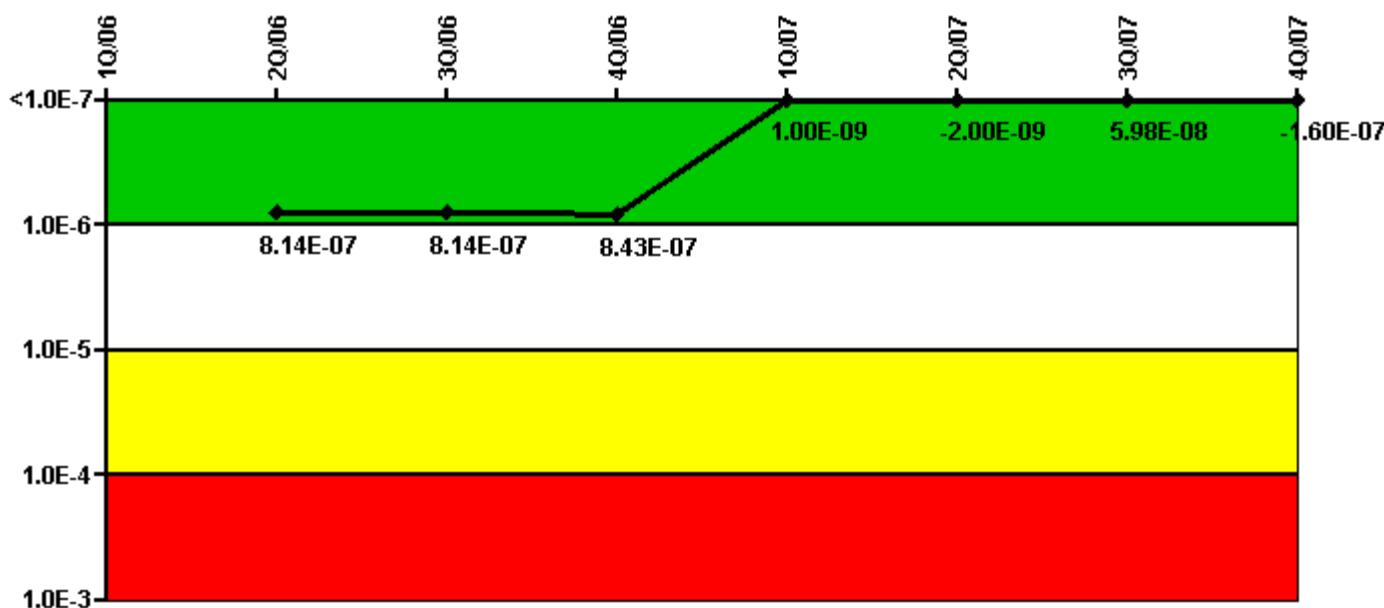
Notes

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 (Δ CDF)		-2.00E-08	-2.00E-08	-2.00E-08	-1.50E-08	-1.50E-08	-1.40E-08	-2.30E-08
URI (Δ CDF)		3.60E-07	3.50E-07	3.70E-07	3.10E-07	3.10E-07	2.50E-07	-1.80E-07
PLE		NO						
Indicator value		3.40E-07	3.30E-07	3.50E-07	2.95E-07	2.95E-07	2.36E-07	-2.03E-07

Licensee Comments:

4Q/07: Minor changes to PRA parameters, based on PRA model revision 5a for improved modeling of a non-MSPI system and human reliability dependency multipliers.

Mitigating Systems Performance Index, Cooling Water Systems



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

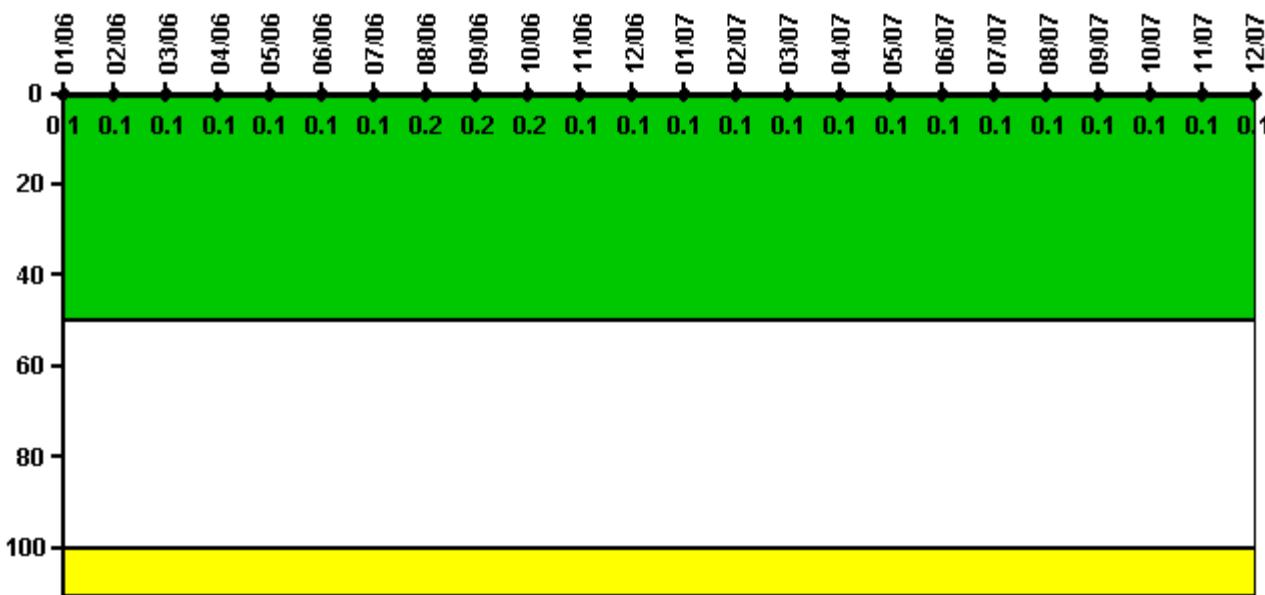
Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		4.40E-08	4.40E-08	4.30E-08	3.90E-08	3.80E-08	9.80E-09	9.80E-09
URI (Δ CDF)		7.70E-07	7.70E-07	8.00E-07	-3.80E-08	-4.00E-08	5.00E-08	-1.70E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		8.14E-07	8.14E-07	8.43E-07	1.00E-09	-2.00E-09	5.98E-08	-1.60E-07

Licensee Comments:

4Q/07: Changed PRA Parameter(s). Minor changes to PRA parameters, based on PRA model revision 5a for improved modeling of a non-MSPI system and human reliability dependency multipliers.

Reactor Coolant System Activity



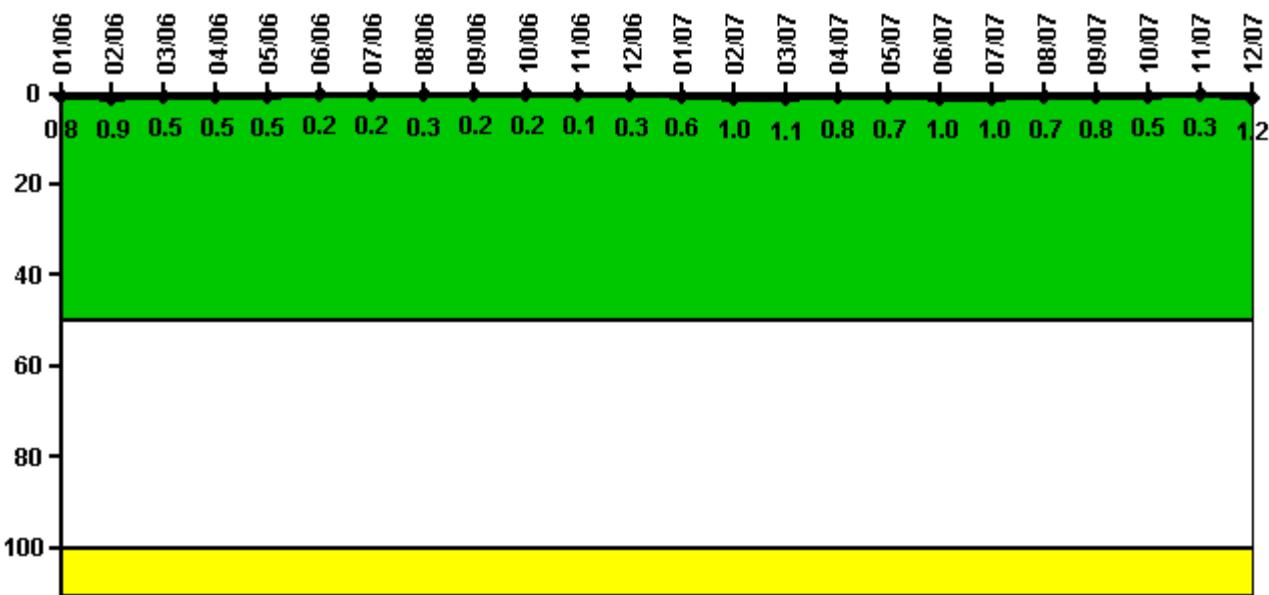
Thresholds: White > 50.0 Yellow > 100.0

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	0.001190	0.001240	0.001250	0.001270	0.001340	0.001410	0.001480	0.001600	0.001660	0.001640	0.000671	0.000782
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.2	0.2	0.2	0.1	0.1						
Reactor Coolant System Activity	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum activity	0.000820	0.000828	0.000862	0.000893	0.000907	0.000938	0.000973	0.001011	0.001100	0.001062	0.001097	0.001125
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1											

Licensee Comments: none

Reactor Coolant System Leakage



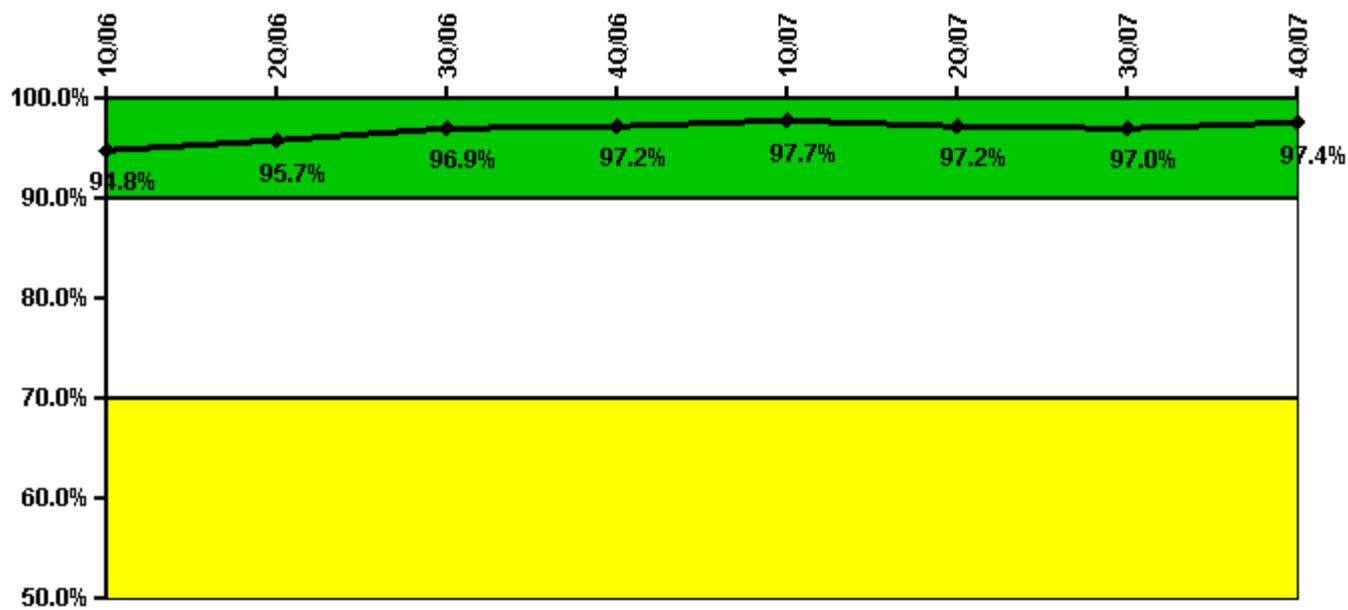
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum leakage	0.080	0.090	0.050	0.050	0.050	0.020	0.020	0.030	0.020	0.020	0.010	0.030
Indicator value	0.8	0.9	0.5	0.5	0.5	0.2	0.2	0.3	0.2	0.2	0.1	0.3
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	0.060	0.100	0.110	0.080	0.070	0.100	0.100	0.070	0.080	0.050	0.030	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.6	1.0	1.1	0.8	0.7	1.0	1.0	0.7	0.8	0.5	0.3	1.2

Licensee Comments: none

Drill/Exercise Performance



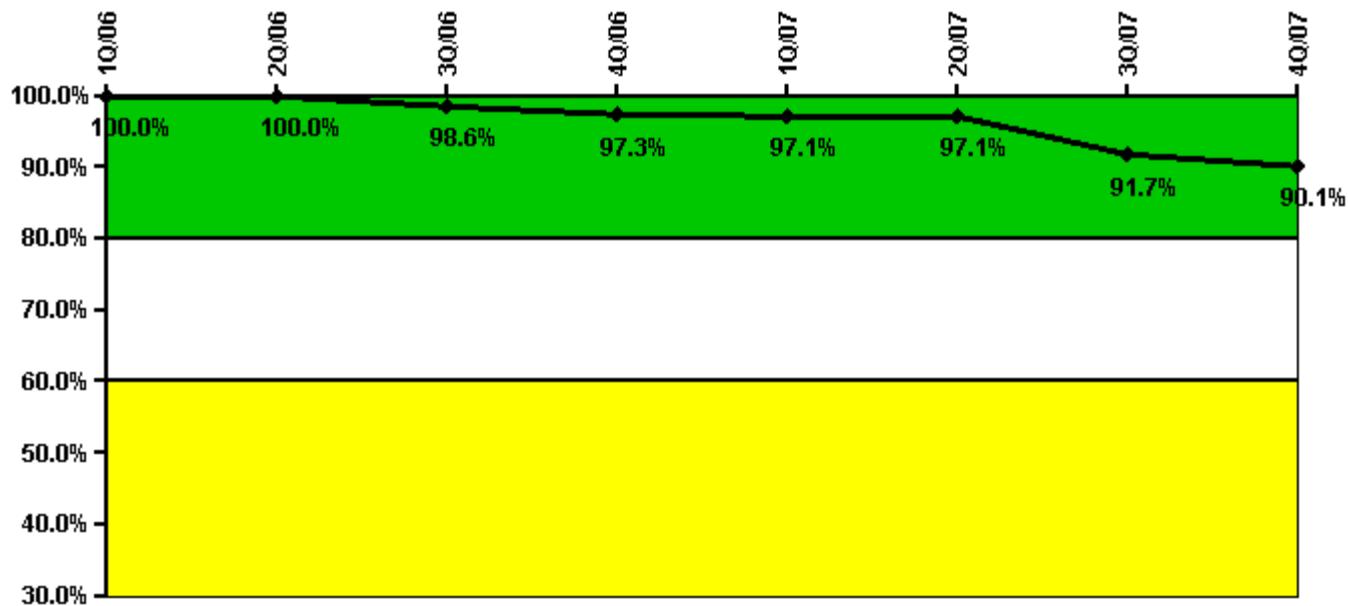
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful opportunities	57.0	38.0	29.0	0	31.0	22.0	36.0	8.0
Total opportunities	59.0	38.0	29.0	0	31.0	24.0	38.0	8.0
Indicator value	94.8%	95.7%	96.9%	97.2%	97.7%	97.2%	97.0%	97.4%

Licensee Comments: none

ERO Drill Participation



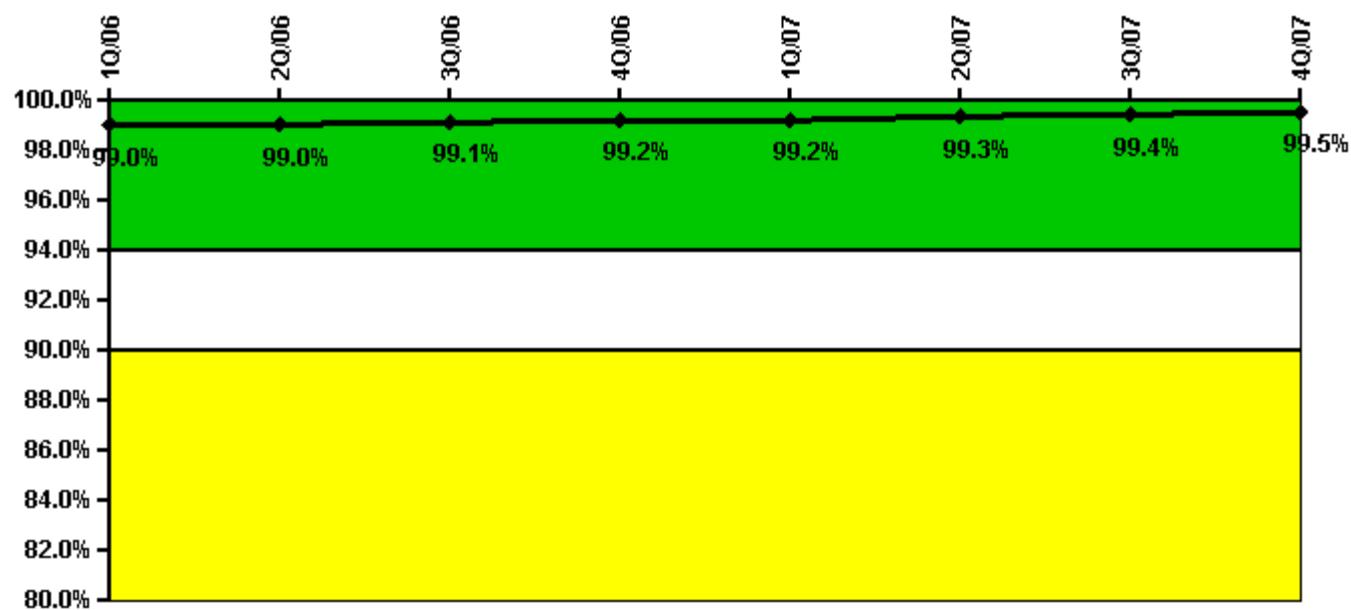
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Participating Key personnel	75.0	71.0	71.0	71.0	66.0	66.0	66.0	64.0
Total Key personnel	75.0	71.0	72.0	73.0	68.0	68.0	72.0	71.0
Indicator value	100.0%	100.0%	98.6%	97.3%	97.1%	97.1%	91.7%	90.1%

Licensee Comments: none

Alert & Notification System



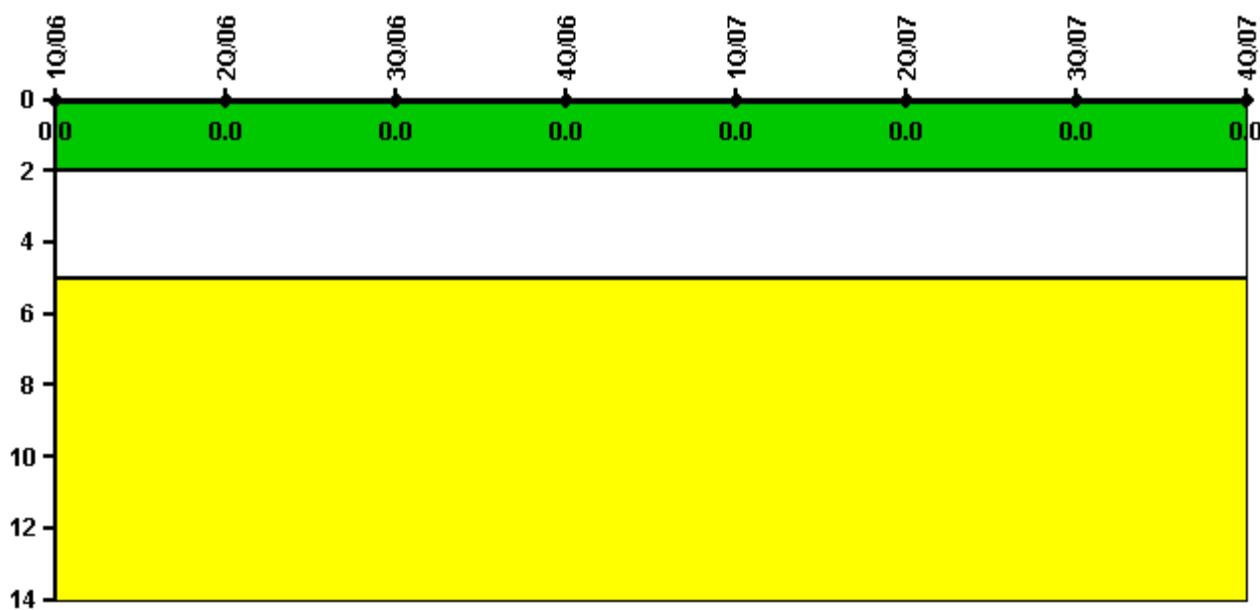
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful siren-tests	737	840	736	840	738	845	738	844
Total sirens-tests	742	848	742	848	742	848	742	848
Indicator value	99.0%	99.0%	99.1%	99.2%	99.2%	99.3%	99.4%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



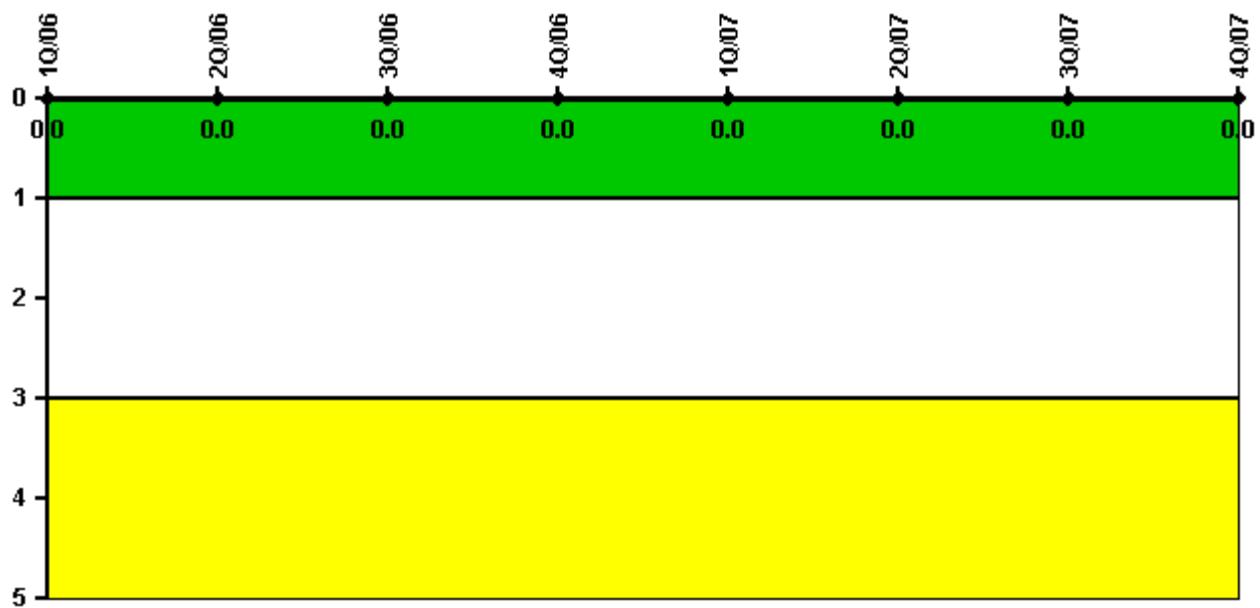
Thresholds: White > 2.0 Yellow > 5.0

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

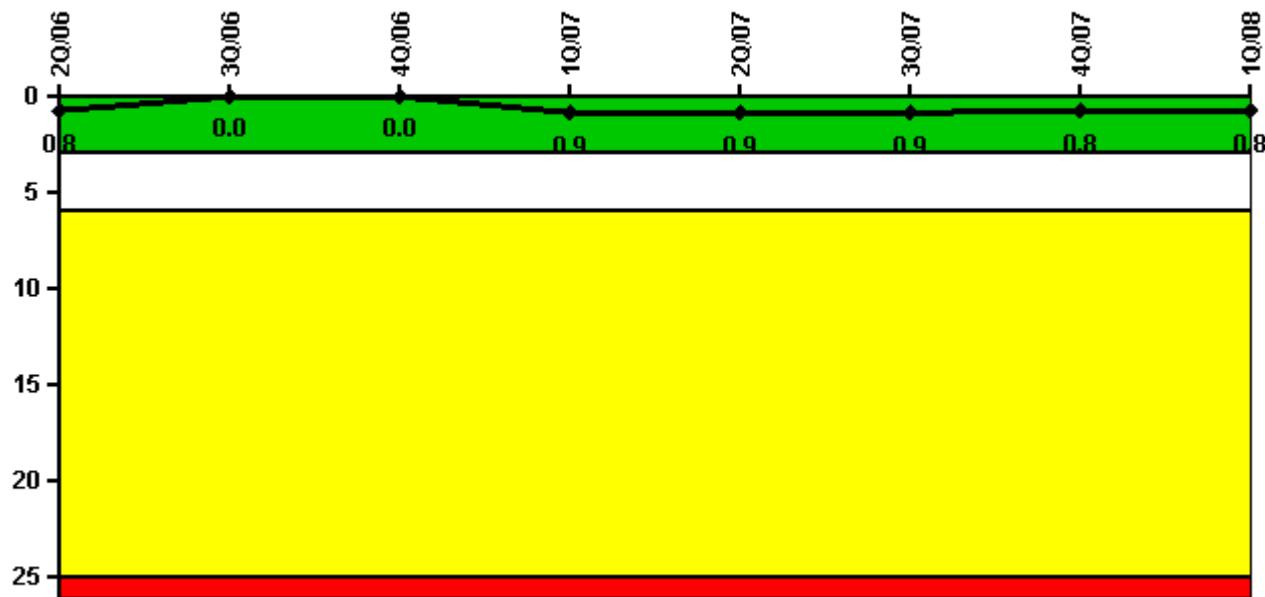
[Physical Protection](#) information not publicly available.

Summer

1Q/2008 Performance Indicators

Licensee's General Comments: Additional March DEP data was received from the VCSNS Training Organization after the original submittal to the NRC.

Unplanned Scrams per 7000 Critical Hrs



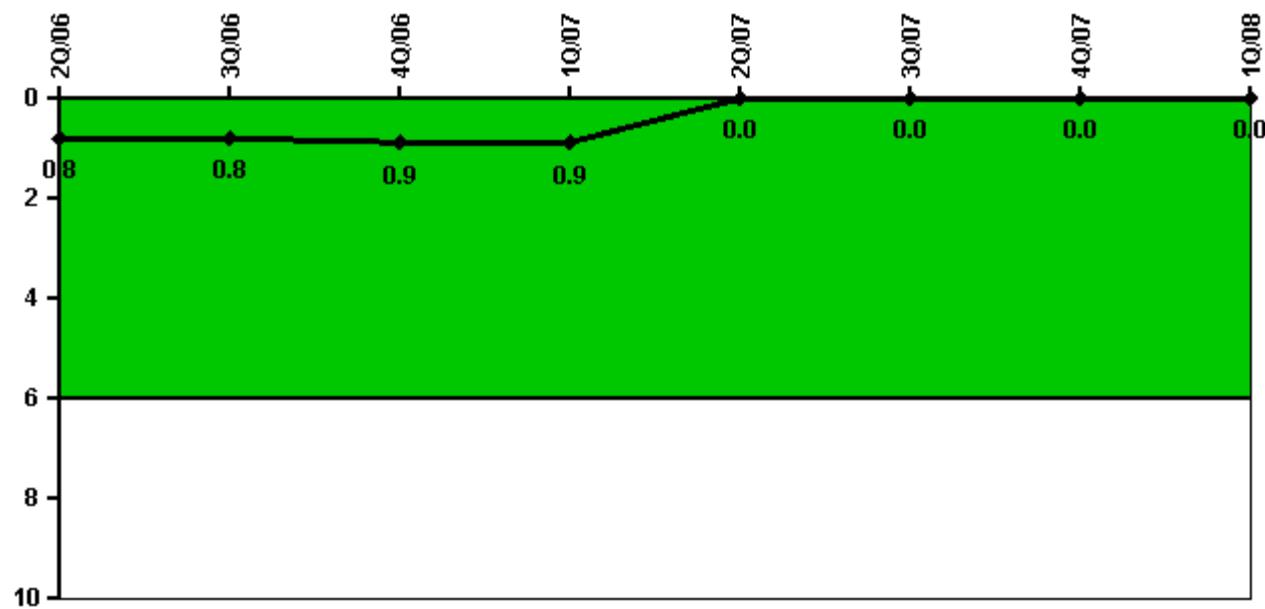
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned scrams	0	0	0	1.0	0	0	0	1.0
Critical hours	2183.0	2208.0	1296.0	2126.5	2184.0	2208.0	2209.0	2002.8
Indicator value	0.8	0	0	0.9	0.9	0.9	0.8	0.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



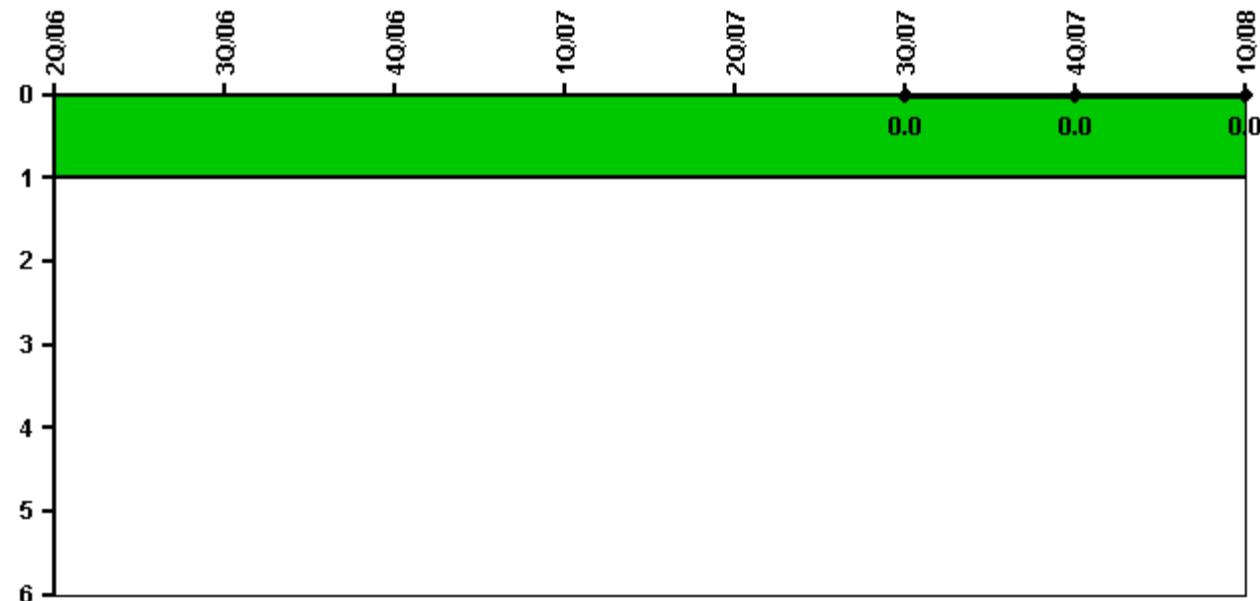
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	1296.0	2126.5	2184.0	2208.0	2209.0	2002.8
Indicator value	0.8	0.8	0.9	0.9	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



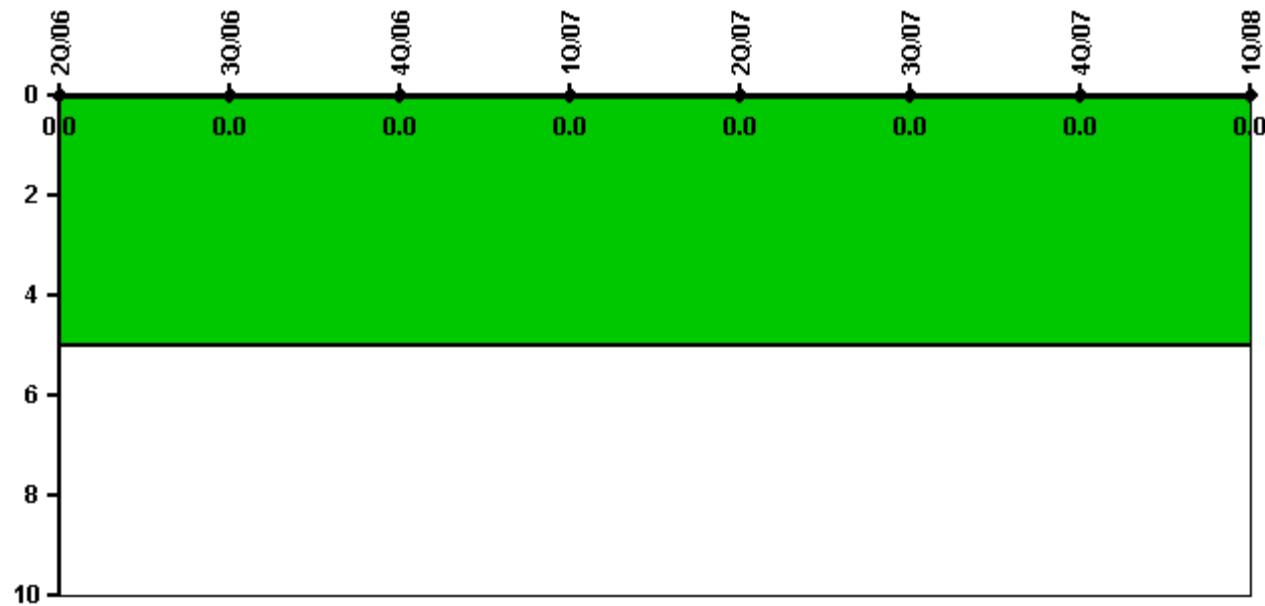
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



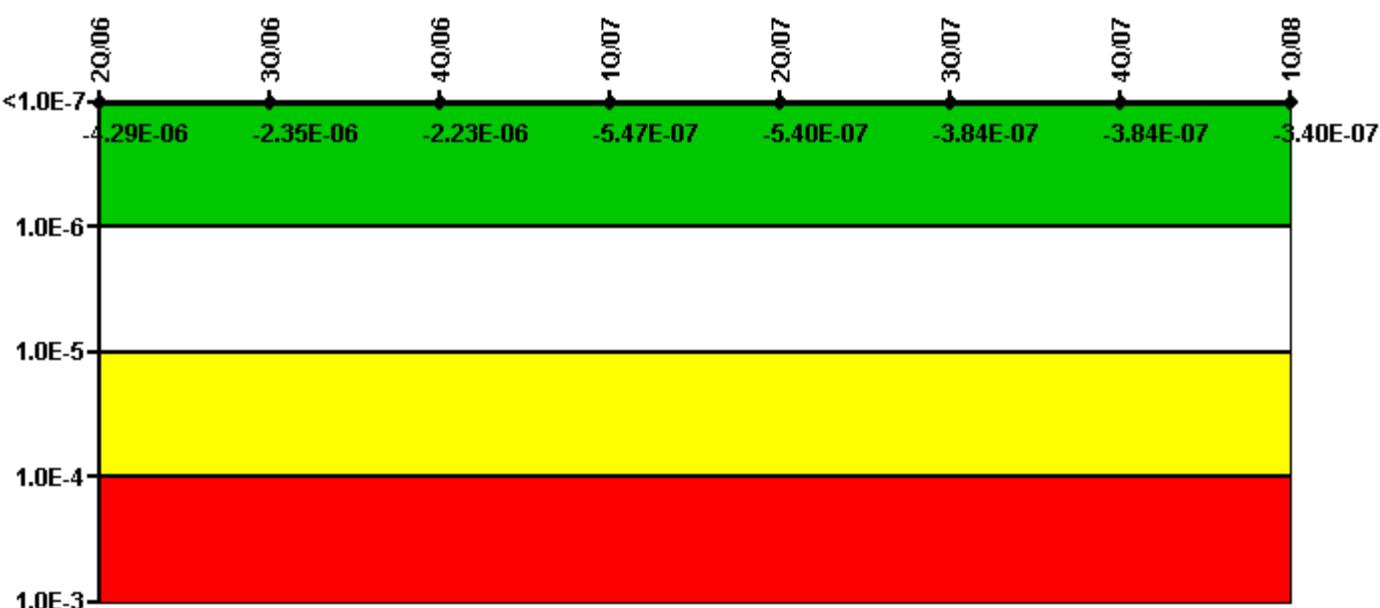
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



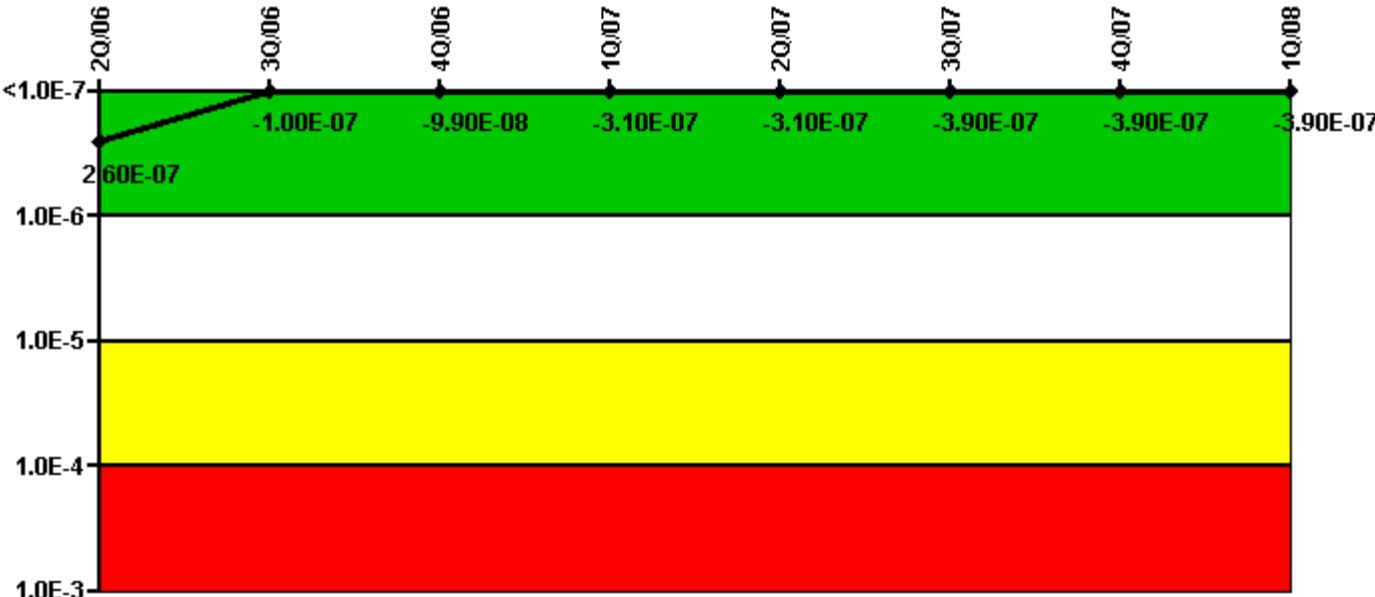
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (Δ CDF)	-9.40E-08	1.50E-07	2.70E-07	8.30E-08	8.00E-08	8.60E-08	8.60E-08	1.30E-07
URI (Δ CDF)	-4.20E-06	-2.50E-06	-2.50E-06	-6.30E-07	-6.20E-07	-4.70E-07	-4.70E-07	-4.70E-07
PLE	NO							
Indicator value	-4.29E-06	-2.35E-06	-2.23E-06	-5.47E-07	-5.40E-07	-3.84E-07	-3.84E-07	-3.40E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



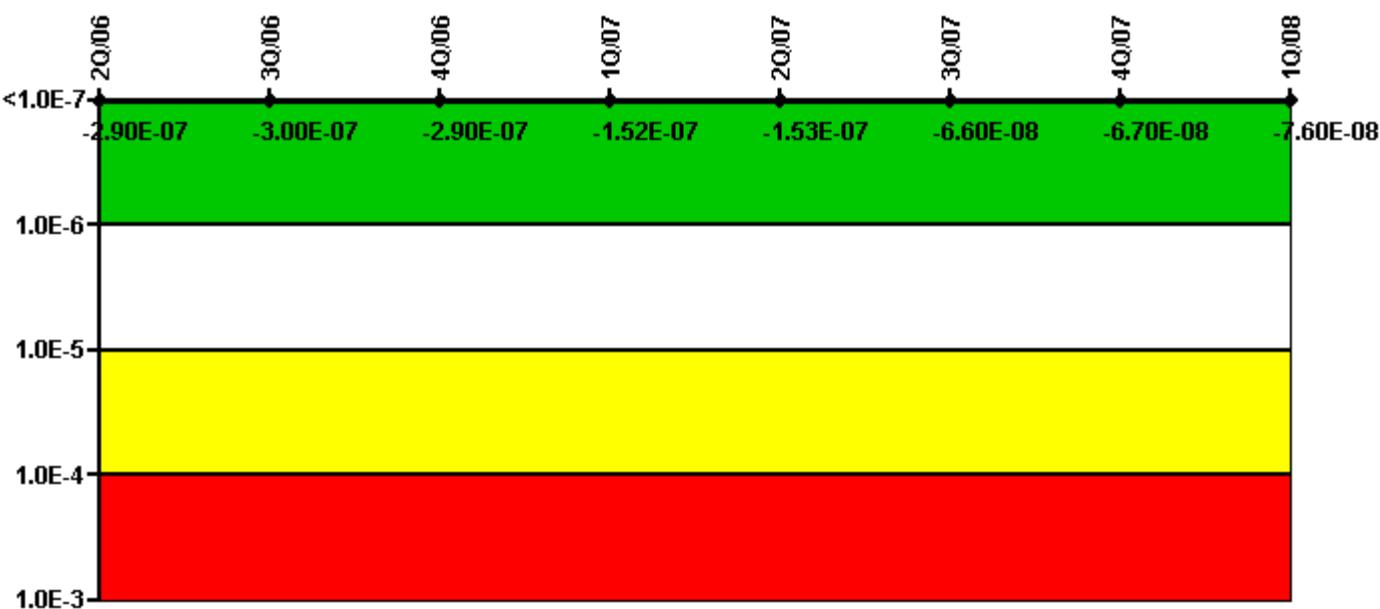
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (Δ CDF)	-2.00E-08	-2.90E-08	-2.90E-08	-2.00E-07	-2.00E-07	-1.50E-07	-1.50E-07	-1.50E-07
URI (Δ CDF)	2.80E-07	-7.10E-08	-7.00E-08	-1.10E-07	-1.10E-07	-2.40E-07	-2.40E-07	-2.40E-07
PLE	NO							
Indicator value	2.60E-07	-1.00E-07	-9.90E-08	-3.10E-07	-3.10E-07	-3.90E-07	-3.90E-07	-3.90E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



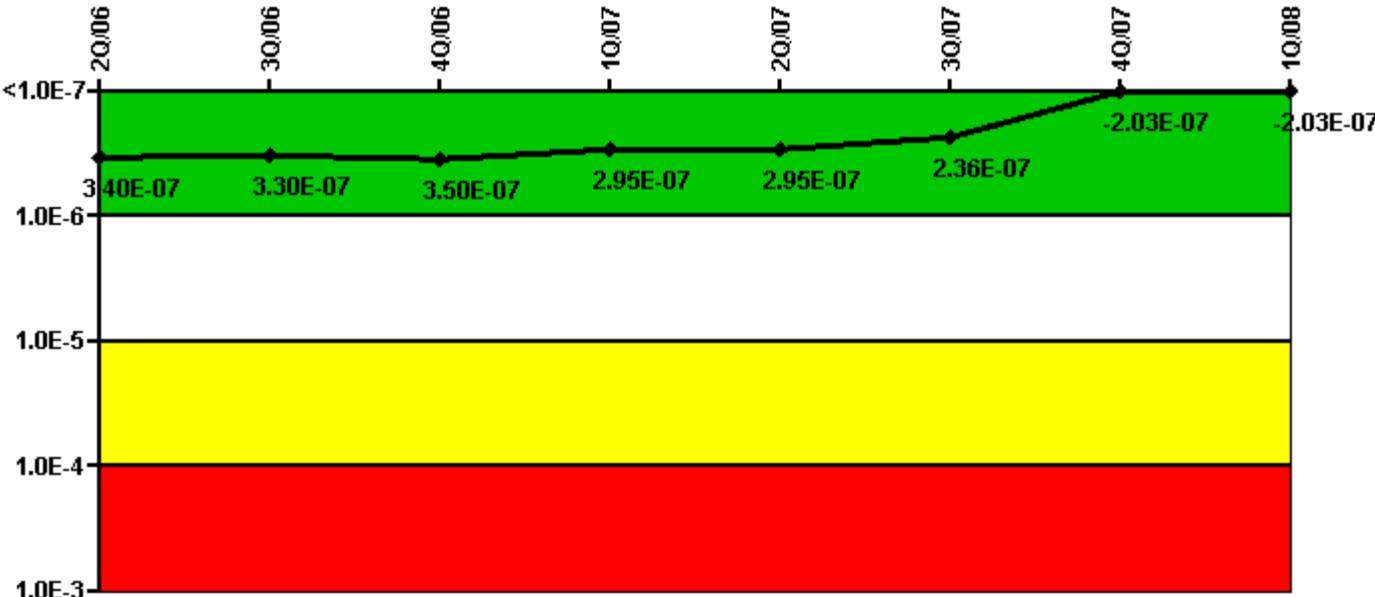
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (Δ CDF)	2.50E-07	2.50E-07	2.50E-07	5.80E-08	5.70E-08	3.40E-08	3.30E-08	3.40E-08
URI (Δ CDF)	-5.40E-07	-5.50E-07	-5.40E-07	-2.10E-07	-2.10E-07	-1.00E-07	-1.00E-07	-1.10E-07
PLE	NO							
Indicator value	-2.90E-07	-3.00E-07	-2.90E-07	-1.52E-07	-1.53E-07	-6.60E-08	-6.70E-08	-7.60E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



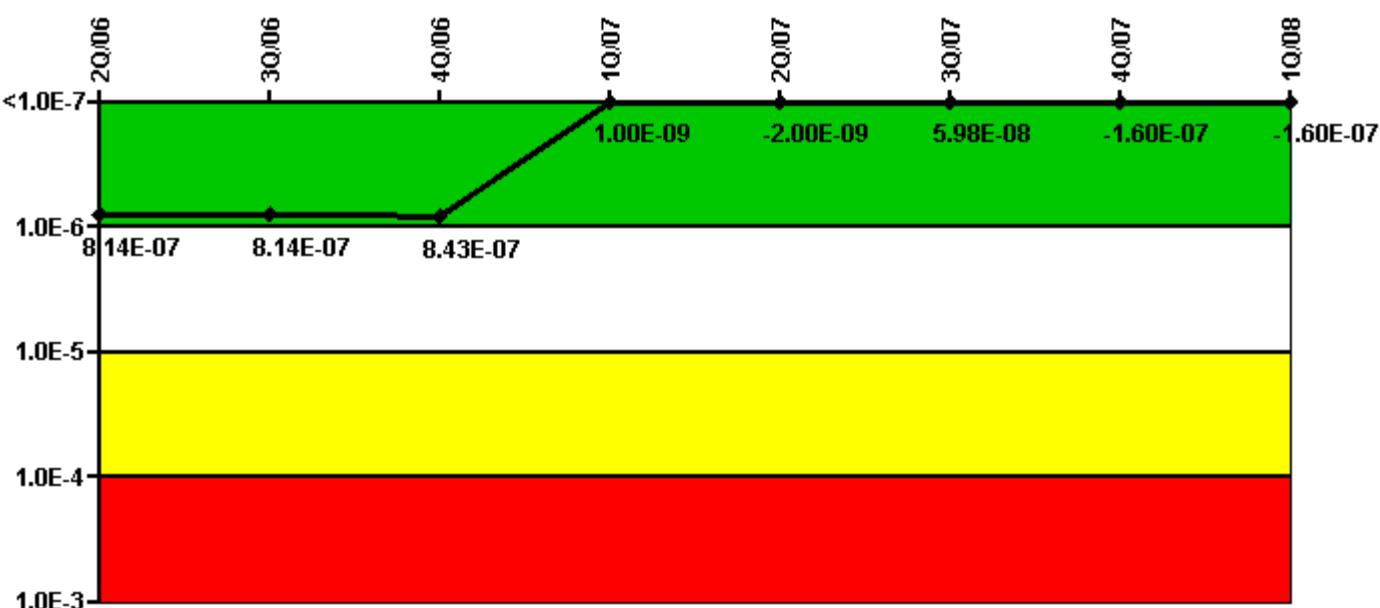
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (Δ CDF)	-2.00E-08	-2.00E-08	-2.00E-08	-1.50E-08	-1.50E-08	-1.40E-08	-2.30E-08	-2.30E-08
URI (Δ CDF)	3.60E-07	3.50E-07	3.70E-07	3.10E-07	3.10E-07	2.50E-07	-1.80E-07	-1.80E-07
PLE	NO							
Indicator value	3.40E-07	3.30E-07	3.50E-07	2.95E-07	2.95E-07	2.36E-07	-2.03E-07	-2.03E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



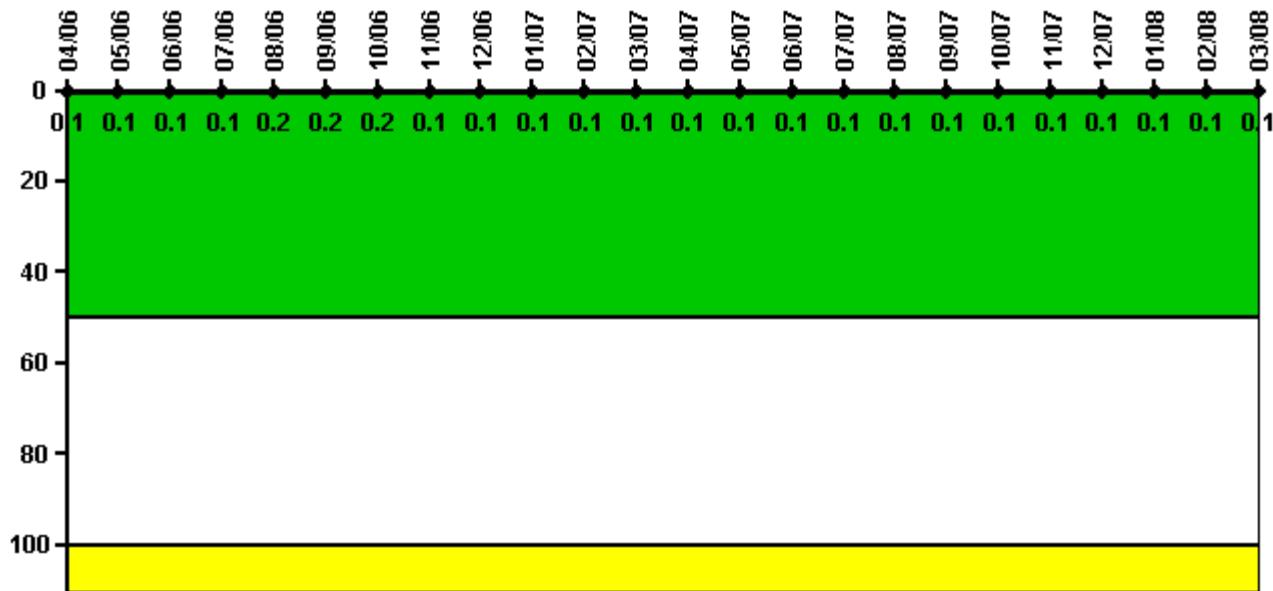
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (Δ CDF)	4.40E-08	4.40E-08	4.30E-08	3.90E-08	3.80E-08	9.80E-09	9.80E-09	1.00E-08
URI (Δ CDF)	7.70E-07	7.70E-07	8.00E-07	-3.80E-08	-4.00E-08	5.00E-08	-1.70E-07	-1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.14E-07	8.14E-07	8.43E-07	1.00E-09	-2.00E-09	5.98E-08	-1.60E-07	-1.60E-07

Licensee Comments: none

Reactor Coolant System Activity



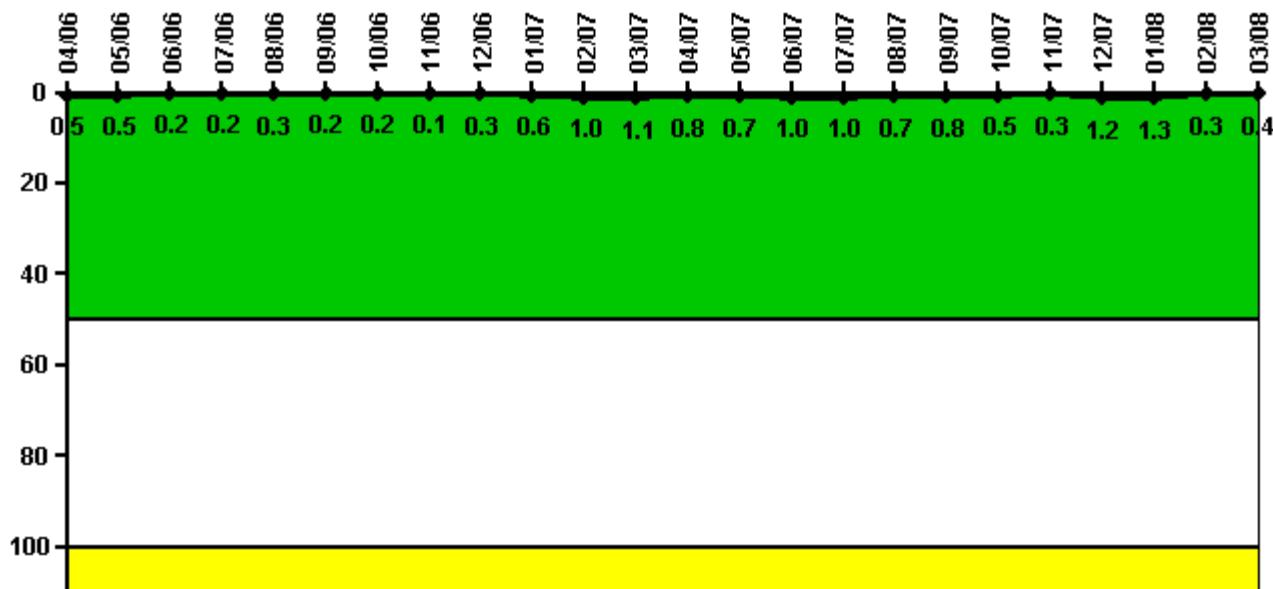
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum activity	0.001270	0.001340	0.001410	0.001480	0.001600	0.001660	0.001640	0.000671	0.000782	0.000820	0.000828	0.000862
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System Activity	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum activity	0.000893	0.000907	0.000938	0.000973	0.001011	0.001100	0.001062	0.001097	0.001125	0.001146	0.001155	0.001195
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



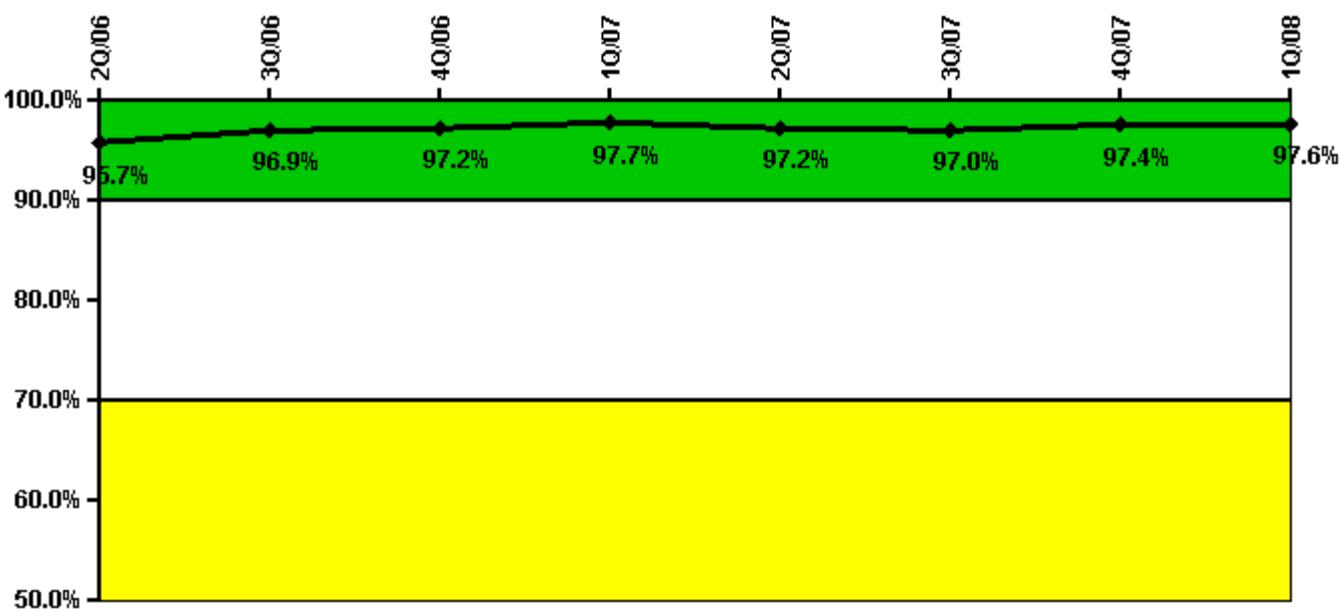
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum leakage	0.050	0.050	0.020	0.020	0.030	0.020	0.020	0.010	0.030	0.060	0.100	0.110
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.5	0.2	0.2	0.3	0.2	0.2	0.1	0.3	0.6	1.0	1.1
Reactor Coolant System Leakage	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum leakage	0.080	0.070	0.100	0.100	0.070	0.080	0.050	0.030	0.120	0.130	0.030	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.8	0.7	1.0	1.0	0.7	0.8	0.5	0.3	1.2	1.3	0.3	0.4

Licensee Comments: none

Drill/Exercise Performance



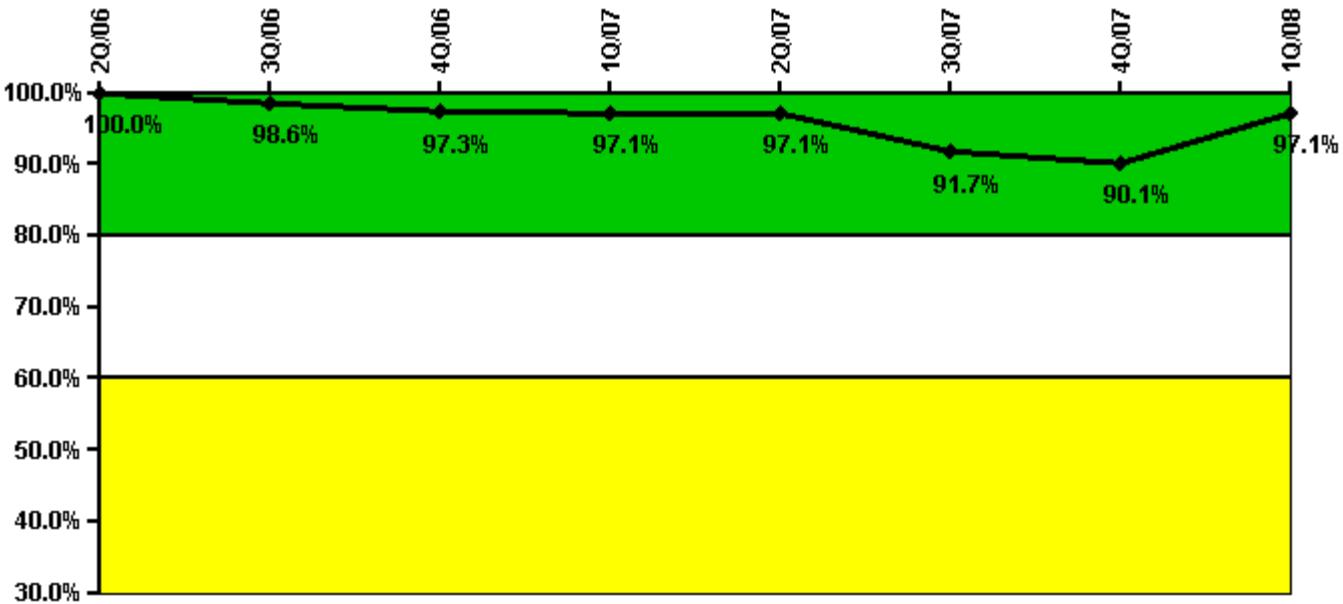
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful opportunities	38.0	29.0	0	31.0	22.0	36.0	8.0	39.0
Total opportunities	38.0	29.0	0	31.0	24.0	38.0	8.0	40.0
Indicator value	95.7%	96.9%	97.2%	97.7%	97.2%	97.0%	97.4%	97.6%

Licensee Comments: none

ERO Drill Participation



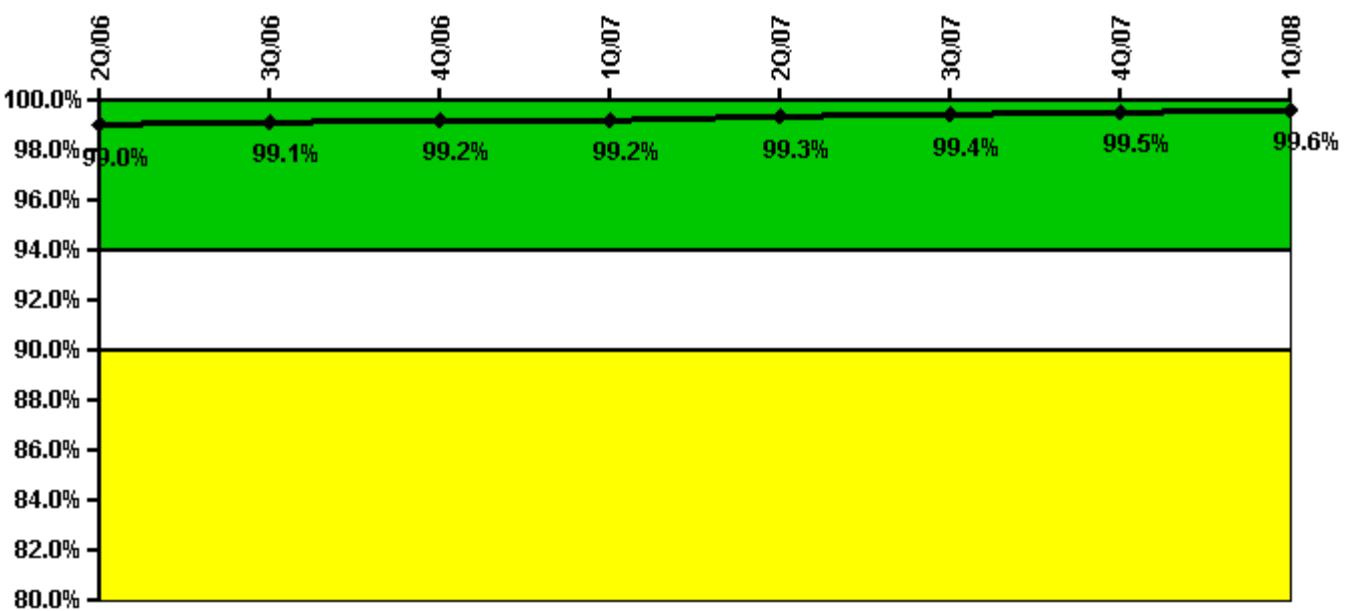
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Participating Key personnel	71.0	71.0	71.0	66.0	66.0	66.0	64.0	66.0
Total Key personnel	71.0	72.0	73.0	68.0	68.0	72.0	71.0	68.0
Indicator value	100.0%	98.6%	97.3%	97.1%	97.1%	91.7%	90.1%	97.1%

Licensee Comments: none

Alert & Notification System



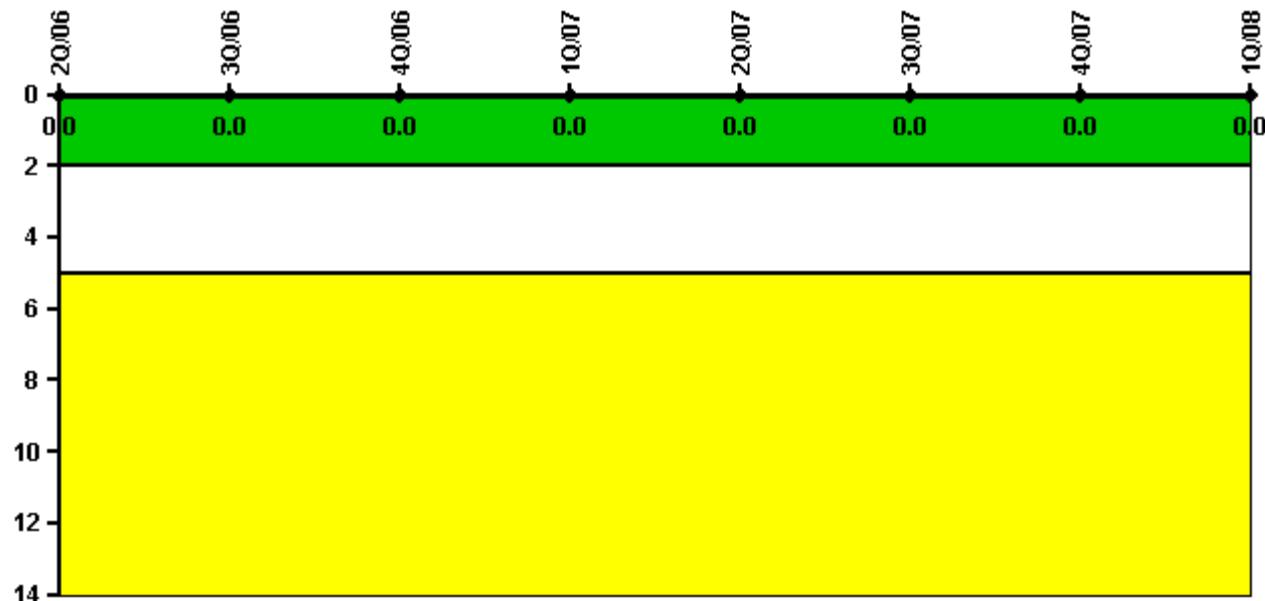
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful siren-tests	840	736	840	738	845	738	844	846
Total sirens-tests	848	742	848	742	848	742	848	848
Indicator value	99.0%	99.1%	99.2%	99.2%	99.3%	99.4%	99.5%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



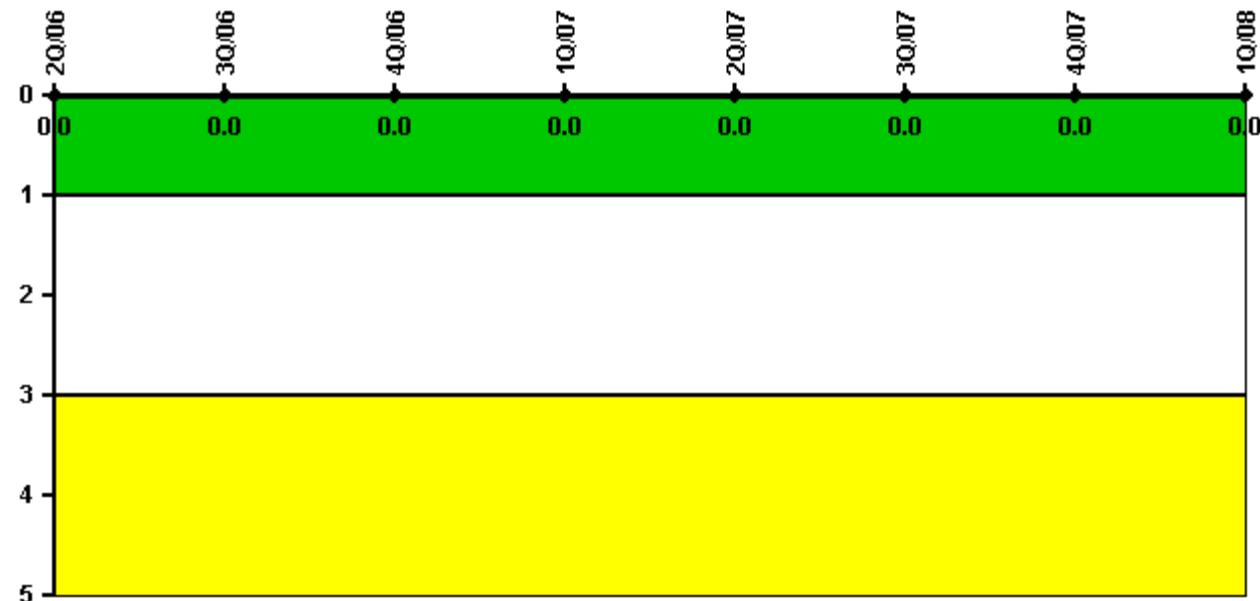
Thresholds: White > 2.0 Yellow > 5.0

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



[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: April 30, 2008

Summer

2Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



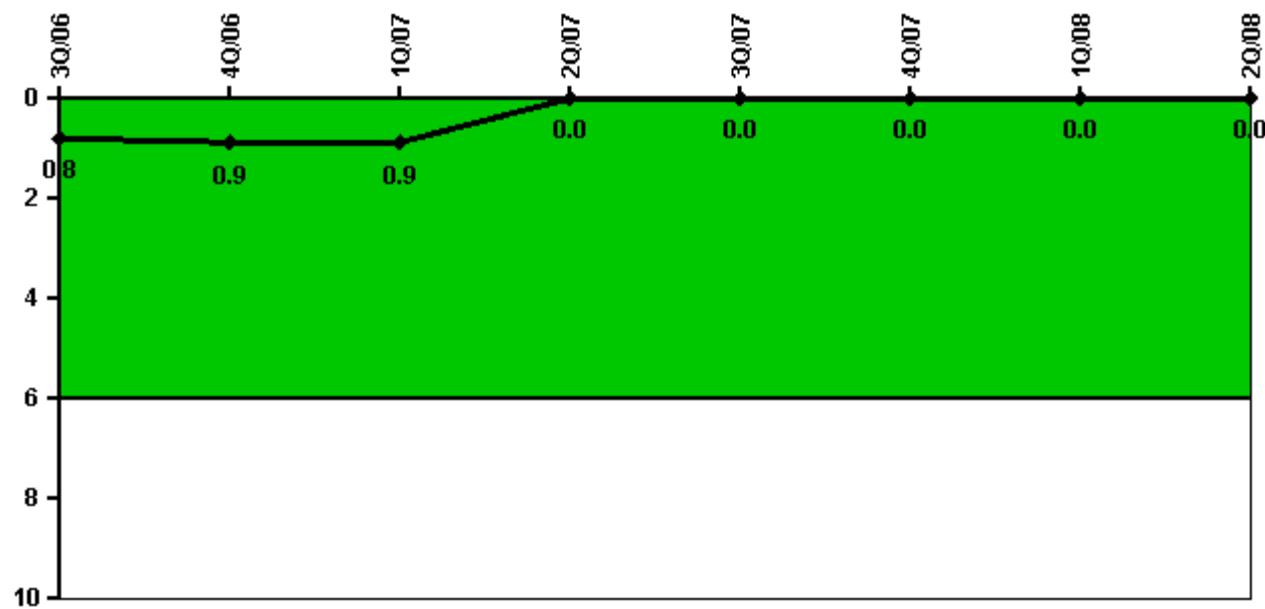
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned scrams	0	0	1.0	0	0	0	1.0	0
Critical hours	2208.0	1296.0	2126.5	2184.0	2208.0	2209.0	2002.8	1031.8
Indicator value	0	0	0.9	0.9	0.9	0.8	0.8	0.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



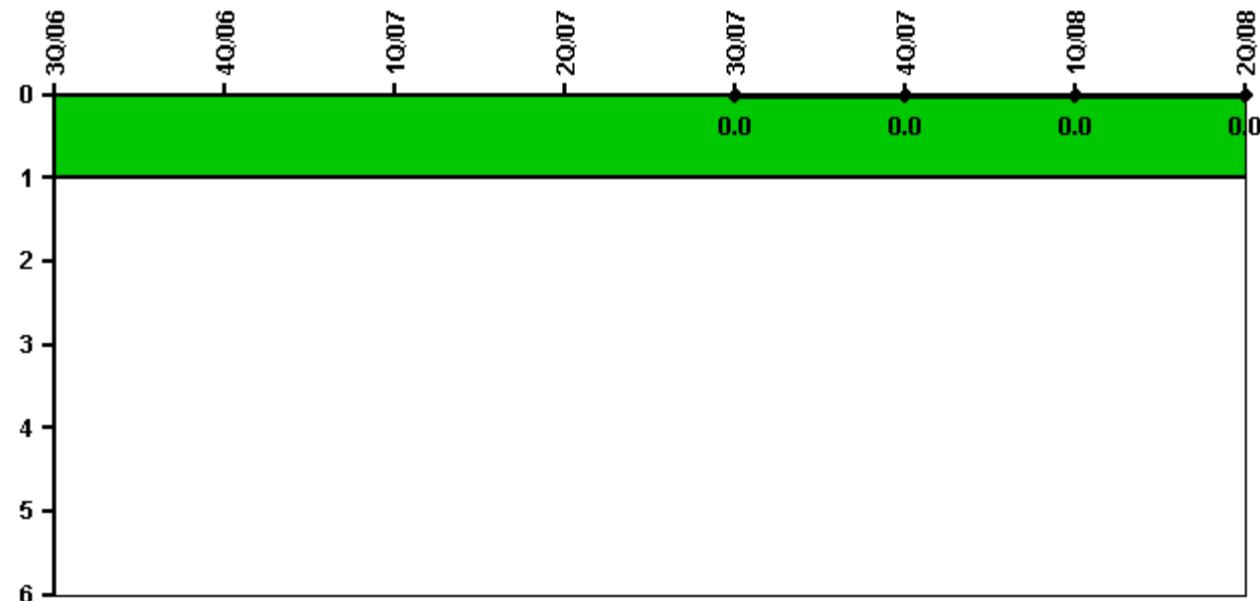
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	1296.0	2126.5	2184.0	2208.0	2209.0	2002.8	1031.8
Indicator value	0.8	0.9	0.9	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



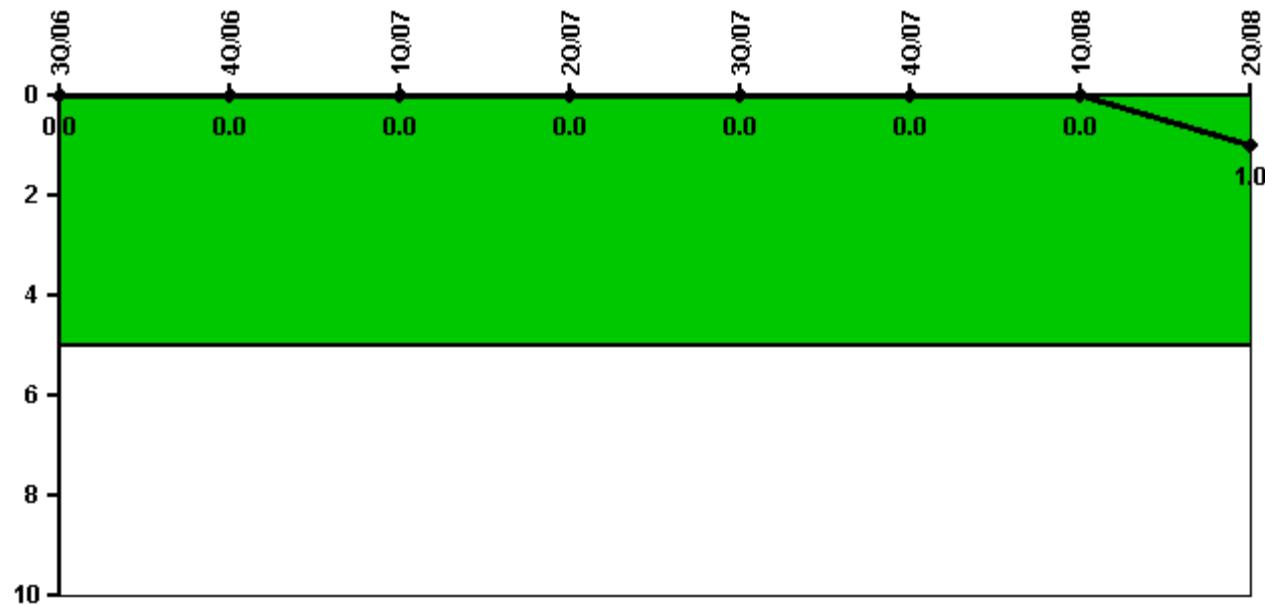
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

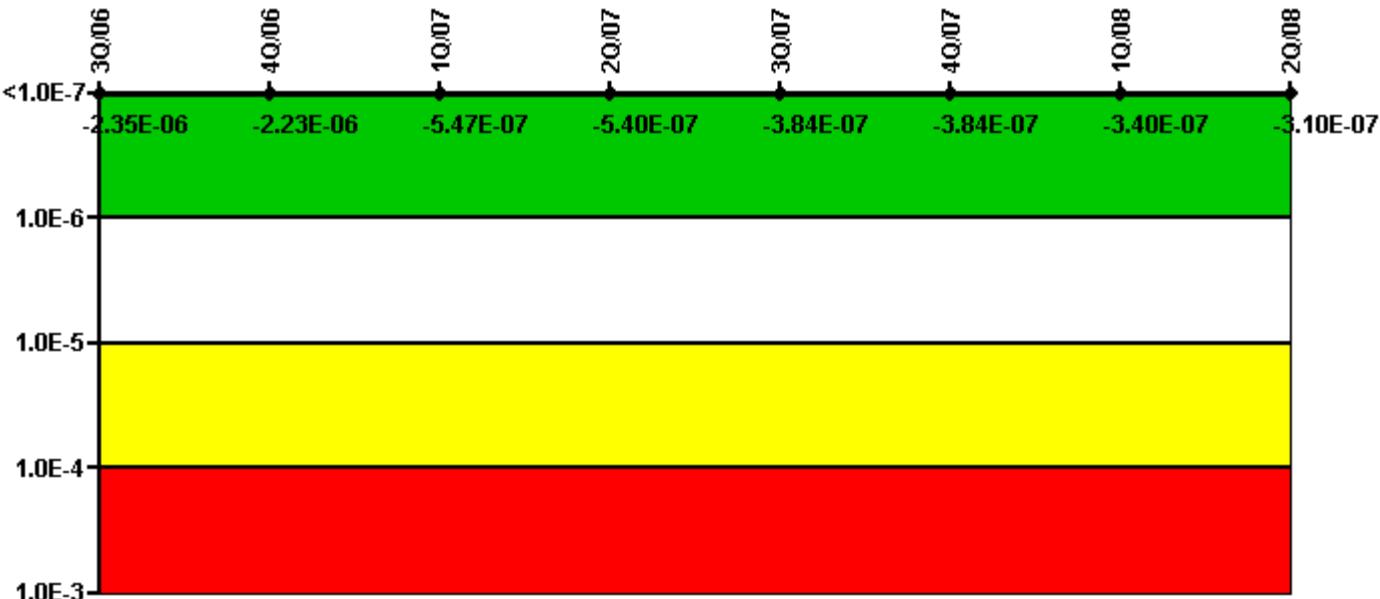
Notes

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

Licensee Comments:

2Q/08: LER 08-002-00 dated May 12, 2008 reported a control room pressure boundary (CRPB) breach that was sufficient to cause air out-leakage that reduced CRPB pressure below Technical Specifications (TS) minimum and outside airflow that exceeded TS maximum.

Mitigating Systems Performance Index, Emergency AC Power System



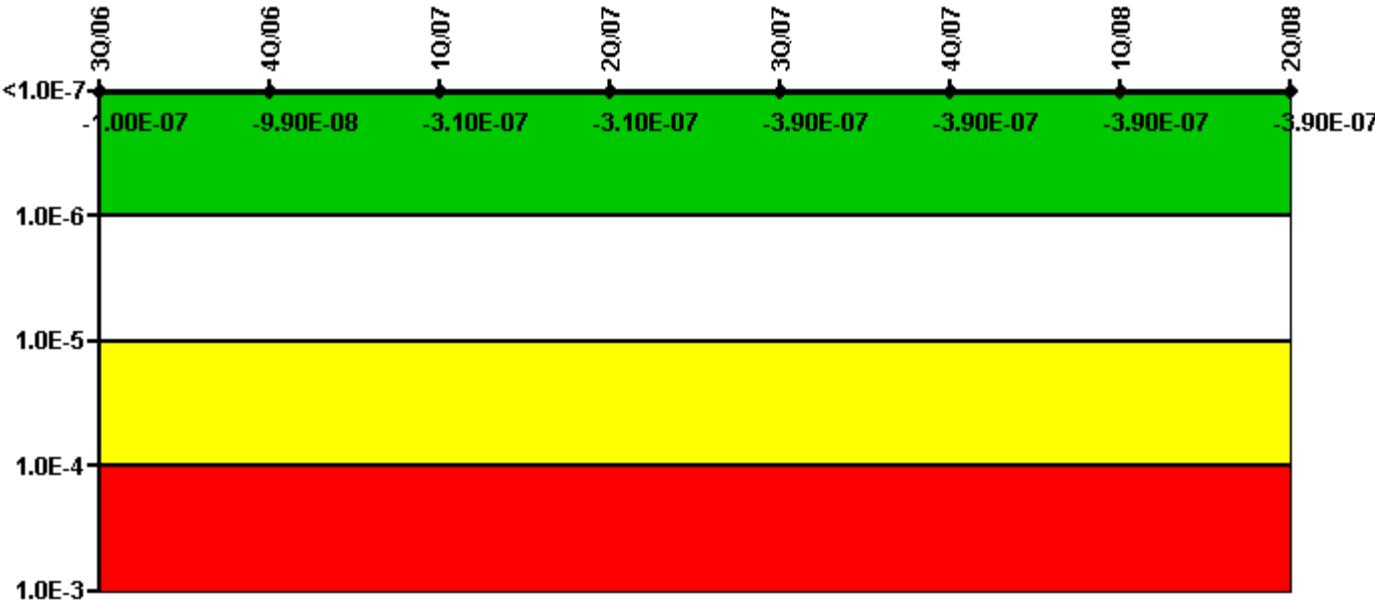
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF)	1.50E-07	2.70E-07	8.30E-08	8.00E-08	8.60E-08	8.60E-08	1.30E-07	1.50E-07
URI (Δ CDF)	-2.50E-06	-2.50E-06	-6.30E-07	-6.20E-07	-4.70E-07	-4.70E-07	-4.70E-07	-4.60E-07
PLE	NO							
Indicator value	-2.35E-06	-2.23E-06	-5.47E-07	-5.40E-07	-3.84E-07	-3.84E-07	-3.40E-07	-3.10E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



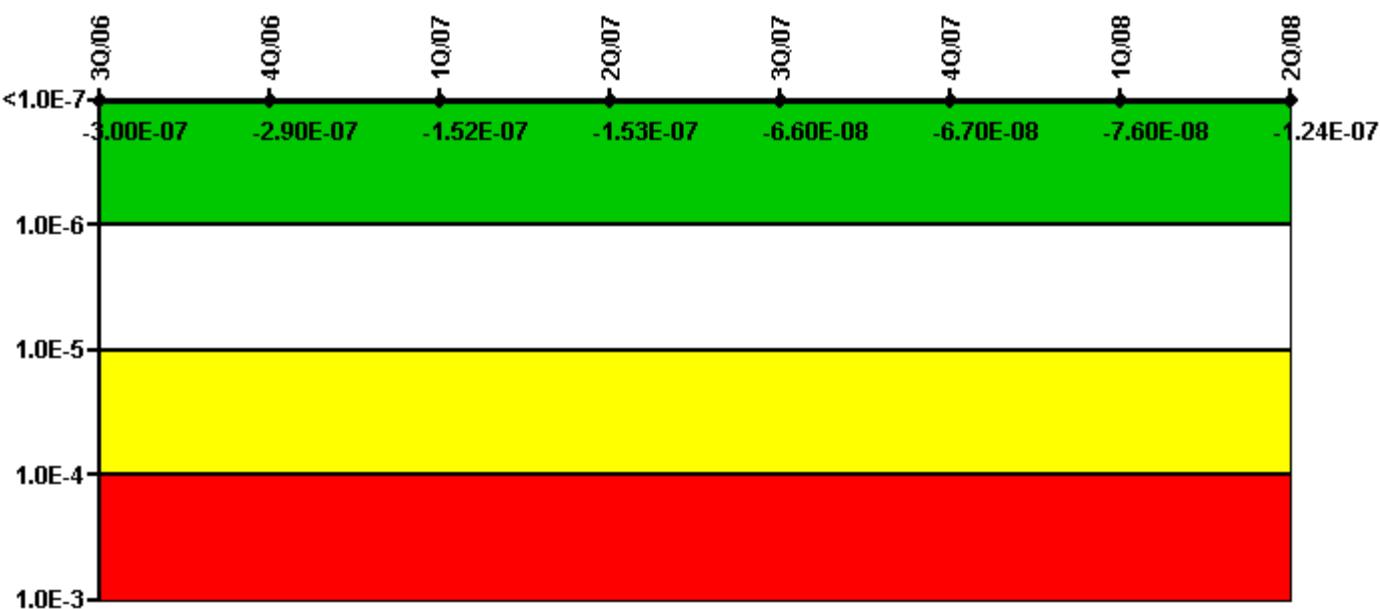
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	-2.90E-08	-2.90E-08	-2.00E-07	-2.00E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07
URI (Δ CDF)	-7.10E-08	-7.00E-08	-1.10E-07	-1.10E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07
PLE	NO							
Indicator value	-1.00E-07	-9.90E-08	-3.10E-07	-3.10E-07	-3.90E-07	-3.90E-07	-3.90E-07	-3.90E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



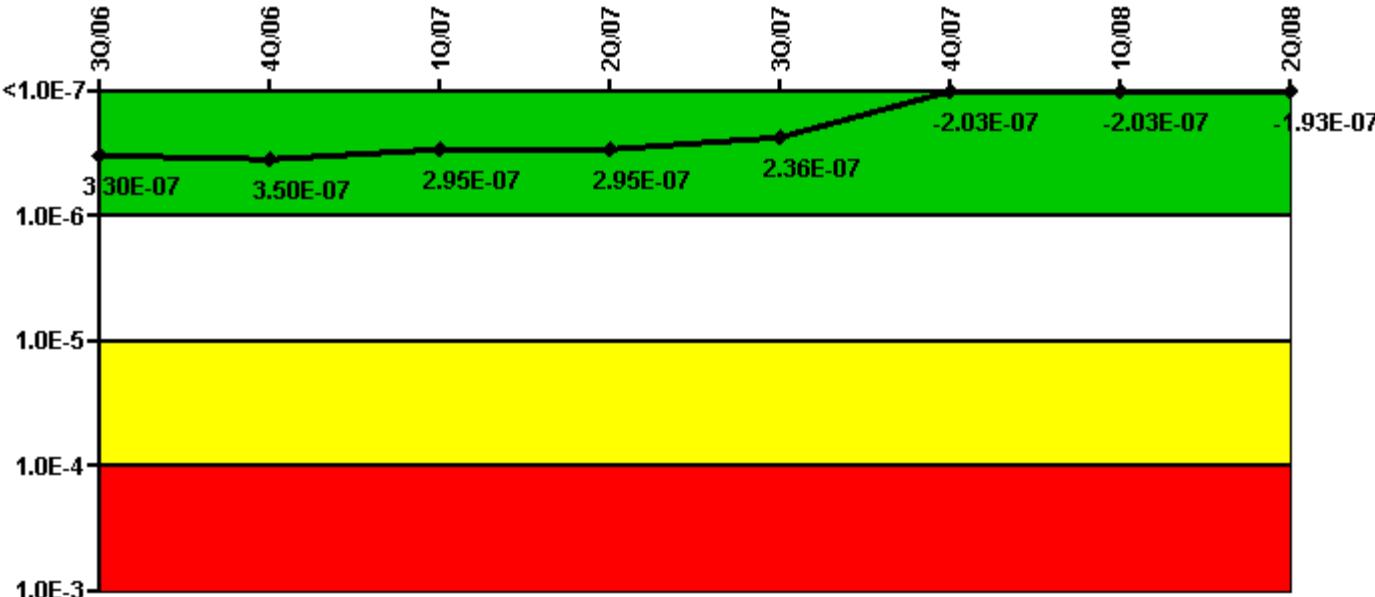
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	2.50E-07	2.50E-07	5.80E-08	5.70E-08	3.40E-08	3.30E-08	3.40E-08	-2.40E-08
URI (Δ CDF)	-5.50E-07	-5.40E-07	-2.10E-07	-2.10E-07	-1.00E-07	-1.00E-07	-1.10E-07	-1.00E-07
PLE	NO							
Indicator value	-3.00E-07	-2.90E-07	-1.52E-07	-1.53E-07	-6.60E-08	-6.70E-08	-7.60E-08	-1.24E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



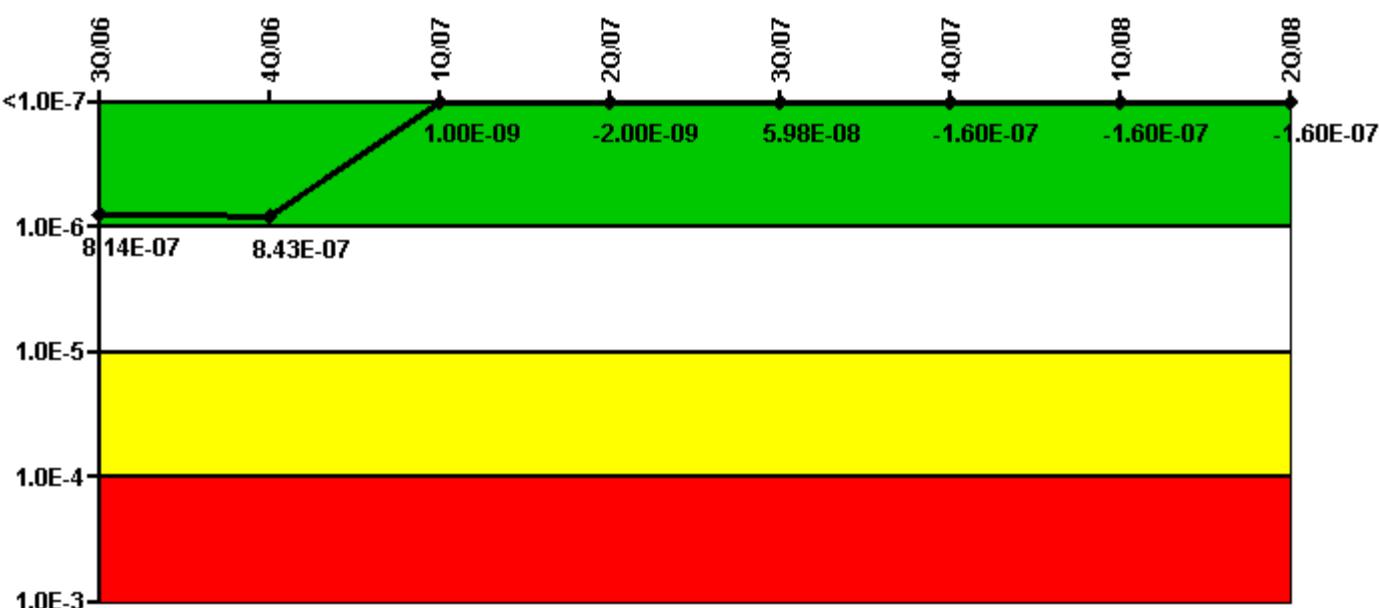
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	-2.00E-08	-2.00E-08	-1.50E-08	-1.50E-08	-1.40E-08	-2.30E-08	-2.30E-08	-2.30E-08
URI (Δ CDF)	3.50E-07	3.70E-07	3.10E-07	3.10E-07	2.50E-07	-1.80E-07	-1.80E-07	-1.70E-07
PLE	NO							
Indicator value	3.30E-07	3.50E-07	2.95E-07	2.95E-07	2.36E-07	-2.03E-07	-2.03E-07	-1.93E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



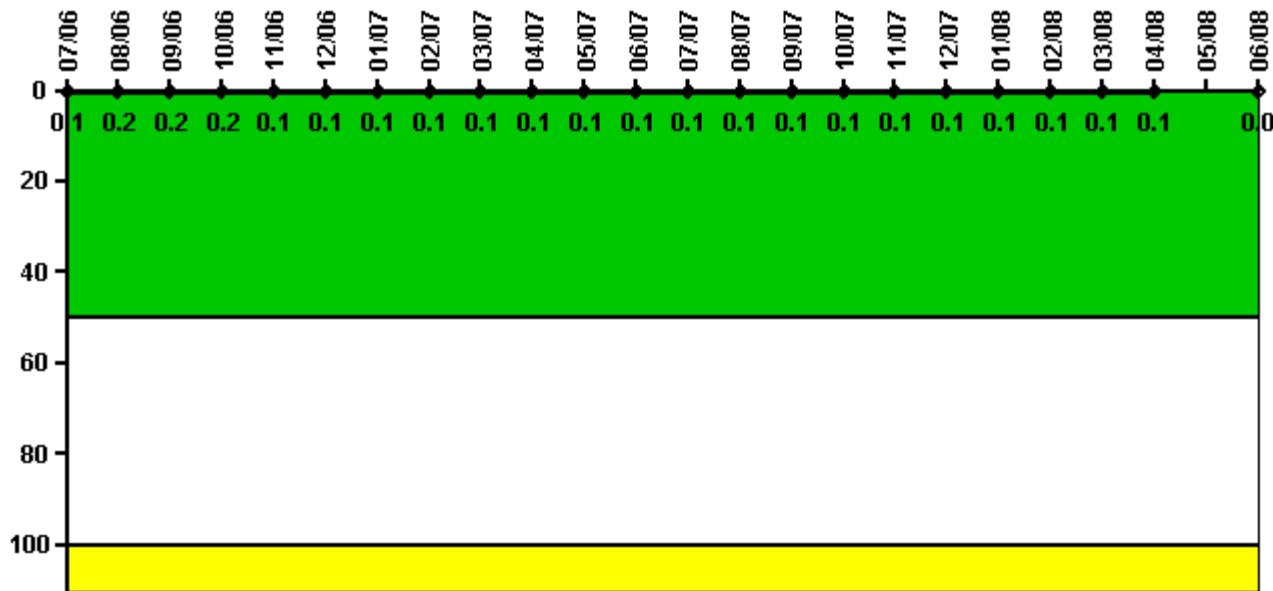
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	4.40E-08	4.30E-08	3.90E-08	3.80E-08	9.80E-09	9.80E-09	1.00E-08	1.00E-08
URI (Δ CDF)	7.70E-07	8.00E-07	-3.80E-08	-4.00E-08	5.00E-08	-1.70E-07	-1.70E-07	-1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.14E-07	8.43E-07	1.00E-09	-2.00E-09	5.98E-08	-1.60E-07	-1.60E-07	-1.60E-07

Licensee Comments: none

Reactor Coolant System Activity



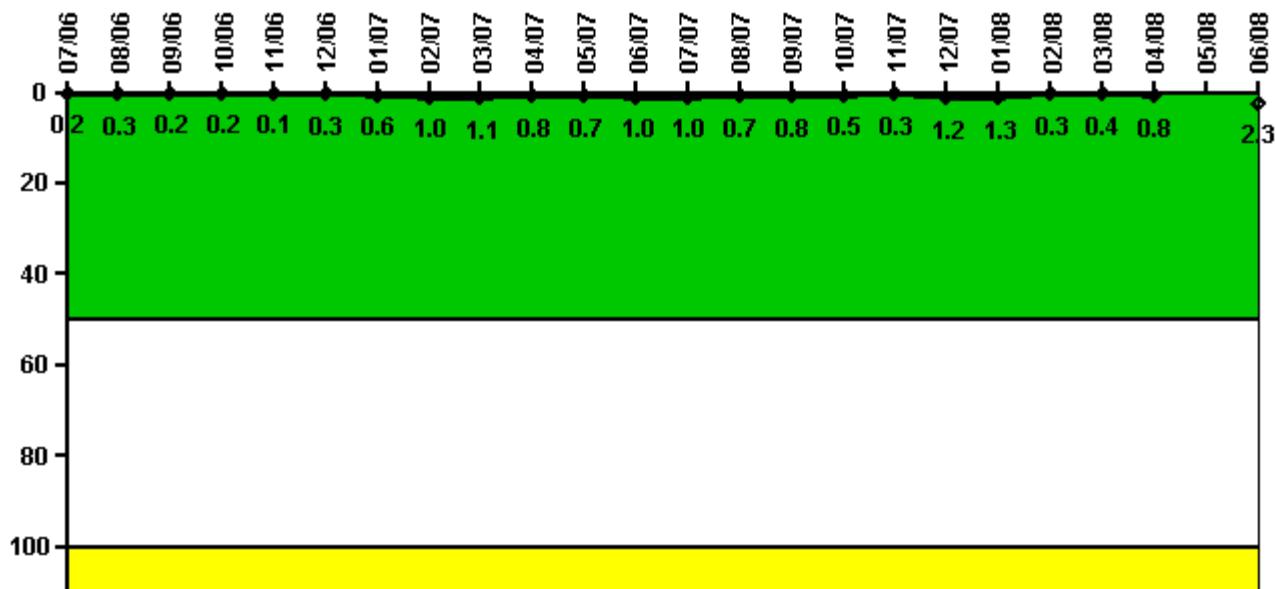
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum activity	0.001480	0.001600	0.001660	0.001640	0.000671	0.000782	0.000820	0.000828	0.000862	0.000893	0.000907	0.000938
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System Activity	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	0.000973	0.001011	0.001033	0.001062	0.001097	0.001125	0.001146	0.001155	0.001195	0.001238	N/A	0.000446
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A	0

Licensee Comments: none

Reactor Coolant System Leakage



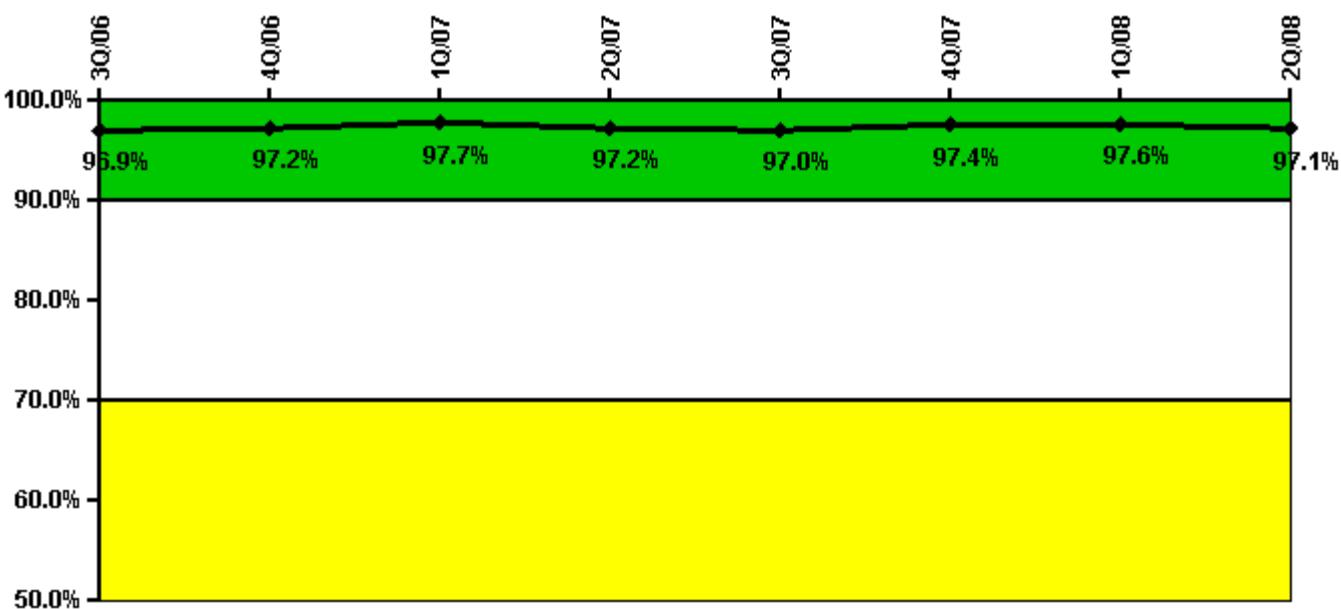
Thresholds: White > 50.0 Yellow > 100.0

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	0.020	0.030	0.020	0.020	0.010	0.030	0.060	0.100	0.110	0.080	0.070	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.3	0.2	0.2	0.1	0.3	0.6	1.0	1.1	0.8	0.7	1.0
Reactor Coolant System Leakage	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum leakage	0.100	0.070	0.080	0.050	0.030	0.120	0.130	0.030	0.040	0.080	N/A	0.230
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.0	0.7	0.8	0.5	0.3	1.2	1.3	0.3	0.4	0.8	N/A	2.3

Licensee Comments: none

Drill/Exercise Performance



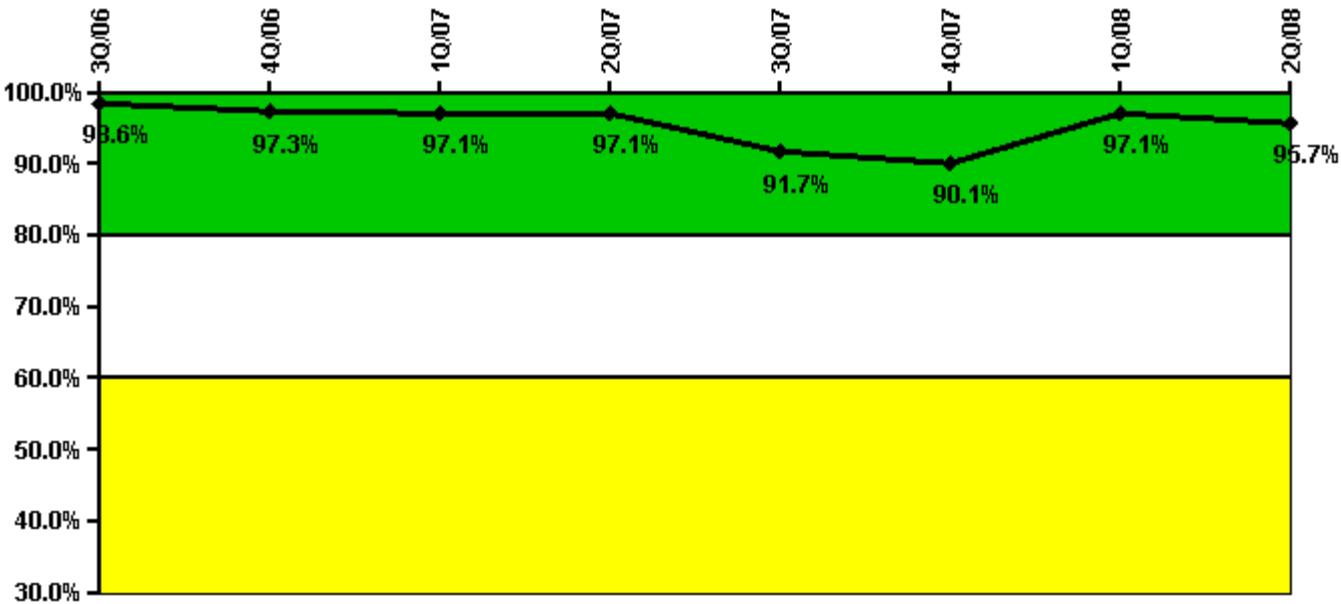
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful opportunities	29.0	0	31.0	22.0	36.0	8.0	39.0	0
Total opportunities	29.0	0	31.0	24.0	38.0	8.0	40.0	0
Indicator value	96.9%	97.2%	97.7%	97.2%	97.0%	97.4%	97.6%	97.1%

Licensee Comments: none

ERO Drill Participation



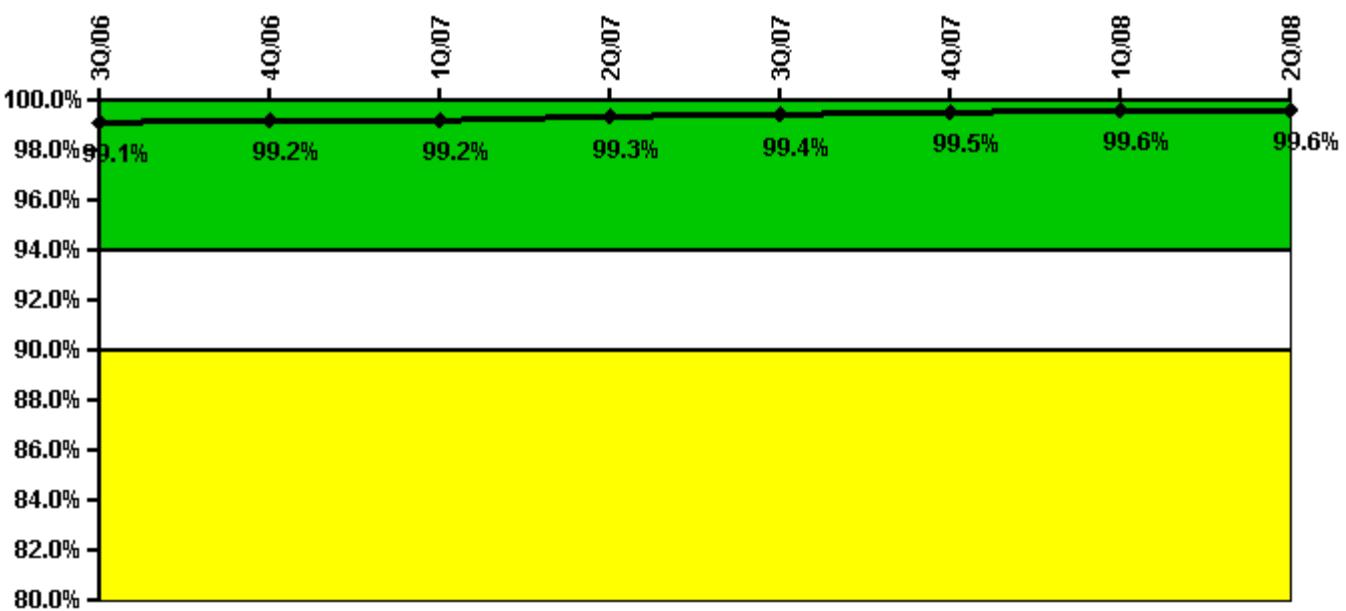
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Participating Key personnel	71.0	71.0	66.0	66.0	66.0	64.0	66.0	66.0
Total Key personnel	72.0	73.0	68.0	68.0	72.0	71.0	68.0	69.0
Indicator value	98.6%	97.3%	97.1%	97.1%	91.7%	90.1%	97.1%	95.7%

Licensee Comments: none

Alert & Notification System



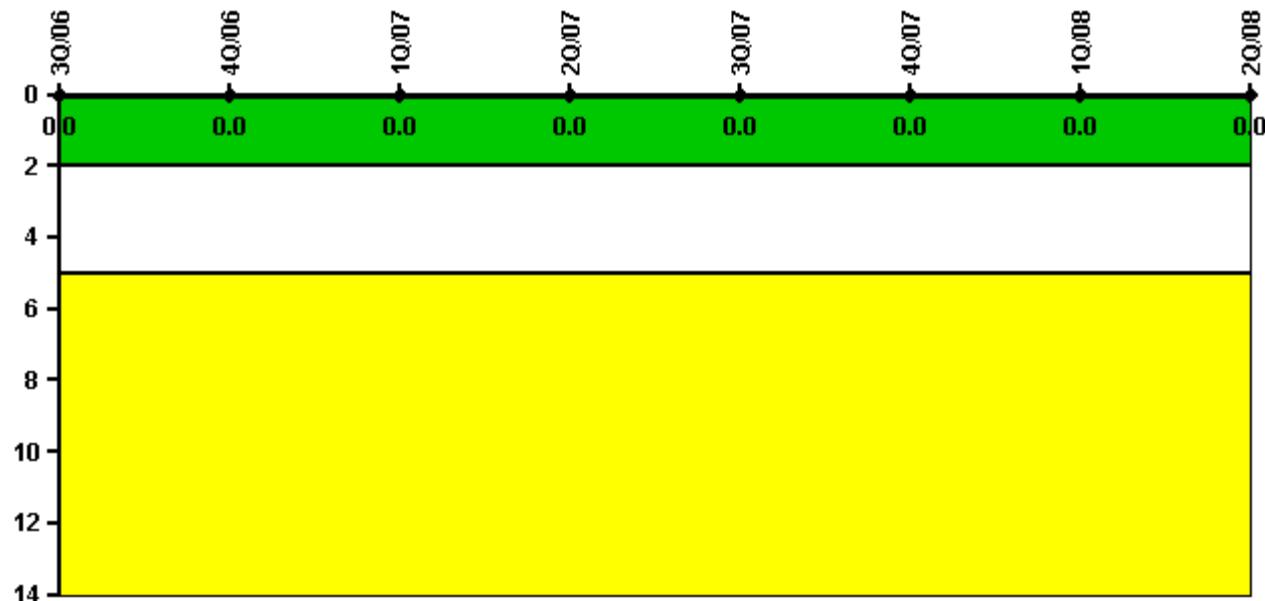
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful siren-tests	736	840	738	845	738	844	846	738
Total sirens-tests	742	848	742	848	742	848	848	742
Indicator value	99.1%	99.2%	99.2%	99.3%	99.4%	99.5%	99.6%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



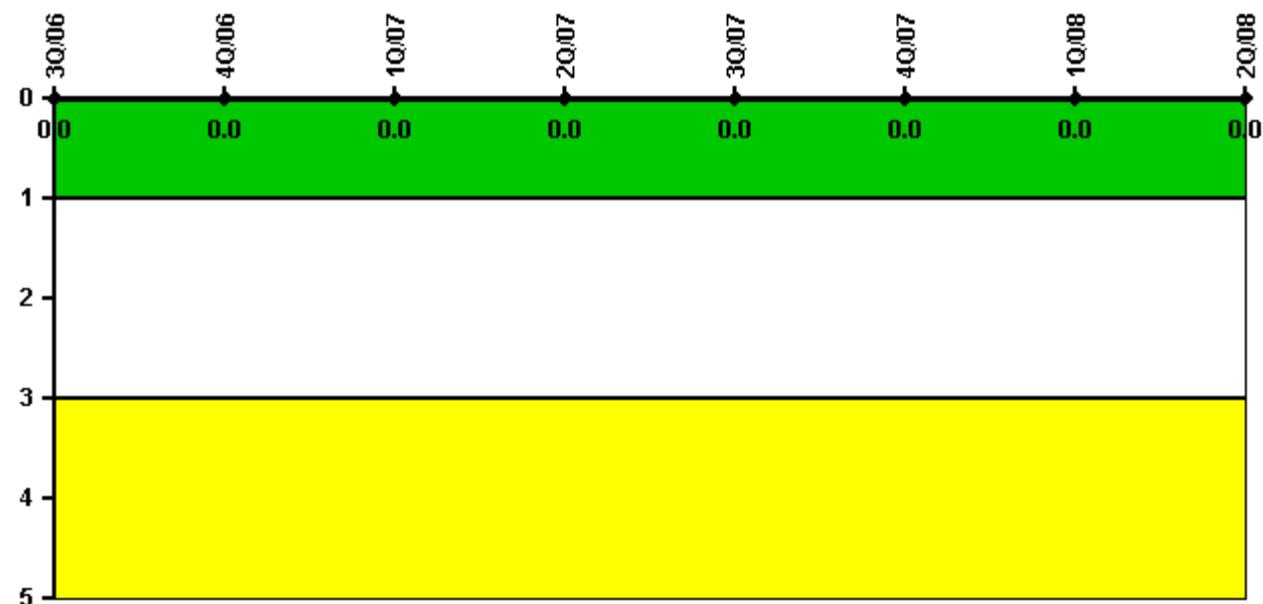
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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.



[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

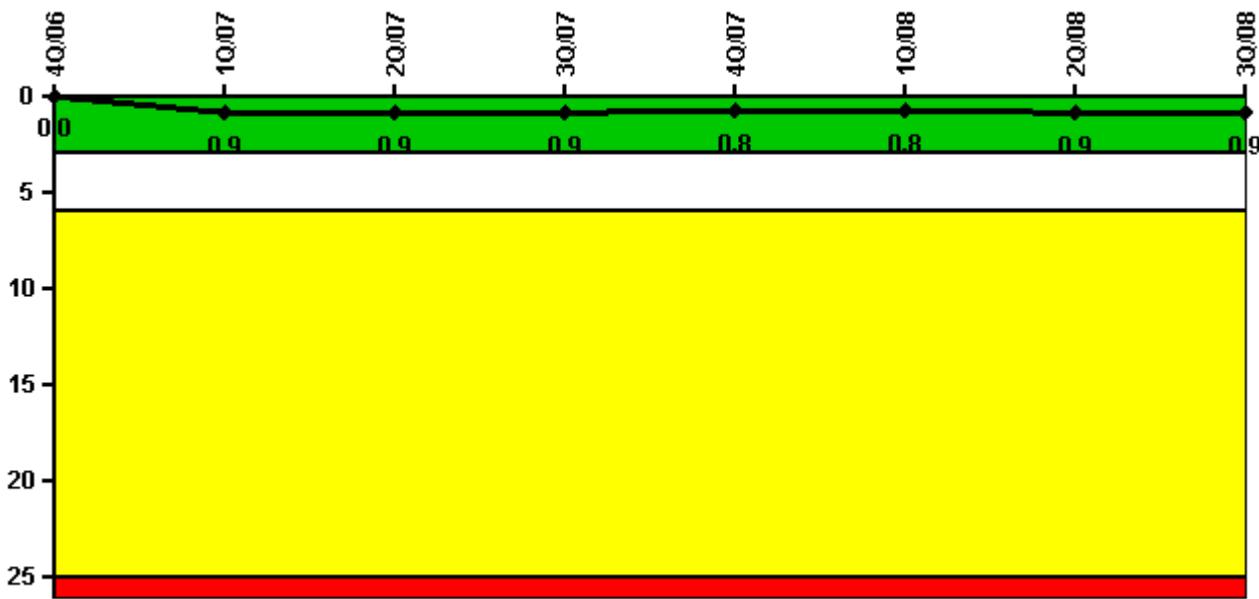
Last Modified: August 4, 2008

Summer

3Q/2008 Performance Indicators

Licensee's General Comments: minor revision due to data entry errors

Unplanned Scrams per 7000 Critical Hrs



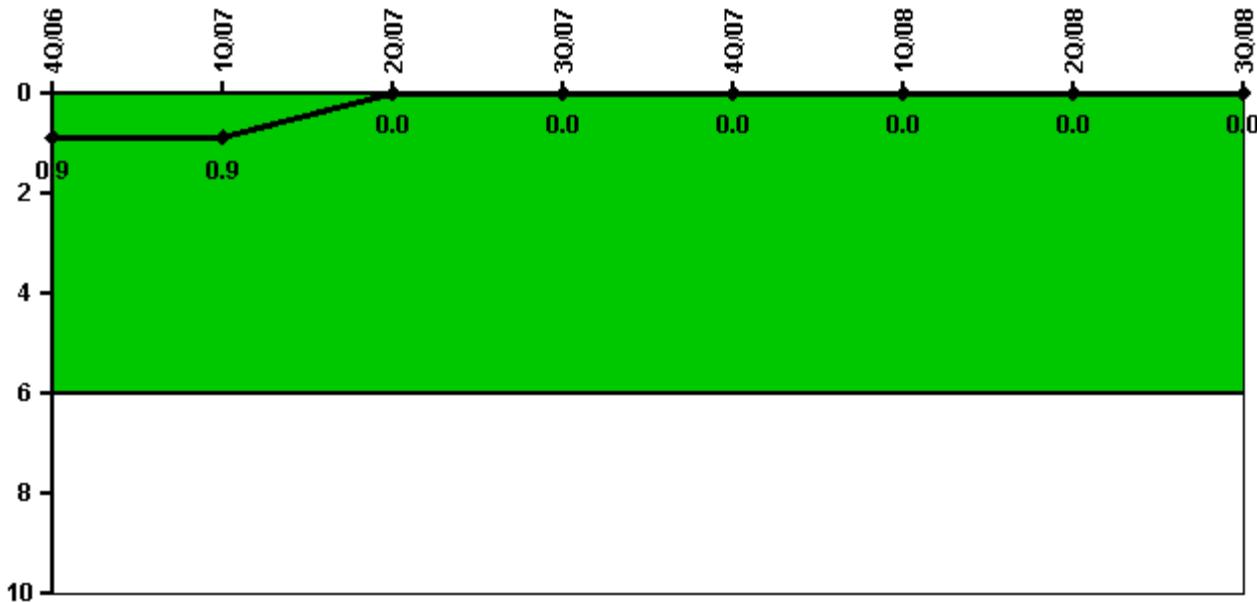
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned scrams	0	1.0	0	0	0	1.0	0	0
Critical hours	1296.0	2126.5	2184.0	2208.0	2209.0	2002.8	1031.8	2208.0
Indicator value	0	0.9	0.9	0.9	0.8	0.8	0.9	0.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



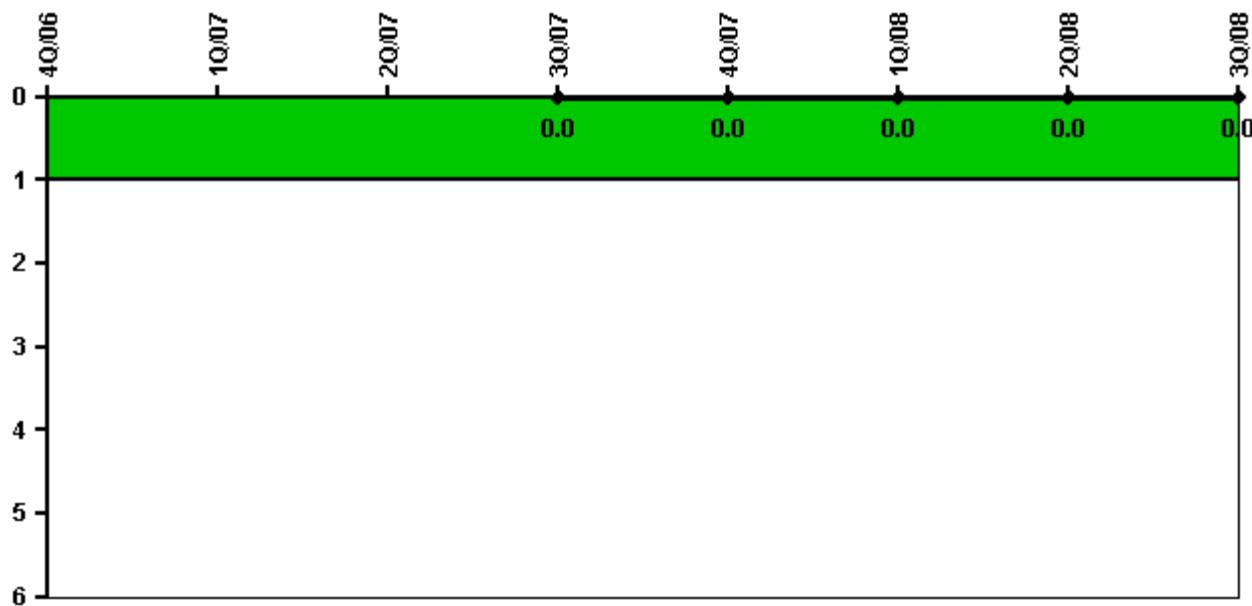
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1296.0	2126.5	2184.0	2208.0	2209.0	2002.8	1031.8	2208.0
Indicator value	0.9	0.9	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



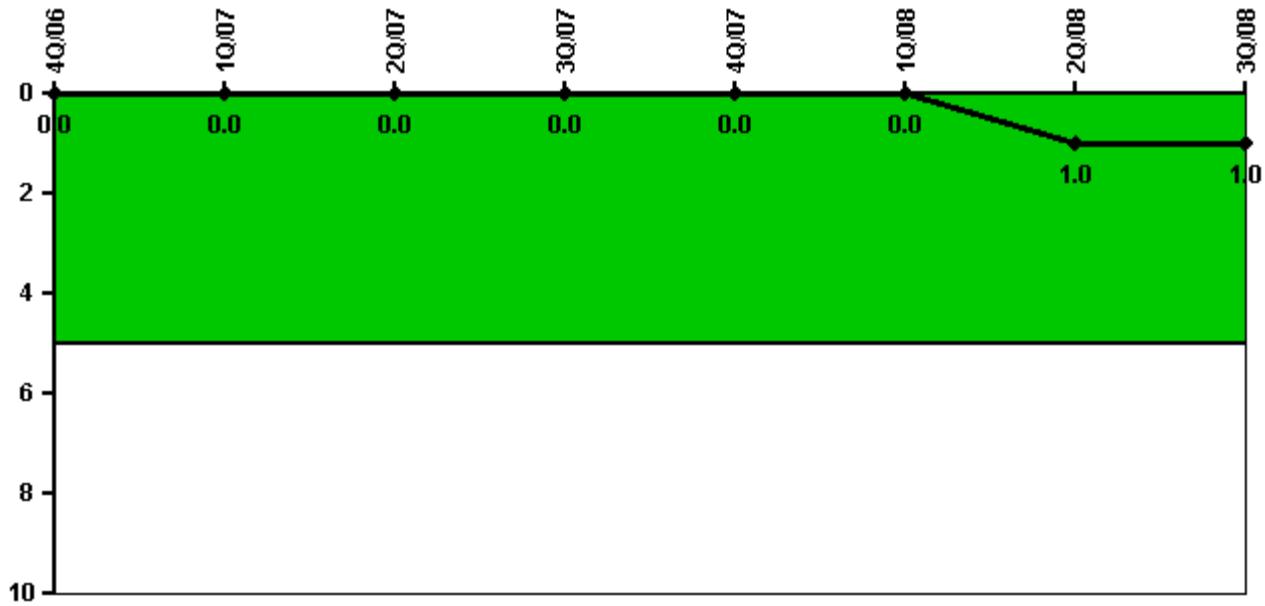
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	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

Licensee Comments: none

Safety System Functional Failures (PWR)



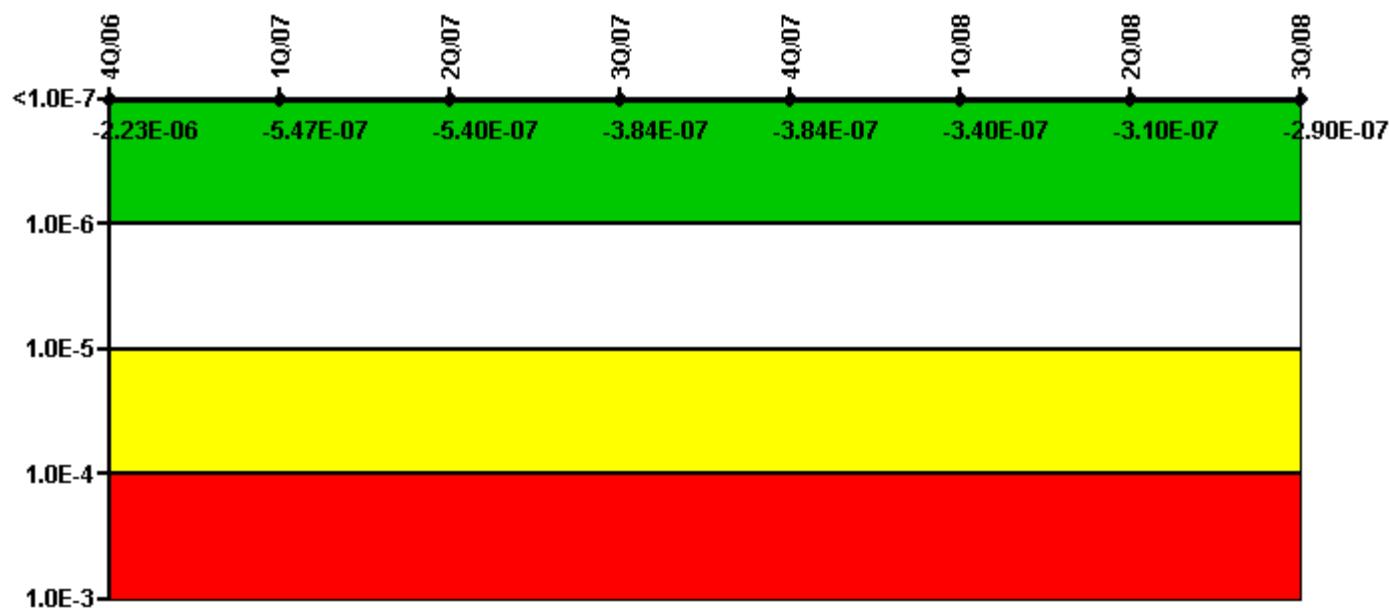
Thresholds: White > 5.0

Notes

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



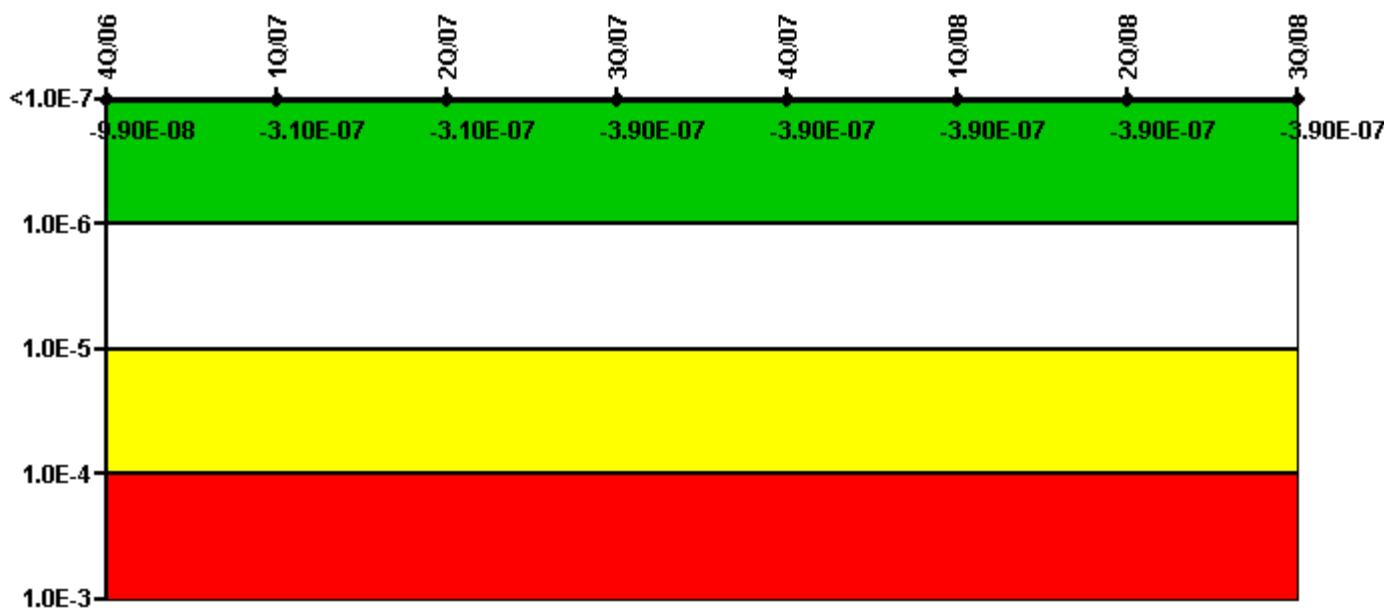
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	2.70E-07	8.30E-08	8.00E-08	8.60E-08	8.60E-08	1.30E-07	1.50E-07	1.70E-07
URI (Δ CDF)	-2.50E-06	-6.30E-07	-6.20E-07	-4.70E-07	-4.70E-07	-4.70E-07	-4.60E-07	-4.60E-07
PLE	NO							
Indicator value	-2.23E-06	-5.47E-07	-5.40E-07	-3.84E-07	-3.84E-07	-3.40E-07	-3.10E-07	-2.90E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



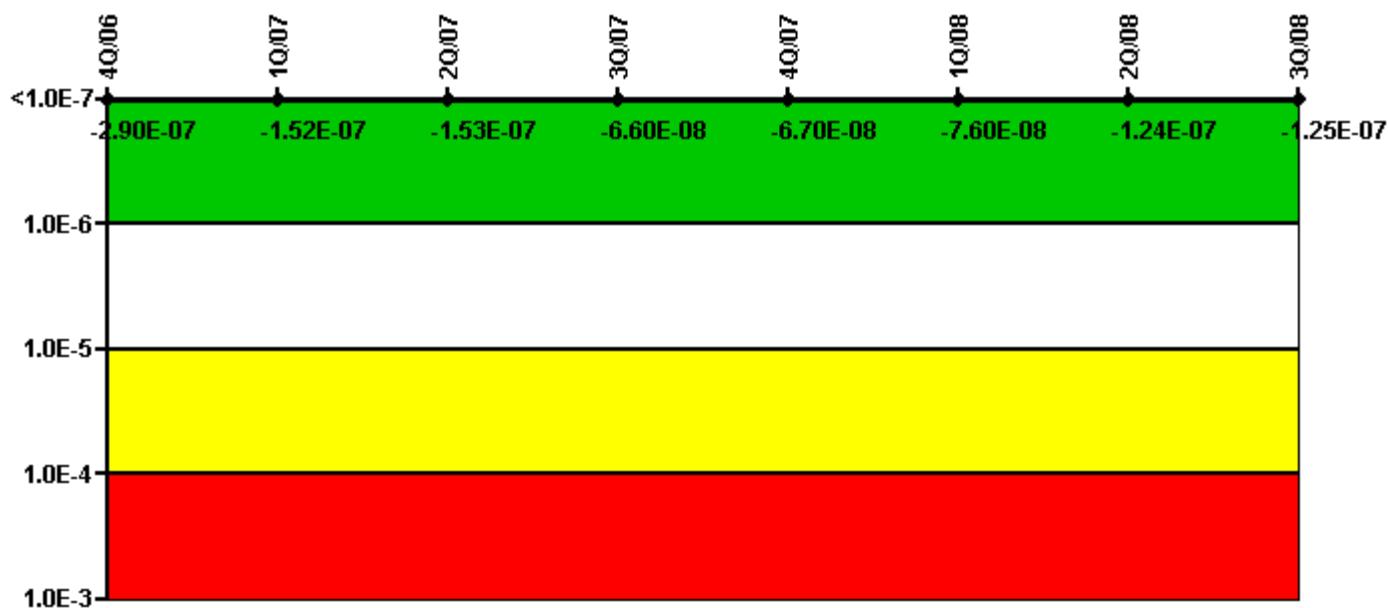
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	-2.90E-08	-2.00E-07	-2.00E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07
URI (Δ CDF)	-7.00E-08	-1.10E-07	-1.10E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07
PLE	NO							
Indicator value	-9.90E-08	-3.10E-07	-3.10E-07	-3.90E-07	-3.90E-07	-3.90E-07	-3.90E-07	-3.90E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



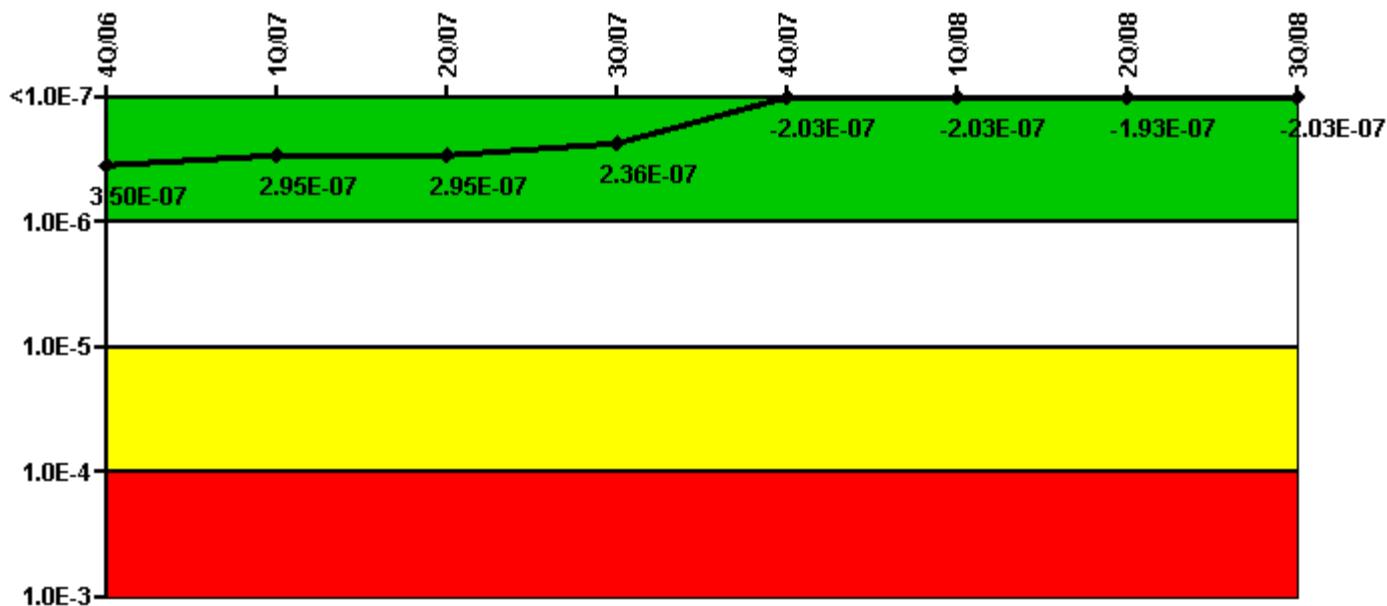
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	2.50E-07	5.80E-08	5.70E-08	3.40E-08	3.30E-08	3.40E-08	-2.40E-08	-2.50E-08
URI (Δ CDF)	-5.40E-07	-2.10E-07	-2.10E-07	-1.00E-07	-1.00E-07	-1.10E-07	-1.00E-07	-1.00E-07
PLE	NO							
Indicator value	-2.90E-07	-1.52E-07	-1.53E-07	-6.60E-08	-6.70E-08	-7.60E-08	-1.24E-07	-1.25E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



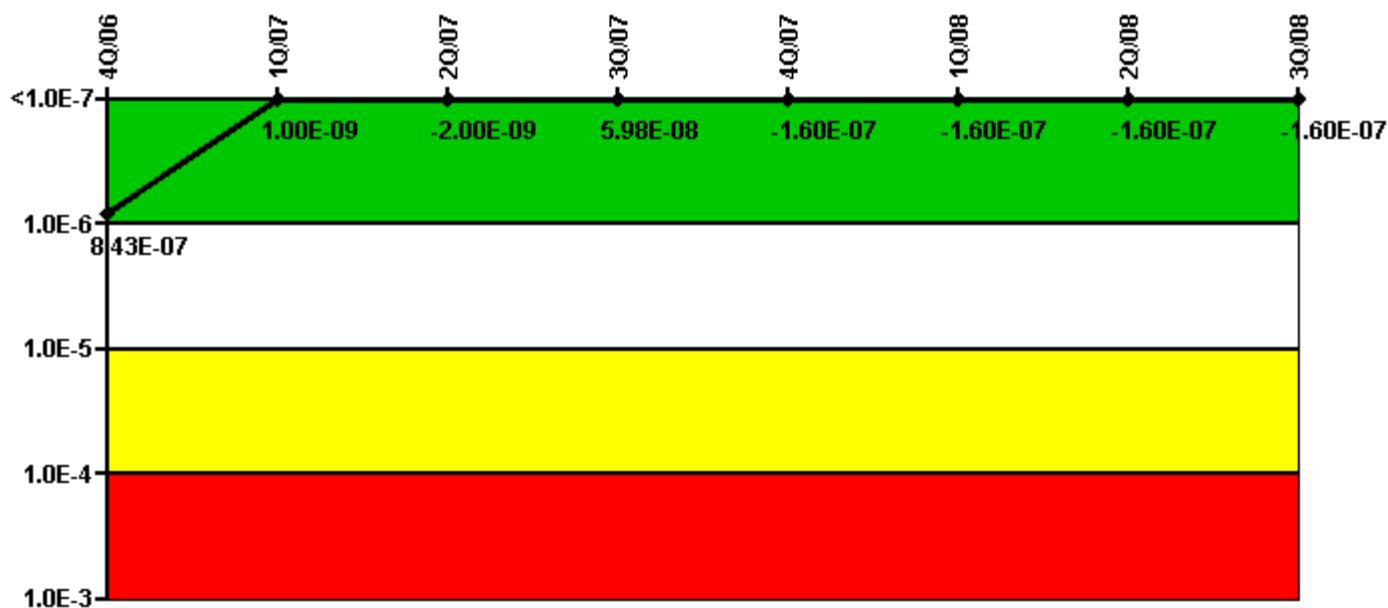
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	-2.00E-08	-1.50E-08	-1.50E-08	-1.40E-08	-2.30E-08	-2.30E-08	-2.30E-08	-2.30E-08
URI (Δ CDF)	3.70E-07	3.10E-07	3.10E-07	2.50E-07	-1.80E-07	-1.80E-07	-1.70E-07	-1.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.50E-07	2.95E-07	2.95E-07	2.36E-07	-2.03E-07	-2.03E-07	-1.93E-07	-2.03E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



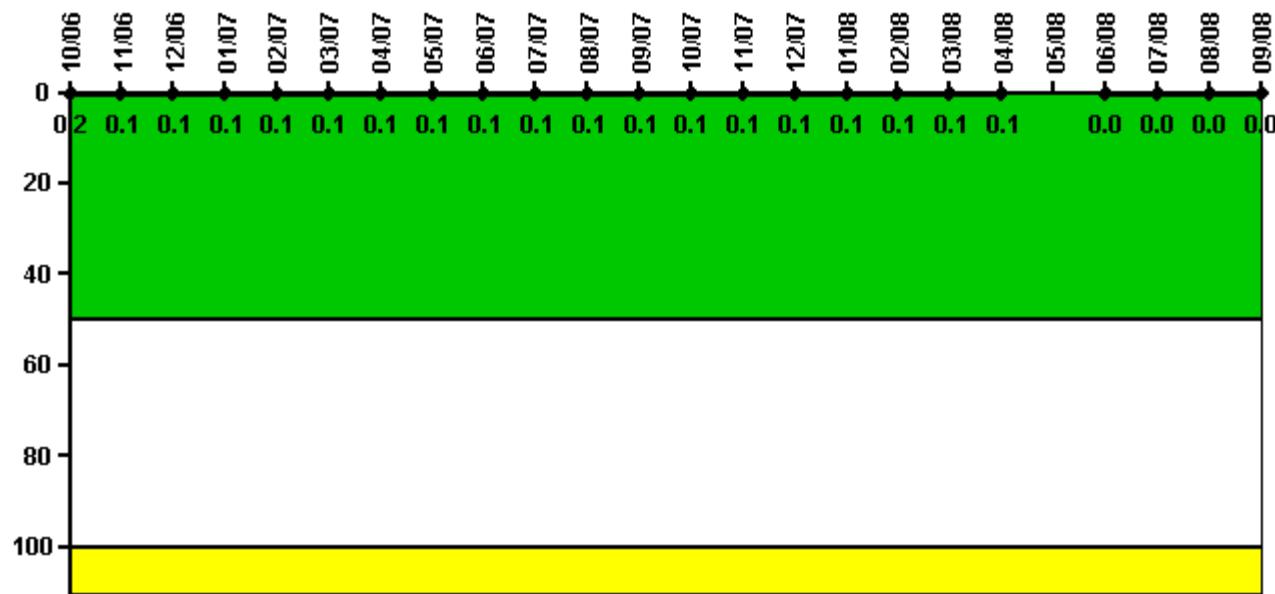
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	4.30E-08	3.90E-08	3.80E-08	9.80E-09	9.80E-09	1.00E-08	1.00E-08	1.00E-08
URI (Δ CDF)	8.00E-07	-3.80E-08	-4.00E-08	5.00E-08	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.43E-07	1.00E-09	-2.00E-09	5.98E-08	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07

Licensee Comments: none

Reactor Coolant System Activity



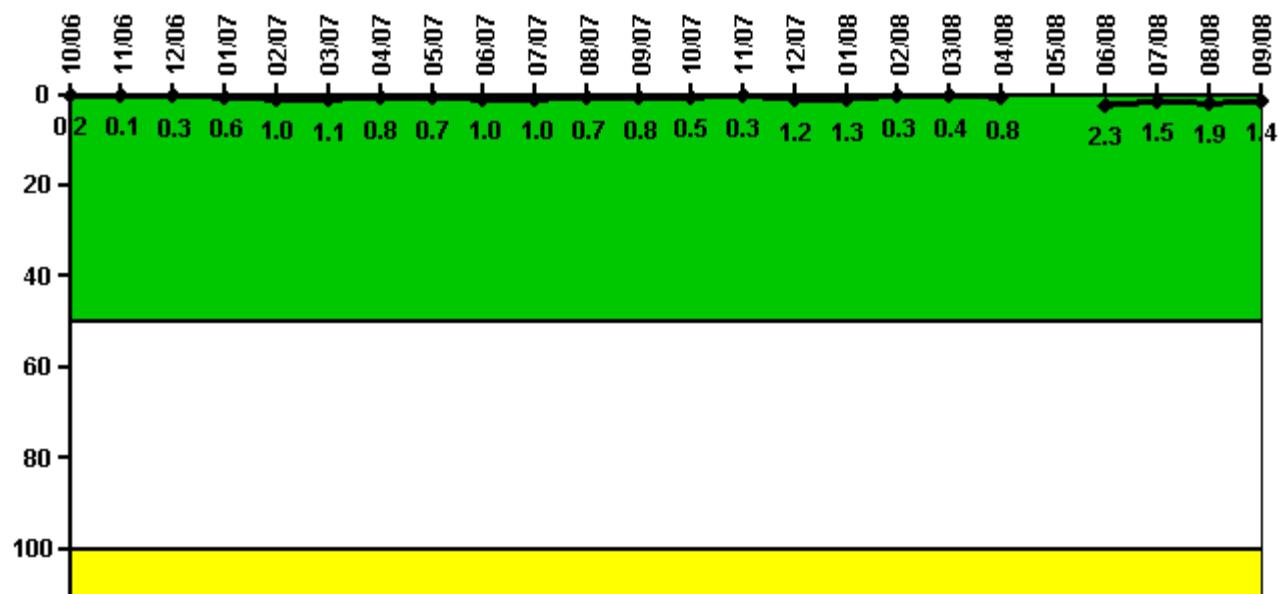
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum activity	0.001640	0.000671	0.000782	0.000820	0.000828	0.000862	0.000893	0.000907	0.000938	0.000973	0.001011	0.001033
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System Activity	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	0.001062	0.001097	0.001125	0.001146	0.001155	0.001195	0.001238	N/A	0.000446	0.000466	0.000476	0.000485
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



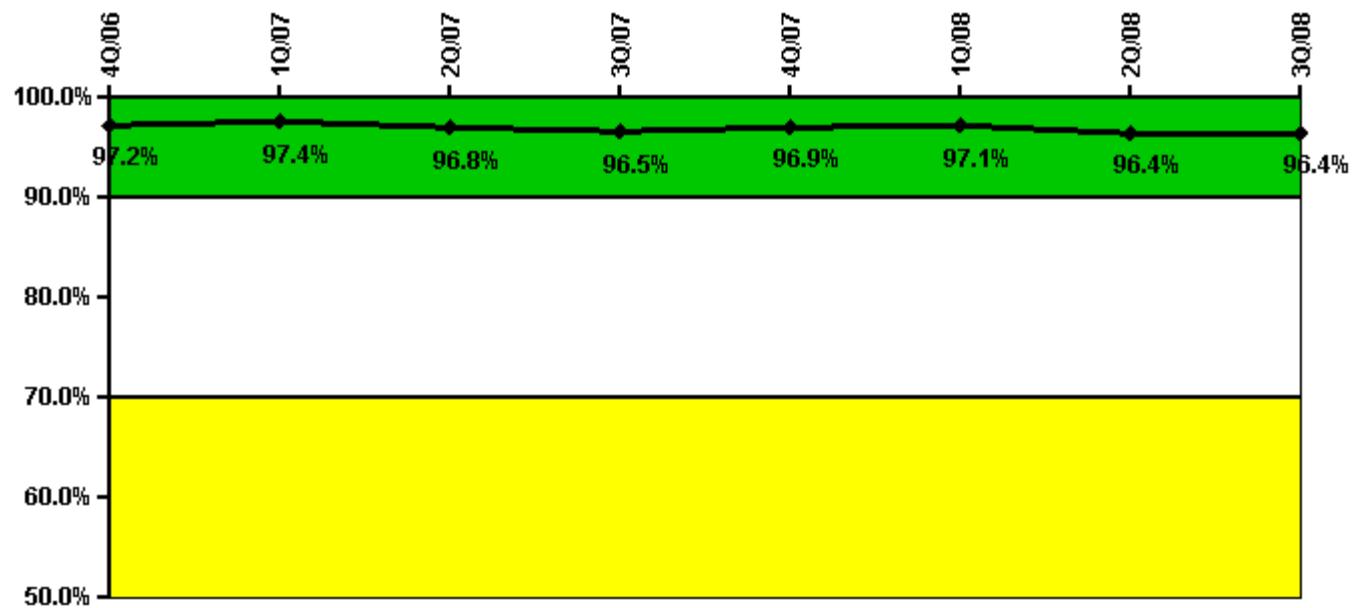
Thresholds: White > 50.0 Yellow > 100.0

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	0.020	0.010	0.030	0.060	0.100	0.110	0.080	0.070	0.100	0.100	0.070	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.1	0.3	0.6	1.0	1.1	0.8	0.7	1.0	1.0	0.7	0.8
Reactor Coolant System Leakage	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum leakage	0.050	0.030	0.120	0.130	0.030	0.040	0.080	N/A	0.230	0.150	0.190	0.140
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.3	1.2	1.3	0.3	0.4	0.8	N/A	2.3	1.5	1.9	1.4

Licensee Comments: none

Drill/Exercise Performance



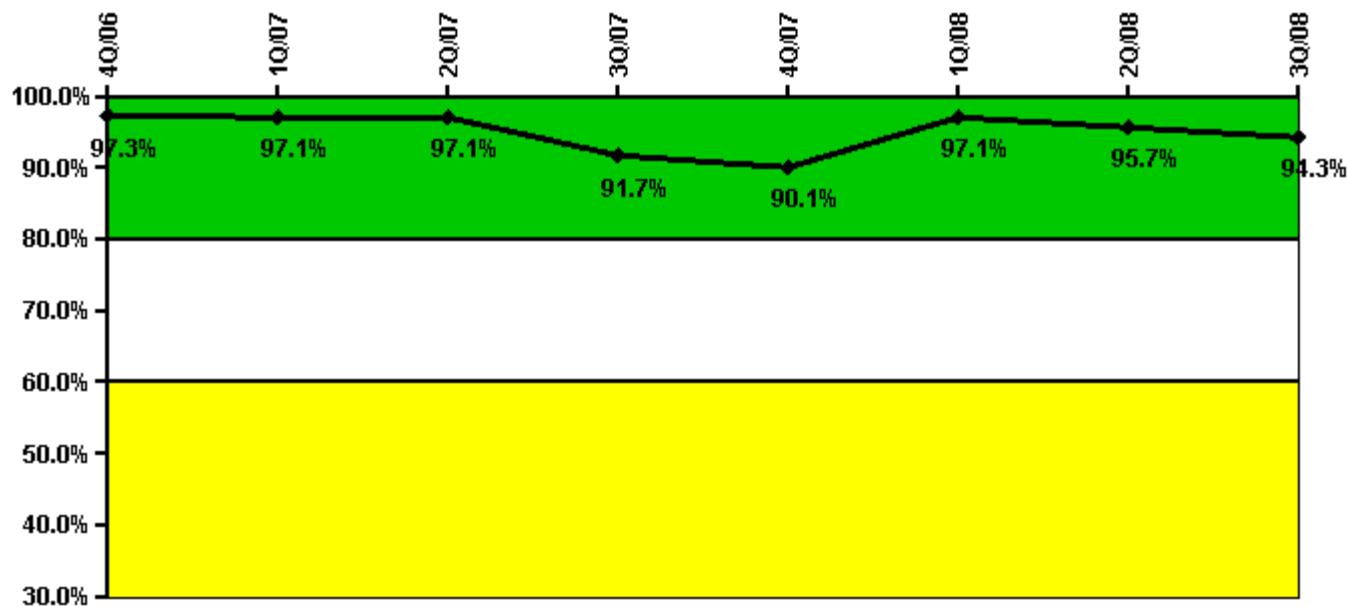
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful opportunities	0	29.0	22.0	36.0	8.0	39.0	0	25.0
Total opportunities	0	30.0	24.0	38.0	8.0	40.0	0	25.0
Indicator value	97.2%	97.4%	96.8%	96.5%	96.9%	97.1%	96.4%	96.4%

Licensee Comments: none

ERO Drill Participation



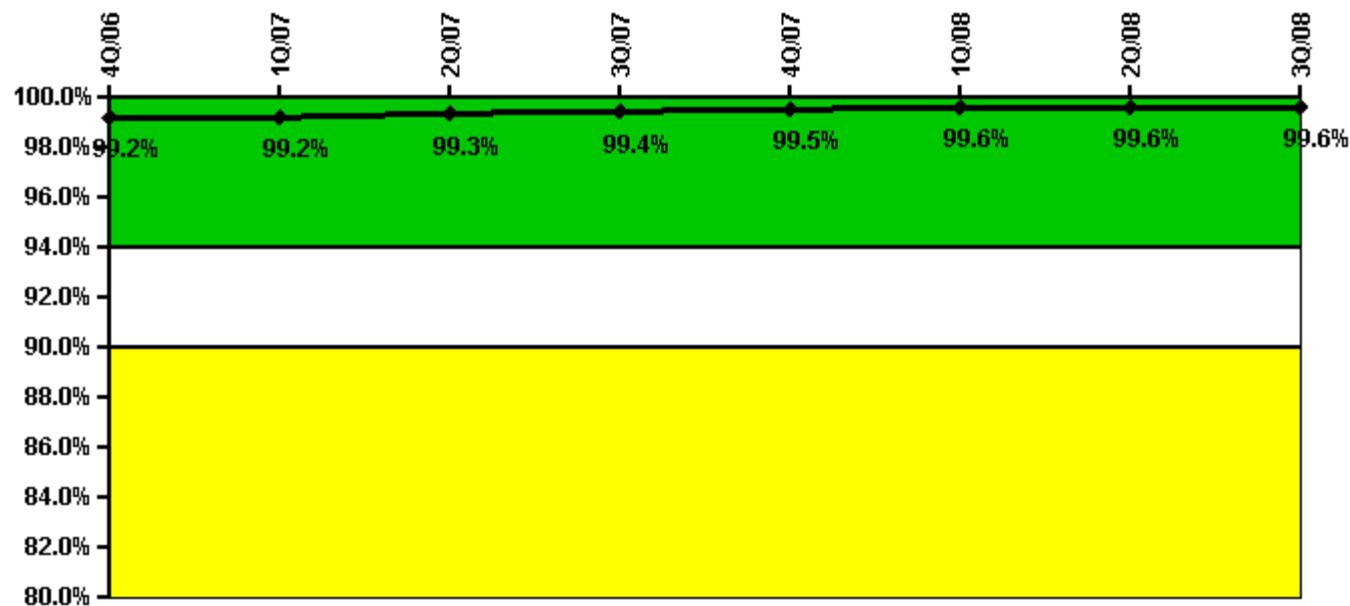
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Participating Key personnel	71.0	66.0	66.0	66.0	64.0	66.0	66.0	66.0
Total Key personnel	73.0	68.0	68.0	72.0	71.0	68.0	69.0	70.0
Indicator value	97.3%	97.1%	97.1%	91.7%	90.1%	97.1%	95.7%	94.3%

Licensee Comments: none

Alert & Notification System



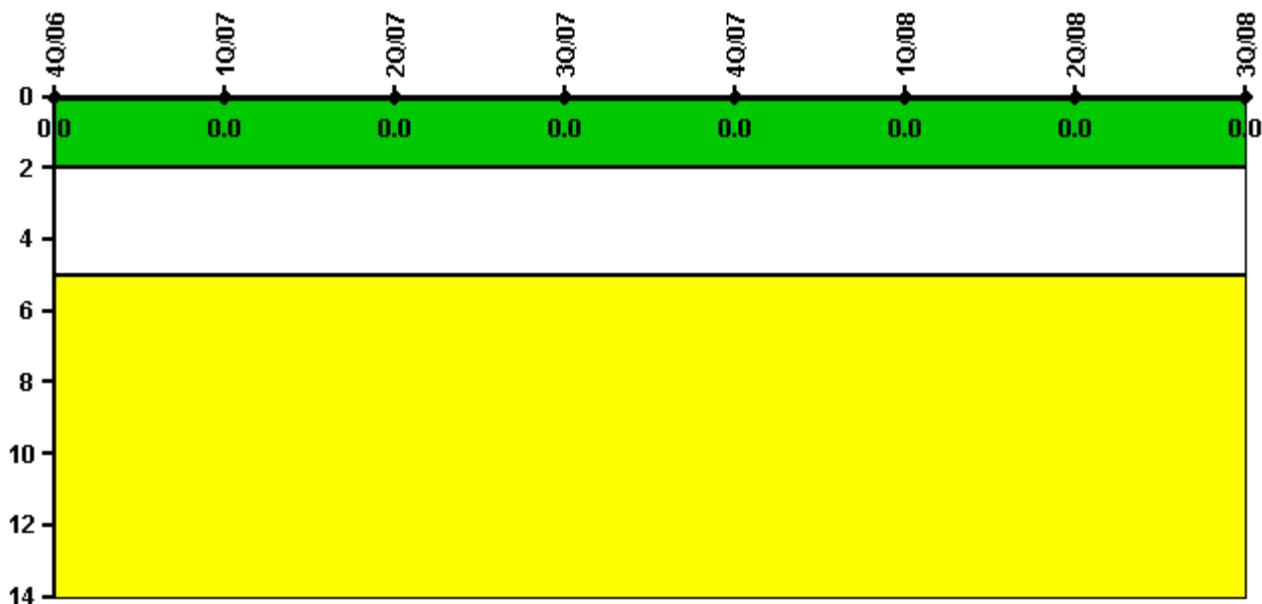
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful siren-tests	840	738	845	738	844	846	738	845
Total sirens-tests	848	742	848	742	848	848	742	848
Indicator value	99.2%	99.2%	99.3%	99.4%	99.5%	99.6%	99.6%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



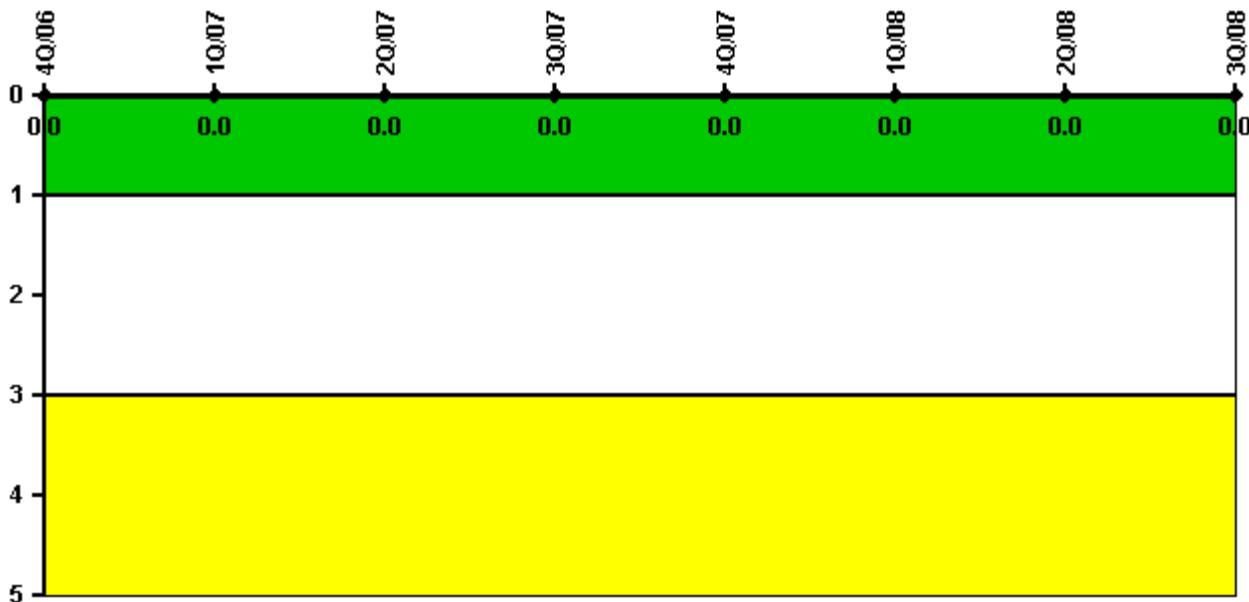
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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.



[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

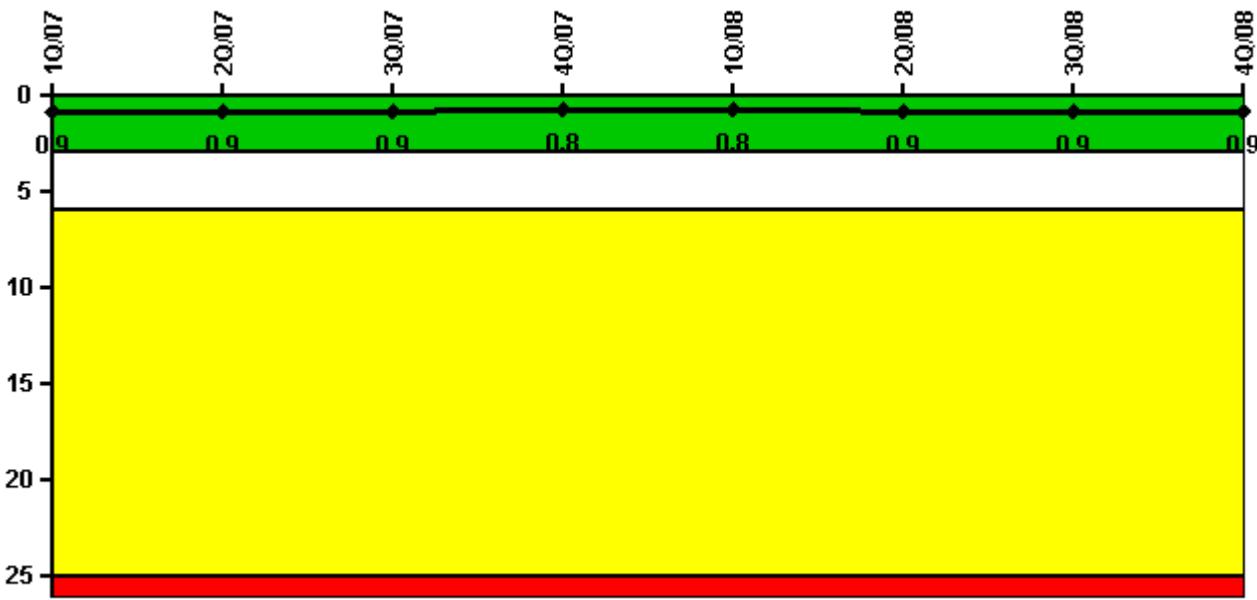
Last Modified: November 26, 2008

Summer

4Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



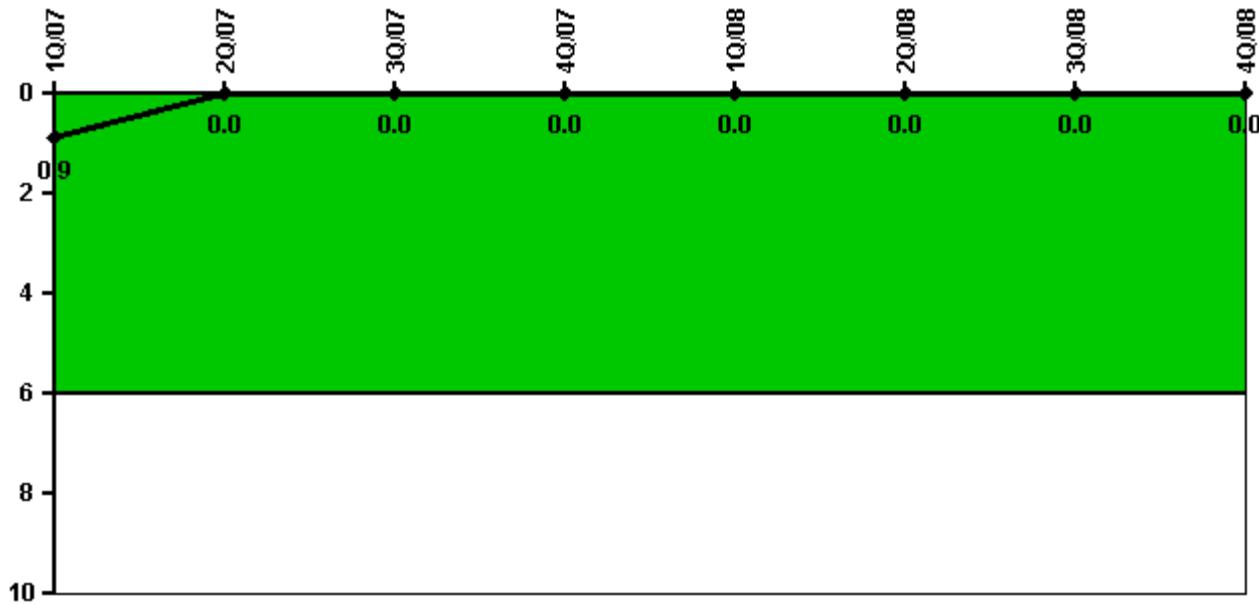
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned scrams	1.0	0	0	0	1.0	0	0	0
Critical hours	2126.5	2184.0	2208.0	2209.0	2002.8	1031.8	2208.0	2209.0
Indicator value	0.9	0.9	0.9	0.8	0.8	0.9	0.9	0.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



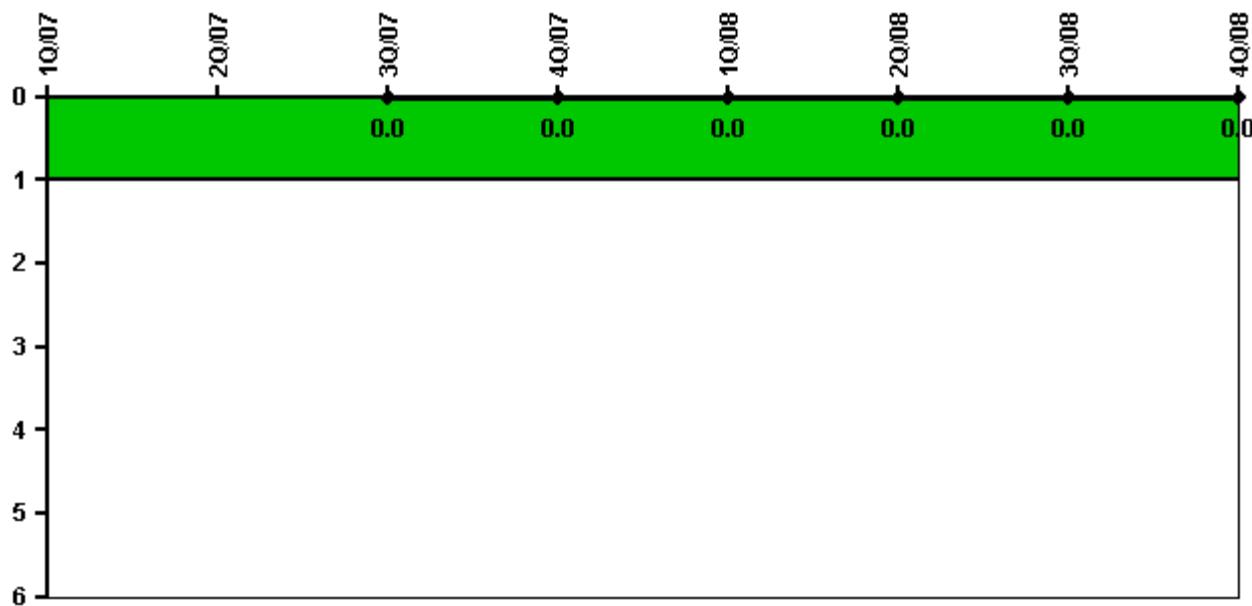
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2126.5	2184.0	2208.0	2209.0	2002.8	1031.8	2208.0	2209.0
Indicator value	0.9	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



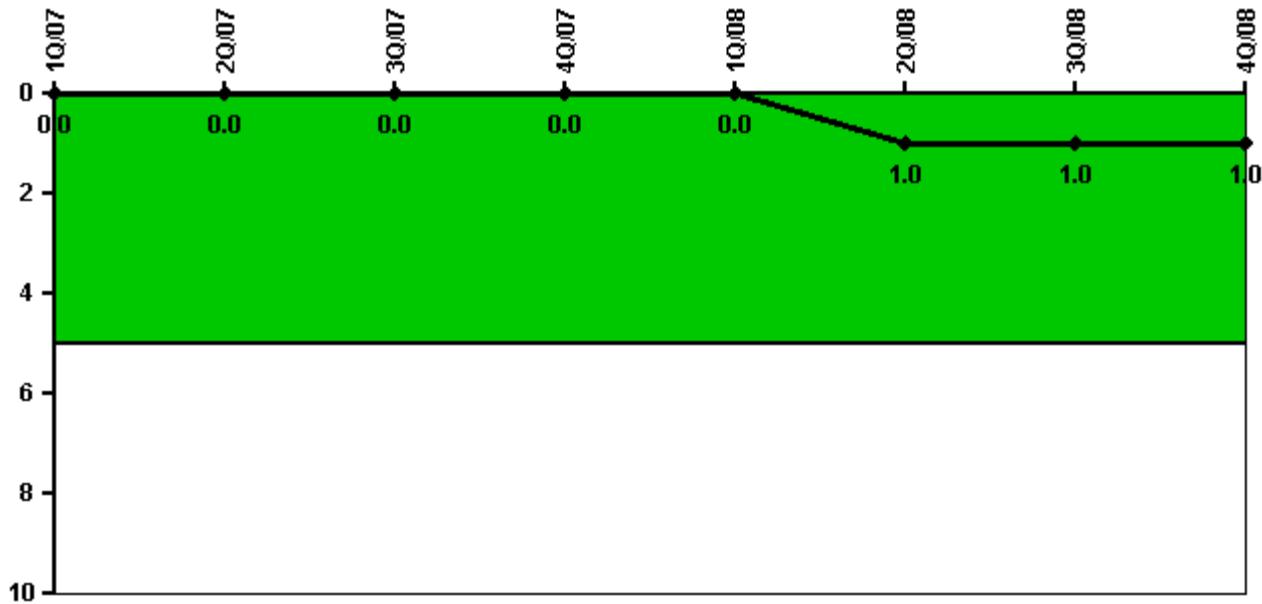
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



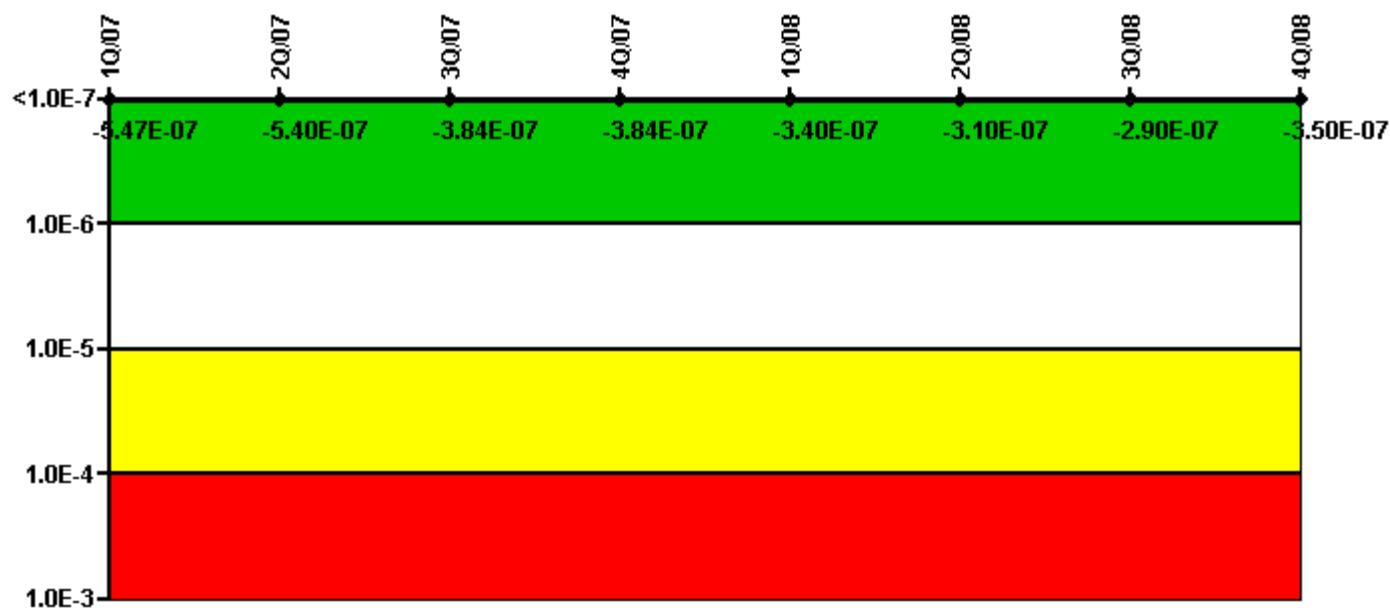
Thresholds: White > 5.0

Notes

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



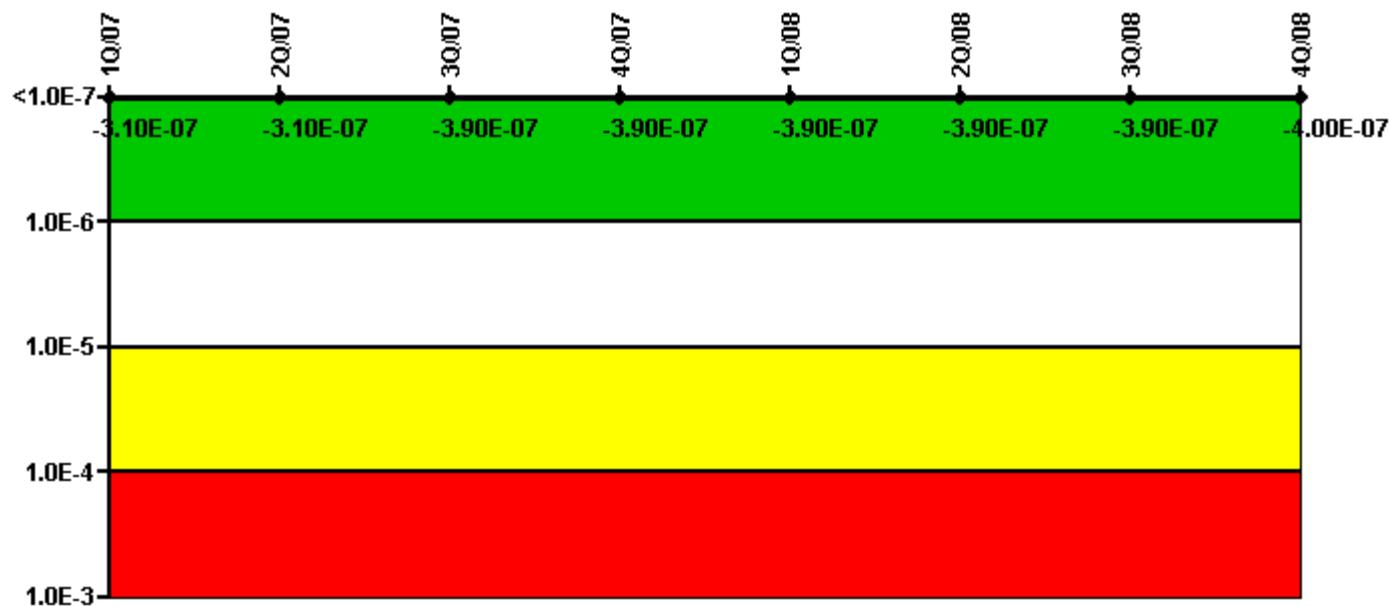
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	8.30E-08	8.00E-08	8.60E-08	8.60E-08	1.30E-07	1.50E-07	1.70E-07	1.10E-07
URI (ΔCDF)	-6.30E-07	-6.20E-07	-4.70E-07	-4.70E-07	-4.70E-07	-4.60E-07	-4.60E-07	-4.60E-07
PLE	NO							
Indicator value	-5.47E-07	-5.40E-07	-3.84E-07	-3.84E-07	-3.40E-07	-3.10E-07	-2.90E-07	-3.50E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



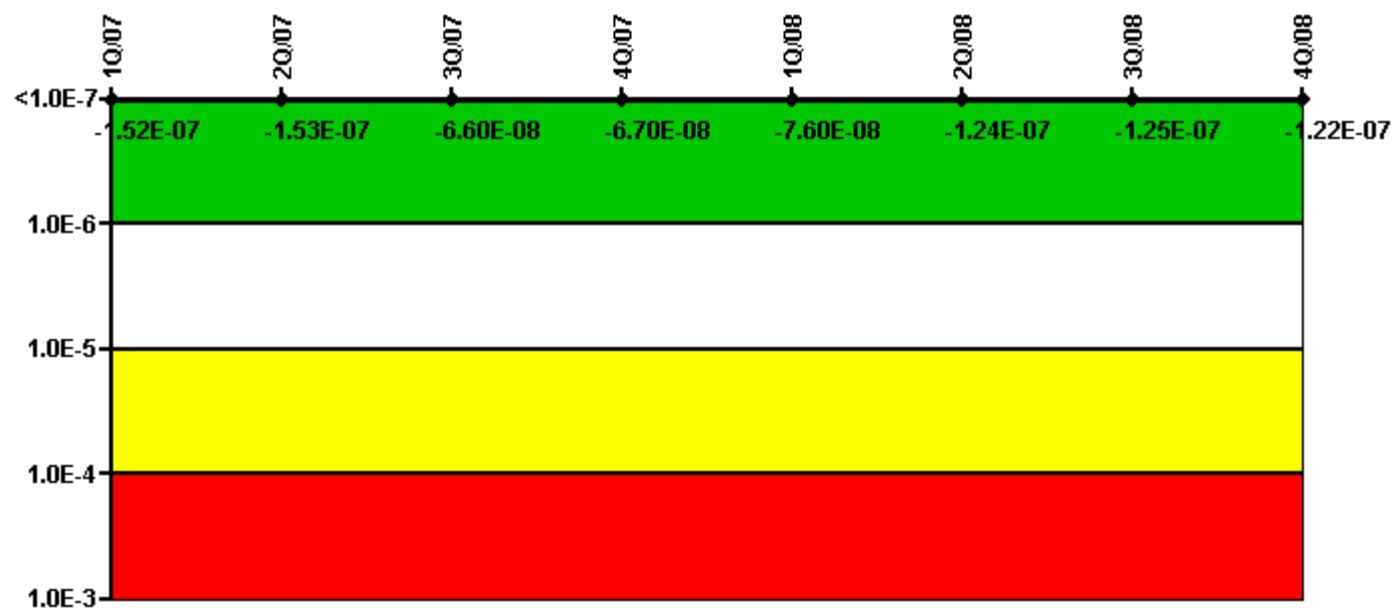
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (Δ CDF)	-2.00E-07	-2.00E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07
URI (Δ CDF)	-1.10E-07	-1.10E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.50E-07
PLE	NO							
Indicator value	-3.10E-07	-3.10E-07	-3.90E-07	-3.90E-07	-3.90E-07	-3.90E-07	-3.90E-07	-4.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



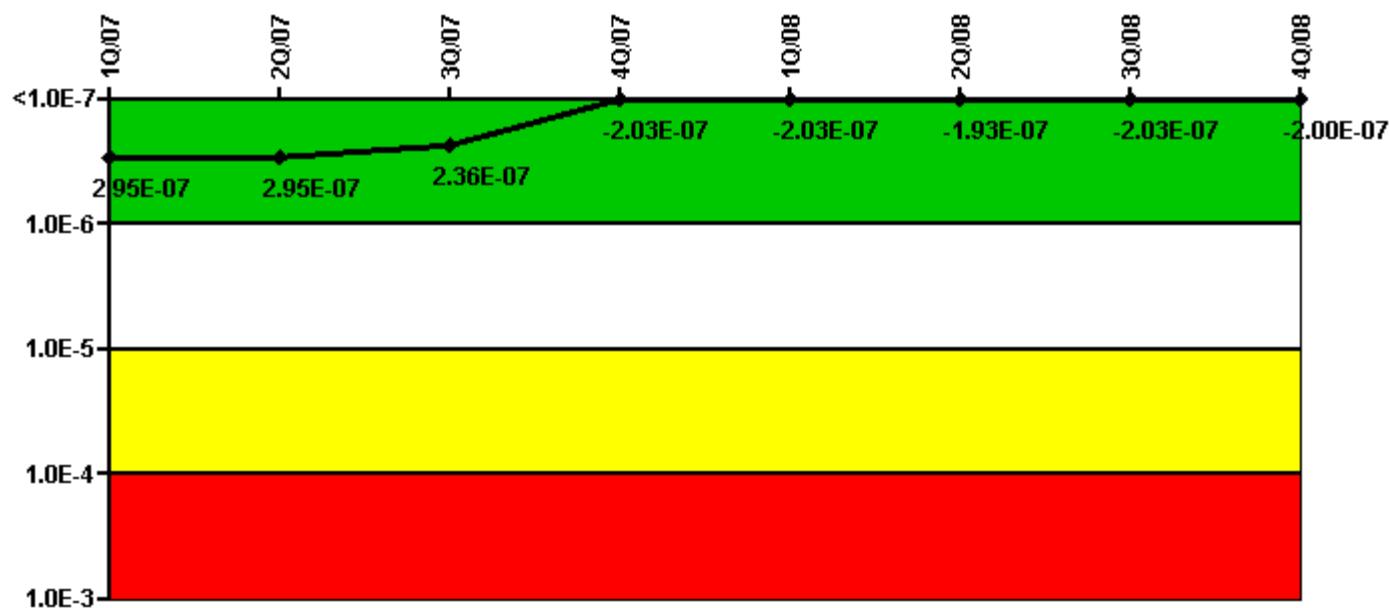
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	5.80E-08	5.70E-08	3.40E-08	3.30E-08	3.40E-08	-2.40E-08	-2.50E-08	-2.20E-08
URI (ΔCDF)	-2.10E-07	-2.10E-07	-1.00E-07	-1.00E-07	-1.10E-07	-1.00E-07	-1.00E-07	-1.00E-07
PLE	NO							
Indicator value	-1.52E-07	-1.53E-07	-6.60E-08	-6.70E-08	-7.60E-08	-1.24E-07	-1.25E-07	-1.22E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



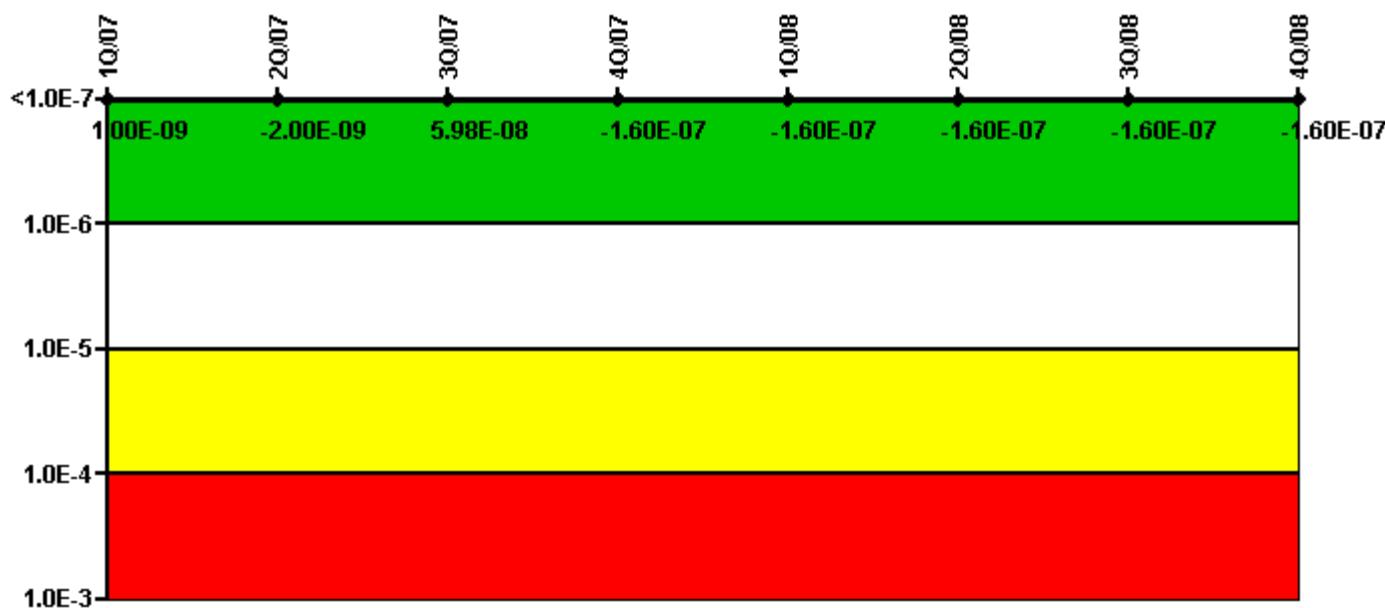
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (Δ CDF)	-1.50E-08	-1.50E-08	-1.40E-08	-2.30E-08	-2.30E-08	-2.30E-08	-2.30E-08	-2.00E-08
URI (Δ CDF)	3.10E-07	3.10E-07	2.50E-07	-1.80E-07	-1.80E-07	-1.70E-07	-1.80E-07	-1.80E-07
PLE	NO							
Indicator value	2.95E-07	2.95E-07	2.36E-07	-2.03E-07	-2.03E-07	-1.93E-07	-2.03E-07	-2.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



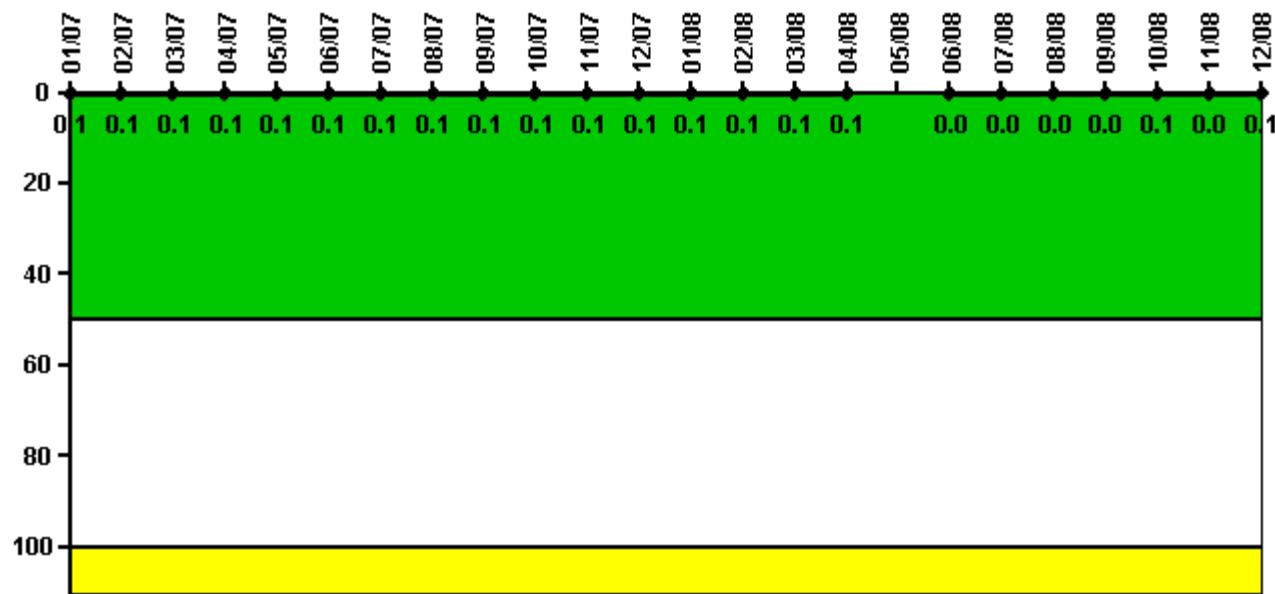
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (Δ CDF)	3.90E-08	3.80E-08	9.80E-09	9.80E-09	1.00E-08	1.00E-08	1.00E-08	1.00E-08
URI (Δ CDF)	-3.80E-08	-4.00E-08	5.00E-08	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.00E-09	-2.00E-09	5.98E-08	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07

Licensee Comments: none

Reactor Coolant System Activity



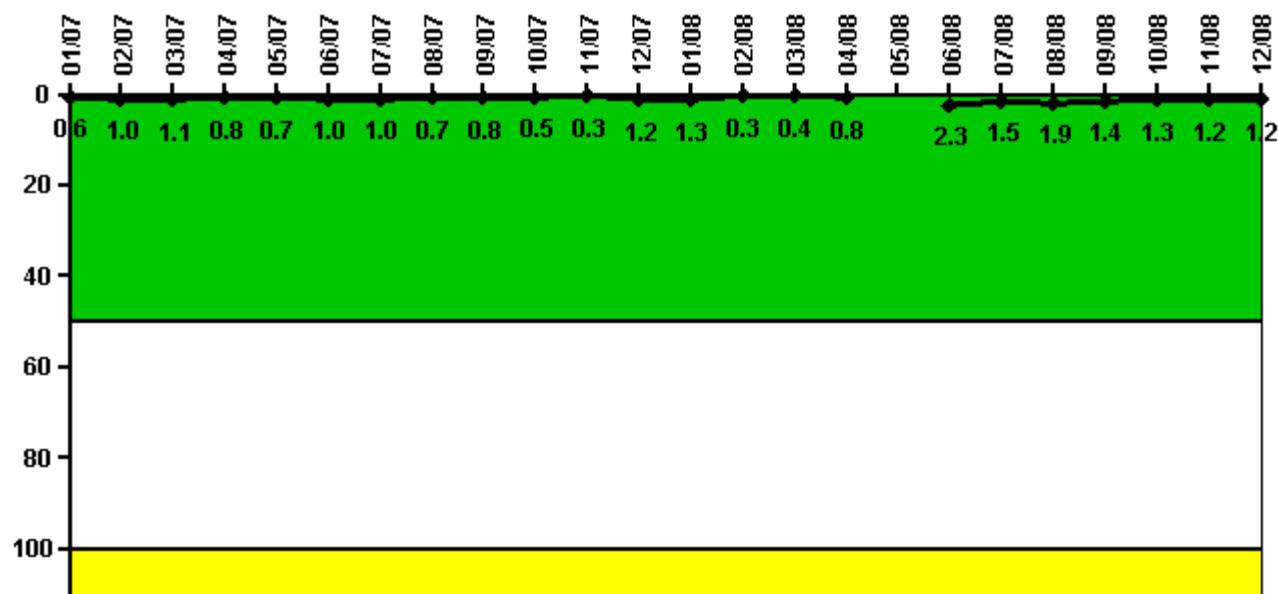
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum activity	0.0000820	0.0000828	0.0000862	0.0000893	0.0000907	0.0000938	0.0000973	0.0010111	0.0010333	0.0010622	0.0010977	0.0011255
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System 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	0.001146	0.001155	0.001195	0.001238	N/A	0.000446	0.000466	0.000476	0.000485	0.000530	0.000493	0.000514
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	N/A	0	0	0	0	0.1	0	0.1

Licensee Comments: none

Reactor Coolant System Leakage



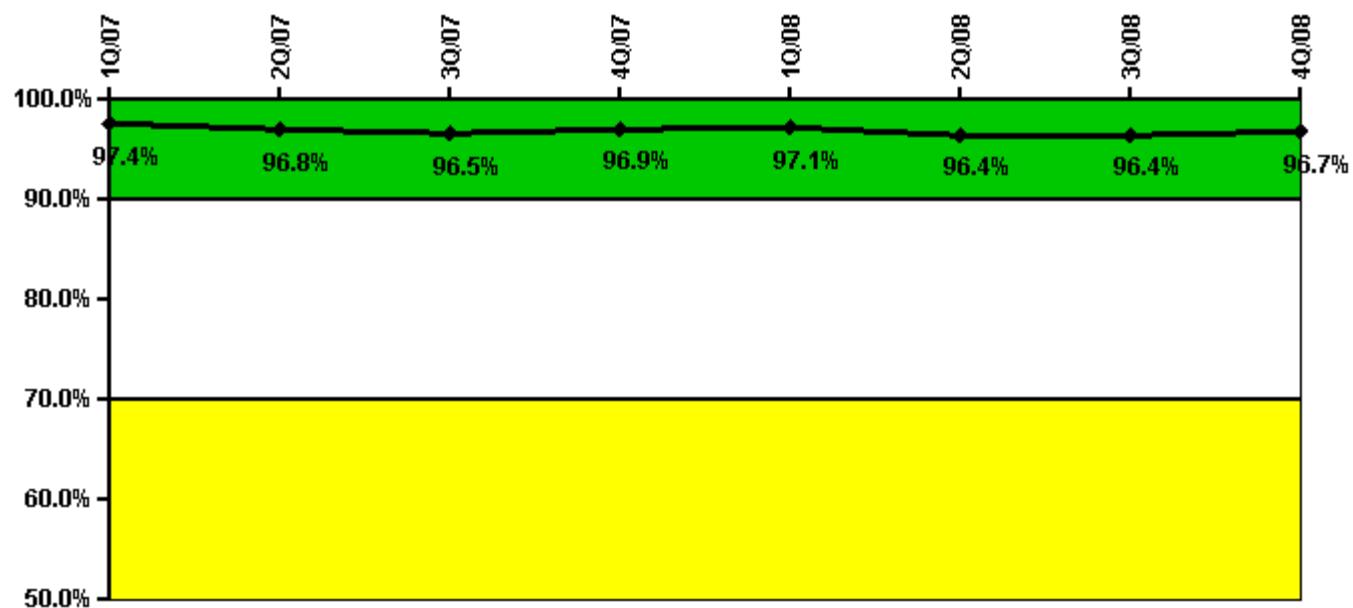
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum leakage	0.060	0.100	0.110	0.080	0.070	0.100	0.100	0.070	0.080	0.050	0.030	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.6	1.0	1.1	0.8	0.7	1.0	1.0	0.7	0.8	0.5	0.3	1.2
Reactor Coolant System Leakage	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum leakage	0.130	0.030	0.040	0.080	N/A	0.230	0.150	0.190	0.140	0.130	0.120	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.3	0.3	0.4	0.8	N/A	2.3	1.5	1.9	1.4	1.3	1.2	1.2

Licensee Comments: none

Drill/Exercise Performance



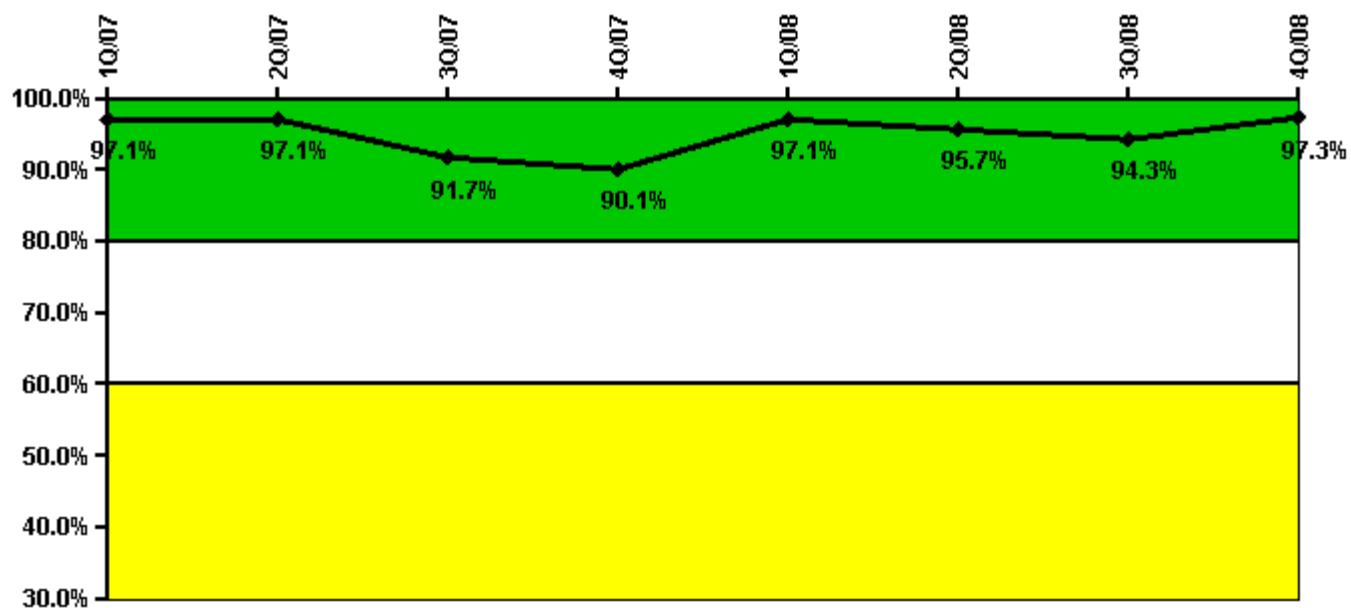
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful opportunities	29.0	22.0	36.0	8.0	39.0	0	25.0	16.0
Total opportunities	30.0	24.0	38.0	8.0	40.0	0	25.0	16.0
Indicator value	97.4%	96.8%	96.5%	96.9%	97.1%	96.4%	96.4%	96.7%

Licensee Comments: none

ERO Drill Participation



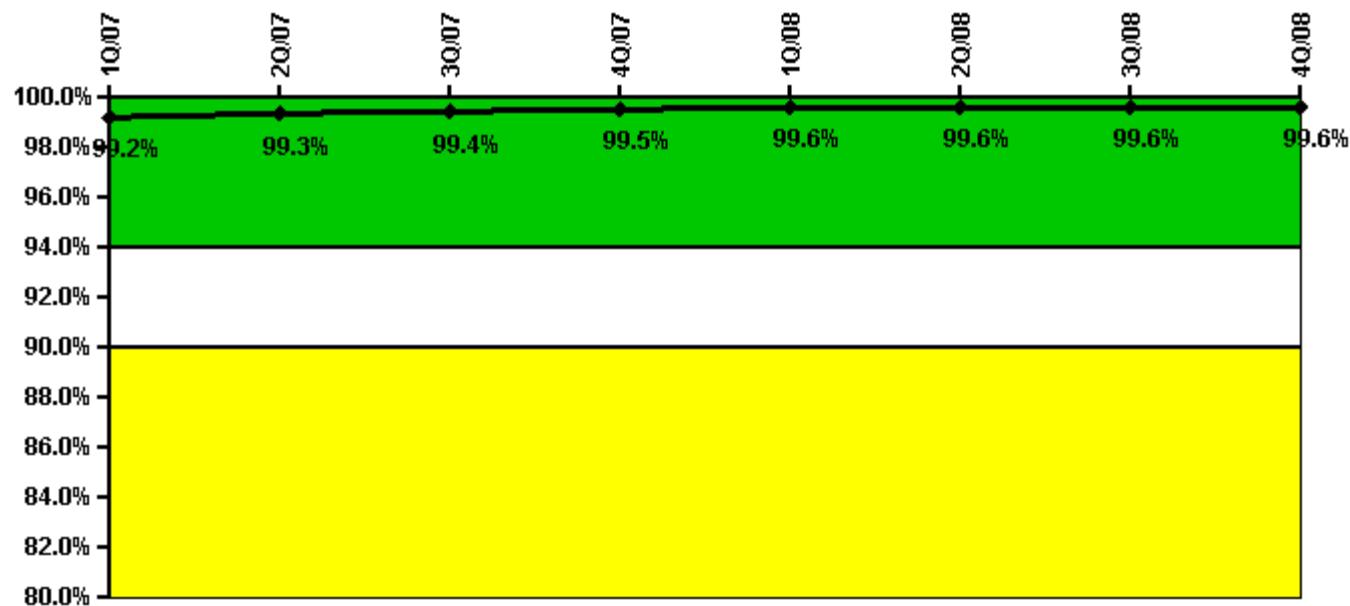
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Participating Key personnel	66.0	66.0	66.0	64.0	66.0	66.0	66.0	71.0
Total Key personnel	68.0	68.0	72.0	71.0	68.0	69.0	70.0	73.0
Indicator value	97.1%	97.1%	91.7%	90.1%	97.1%	95.7%	94.3%	97.3%

Licensee Comments: none

Alert & Notification System



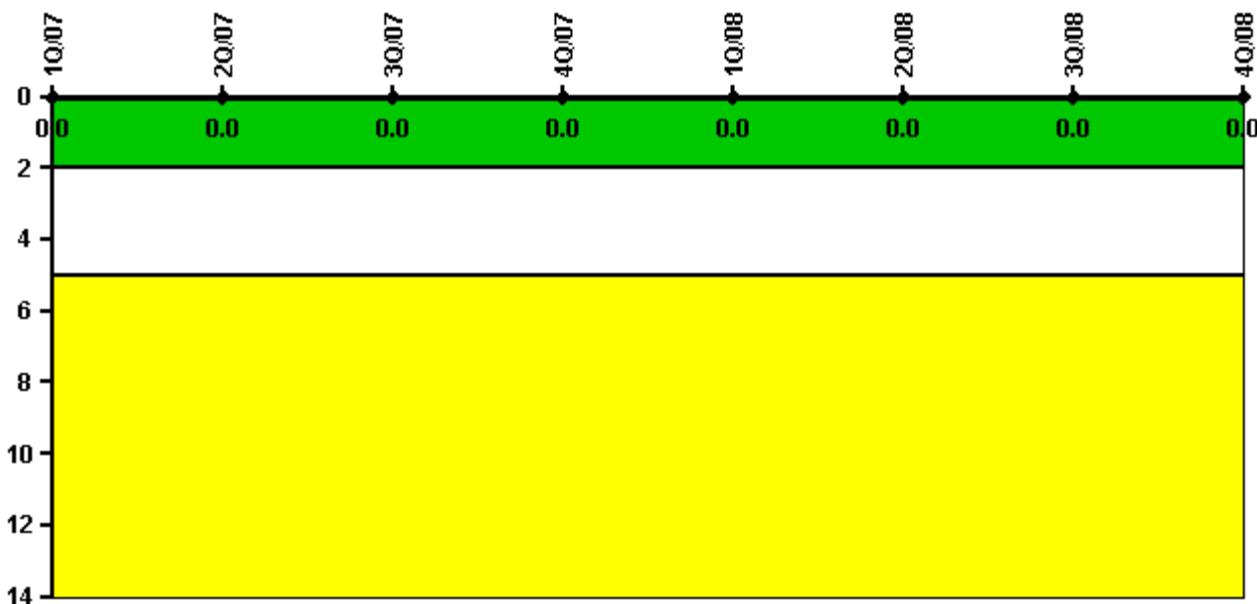
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful siren-tests	738	845	738	844	846	738	845	739
Total sirens-tests	742	848	742	848	848	742	848	742
Indicator value	99.2%	99.3%	99.4%	99.5%	99.6%	99.6%	99.6%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



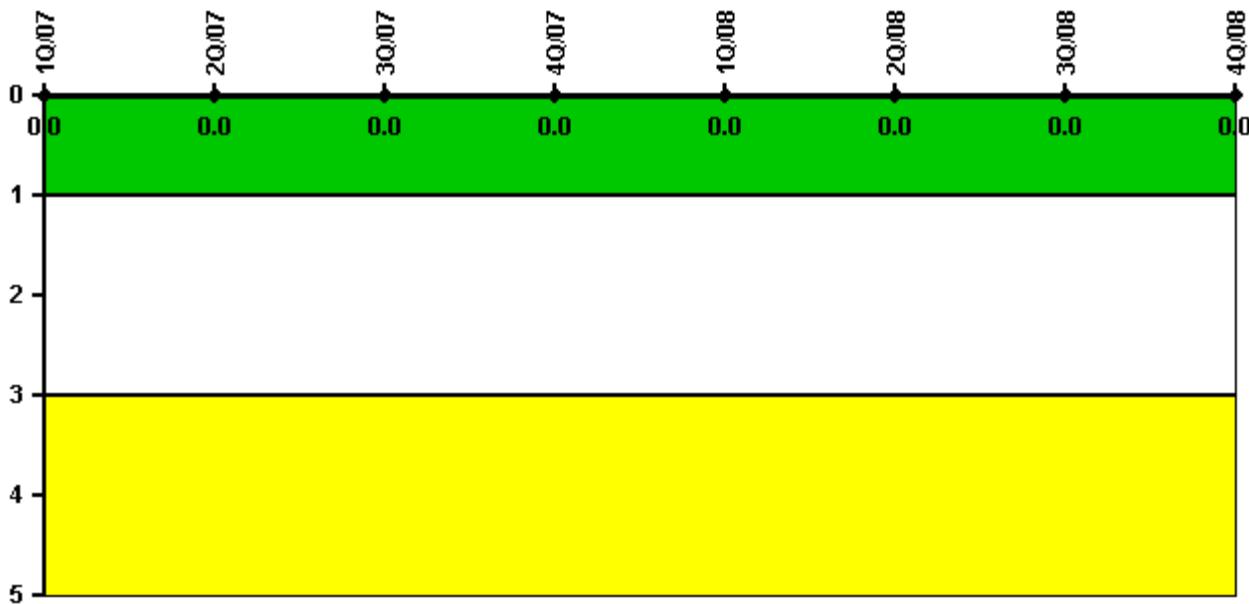
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

[Security](#) information not publicly available.



[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

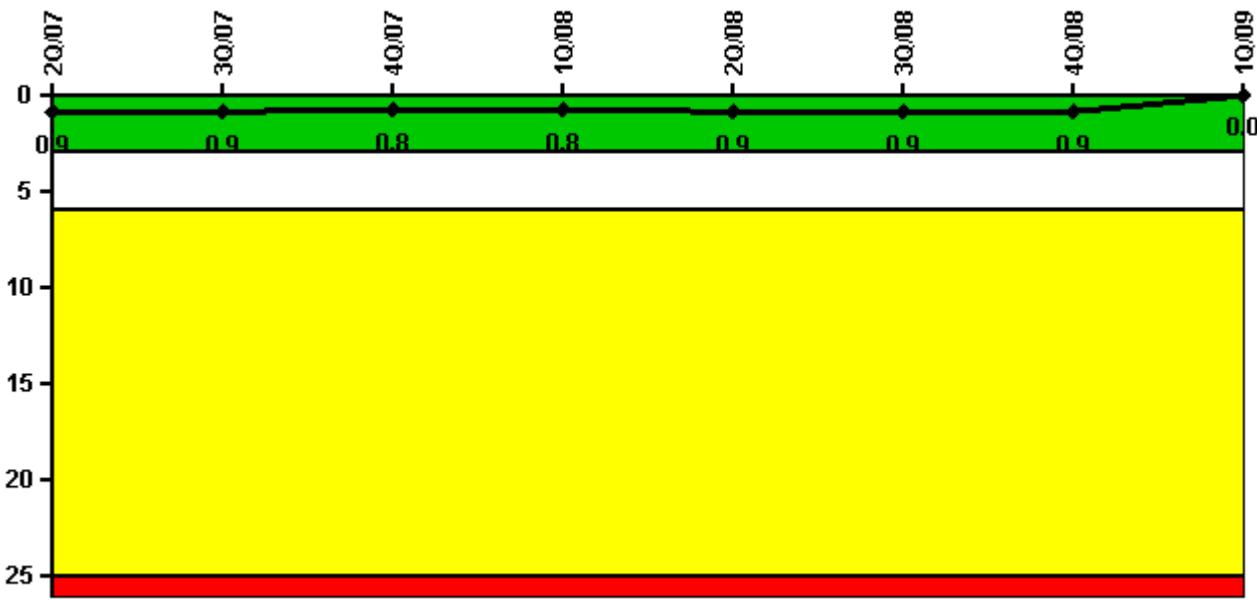
Last Modified: February 4, 2009

Summer

1Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



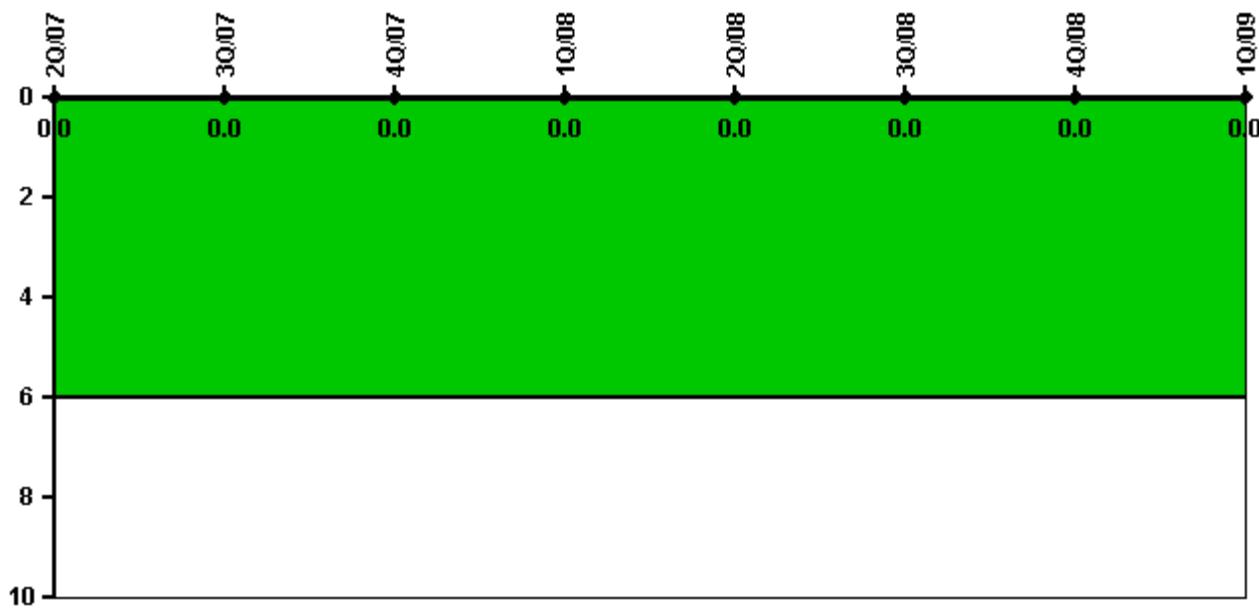
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2002.8	1031.8	2208.0	2209.0	2159.0
Indicator value	0.9	0.9	0.8	0.8	0.9	0.9	0.9	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



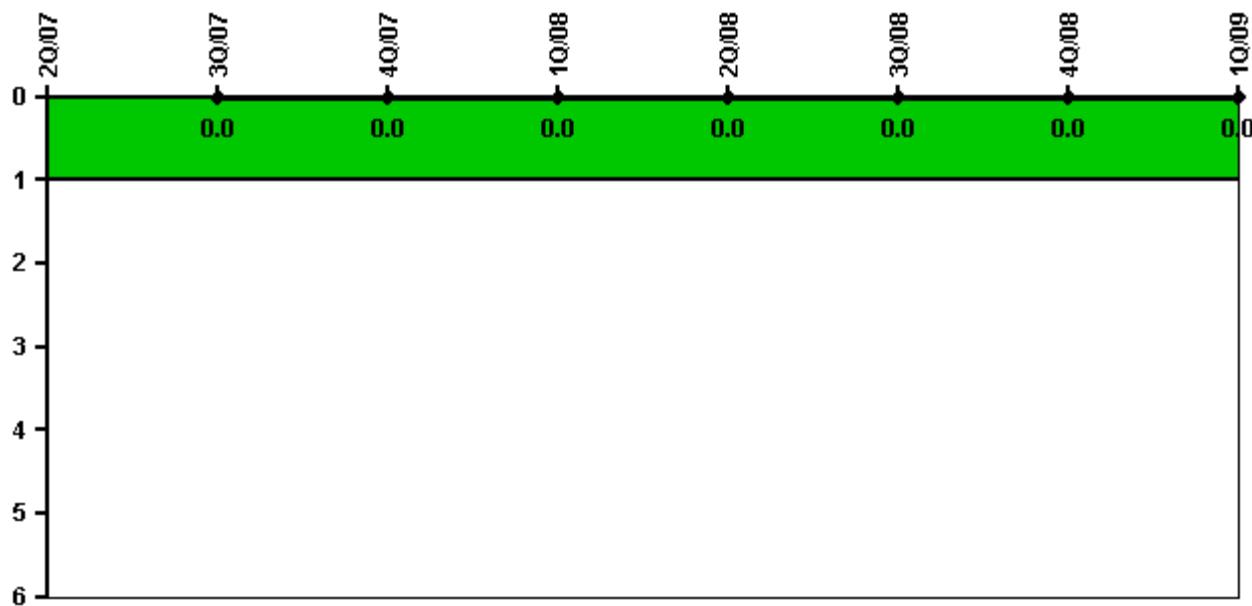
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	2002.8	1031.8	2208.0	2209.0	2159.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



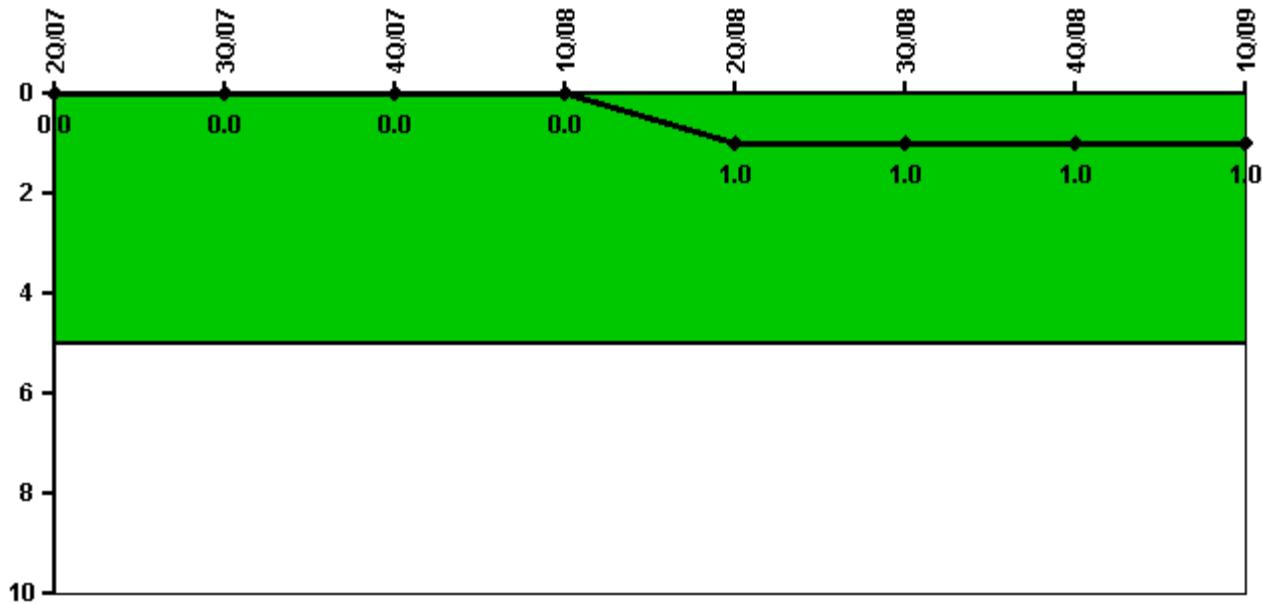
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



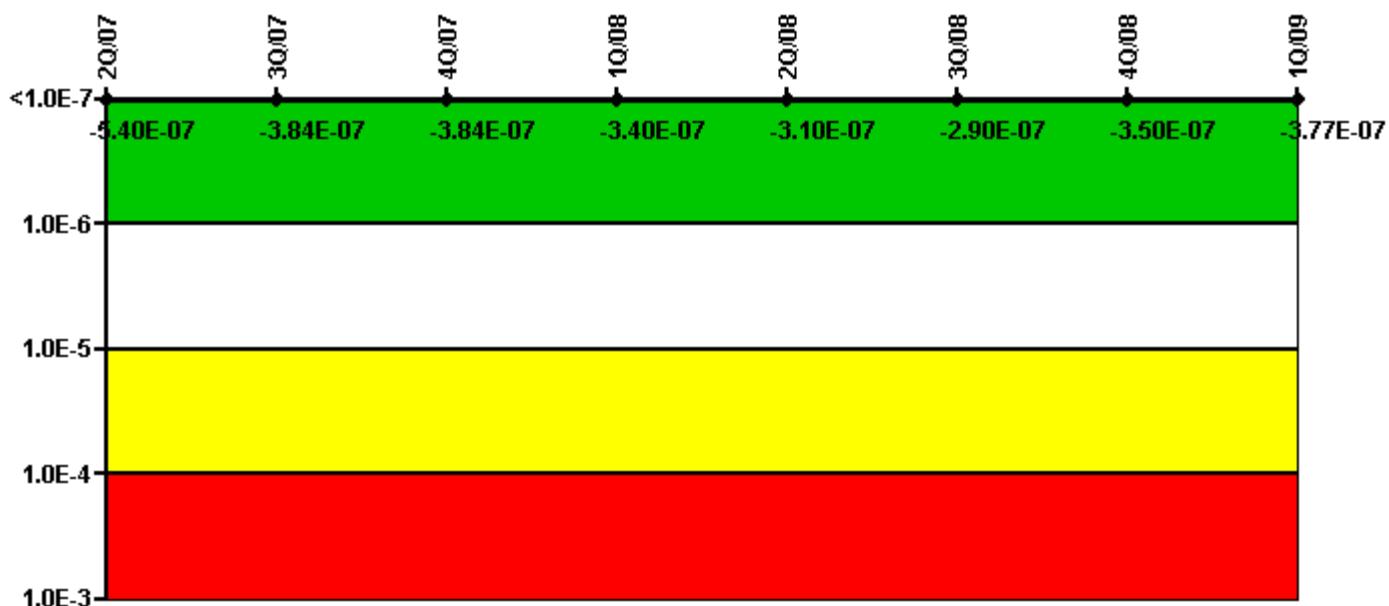
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Safety System Functional Failures	0	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



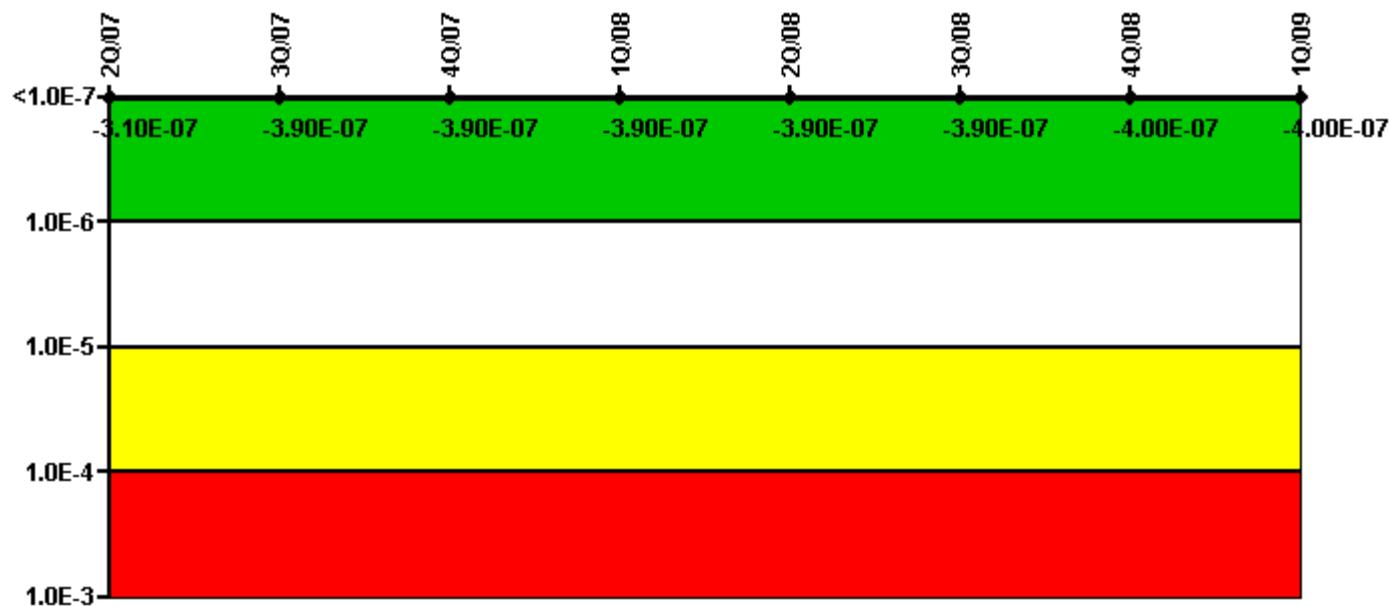
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	8.00E-08	8.60E-08	8.60E-08	1.30E-07	1.50E-07	1.70E-07	1.10E-07	9.30E-08
URI (ΔCDF)	-6.20E-07	-4.70E-07	-4.70E-07	-4.70E-07	-4.60E-07	-4.60E-07	-4.60E-07	-4.70E-07
PLE	NO							
Indicator value	-5.40E-07	-3.84E-07	-3.84E-07	-3.40E-07	-3.10E-07	-2.90E-07	-3.50E-07	-3.77E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



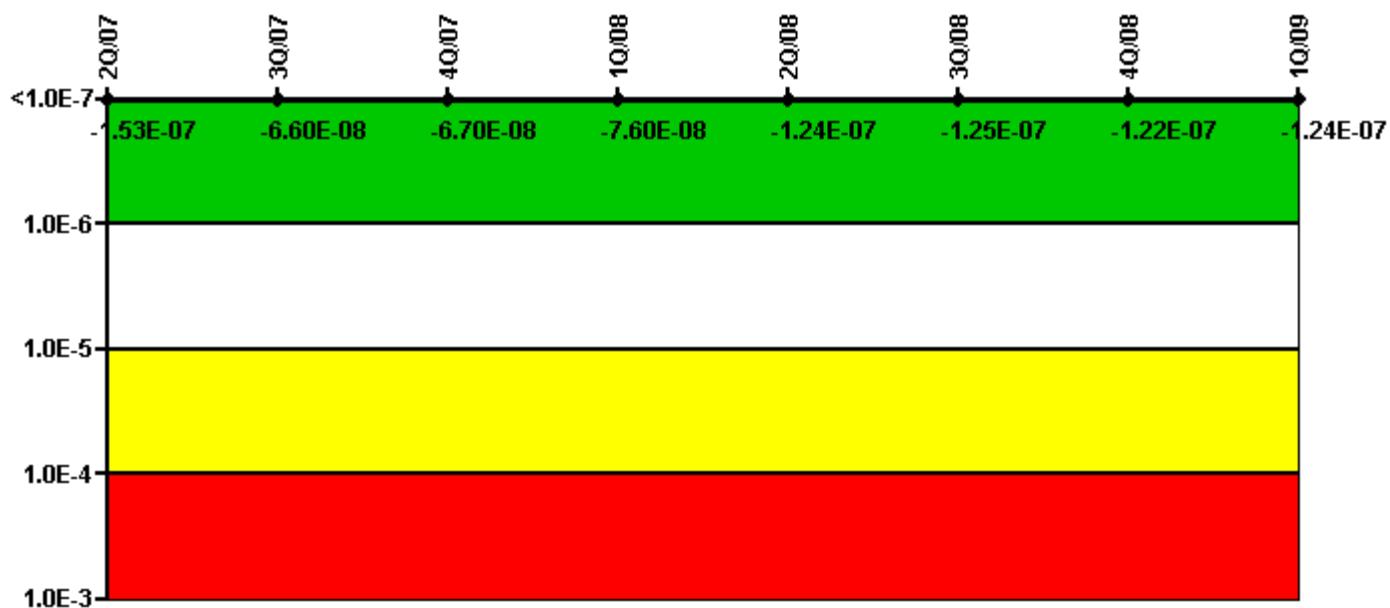
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (Δ CDF)	-2.00E-07	-1.50E-07						
URI (Δ CDF)	-1.10E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.50E-07	-2.50E-07
PLE	NO							
Indicator value	-3.10E-07	-3.90E-07	-3.90E-07	-3.90E-07	-3.90E-07	-3.90E-07	-4.00E-07	-4.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



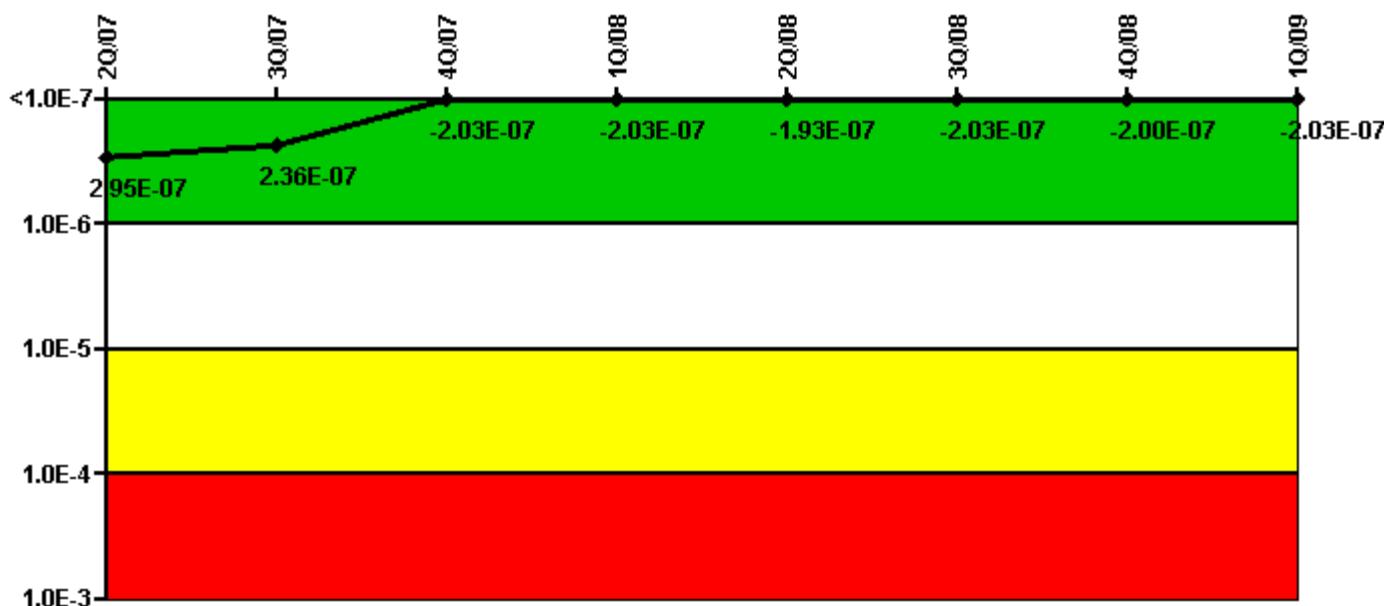
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	5.70E-08	3.40E-08	3.30E-08	3.40E-08	-2.40E-08	-2.50E-08	-2.20E-08	-2.40E-08
URI (ΔCDF)	-2.10E-07	-1.00E-07	-1.00E-07	-1.10E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07
PLE	NO							
Indicator value	-1.53E-07	-6.60E-08	-6.70E-08	-7.60E-08	-1.24E-07	-1.25E-07	-1.22E-07	-1.24E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



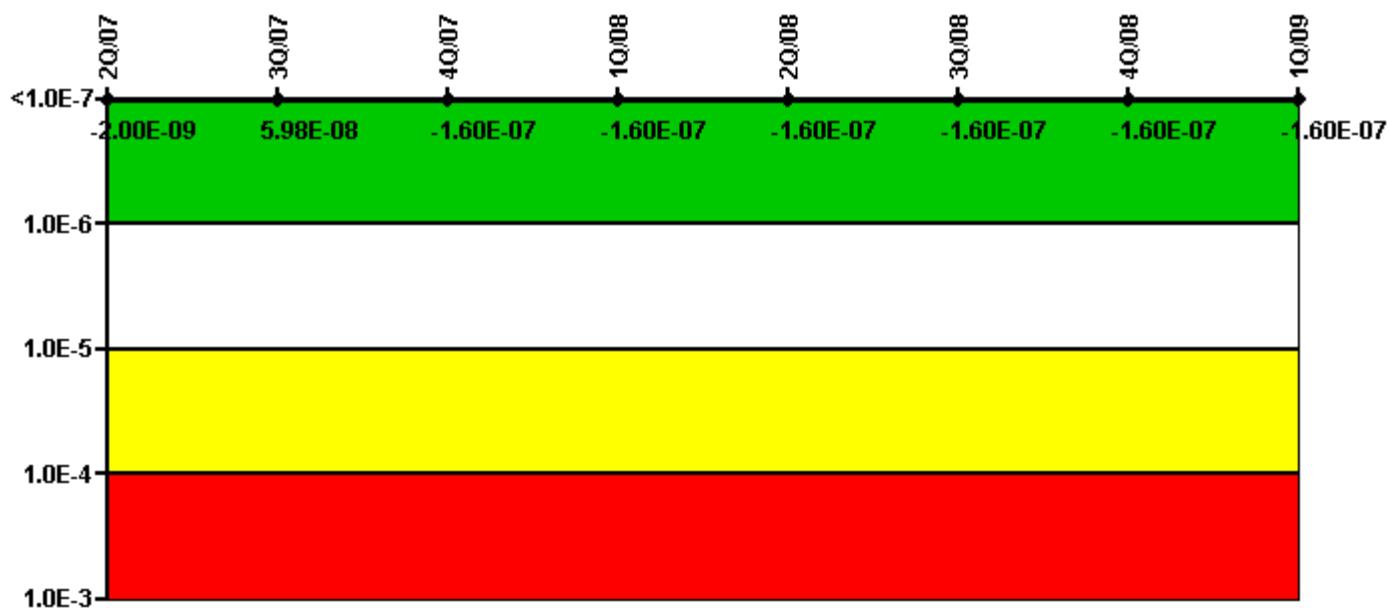
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (Δ CDF)	-1.50E-08	-1.40E-08	-2.30E-08	-2.30E-08	-2.30E-08	-2.30E-08	-2.00E-08	-2.30E-08
URI (Δ CDF)	3.10E-07	2.50E-07	-1.80E-07	-1.80E-07	-1.70E-07	-1.80E-07	-1.80E-07	-1.80E-07
PLE	NO							
Indicator value	2.95E-07	2.36E-07	-2.03E-07	-2.03E-07	-1.93E-07	-2.03E-07	-2.00E-07	-2.03E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



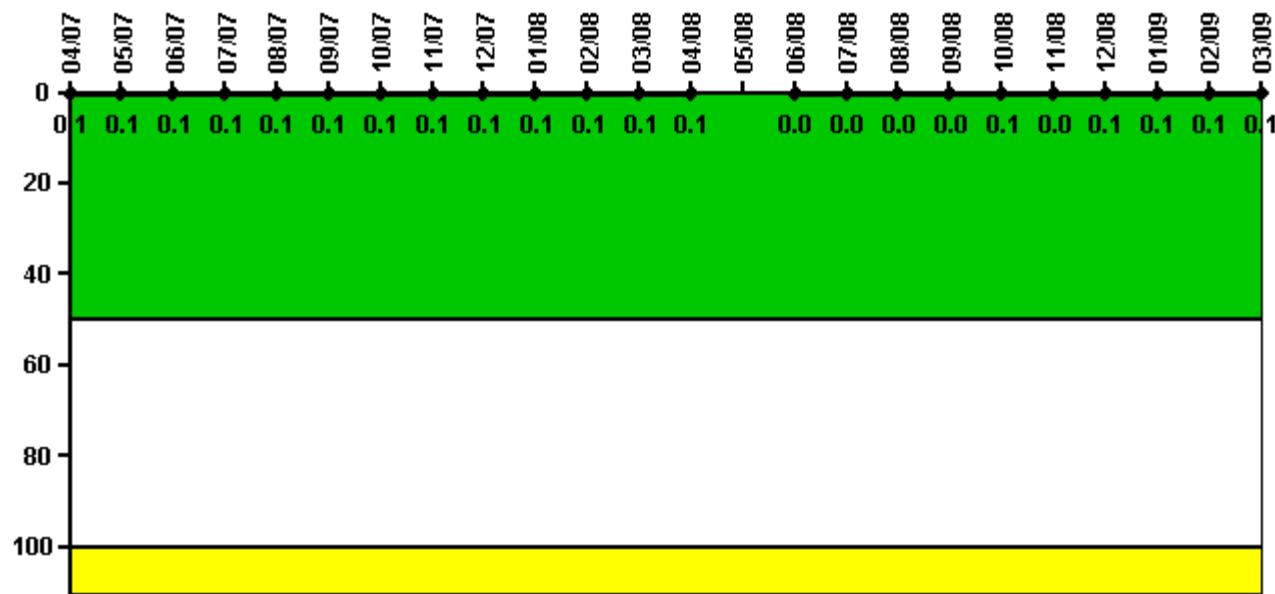
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (Δ CDF)	3.80E-08	9.80E-09	9.80E-09	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08
URI (Δ CDF)	-4.00E-08	5.00E-08	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.00E-09	5.98E-08	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07

Licensee Comments: none

Reactor Coolant System Activity



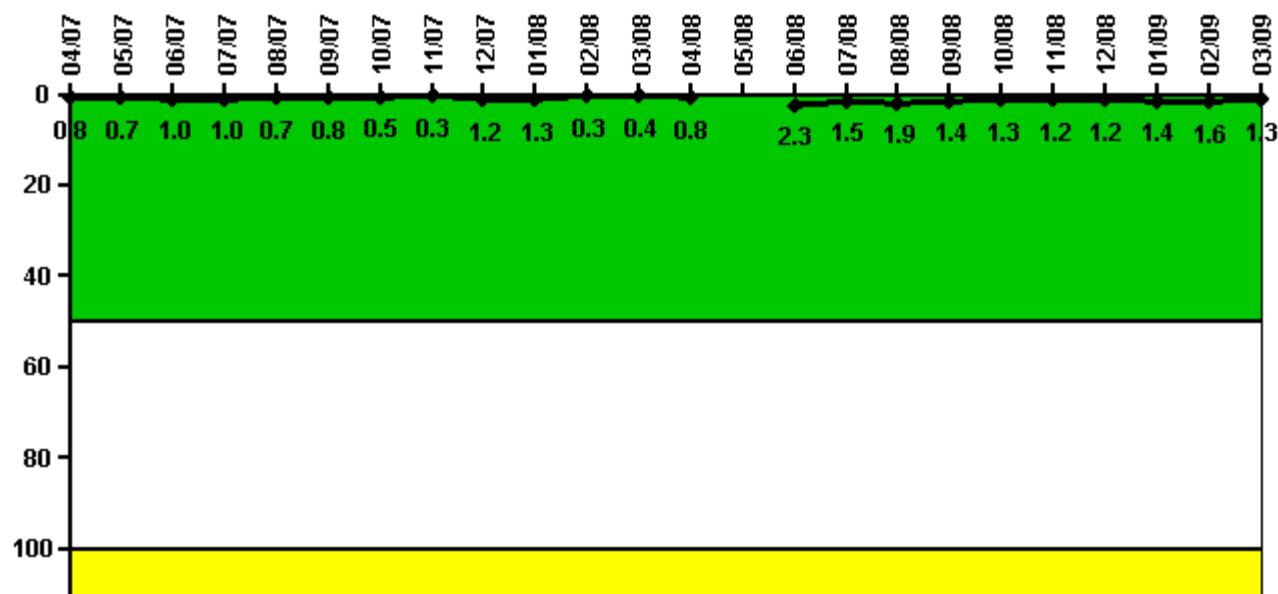
Thresholds: White > 50.0 Yellow > 100.0

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	0.0000893	0.0000907	0.0000938	0.0000973	0.001011	0.001033	0.001062	0.001097	0.001125	0.001146	0.001155	0.001195
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System 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	0.001238	N/A	0.000446	0.000466	0.000476	0.000485	0.000530	0.000493	0.000514	0.000518	0.000519	0.000547
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	N/A	0	0	0	0	0.1	0	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



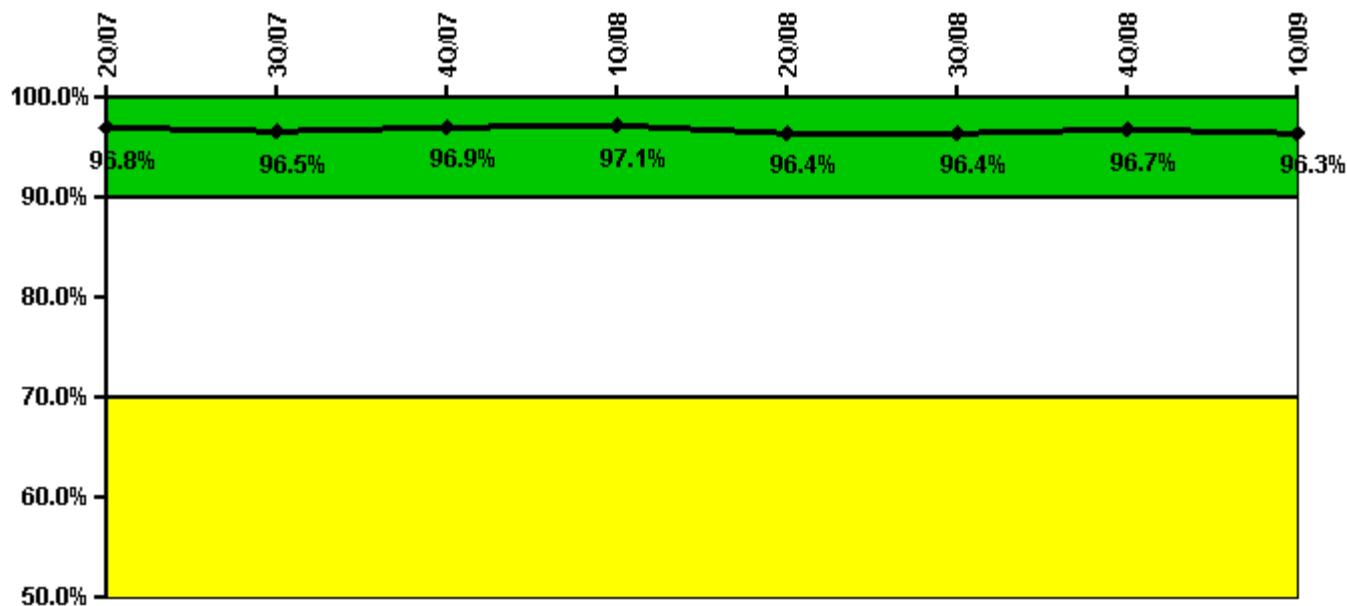
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum leakage	0.080	0.070	0.100	0.100	0.070	0.080	0.050	0.030	0.120	0.130	0.030	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.8	0.7	1.0	1.0	0.7	0.8	0.5	0.3	1.2	1.3	0.3	0.4
Reactor Coolant System Leakage	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum leakage	0.080	N/A	0.230	0.150	0.190	0.140	0.130	0.120	0.120	0.140	0.160	0.130
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.8	N/A	2.3	1.5	1.9	1.4	1.3	1.2	1.2	1.4	1.6	1.3

Licensee Comments: none

Drill/Exercise Performance



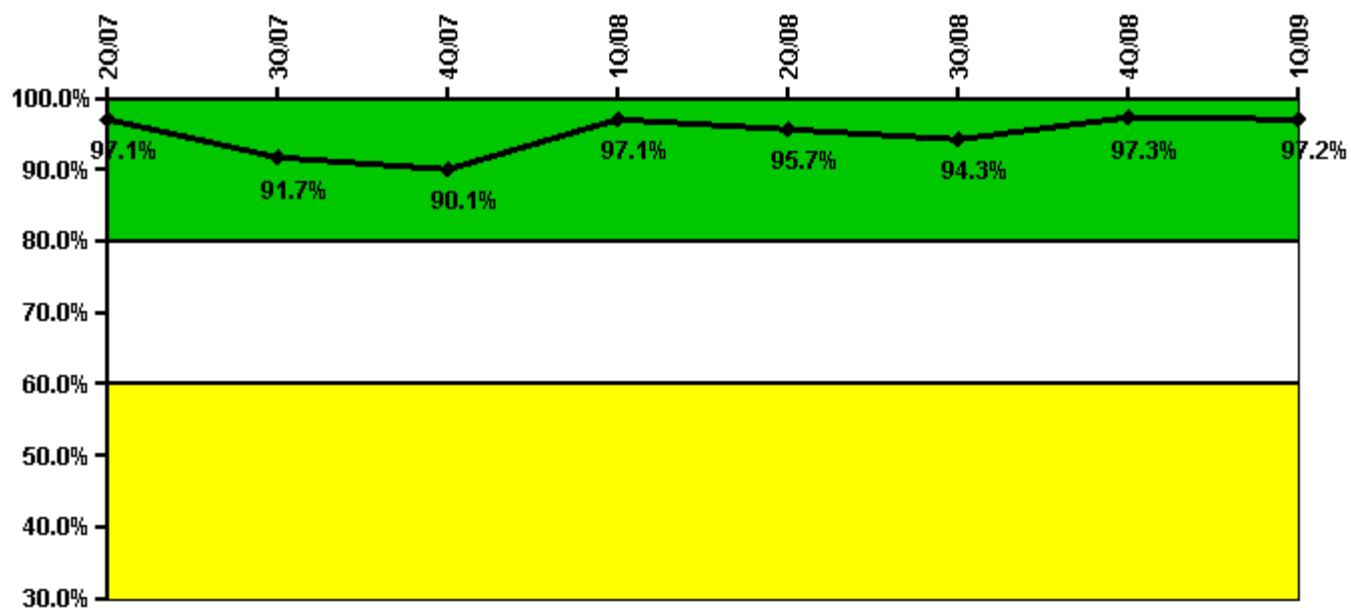
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful opportunities	22.0	36.0	8.0	39.0	0	25.0	16.0	11.0
Total opportunities	24.0	38.0	8.0	40.0	0	25.0	16.0	12.0
Indicator value	96.8%	96.5%	96.9%	97.1%	96.4%	96.4%	96.7%	96.3%

Licensee Comments: none

ERO Drill Participation



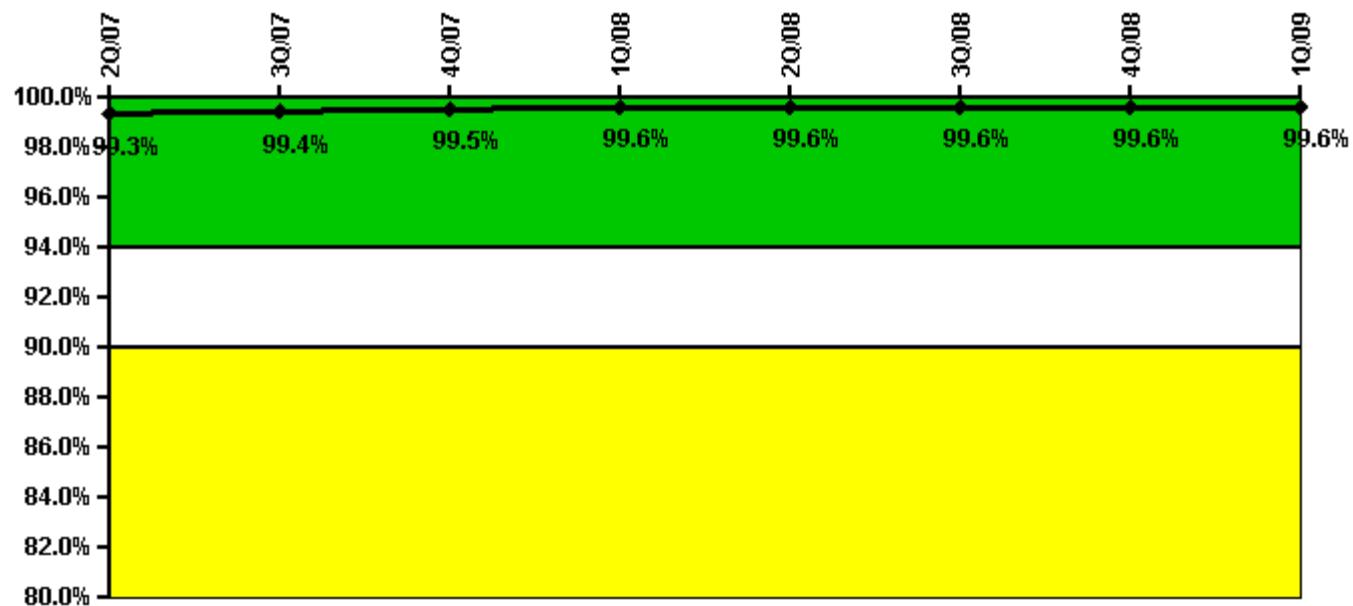
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Participating Key personnel	66.0	66.0	64.0	66.0	66.0	66.0	71.0	70.0
Total Key personnel	68.0	72.0	71.0	68.0	69.0	70.0	73.0	72.0
Indicator value	97.1%	91.7%	90.1%	97.1%	95.7%	94.3%	97.3%	97.2%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful siren-tests	845	738	844	846	738	845	739	845
Total sirens-tests	848	742	848	848	742	848	742	848
Indicator value	99.3%	99.4%	99.5%	99.6%	99.6%	99.6%	99.6%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



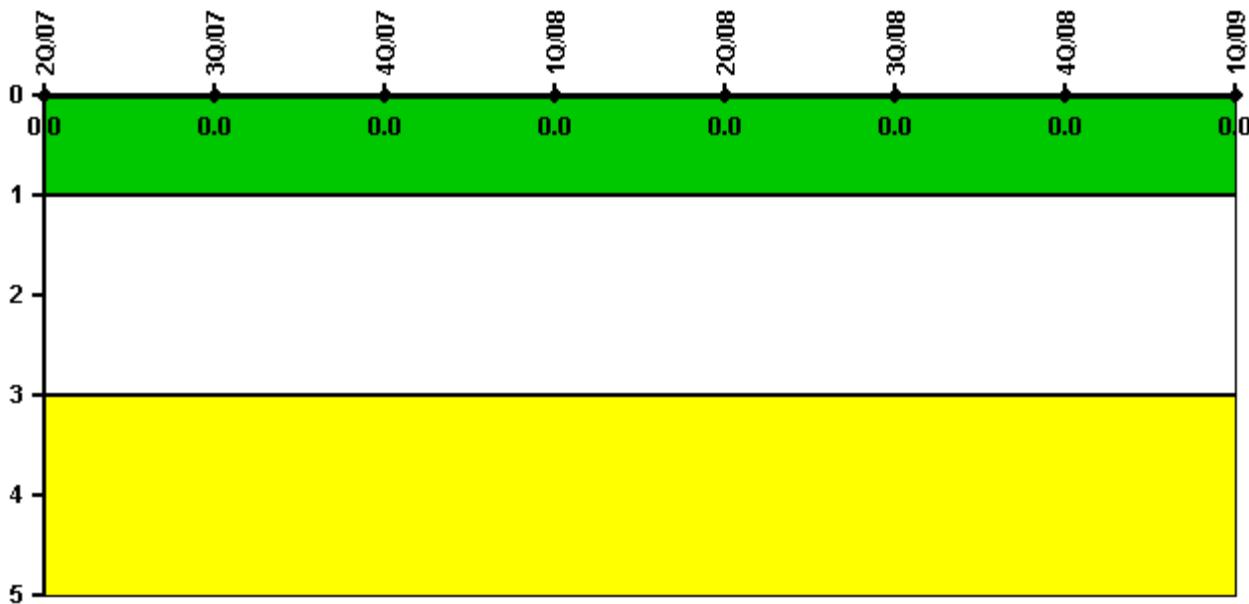
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

[Security](#) information not publicly available.



[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

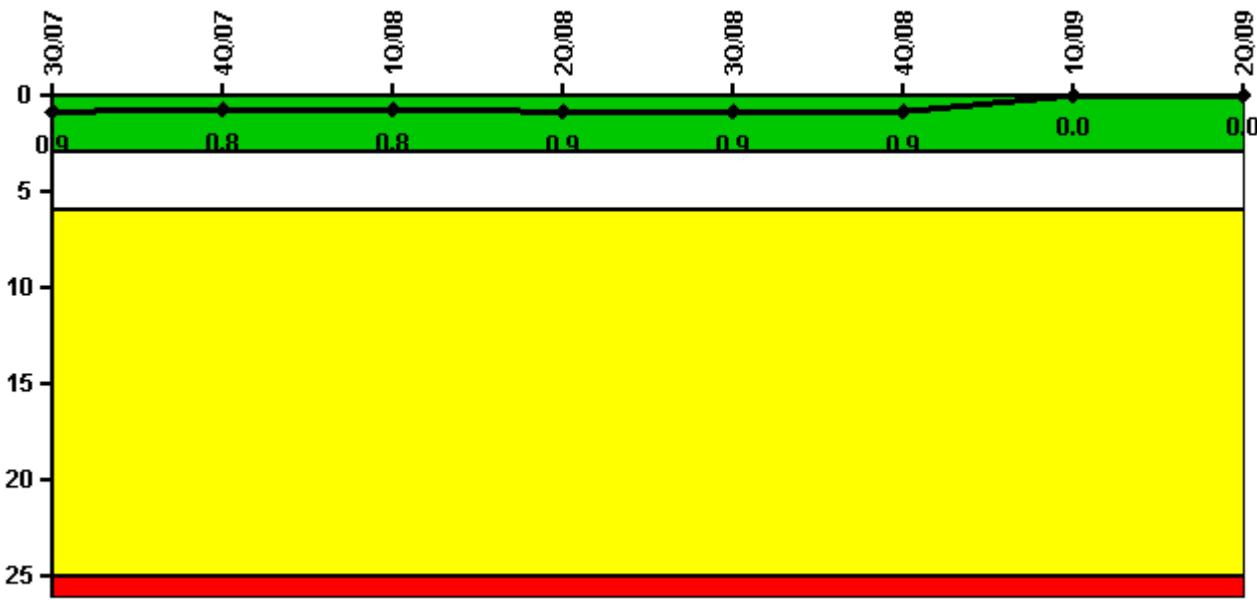
Last Modified: May 1, 2009

Summer

2Q/2009 Performance Indicators

Licensee's General Comments: This change corrects a typographical error for the May DEP entry.

Unplanned Scrams per 7000 Critical Hrs



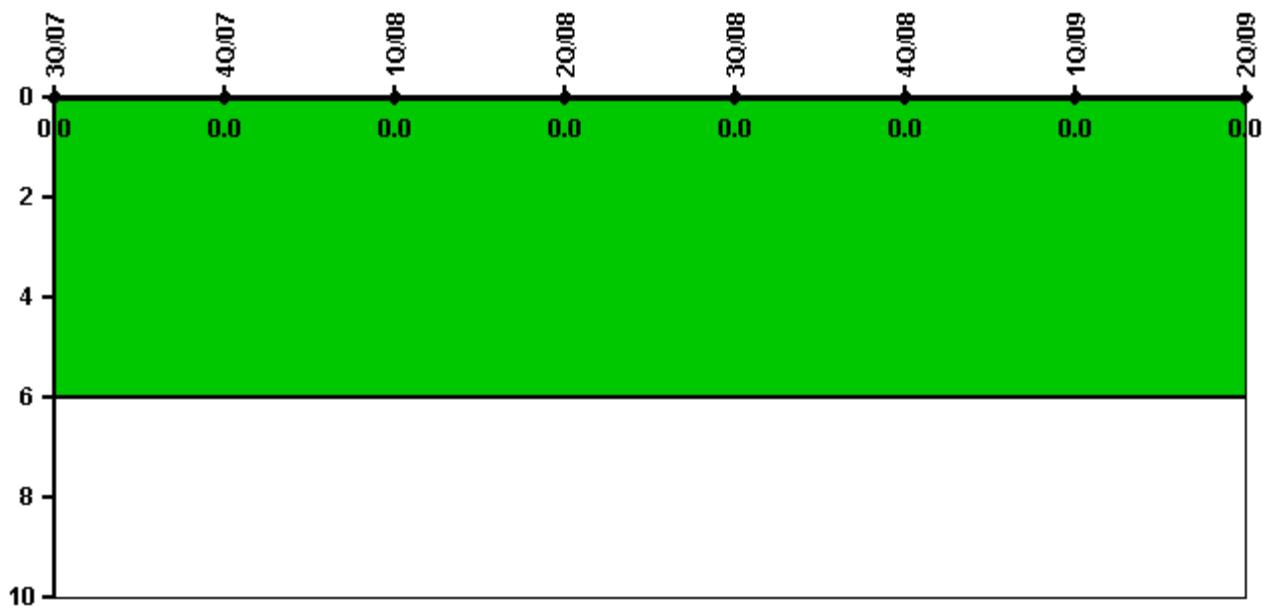
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	2002.8	1031.8	2208.0	2209.0	2159.0	2184.0
Indicator value	0.9	0.8	0.8	0.9	0.9	0.9	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



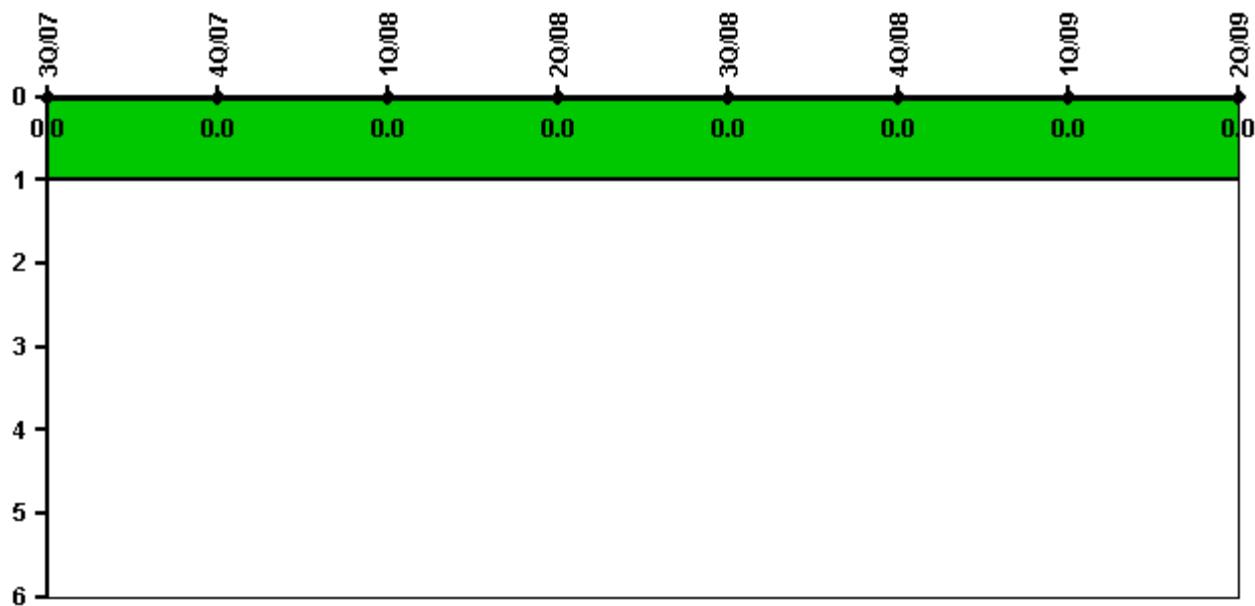
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2002.8	1031.8	2208.0	2209.0	2159.0	2184.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



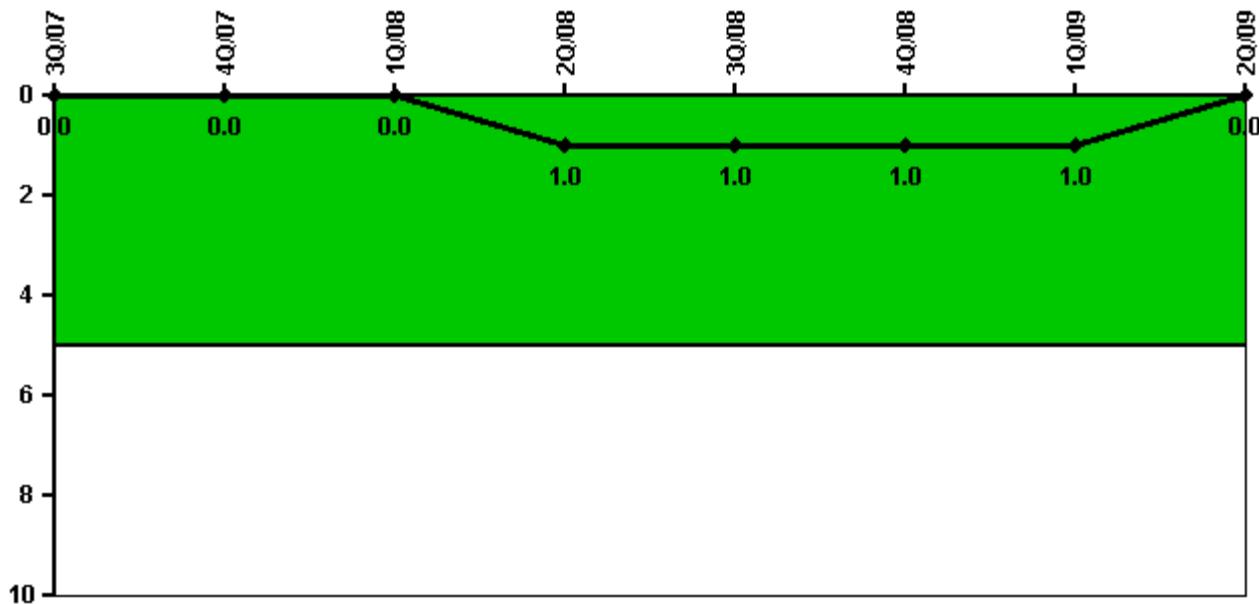
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

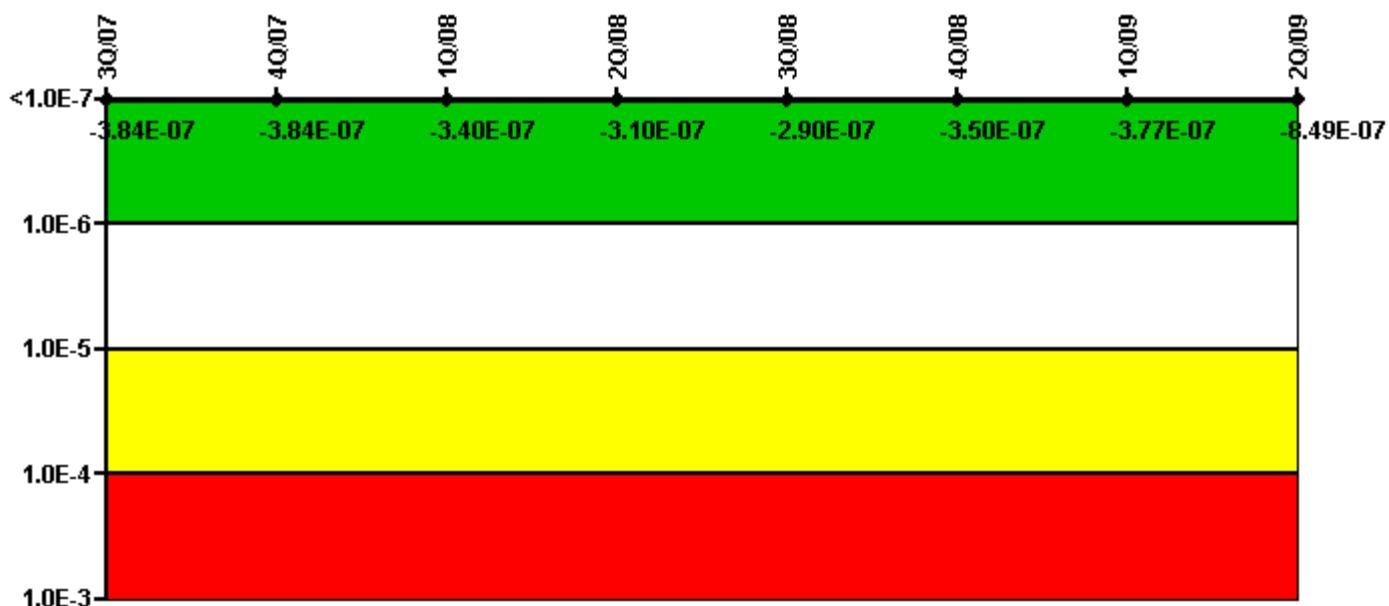
Notes

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

Licensee Comments:

2Q/09: A 2nd quarter 2009 PRA revision incorporated changes to initiating event frequencies, equipment history and human reliability analysis values. There were no scoping changes or major changes to modeling methodology.

Mitigating Systems Performance Index, Emergency AC Power System



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

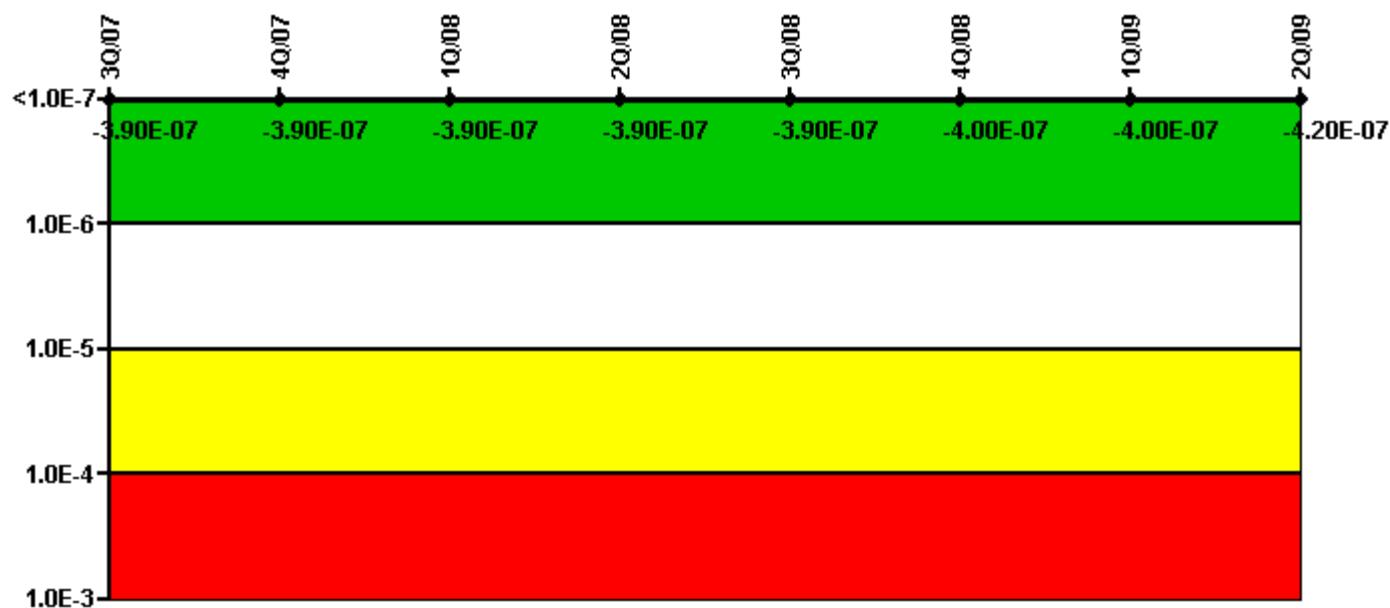
Notes

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)	8.60E-08	8.60E-08	1.30E-07	1.50E-07	1.70E-07	1.10E-07	9.30E-08	9.10E-08
URI (ΔCDF)	-4.70E-07	-4.70E-07	-4.70E-07	-4.60E-07	-4.60E-07	-4.60E-07	-4.70E-07	-9.40E-07
PLE	NO							
Indicator value	-3.84E-07	-3.84E-07	-3.40E-07	-3.10E-07	-2.90E-07	-3.50E-07	-3.77E-07	-8.49E-07

Licensee Comments:

2Q/09: A 2nd quarter 2009 PRA revision incorporated changes to initiating event frequencies, equipment history and human reliability analysis values. There were no scoping changes or major changes to modeling methodology.

Mitigating Systems Performance Index, High Pressure Injection System



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

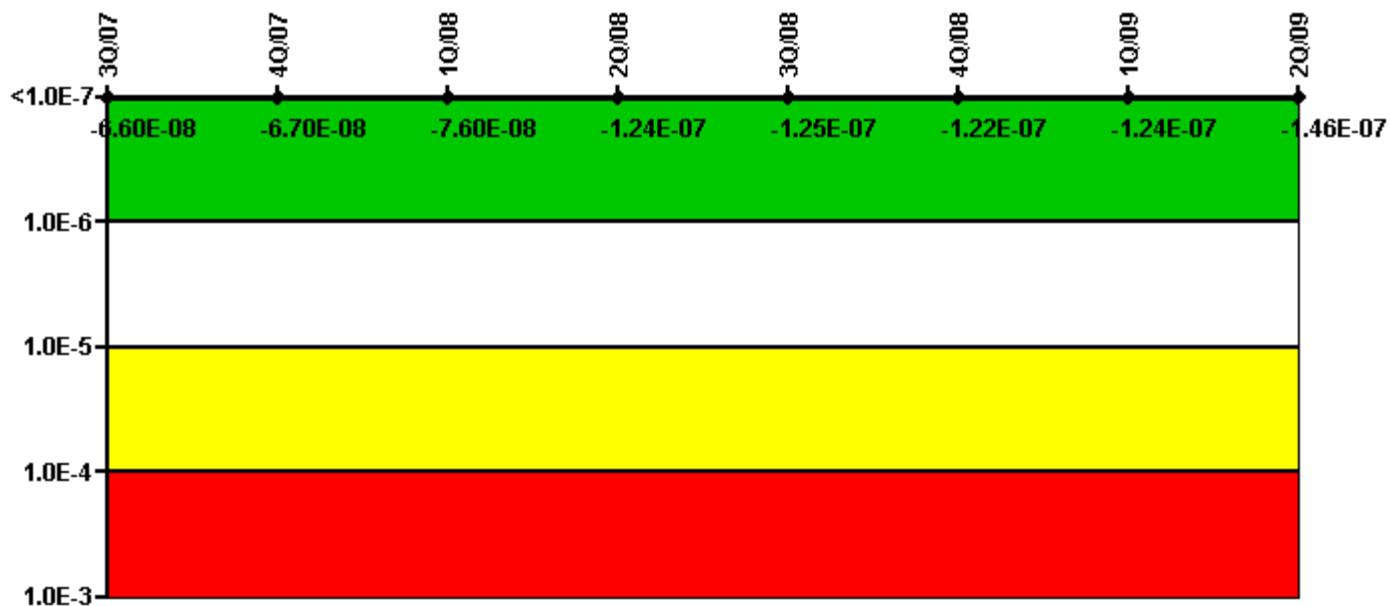
Notes

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 (Δ CDF)	-1.50E-07	-1.70E-07						
URI (Δ CDF)	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.50E-07	-2.50E-07	-2.50E-07
PLE	NO							
Indicator value	-3.90E-07	-3.90E-07	-3.90E-07	-3.90E-07	-3.90E-07	-4.00E-07	-4.00E-07	-4.20E-07

Licensee Comments:

2Q/09: A 2nd quarter 2009 PRA revision incorporated changes to initiating event frequencies, equipment history and human reliability analysis values. There were no scoping changes or major changes to modeling methodology.

Mitigating Systems Performance Index, Heat Removal System



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

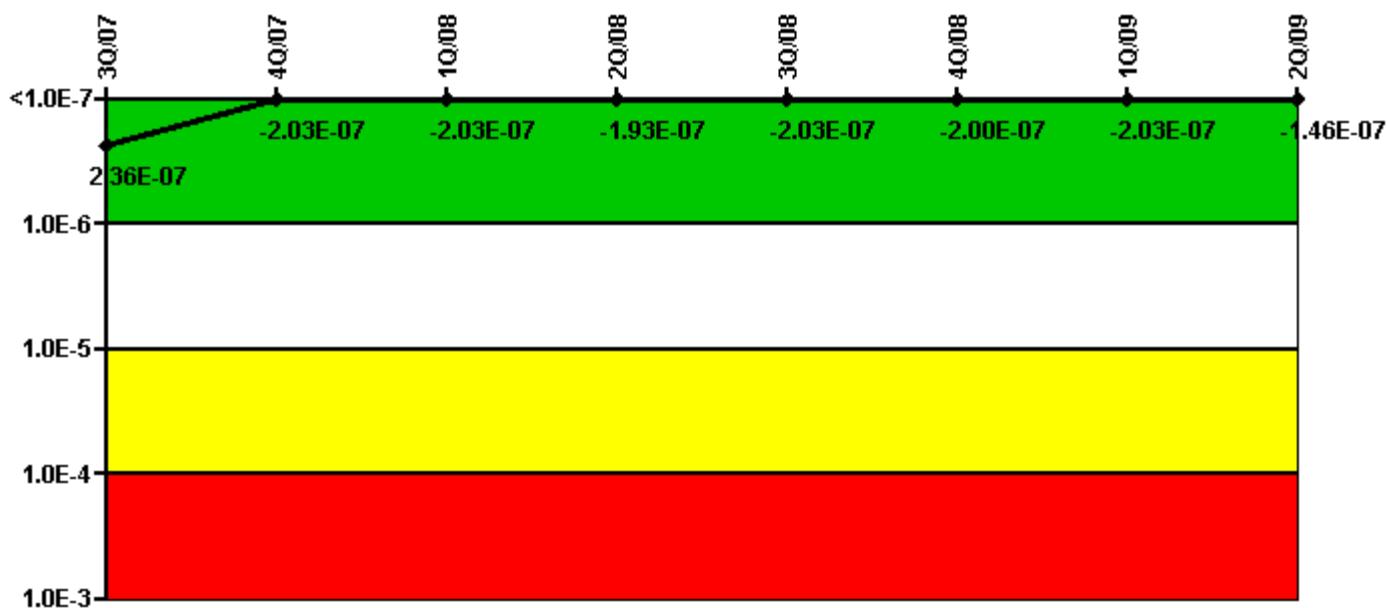
Notes

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)	3.40E-08	3.30E-08	3.40E-08	-2.40E-08	-2.50E-08	-2.20E-08	-2.40E-08	-2.60E-08
URI (ΔCDF)	-1.00E-07	-1.00E-07	-1.10E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.20E-07
PLE	NO							
Indicator value	-6.60E-08	-6.70E-08	-7.60E-08	-1.24E-07	-1.25E-07	-1.22E-07	-1.24E-07	-1.46E-07

Licensee Comments:

2Q/09: A 2nd quarter 2009 PRA revision incorporated changes to initiating event frequencies, equipment history and human reliability analysis values. There were no scoping changes or major changes to modeling methodology.

Mitigating Systems Performance Index, Residual Heat Removal System



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

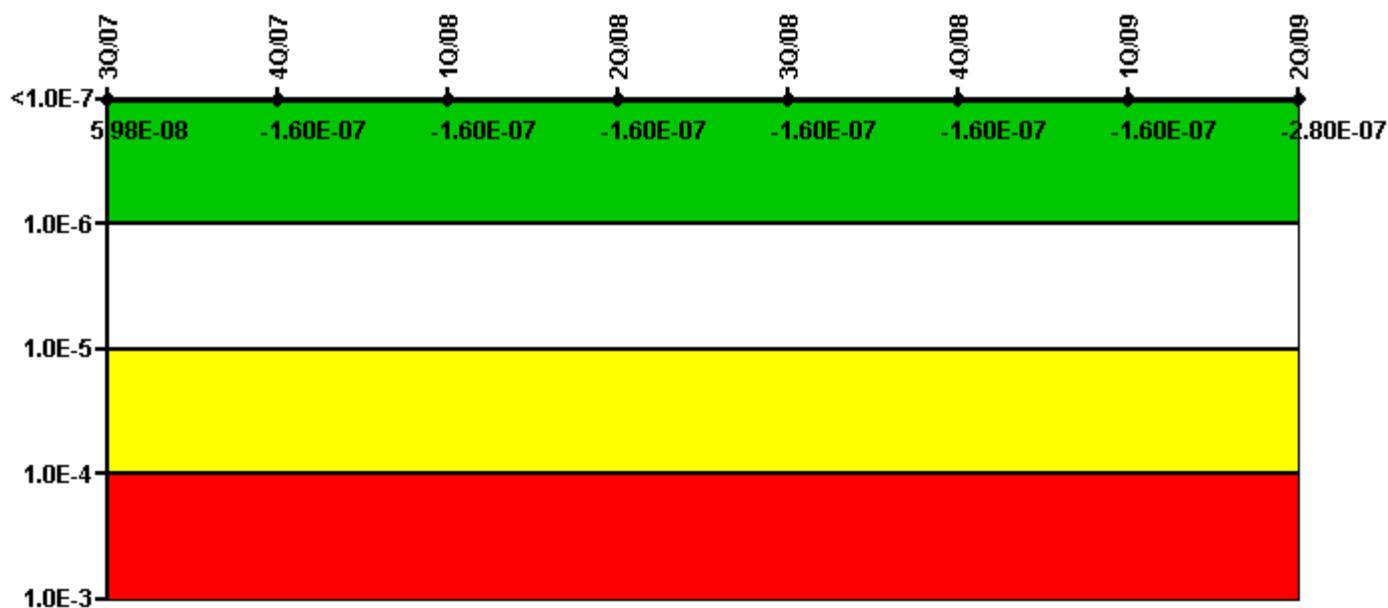
Notes

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 (Δ CDF)	-1.40E-08	-2.30E-08	-2.30E-08	-2.30E-08	-2.30E-08	-2.00E-08	-2.30E-08	-1.60E-08
URI (Δ CDF)	2.50E-07	-1.80E-07	-1.80E-07	-1.70E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.30E-07
PLE	NO							
Indicator value	2.36E-07	-2.03E-07	-2.03E-07	-1.93E-07	-2.03E-07	-2.00E-07	-2.03E-07	-1.46E-07

Licensee Comments:

2Q/09: A 2nd quarter 2009 PRA revision incorporated changes to initiating event frequencies, equipment history and human reliability analysis values. There were no scoping changes or major changes to modeling methodology.

Mitigating Systems Performance Index, Cooling Water Systems



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

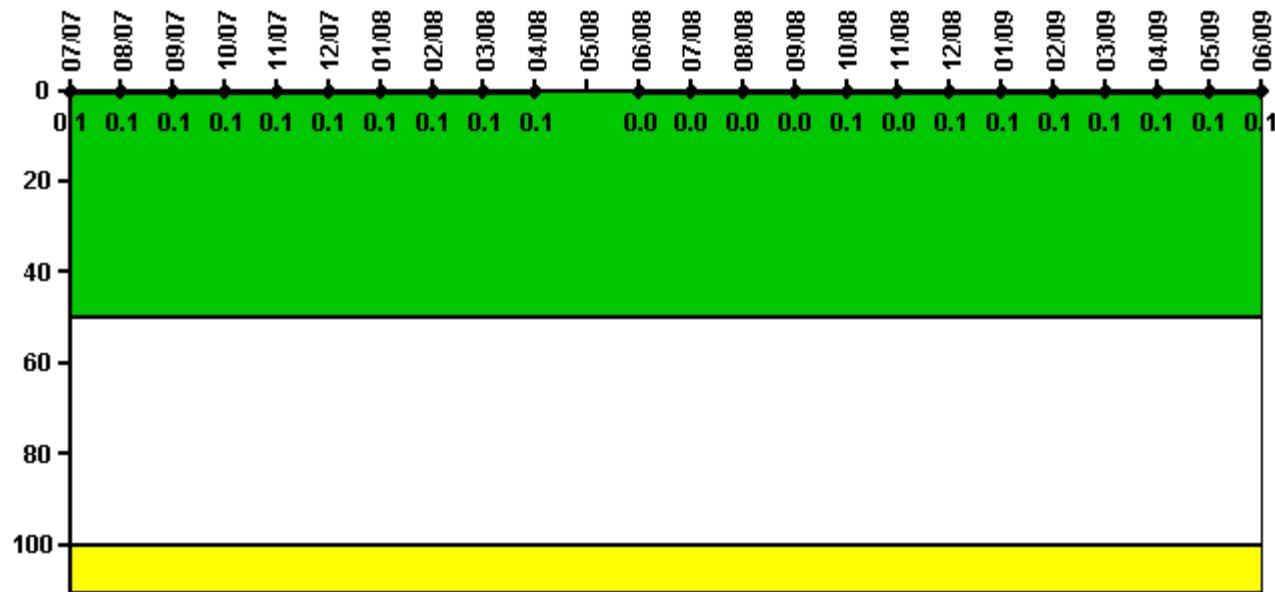
Notes

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)	9.80E-09	9.80E-09	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	-3.00E-08
URI (ΔCDF)	5.00E-08	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-2.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.98E-08	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-2.80E-07

Licensee Comments:

2Q/09: A 2nd quarter 2009 PRA revision incorporated changes to initiating event frequencies, equipment history and human reliability analysis values. There were no scoping changes or major changes to modeling methodology.

Reactor Coolant System Activity



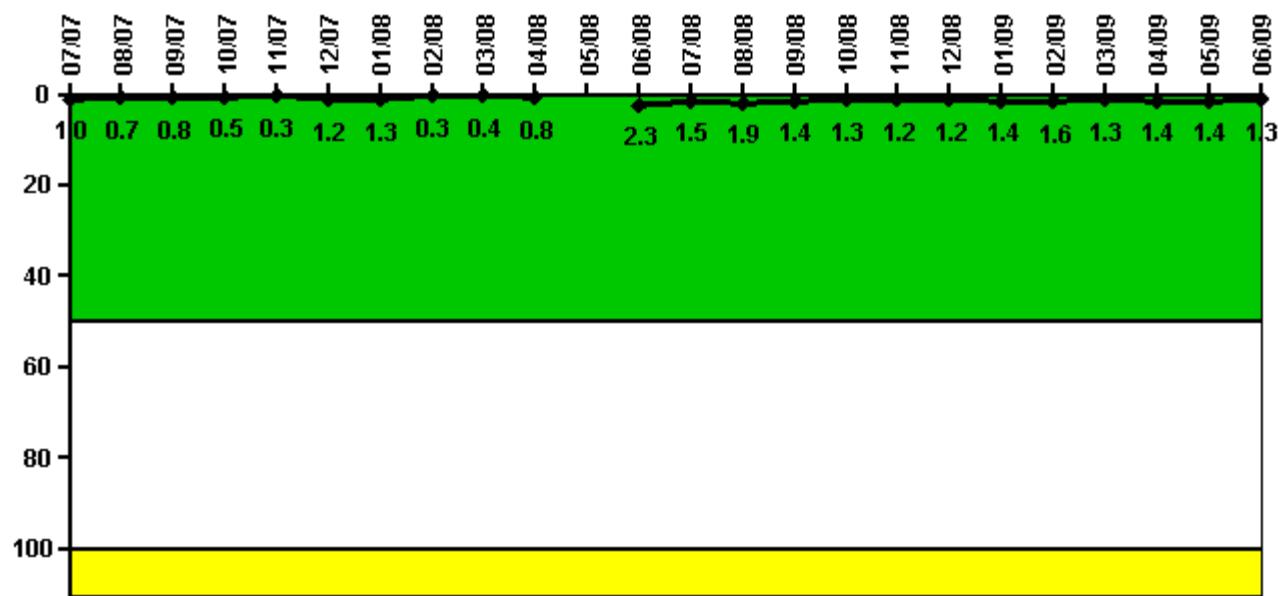
Thresholds: White > 50.0 Yellow > 100.0

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		0.000973	0.001011	0.001033	0.001062	0.001097	0.001125	0.001146	0.001155	0.001195	0.001238	N/A	0.000446
Technical specification limit		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A	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		0.000466	0.000476	0.000485	0.000530	0.000493	0.000514	0.000518	0.000519	0.000547	0.000548	0.000565	0.000571
Technical specification limit		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value		0	0	0	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



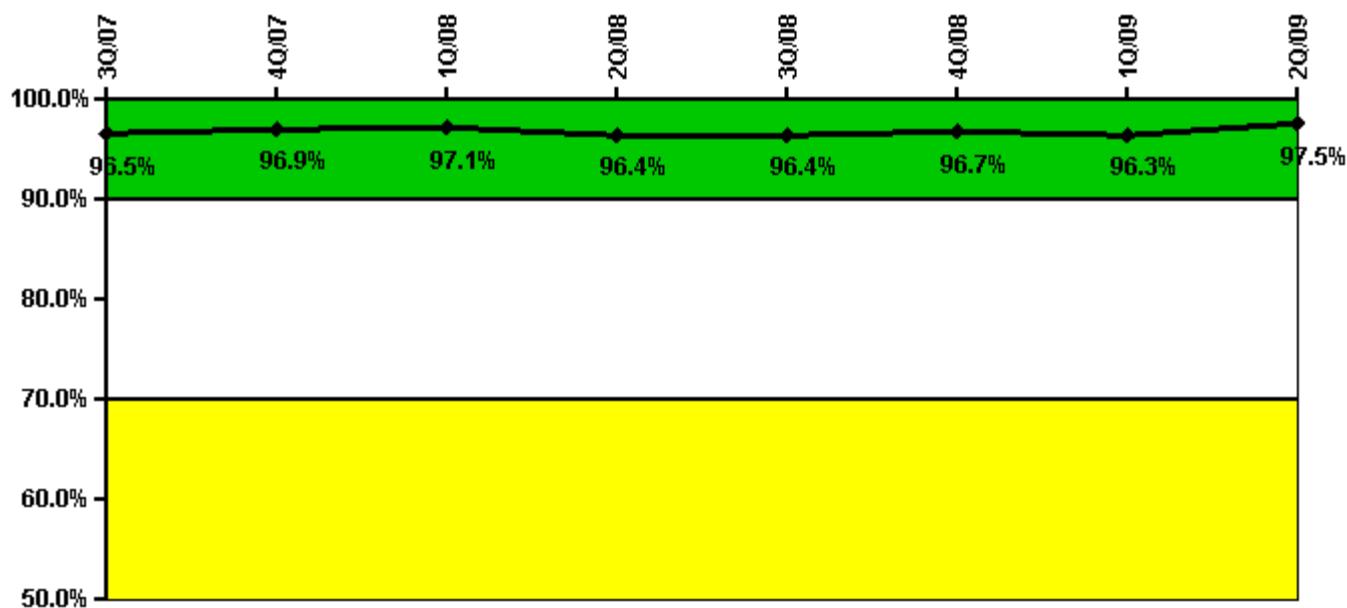
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum leakage	0.100	0.070	0.080	0.050	0.030	0.120	0.130	0.030	0.040	0.080	N/A	0.230
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.0	0.7	0.8	0.5	0.3	1.2	1.3	0.3	0.4	0.8	N/A	2.3
Reactor Coolant System Leakage	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum leakage	0.150	0.190	0.140	0.130	0.120	0.120	0.140	0.160	0.130	0.140	0.140	0.130
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.5	1.9	1.4	1.3	1.2	1.2	1.4	1.6	1.3	1.4	1.4	1.3

Licensee Comments: none

Drill/Exercise Performance



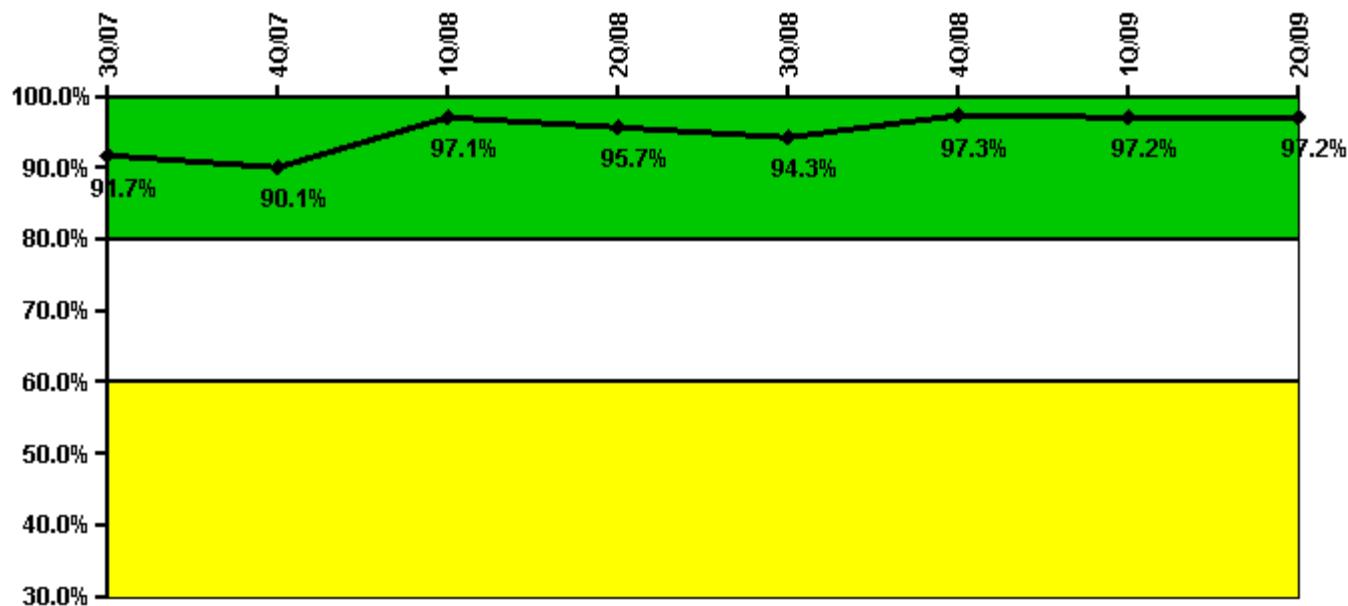
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful opportunities	36.0	8.0	39.0	0	25.0	16.0	11.0	24.0
Total opportunities	38.0	8.0	40.0	0	25.0	16.0	12.0	24.0
Indicator value	96.5%	96.9%	97.1%	96.4%	96.4%	96.7%	96.3%	97.5%

Licensee Comments: none

ERO Drill Participation



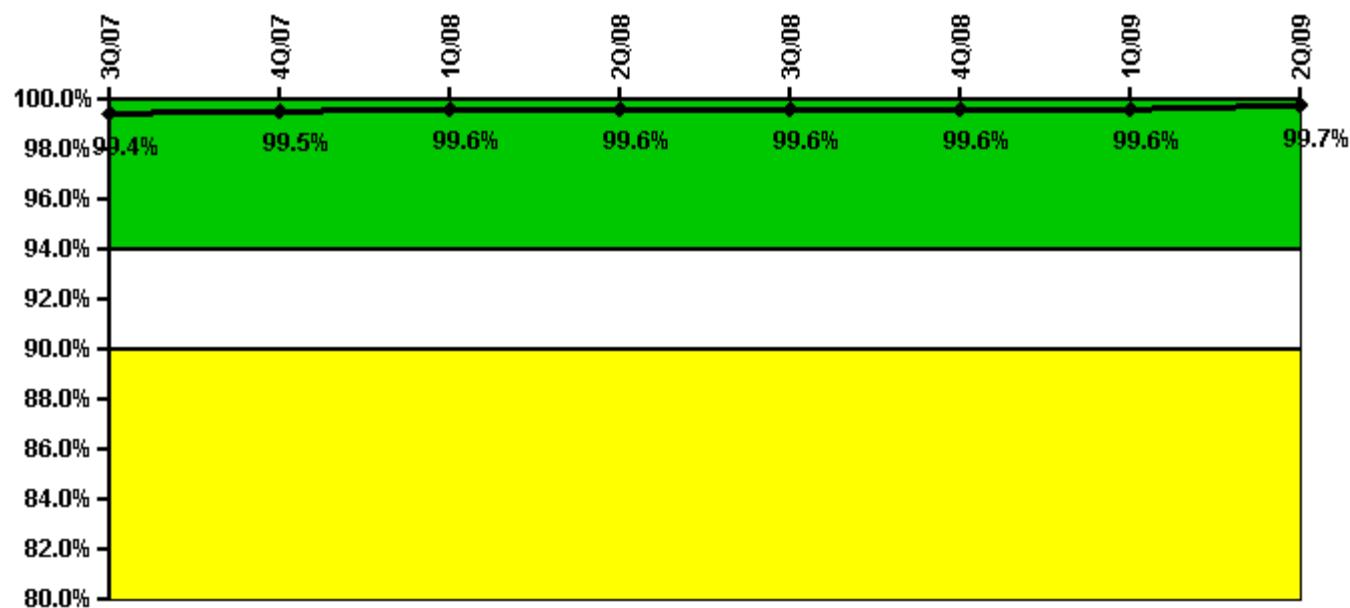
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Participating Key personnel	66.0	64.0	66.0	66.0	66.0	71.0	70.0	70.0
Total Key personnel	72.0	71.0	68.0	69.0	70.0	73.0	72.0	72.0
Indicator value	91.7%	90.1%	97.1%	95.7%	94.3%	97.3%	97.2%	97.2%

Licensee Comments: none

Alert & Notification System



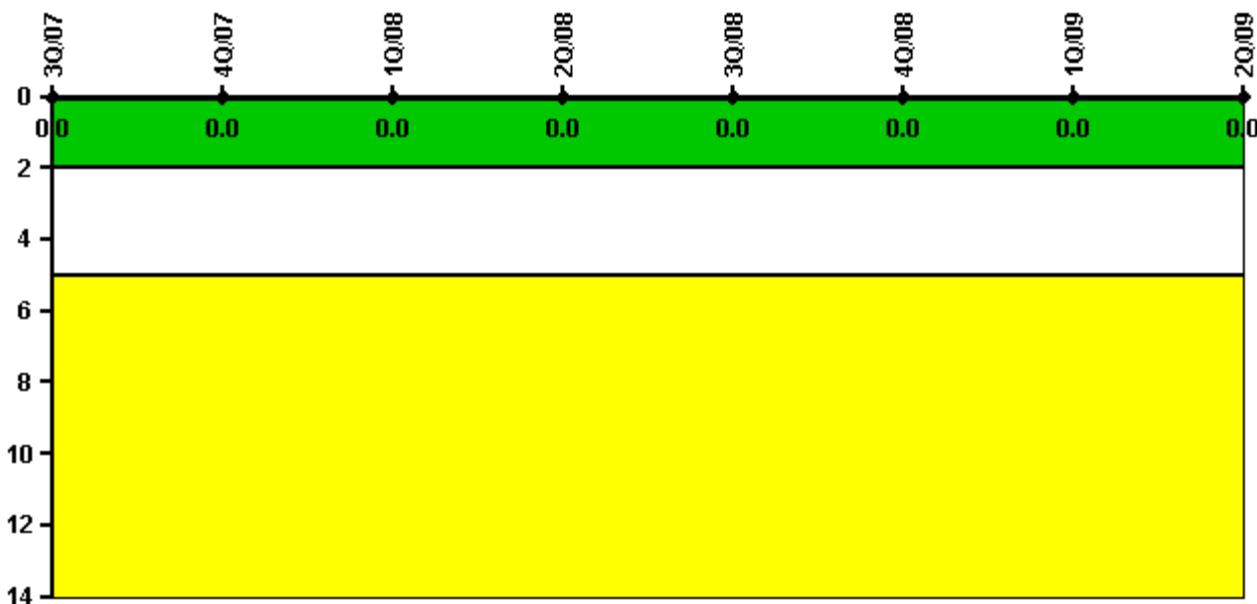
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful siren-tests	738	844	846	738	845	739	845	742
Total sirens-tests	742	848	848	742	848	742	848	742
Indicator value	99.4%	99.5%	99.6%	99.6%	99.6%	99.6%	99.6%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



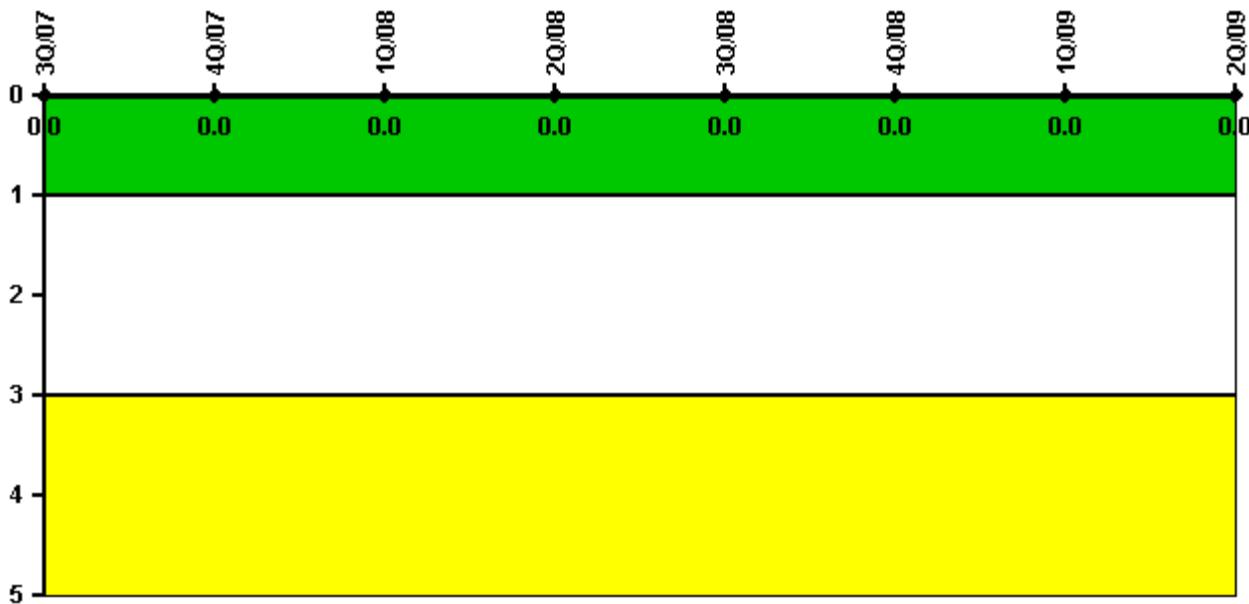
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

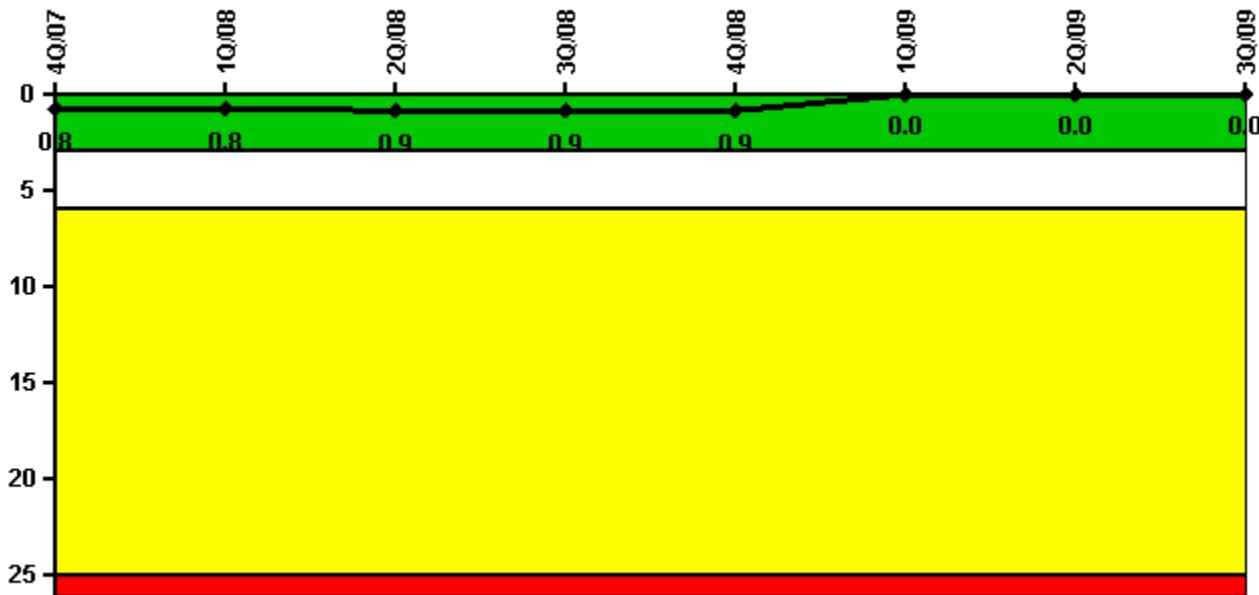
[Security](#) information not publicly available.

Summer

3Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



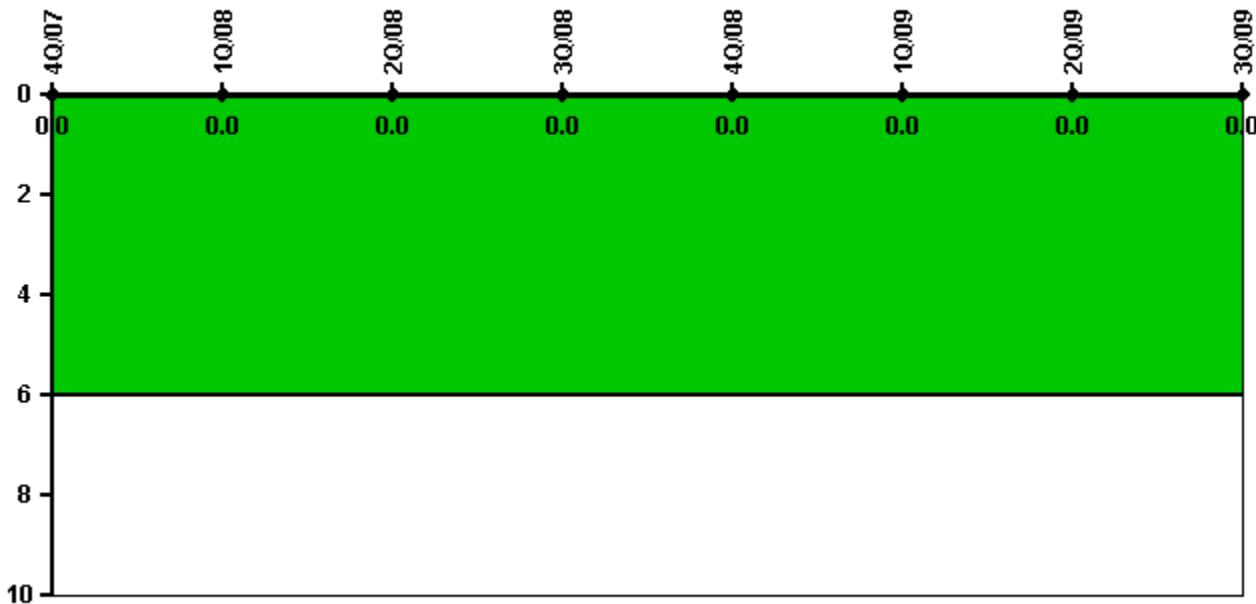
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	0	0
Critical hours	2209.0	2002.8	1031.8	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	0.8	0.8	0.9	0.9	0.9	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



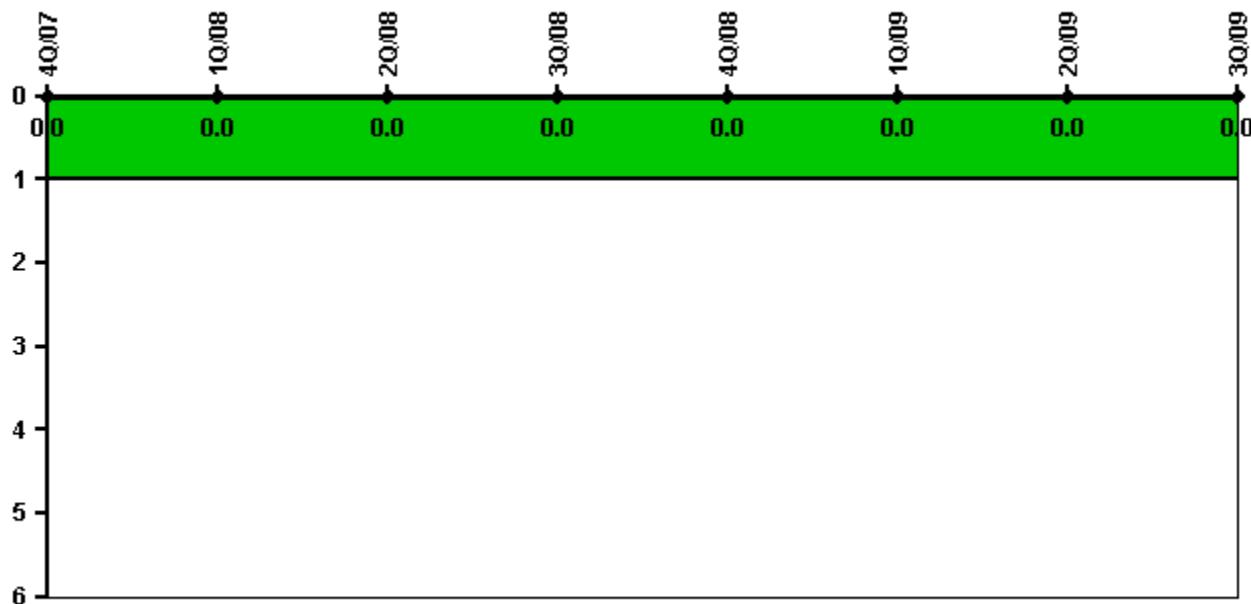
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2002.8	1031.8	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications



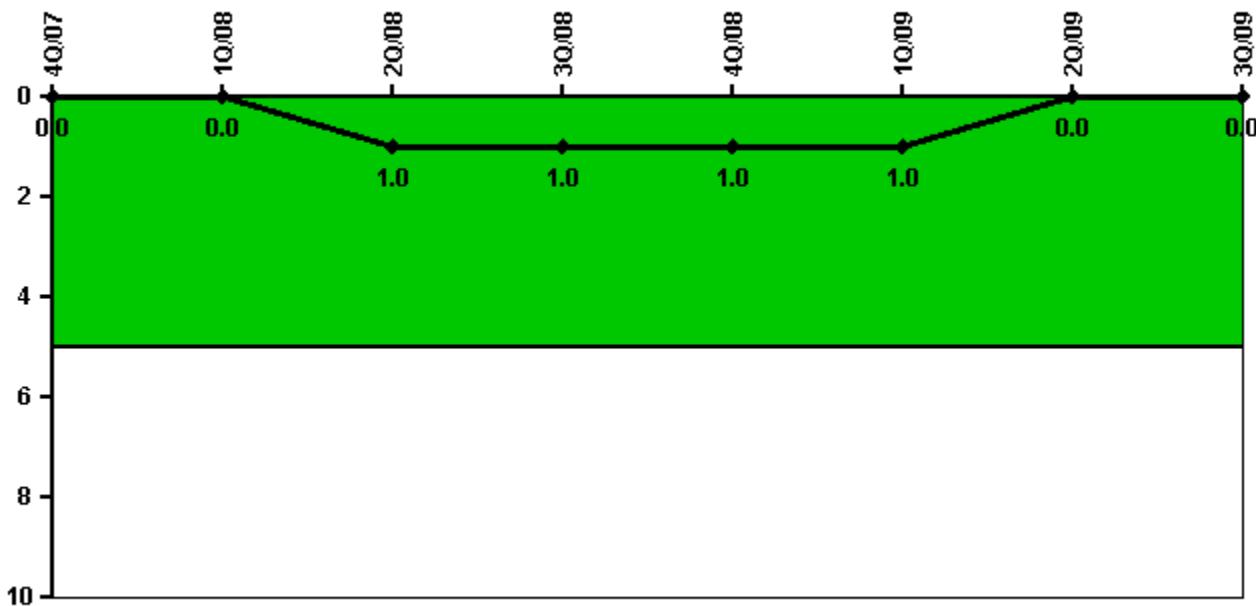
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



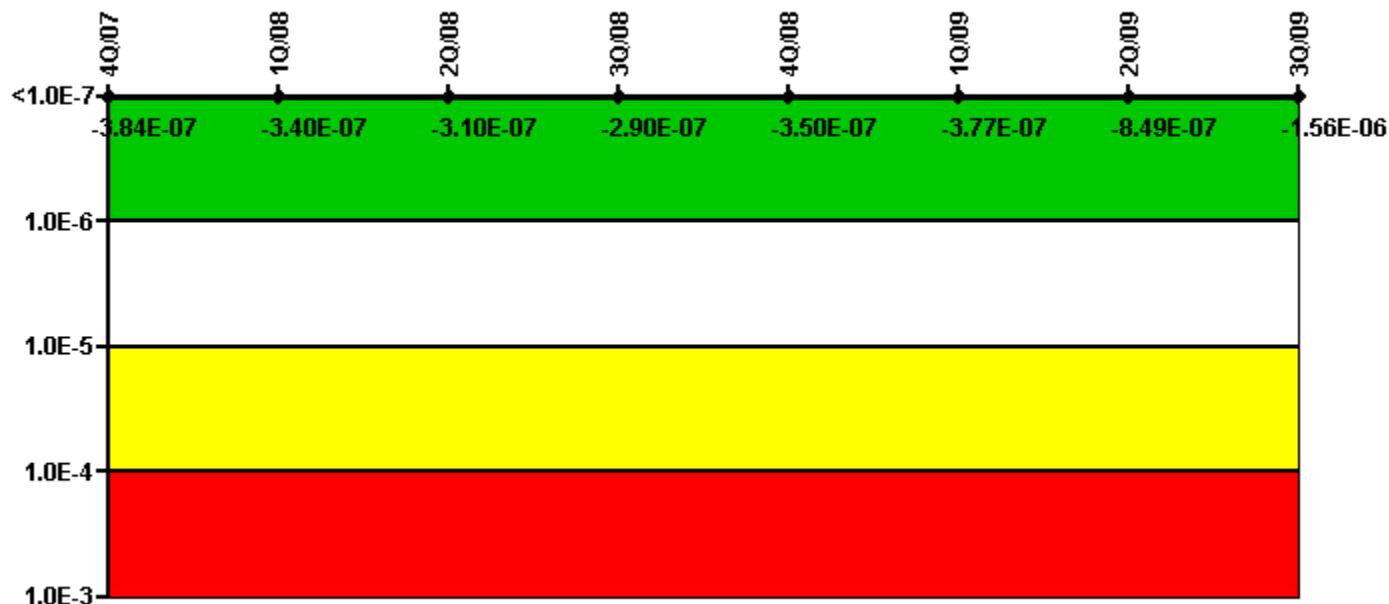
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Safety System Functional Failures	0	0	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



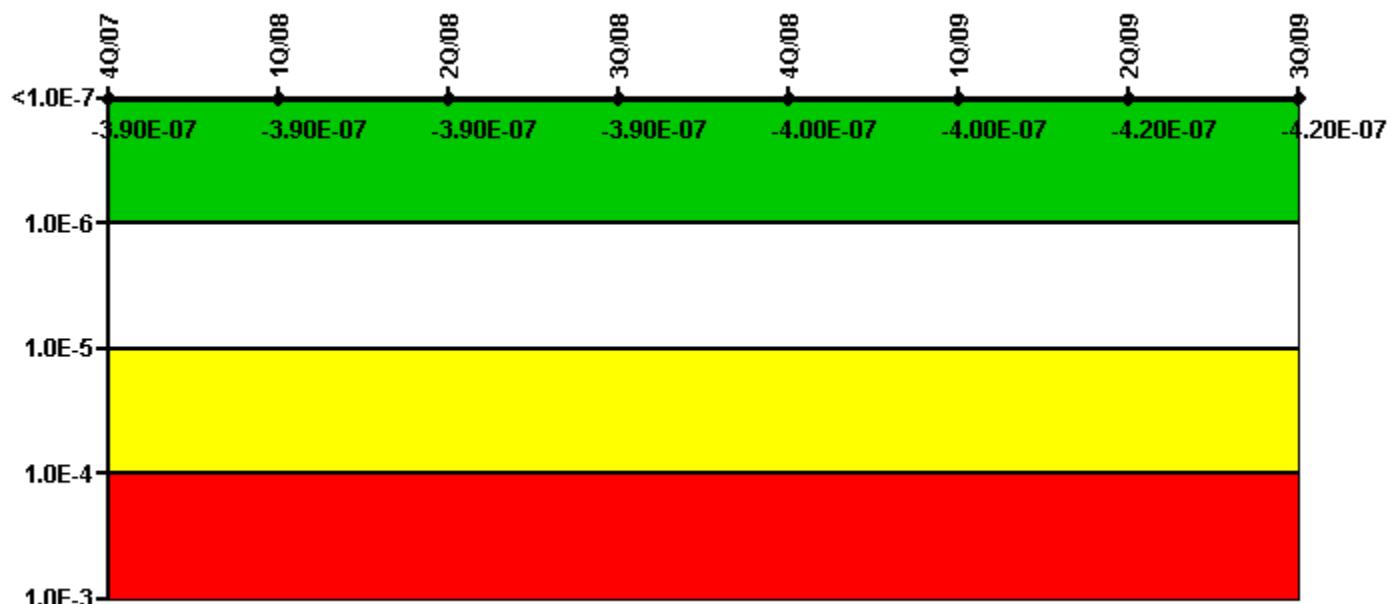
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	8.60E-08	1.30E-07	1.50E-07	1.70E-07	1.10E-07	9.30E-08	9.10E-08	4.50E-08
URI (Δ CDF)	-4.70E-07	-4.70E-07	-4.60E-07	-4.60E-07	-4.60E-07	-4.70E-07	-9.40E-07	-1.60E-06
PLE	NO							
Indicator value	-3.84E-07	-3.40E-07	-3.10E-07	-2.90E-07	-3.50E-07	-3.77E-07	-8.49E-07	-1.56E-06

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



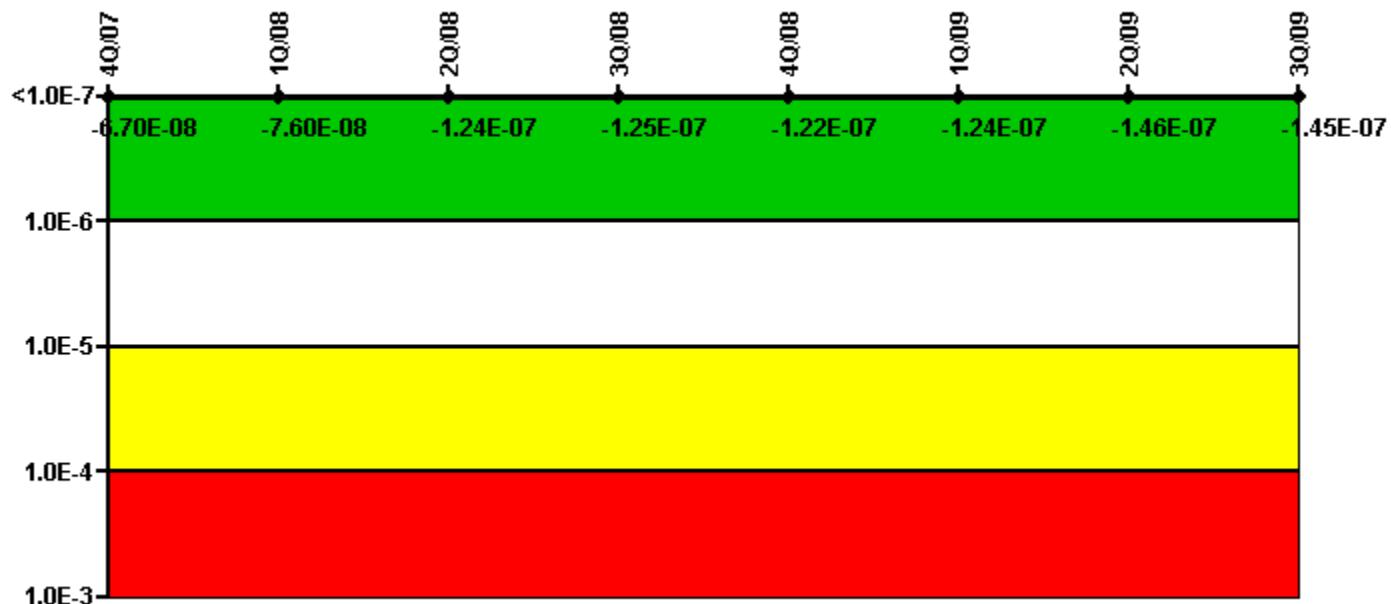
Thresholds: White > $1.00\text{E-}6$ Yellow > $1.00\text{E-}5$ Red > $1.00\text{E-}4$

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 (Δ CDF)	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.70E-07	-1.70E-07
URI (Δ CDF)	-2.40E-07	-2.40E-07	-2.40E-07	-2.40E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07
PLE	NO							
Indicator value	-3.90E-07	-3.90E-07	-3.90E-07	-3.90E-07	-4.00E-07	-4.00E-07	-4.20E-07	-4.20E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



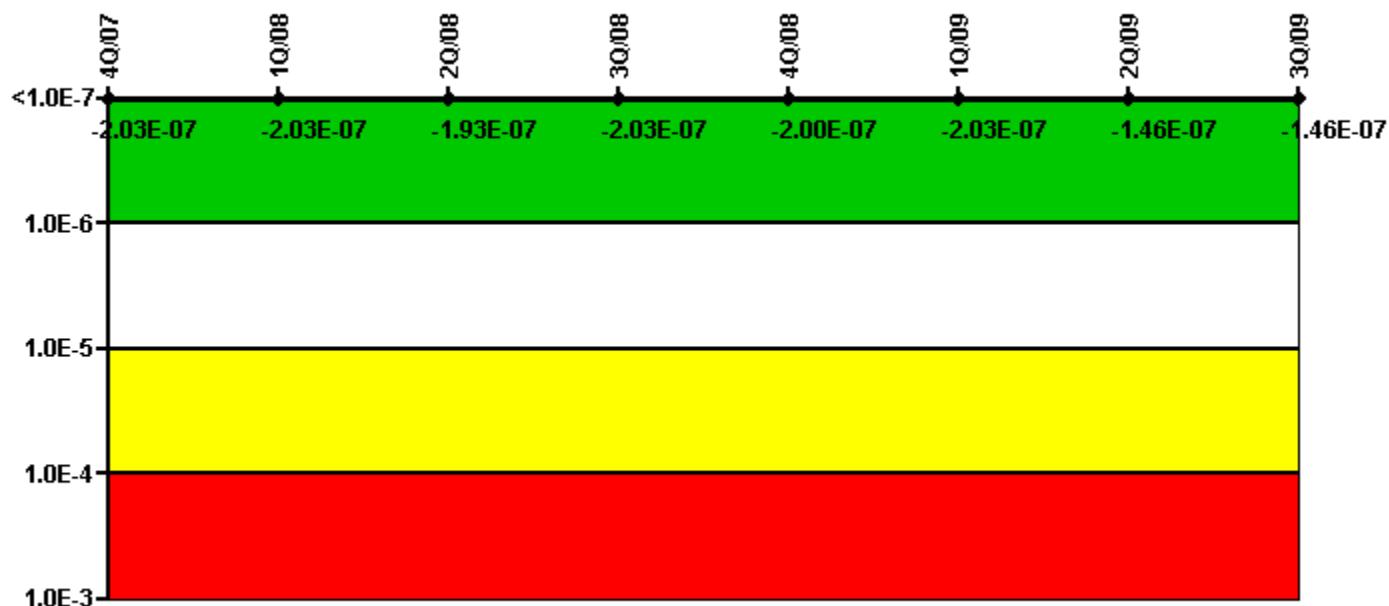
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	3.30E-08	3.40E-08	-2.40E-08	-2.50E-08	-2.20E-08	-2.40E-08	-2.60E-08	-2.50E-08
URI (Δ CDF)	-1.00E-07	-1.10E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.20E-07	-1.20E-07
PLE	NO							
Indicator value	-6.70E-08	-7.60E-08	-1.24E-07	-1.25E-07	-1.22E-07	-1.24E-07	-1.46E-07	-1.45E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



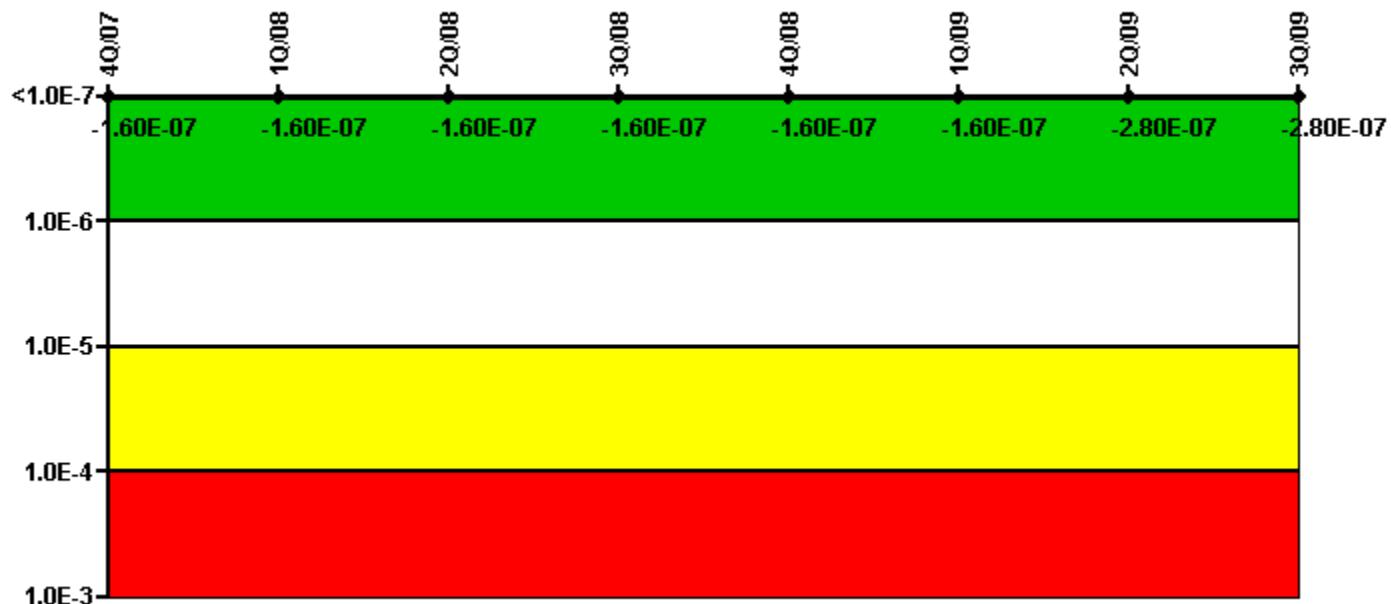
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	-2.30E-08	-2.30E-08	-2.30E-08	-2.30E-08	-2.00E-08	-2.30E-08	-1.60E-08	-1.60E-08
URI (Δ CDF)	-1.80E-07	-1.80E-07	-1.70E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.30E-07	-1.30E-07
PLE	NO							
Indicator value	-2.03E-07	-2.03E-07	-1.93E-07	-2.03E-07	-2.00E-07	-2.03E-07	-1.46E-07	-1.46E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



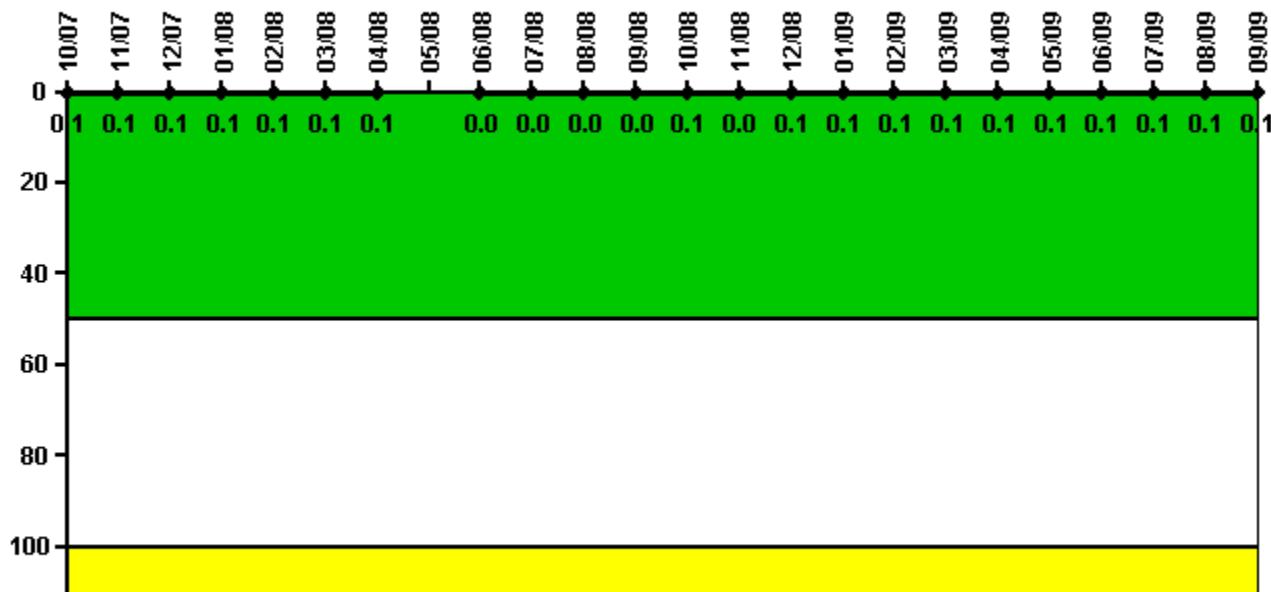
Thresholds: White $> 1.00E-6$ Yellow $> 1.00E-5$ Red $> 1.00E-4$

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	9.80E-09	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	-3.00E-08	-3.00E-08
URI (Δ CDF)	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-2.50E-07	-2.50E-07
PLE	NO							
Indicator value	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-2.80E-07	-2.80E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

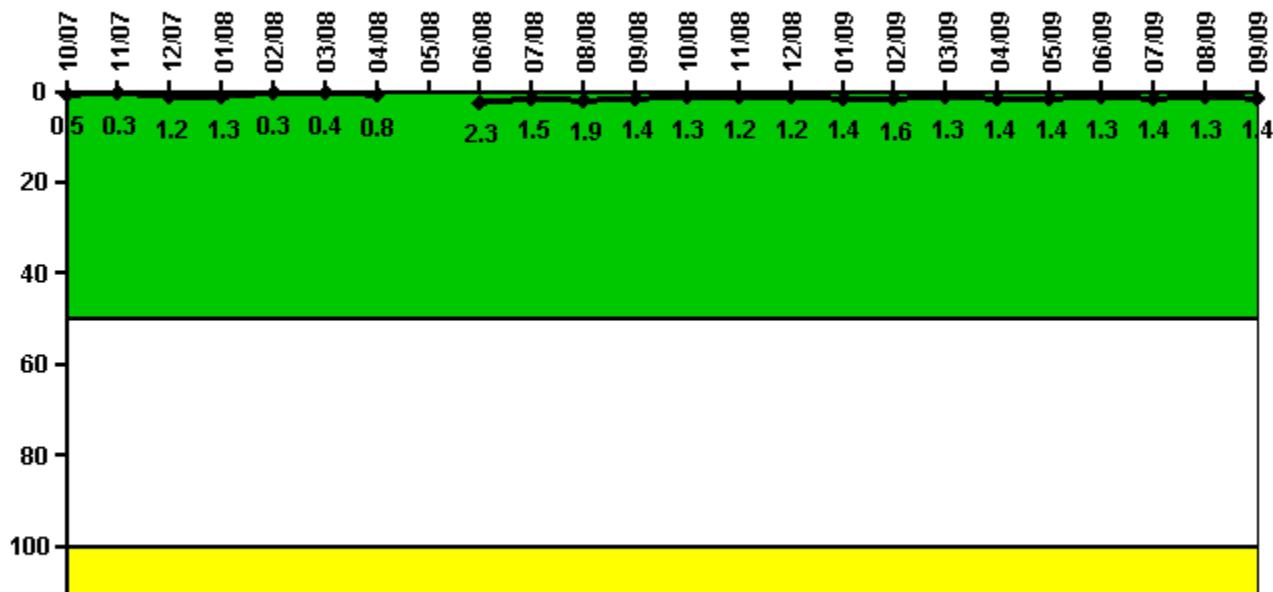
Notes

Reactor Coolant System Activity	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum activity	0.001062	0.001097	0.001125	0.001146	0.001155	0.001195	0.001238	N/A	0.000446	0.000466	0.000476	0.000485
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A	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	0.000530	0.000493	0.000514	0.000518	0.000519	0.000547	0.000548	0.000565	0.000571	0.000585	0.000627	0.000615
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



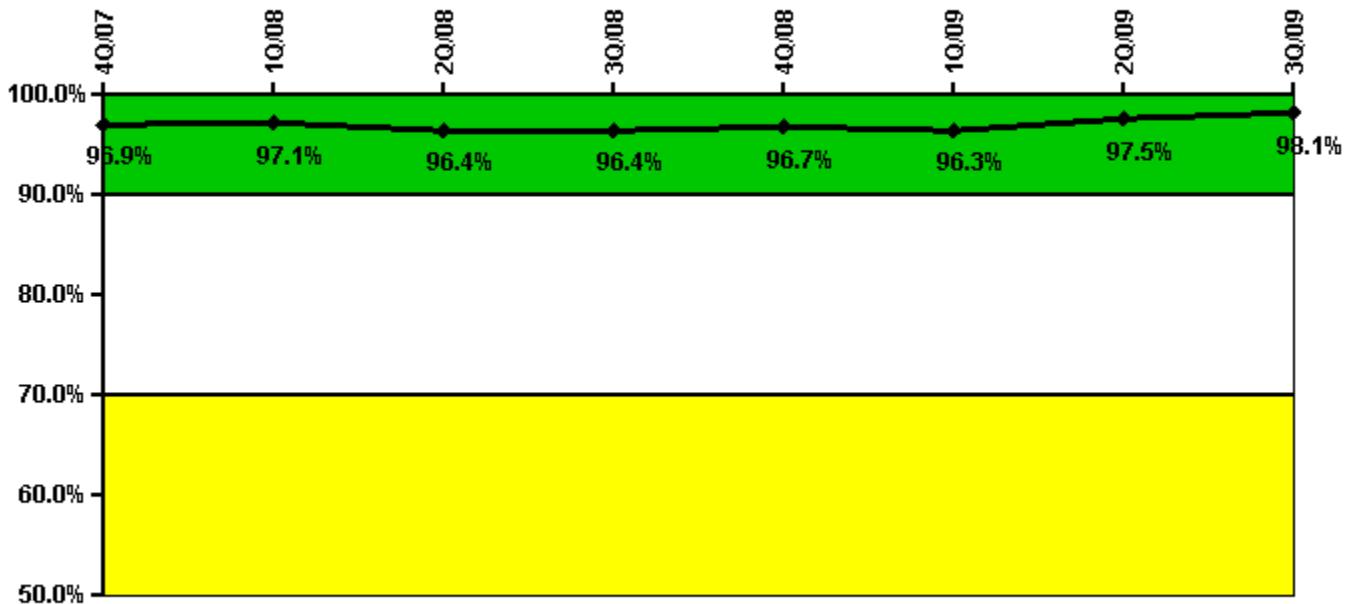
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum leakage	0.050	0.030	0.120	0.130	0.030	0.040	0.080	N/A	0.230	0.150	0.190	0.140
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.3	1.2	1.3	0.3	0.4	0.8	N/A	2.3	1.5	1.9	1.4
Reactor Coolant System Leakage	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum leakage	0.130	0.120	0.120	0.140	0.160	0.130	0.140	0.140	0.130	0.140	0.130	0.140
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.3	1.2	1.2	1.4	1.6	1.3	1.4	1.4	1.3	1.4	1.3	1.4

Licensee Comments: none

Drill/Exercise Performance



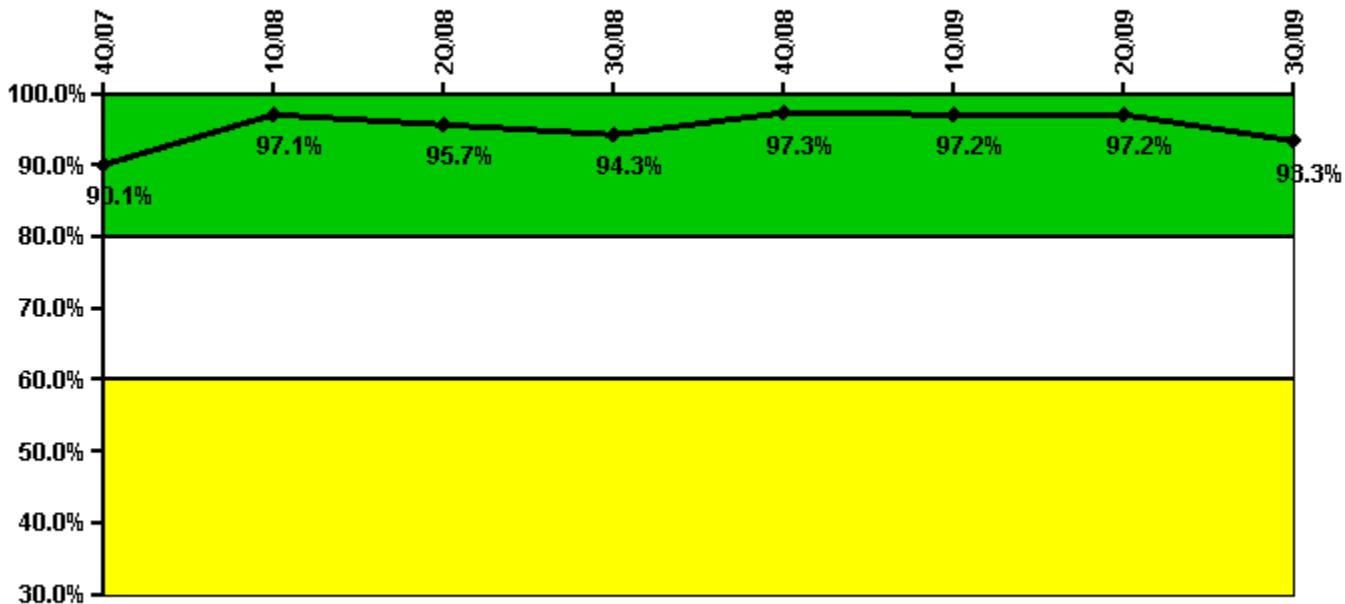
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful opportunities	8.0	39.0	0	25.0	16.0	11.0	24.0	31.0
Total opportunities	8.0	40.0	0	25.0	16.0	12.0	24.0	32.0
Indicator value	96.9%	97.1%	96.4%	96.4%	96.7%	96.3%	97.5%	98.1%

Licensee Comments: none

ERO Drill Participation



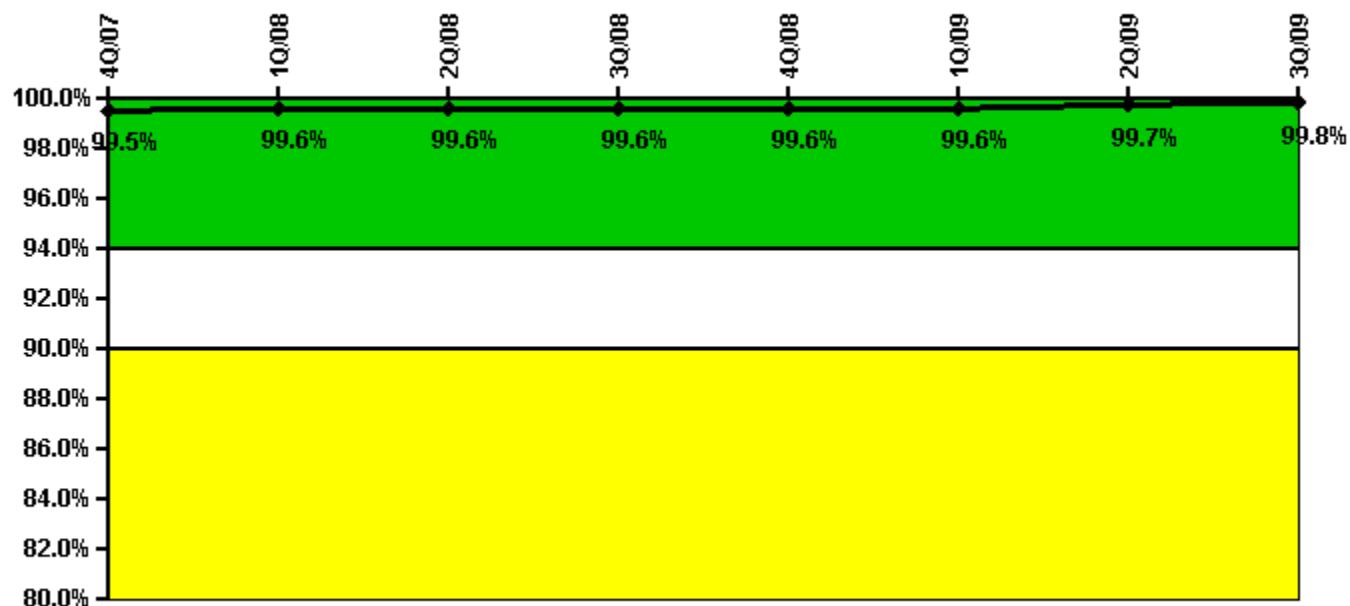
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	64.0	66.0	66.0	66.0	71.0	70.0	70.0	70.0
Total Key personnel	71.0	68.0	69.0	70.0	73.0	72.0	72.0	75.0
Indicator value	90.1%	97.1%	95.7%	94.3%	97.3%	97.2%	97.2%	93.3%

Licensee Comments: none

Alert & Notification System



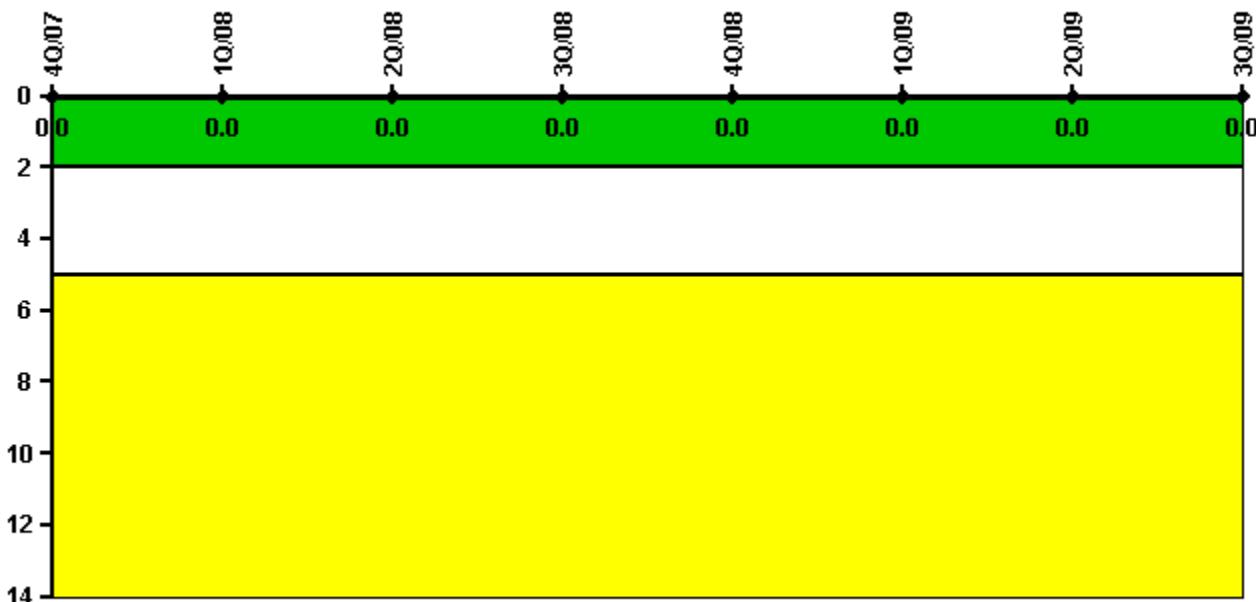
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful siren-tests	844	846	738	845	739	845	742	847
Total sirens-tests	848	848	742	848	742	848	742	848
Indicator value	99.5%	99.6%	99.6%	99.6%	99.6%	99.6%	99.7%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



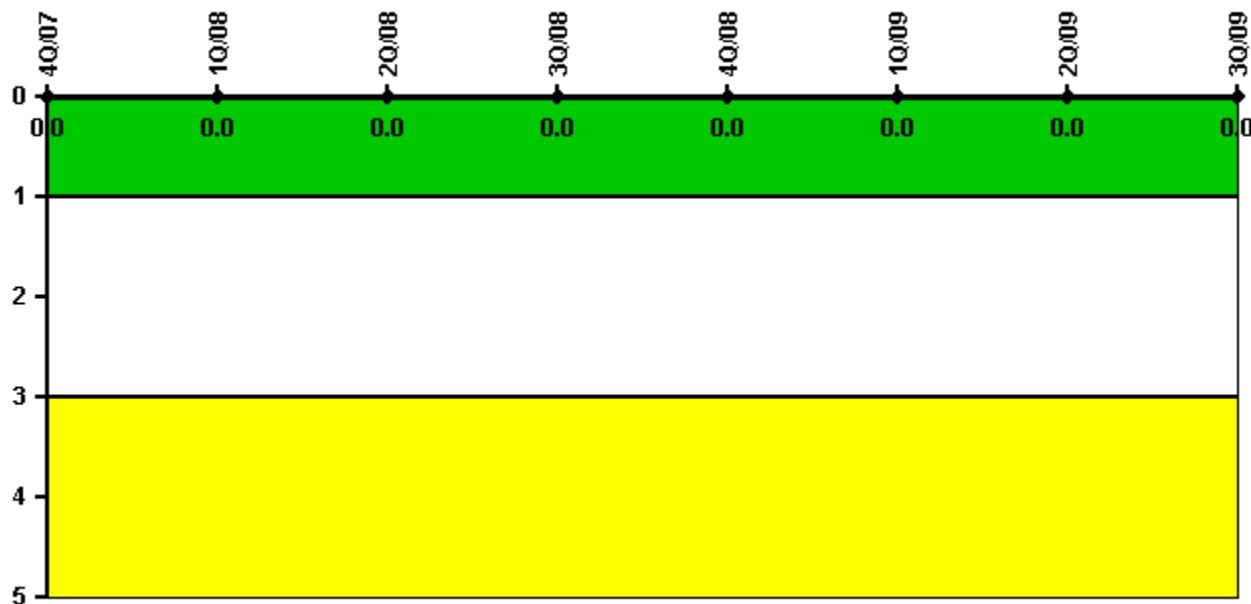
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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

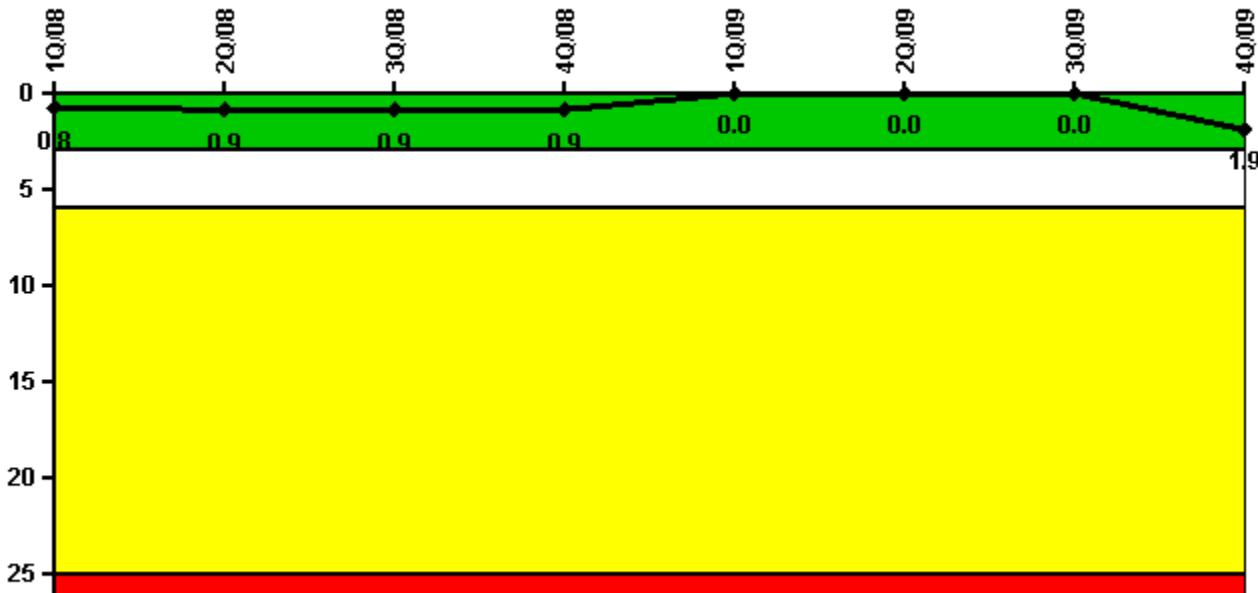
Security information not publicly available.

Summer

4Q/2009 Performance Indicators

Licensee's General Comments: Updated Emergency Planning data based on NRC Resident Inspector review.

Unplanned Scrams per 7000 Critical Hrs



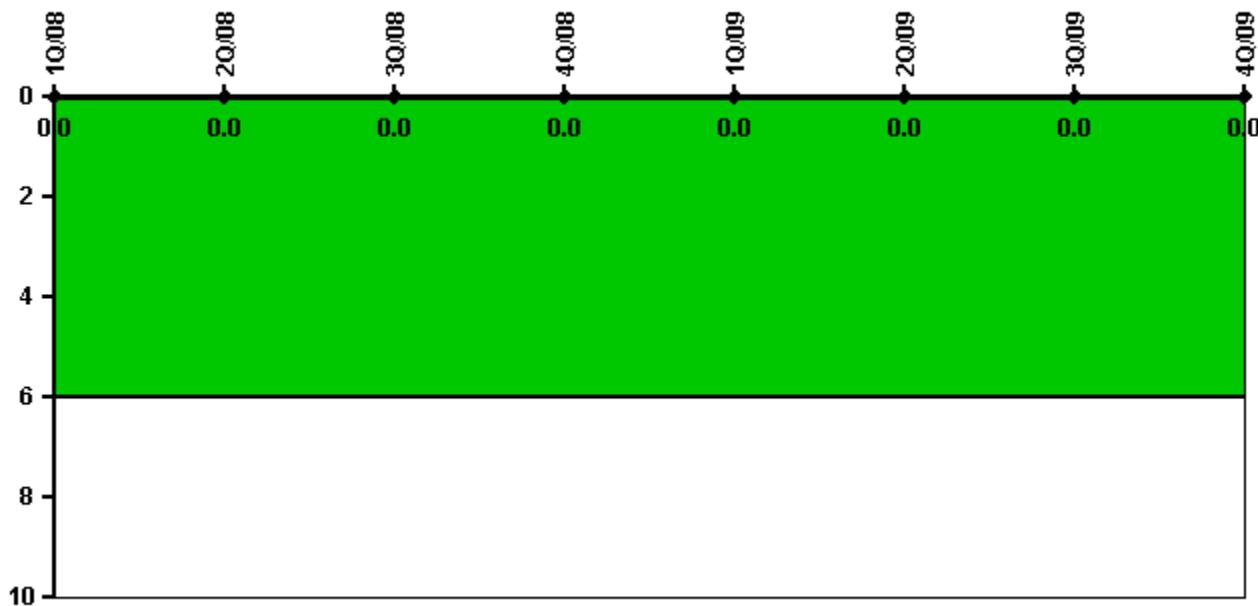
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	0	0	2.0
Critical hours	2002.8	1031.8	2208.0	2209.0	2159.0	2184.0	2208.0	688.6
Indicator value	0.8	0.9	0.9	0.9	0	0	0	1.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



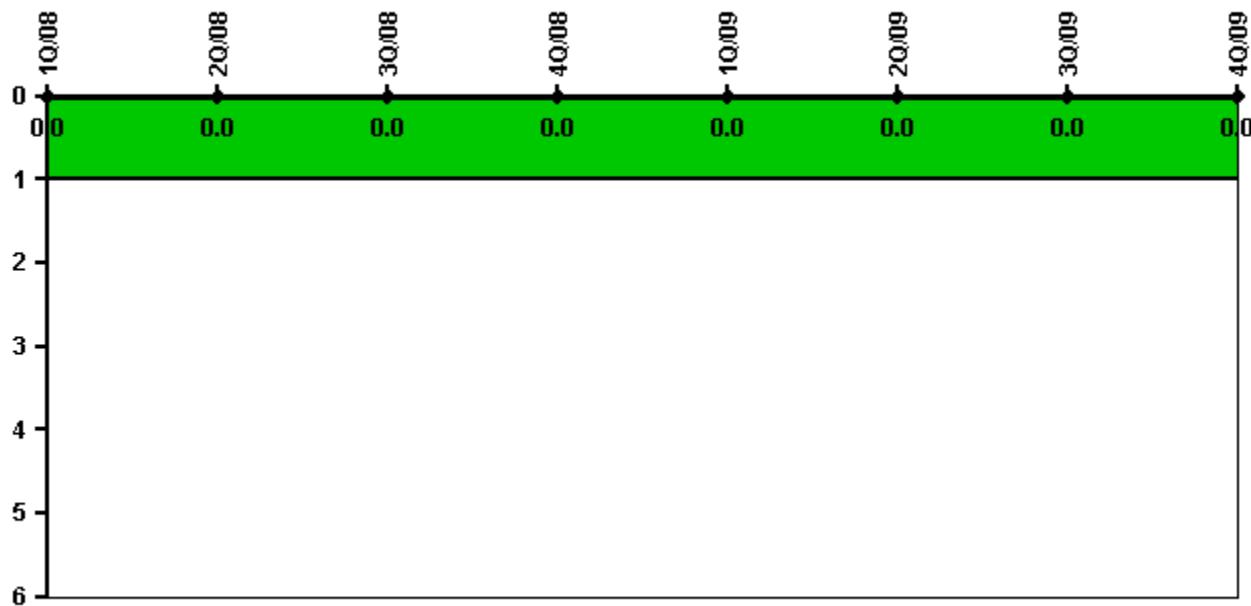
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2002.8	1031.8	2208.0	2209.0	2159.0	2184.0	2208.0	688.6
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications



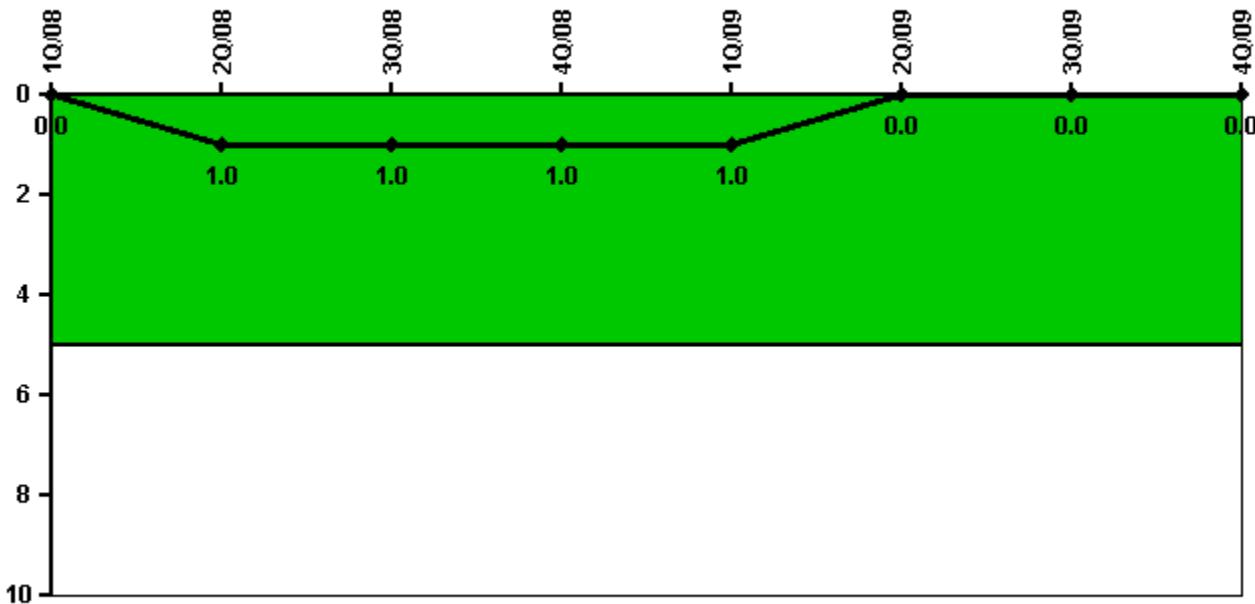
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



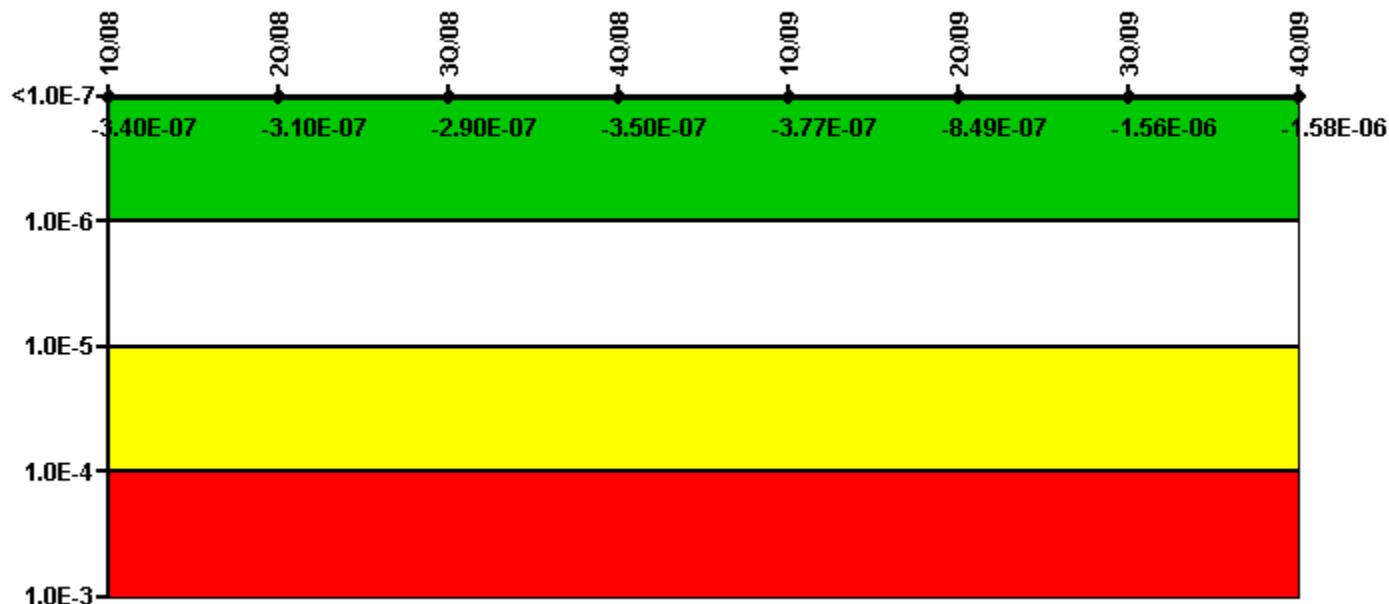
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Safety System Functional Failures	0	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



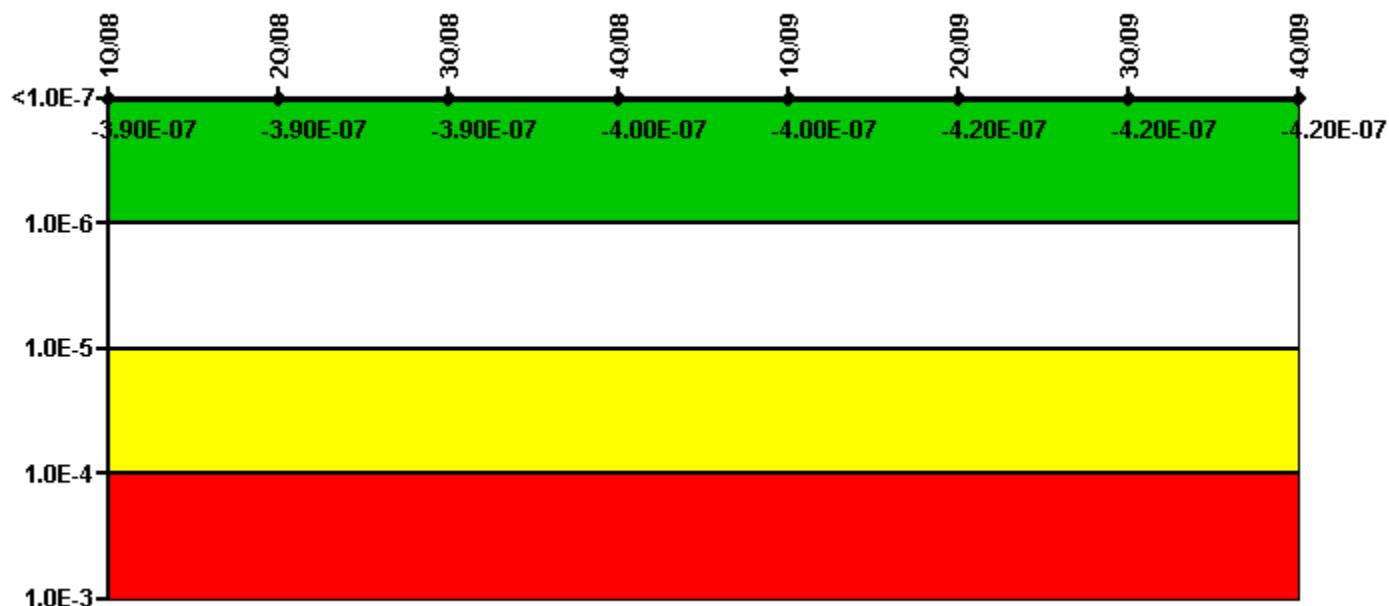
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	1.30E-07	1.50E-07	1.70E-07	1.10E-07	9.30E-08	9.10E-08	4.50E-08	2.00E-08
URI (Δ CDF)	-4.70E-07	-4.60E-07	-4.60E-07	-4.60E-07	-4.70E-07	-9.40E-07	-1.60E-06	-1.60E-06
PLE	NO							
Indicator value	-3.40E-07	-3.10E-07	-2.90E-07	-3.50E-07	-3.77E-07	-8.49E-07	-1.56E-06	-1.58E-06

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



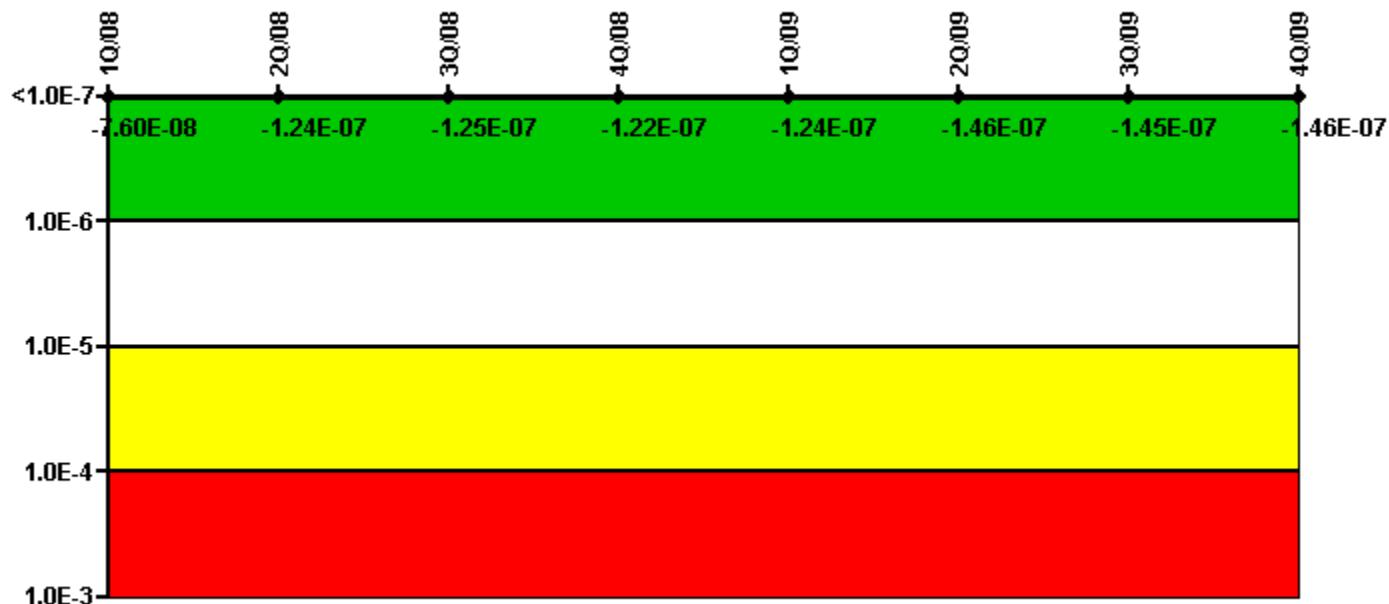
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF)	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.70E-07	-1.70E-07	-1.70E-07
URI (Δ CDF)	-2.40E-07	-2.40E-07	-2.40E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07
PLE	NO							
Indicator value	-3.90E-07	-3.90E-07	-3.90E-07	-4.00E-07	-4.00E-07	-4.20E-07	-4.20E-07	-4.20E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



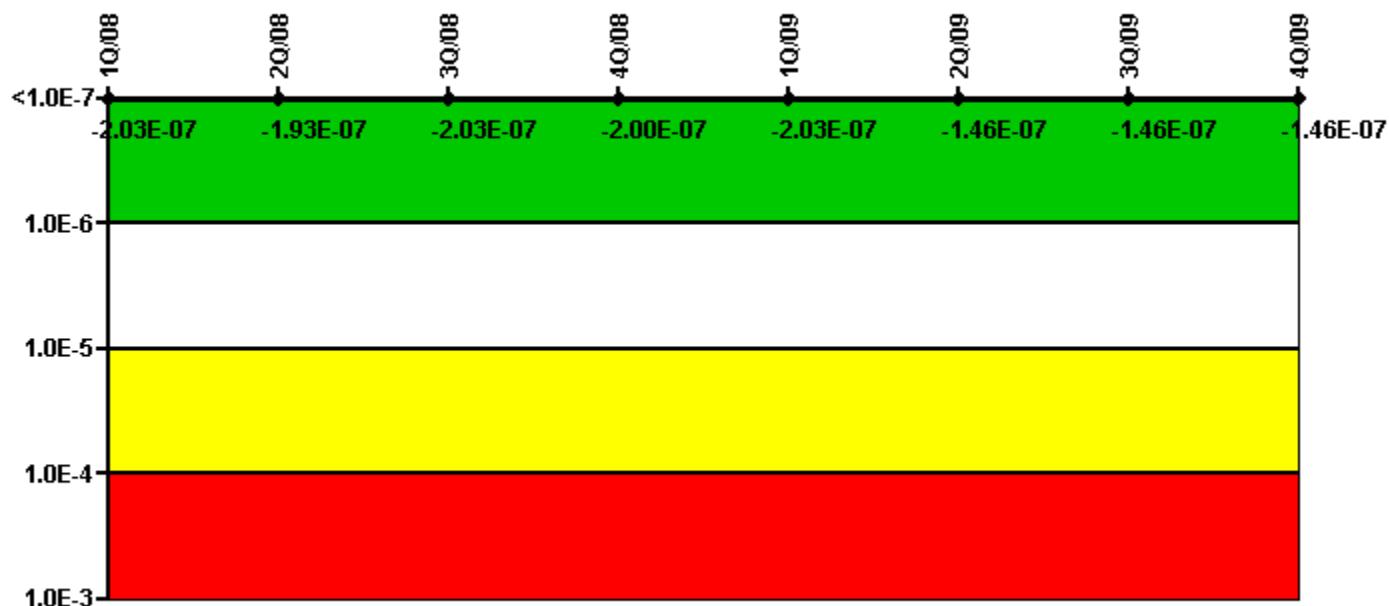
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	3.40E-08	-2.40E-08	-2.50E-08	-2.20E-08	-2.40E-08	-2.60E-08	-2.50E-08	-2.60E-08
URI (Δ CDF)	-1.10E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.20E-07	-1.20E-07	-1.20E-07
PLE	NO							
Indicator value	-7.60E-08	-1.24E-07	-1.25E-07	-1.22E-07	-1.24E-07	-1.46E-07	-1.45E-07	-1.46E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



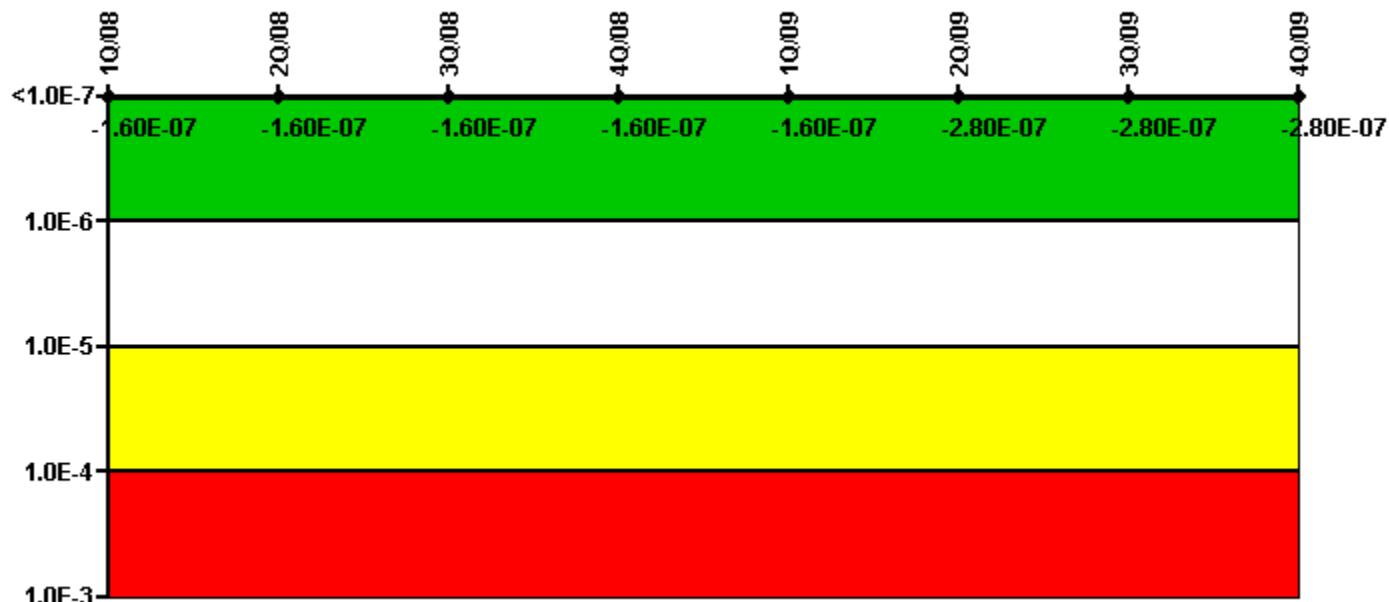
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	-2.30E-08	-2.30E-08	-2.30E-08	-2.00E-08	-2.30E-08	-1.60E-08	-1.60E-08	-1.60E-08
URI (Δ CDF)	-1.80E-07	-1.70E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.30E-07	-1.30E-07	-1.30E-07
PLE	NO							
Indicator value	-2.03E-07	-1.93E-07	-2.03E-07	-2.00E-07	-2.03E-07	-1.46E-07	-1.46E-07	-1.46E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



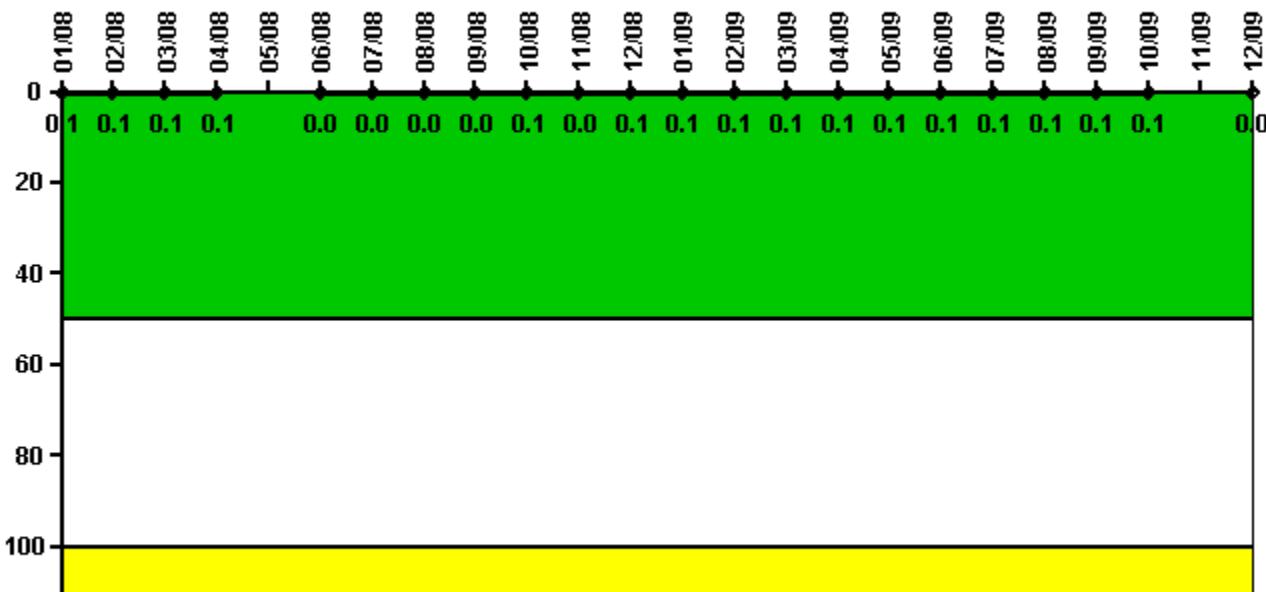
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	-3.00E-08	-3.00E-08	-3.00E-08
URI (Δ CDF)	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-2.50E-07	-2.50E-07	-2.50E-07
PLE	NO							
Indicator value	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-2.80E-07	-2.80E-07	-2.80E-07

Licensee Comments: none

Reactor Coolant System Activity



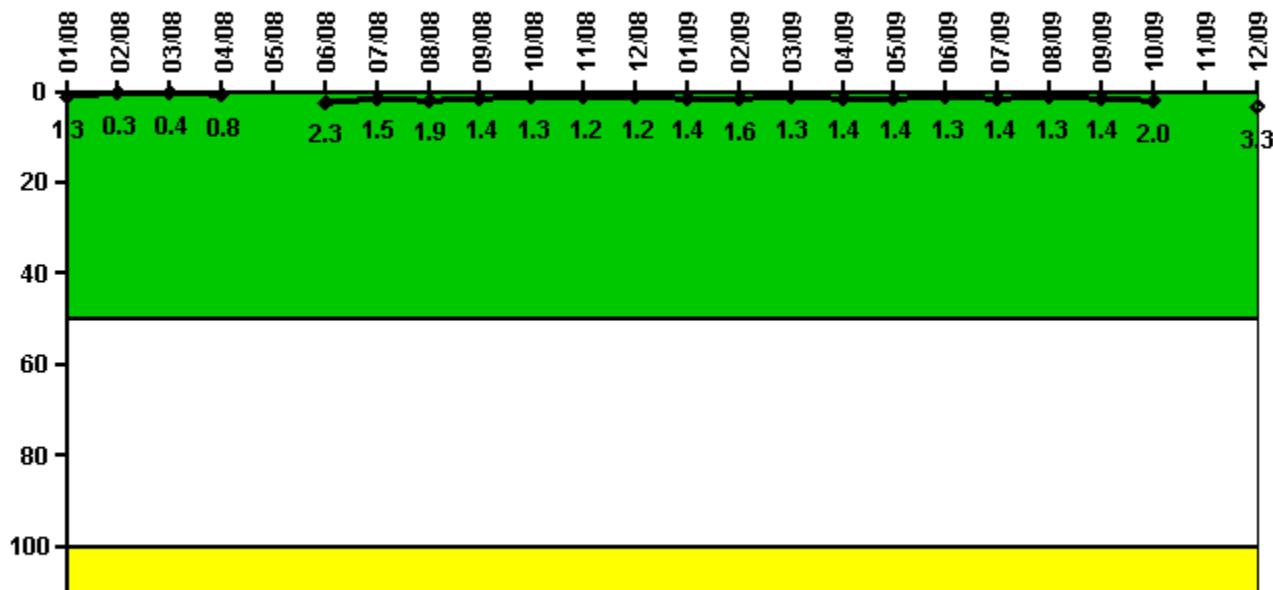
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum activity	0.001146	0.001155	0.001195	0.001238	N/A	0.000446	0.000466	0.000476	0.000485	0.000530	0.000493	0.000514
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	N/A	0	0	0	0	0.1	0	0.1
Reactor Coolant System Activity	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum activity	0.000518	0.000519	0.000547	0.000548	0.000565	0.000571	0.000585	0.000627	0.000615	0.000598	N/A	0.000221
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	N/A	0									

Licensee Comments: none

Reactor Coolant System Leakage



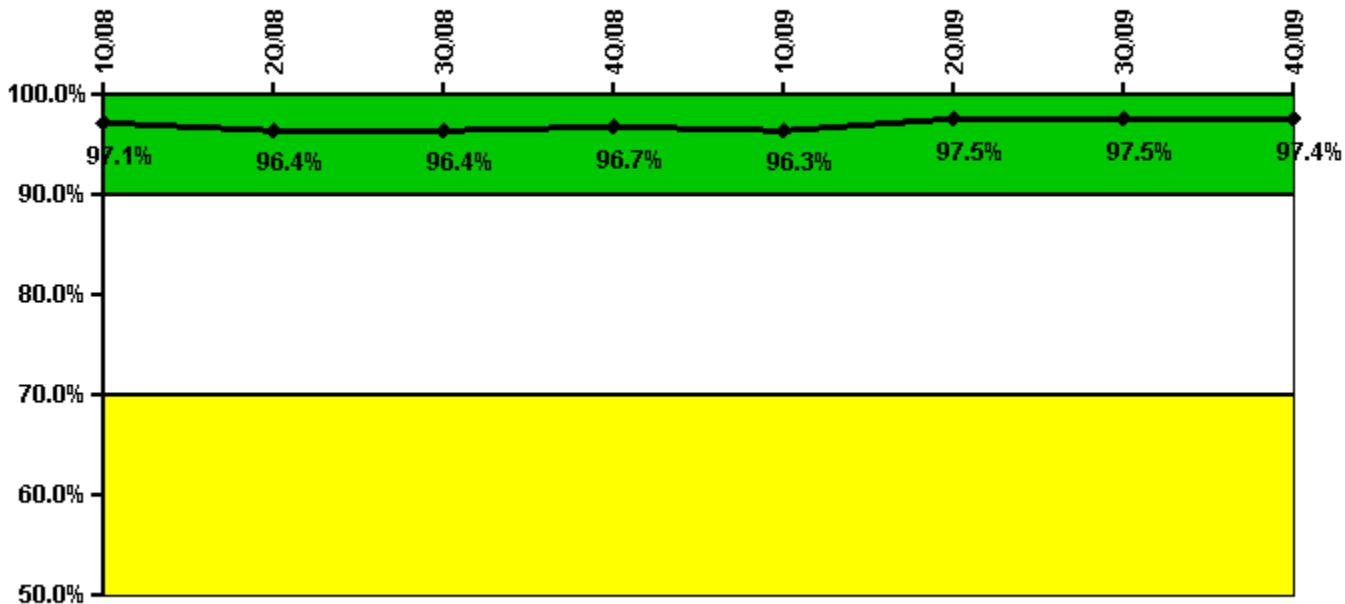
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum leakage	0.130	0.030	0.040	0.080	N/A	0.230	0.150	0.190	0.140	0.130	0.120	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.3	0.3	0.4	0.8	N/A	2.3	1.5	1.9	1.4	1.3	1.2	1.2
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	0.140	0.160	0.130	0.140	0.140	0.130	0.140	0.130	0.140	0.200	N/A	0.330
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.4	1.6	1.3	1.4	1.4	1.3	1.4	1.3	1.4	2.0	N/A	3.3

Licensee Comments: none

Drill/Exercise Performance



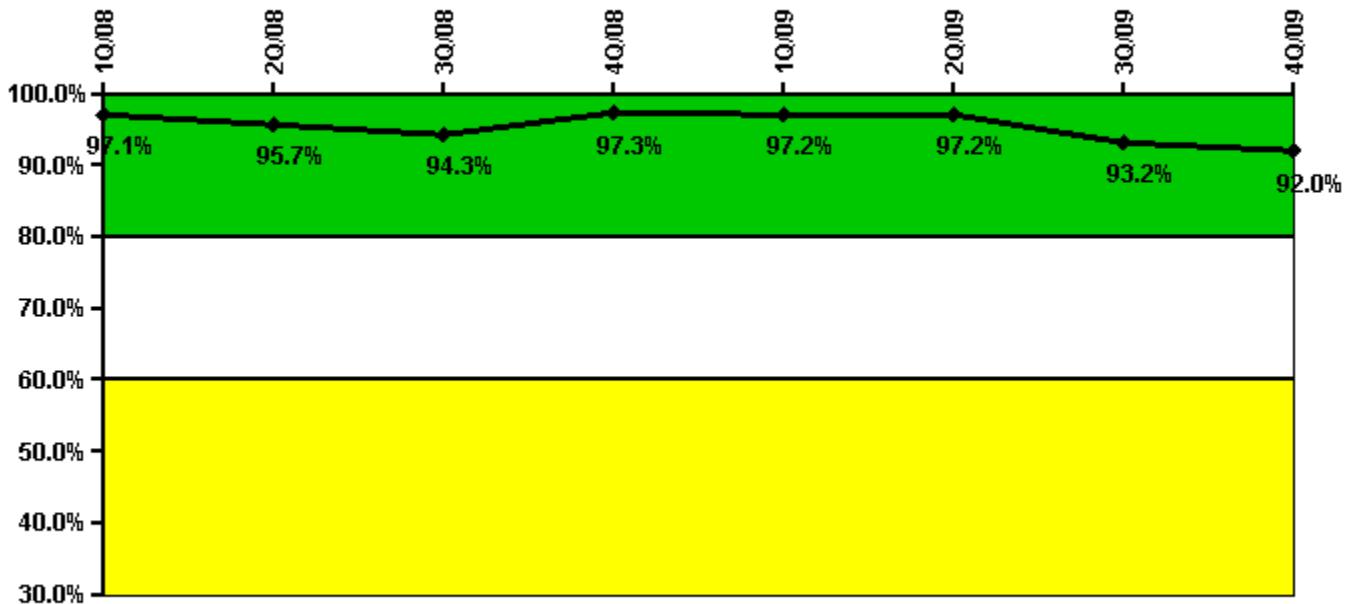
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful opportunities	39.0	0	25.0	16.0	11.0	24.0	35.0	2.0
Total opportunities	40.0	0	25.0	16.0	12.0	24.0	37.0	2.0
Indicator value	97.1%	96.4%	96.4%	96.7%	96.3%	97.5%	97.5%	97.4%

Licensee Comments: none

ERO Drill Participation



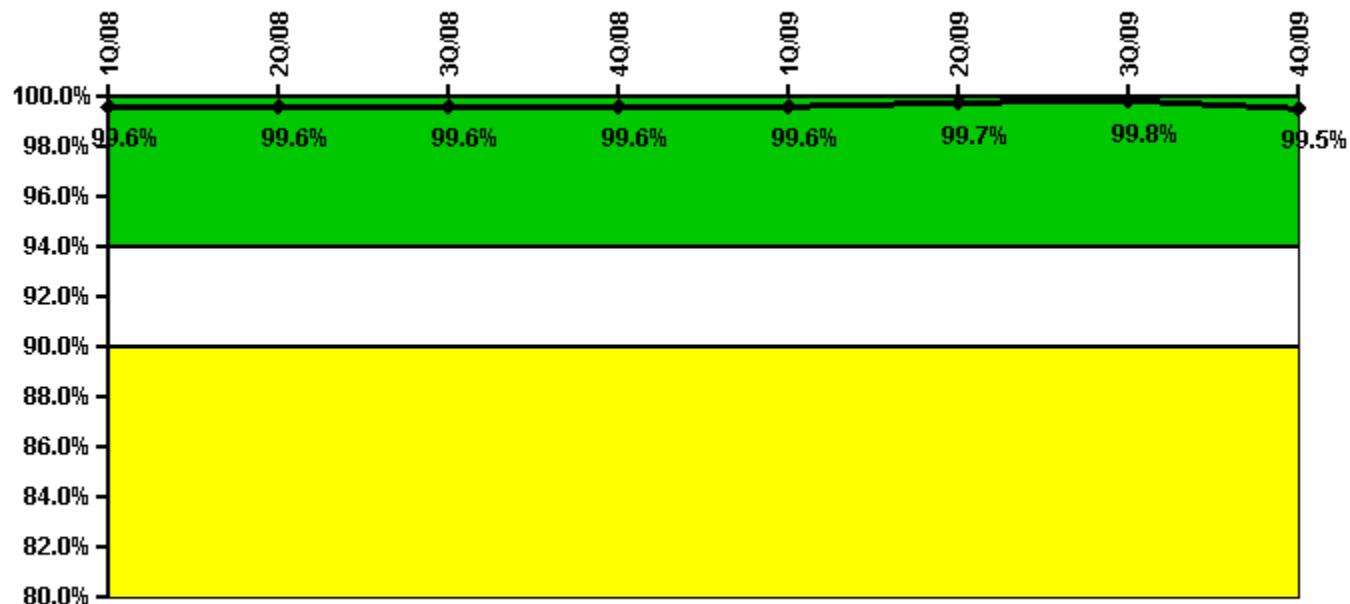
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Participating Key personnel	66.0	66.0	66.0	71.0	70.0	69.0	69.0	69.0
Total Key personnel	68.0	69.0	70.0	73.0	72.0	71.0	74.0	75.0
Indicator value	97.1%	95.7%	94.3%	97.3%	97.2%	97.2%	93.2%	92.0%

Licensee Comments: none

Alert & Notification System



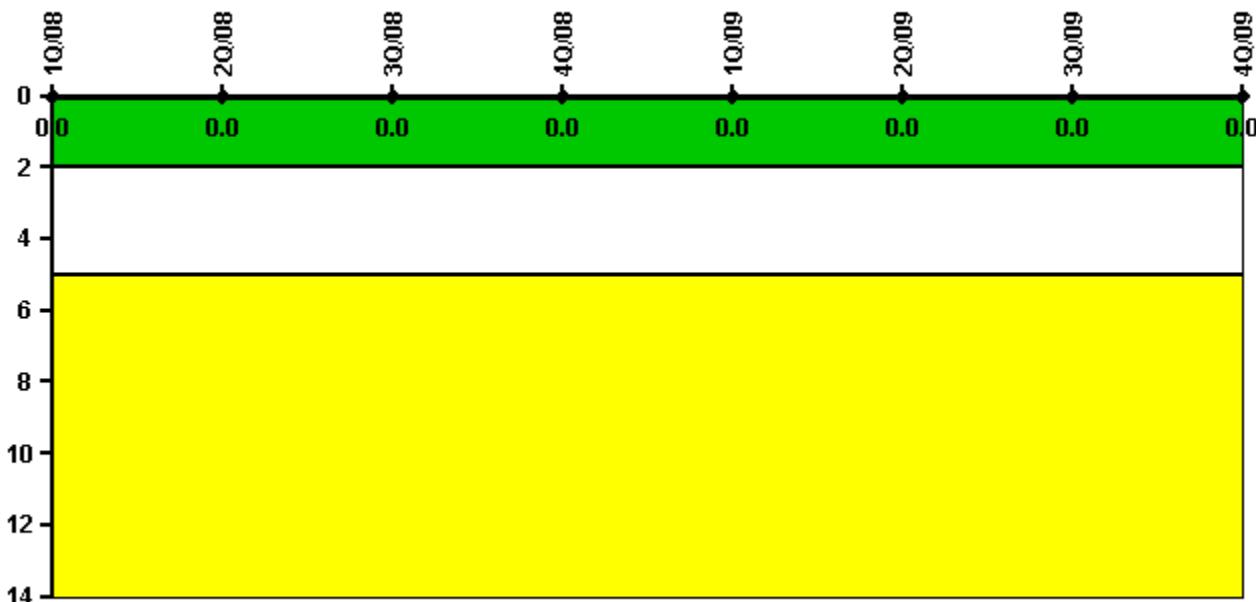
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful siren-tests	846	738	845	739	845	742	847	729
Total sirens-tests	848	742	848	742	848	742	848	742
Indicator value	99.6%	99.6%	99.6%	99.6%	99.6%	99.7%	99.8%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



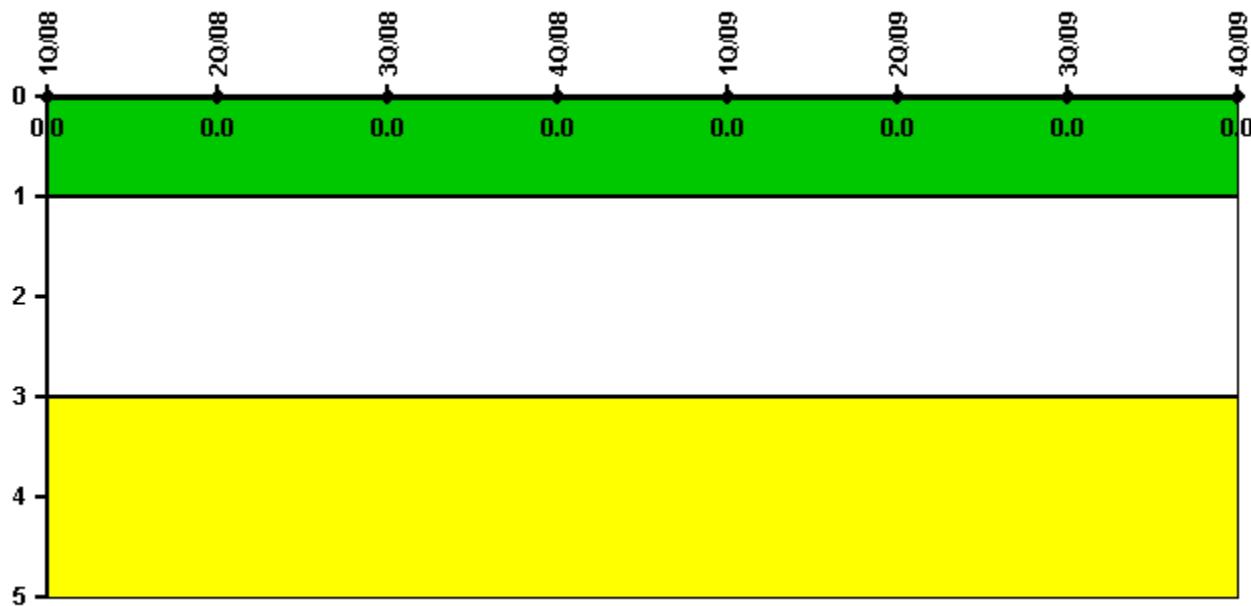
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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.



[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

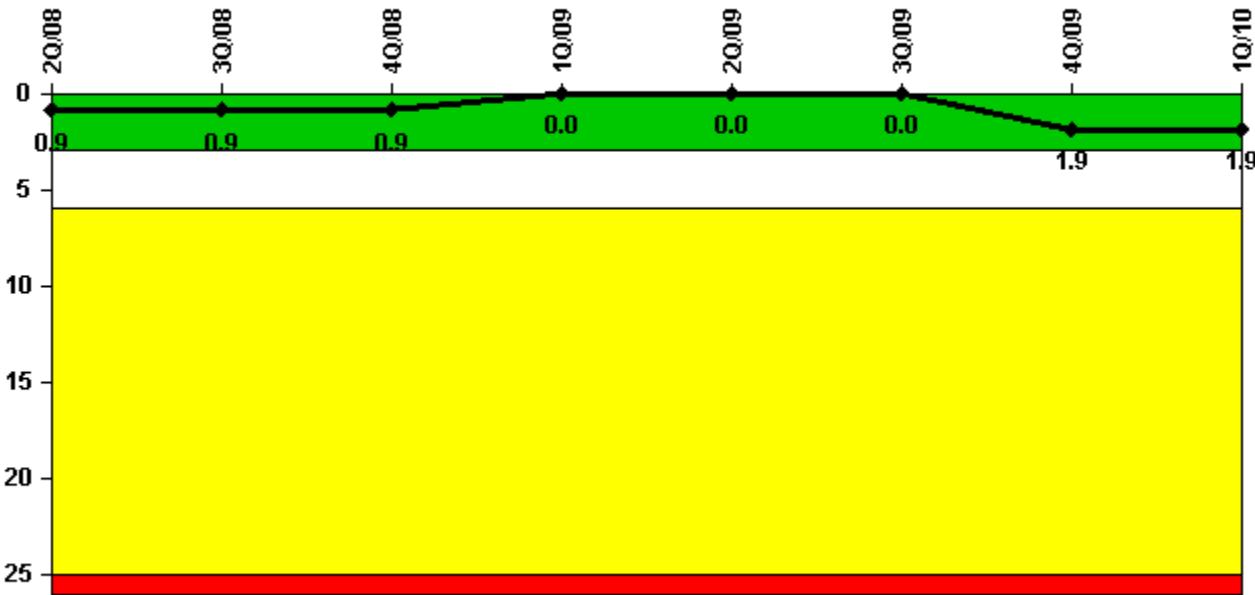
Last Modified: January 22, 2010

Summer

1Q/2010 Performance Indicators

Licensee's General Comments: Update comment section to reflect LER Number for 1st quarter SSFF.

Unplanned Scrams per 7000 Critical Hrs



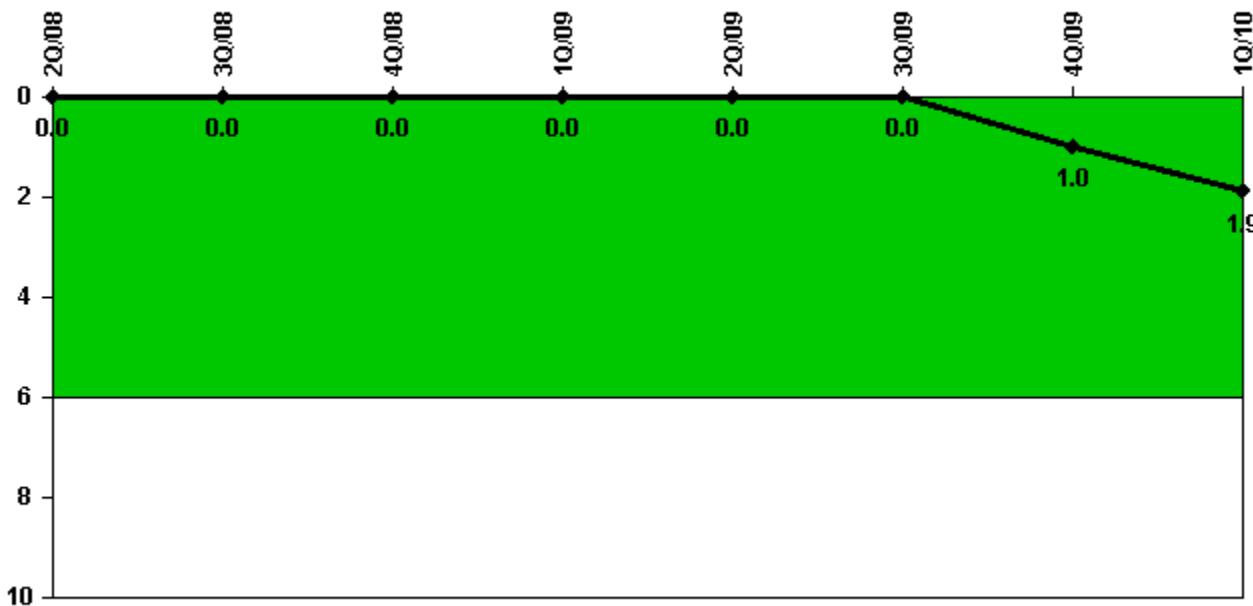
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0
Critical hours	1031.8	2208.0	2209.0	2159.0	2184.0	2208.0	688.6	2159.0
Indicator value	0.9	0.9	0.9	0	0	0	1.9	1.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

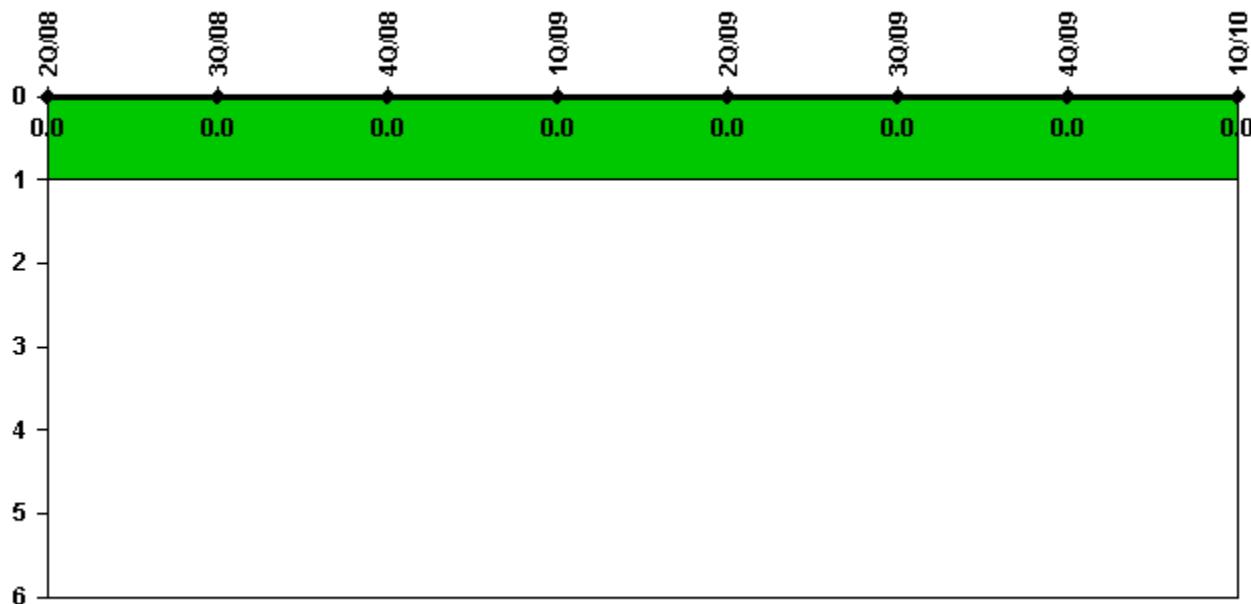
Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned power changes	0	0	0	0	0	0	1.0	1.0
Critical hours	1031.8	2208.0	2209.0	2159.0	2184.0	2208.0	688.6	2159.0
Indicator value	0	0	0	0	0	0	1.0	1.9

Licensee Comments:

1Q/10: 2/4/2010 Plant power was reduced from 100% to 14% and generator breaker opened to repair switchyard air disconnect 8901.

Unplanned Scrams with Complications



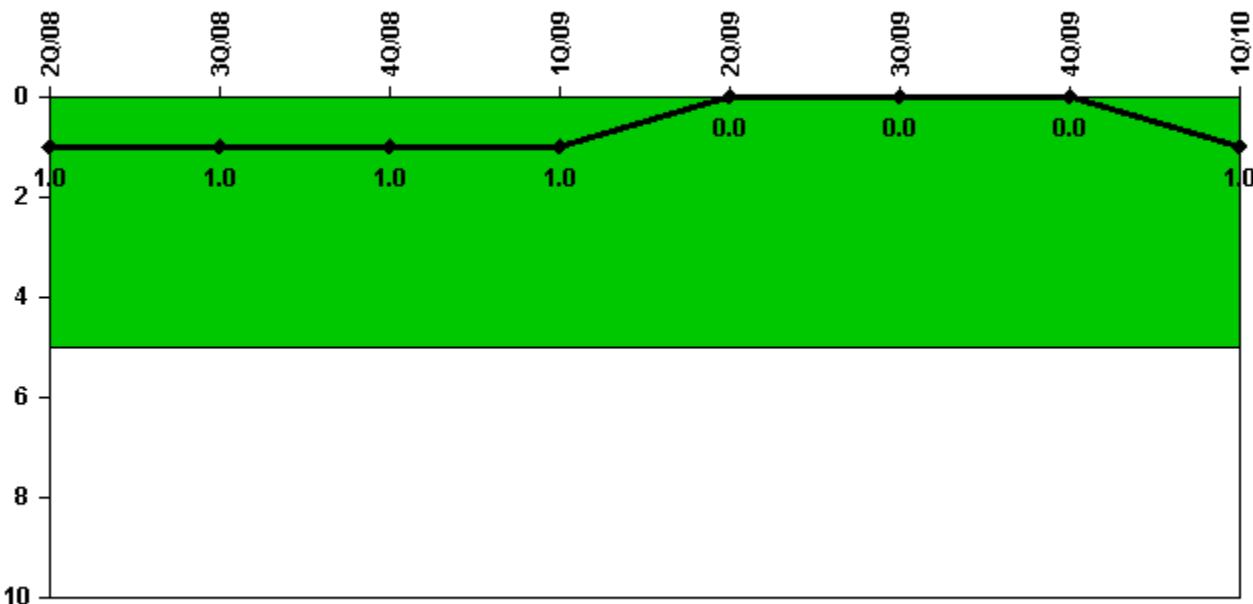
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

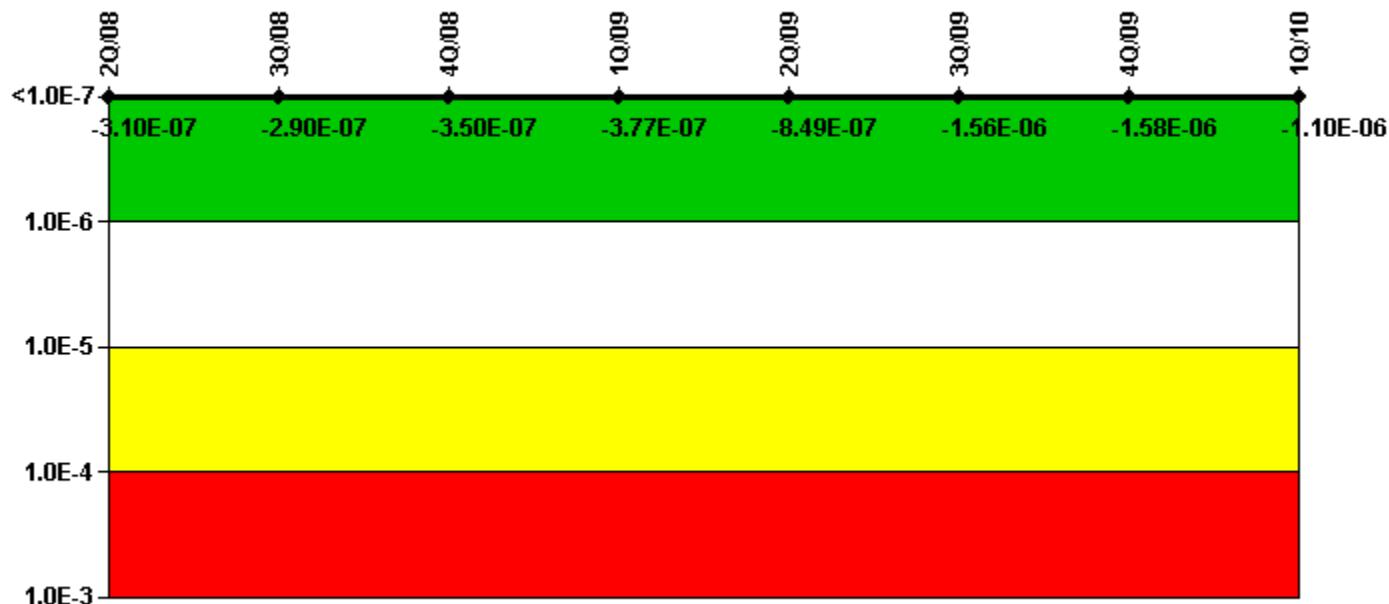
Notes

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

Licensee Comments:

1Q/10: Docket Number 05000395 LER Number 2009-3-0 outlines potential loss or Residual Heat Removal Safety Function in Mode 4 due to analyzed condition.

Mitigating Systems Performance Index, Emergency AC Power System



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

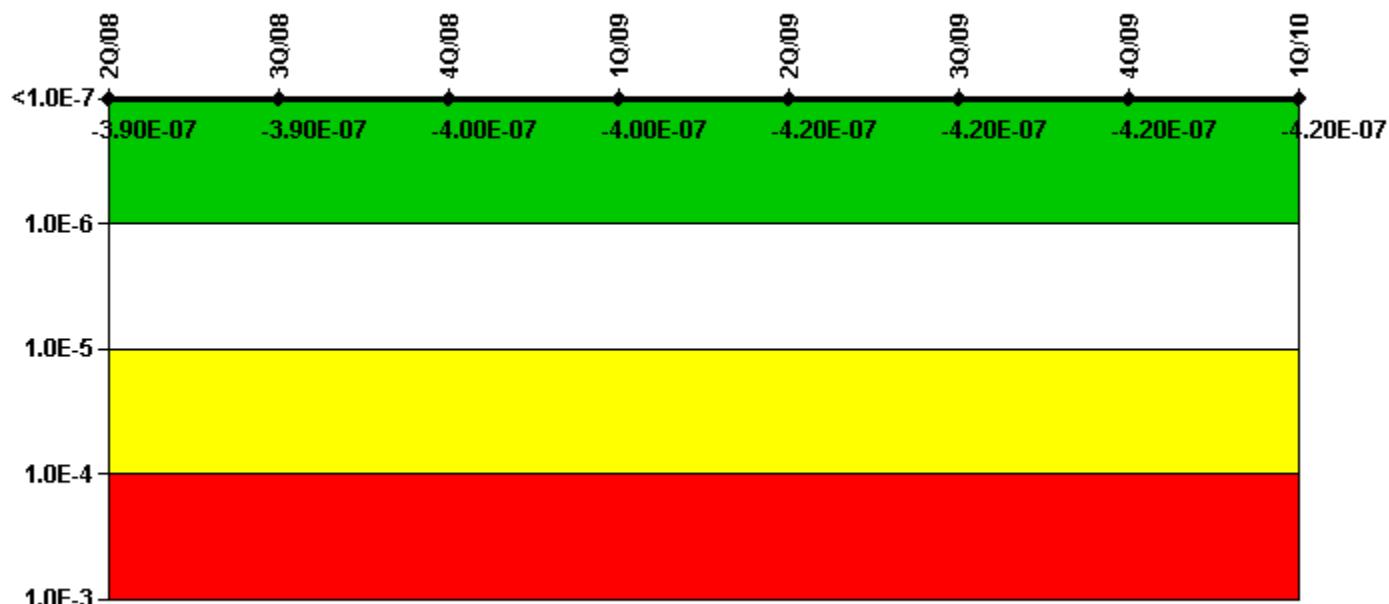
Notes

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 (Δ CDF)	1.50E-07	1.70E-07	1.10E-07	9.30E-08	9.10E-08	4.50E-08	2.00E-08	-3.97E-08
URI (Δ CDF)	-4.60E-07	-4.60E-07	-4.60E-07	-4.70E-07	-9.40E-07	-1.60E-06	-1.60E-06	-1.11E-06
PLE	NO							
Indicator value	-3.10E-07	-2.90E-07	-3.50E-07	-3.77E-07	-8.49E-07	-1.56E-06	-1.58E-06	-1.10E-06

Licensee Comments:

1Q/10: Risk Cap Invoked. An age related degradation of the elastomeric material in the mechanical seal of the "A" Diesel Generator Jacket Cooling Water Pump resulted in an estimated three gpm leakage. This required 16.3 hours of unplanned unavailability to repair.

Mitigating Systems Performance Index, High Pressure Injection System



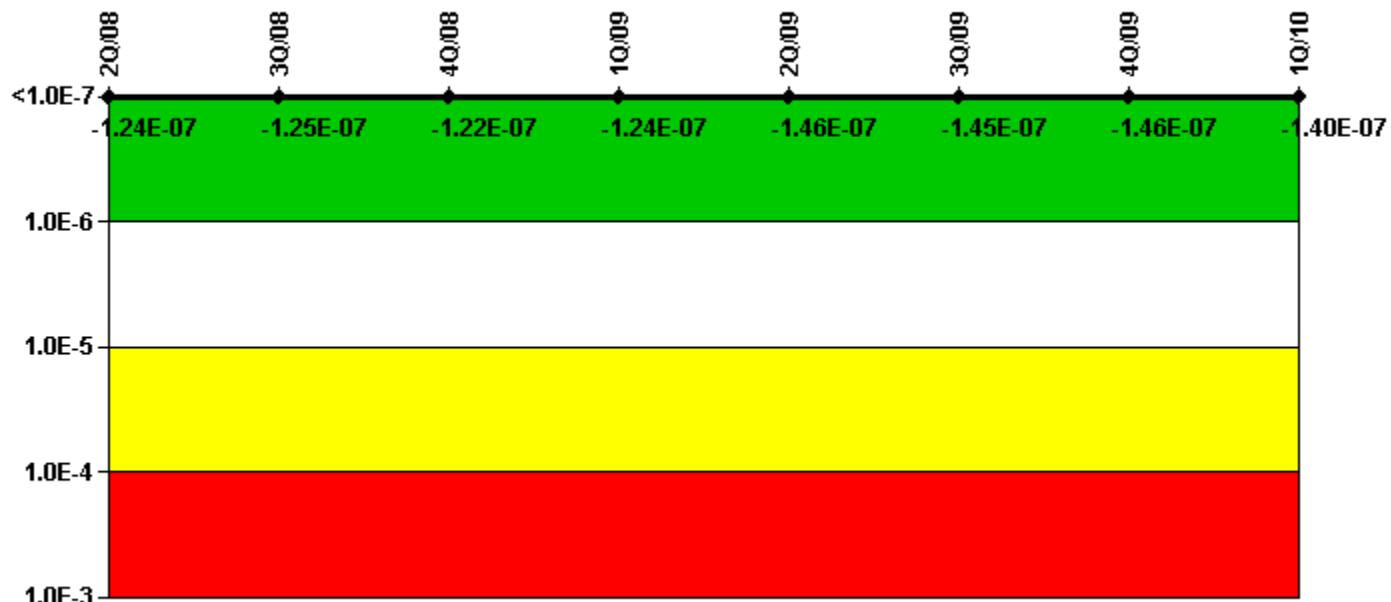
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF)	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.66E-07
URI (Δ CDF)	-2.40E-07	-2.40E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.54E-07
PLE	NO							
Indicator value	-3.90E-07	-3.90E-07	-4.00E-07	-4.00E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



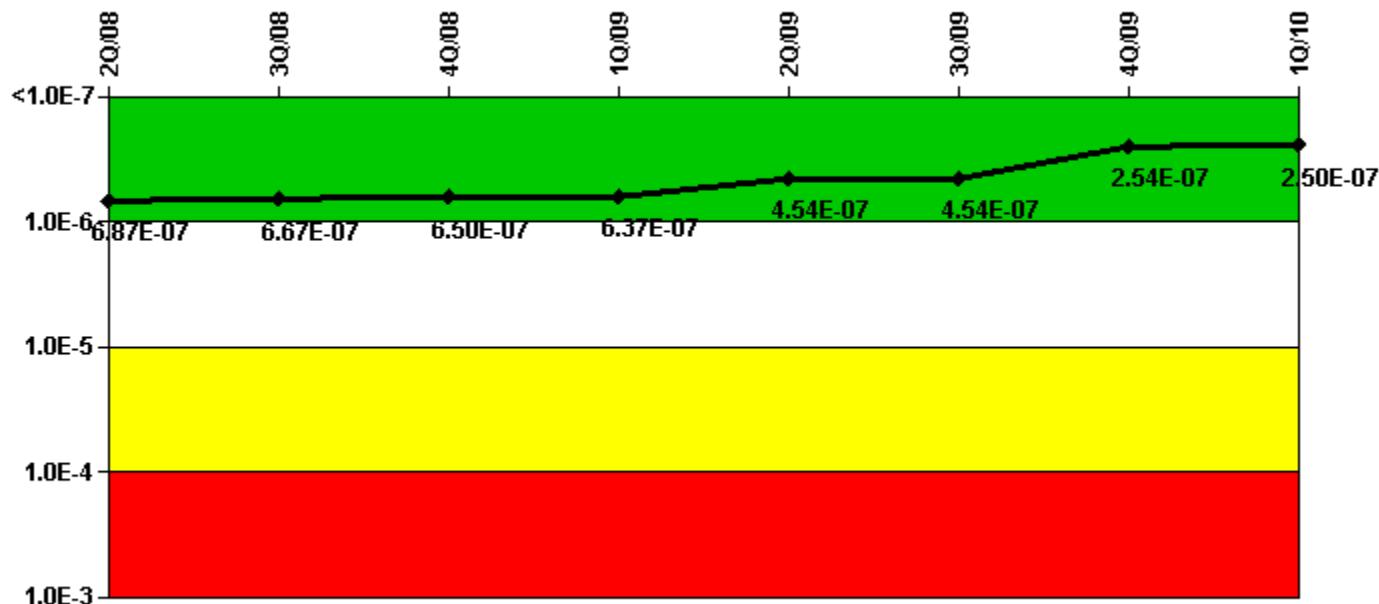
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	-2.40E-08	-2.50E-08	-2.20E-08	-2.40E-08	-2.60E-08	-2.50E-08	-2.60E-08	-2.63E-08
URI (Δ CDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.18E-07
PLE	NO							
Indicator value	-1.24E-07	-1.25E-07	-1.22E-07	-1.24E-07	-1.46E-07	-1.45E-07	-1.46E-07	-1.40E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	-2.30E-08	-2.30E-08	-2.00E-08	-2.30E-08	-1.60E-08	-1.60E-08	-1.60E-08	-1.60E-08
URI (Δ CDF)	7.10E-07	6.90E-07	6.70E-07	6.60E-07	4.70E-07	4.70E-07	2.70E-07	2.70E-07
PLE	NO							
Indicator value	6.87E-07	6.67E-07	6.50E-07	6.37E-07	4.54E-07	4.54E-07	2.54E-07	2.50E-07

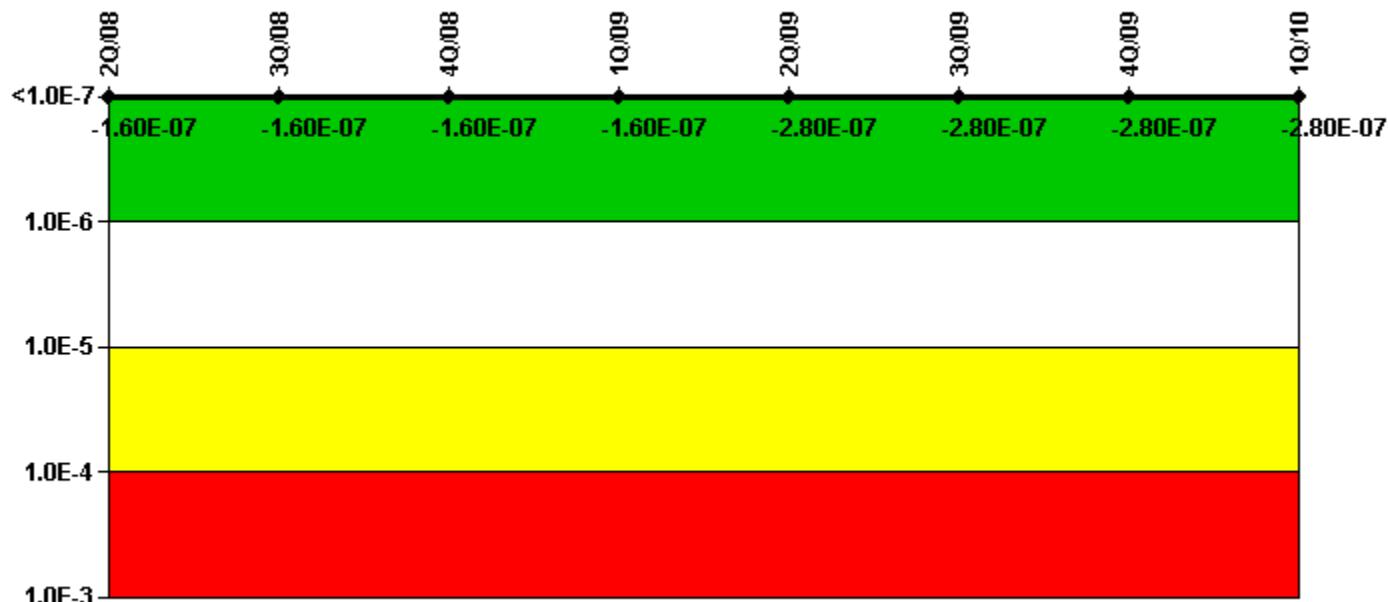
Licensee Comments:

2Q/09: A 2nd quarter 2009 PRA revision incorporated changes to initiating event frequencies, equipment history and human reliability analysis values. There were no scoping changes or major changes to modeling methodology.

4Q/07: Minor changes to PRA parameters, based on PRA model revision 5a for improved modeling of a non-MSPI system and human reliability dependency multipliers.

3Q/07: Periodic review of PRA model resulted in 0.05% change in Core Damage Frequency

Mitigating Systems Performance Index, Cooling Water Systems



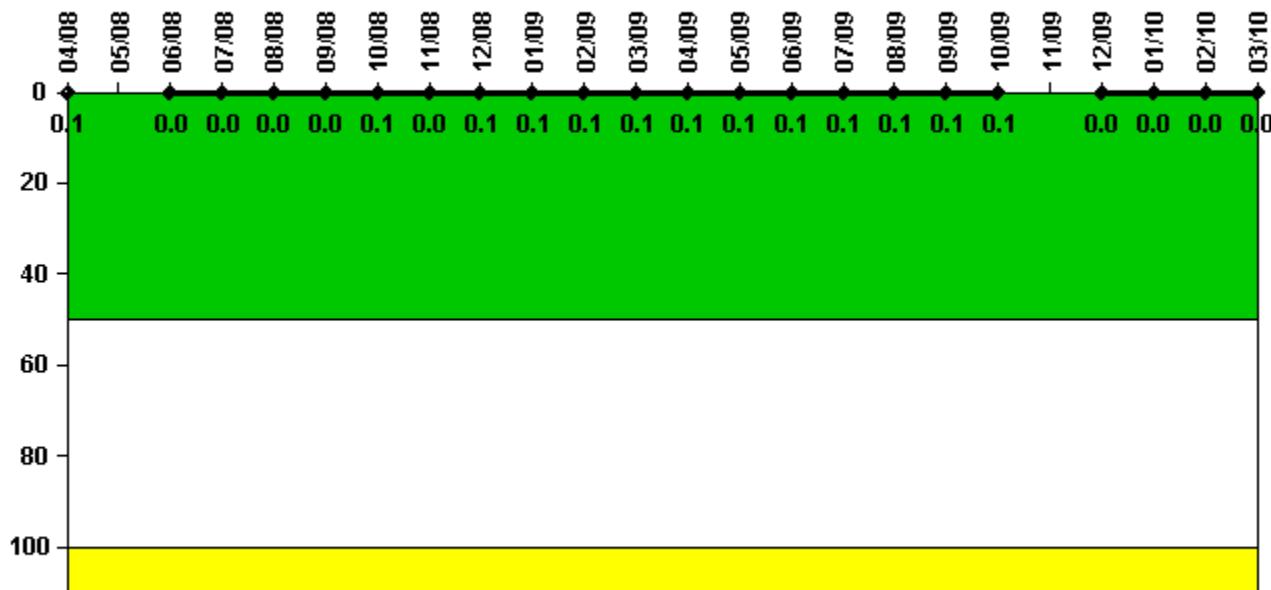
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF)	1.00E-08	1.00E-08	1.00E-08	1.00E-08	-3.00E-08	-3.00E-08	-3.00E-08	-3.00E-08
URI (Δ CDF)	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.48E-07
PLE	NO							
Indicator value	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

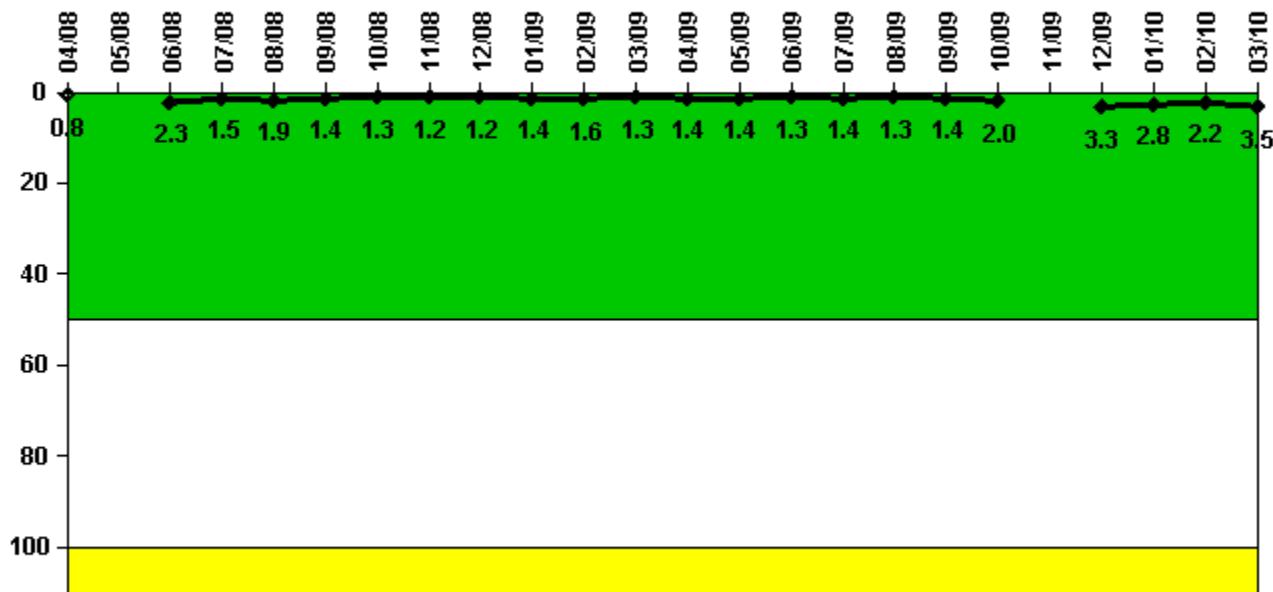
Notes

Reactor Coolant System Activity	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum activity	0.001238	N/A	0.000446	0.000466	0.000476	0.000485	0.000530	0.000493	0.000514	0.000518	0.000519	0.000547
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	N/A	0	0	0	0	0.1	0	0.1	0.1	0.1	0.1

Reactor Coolant System Activity	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum activity	0.000548	0.000565	0.000571	0.000585	0.000627	0.000615	0.000598	N/A	0.000221	0.000203	0.000208	0.000214
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



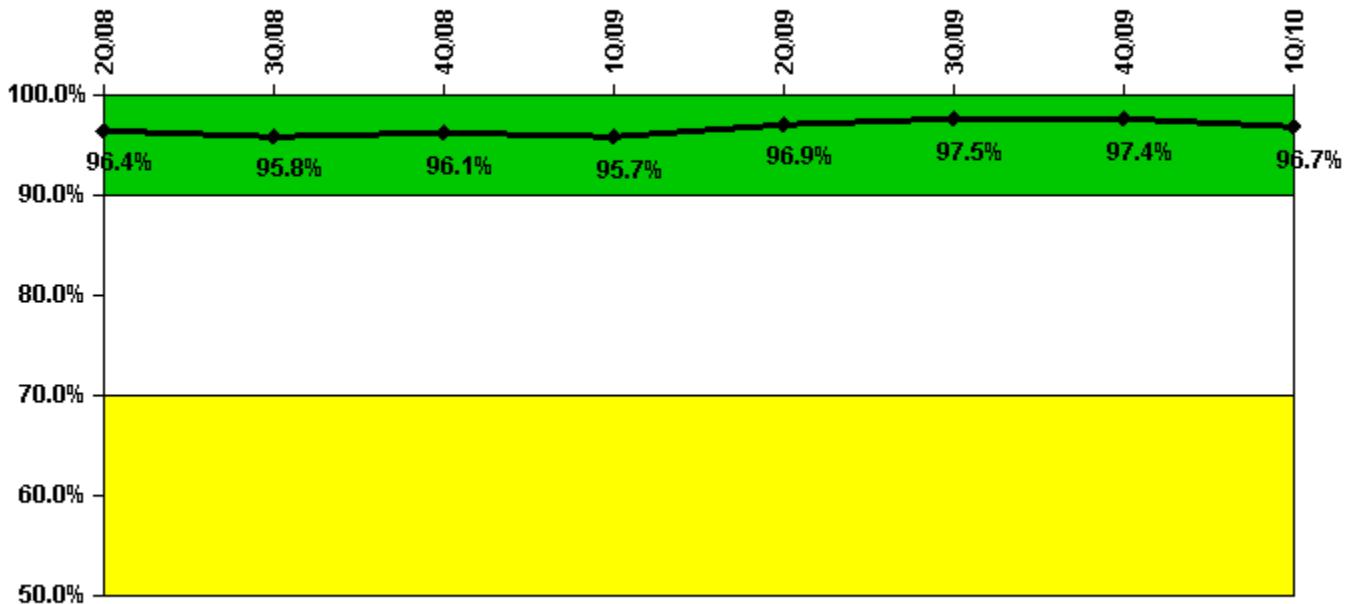
Thresholds: White > 50.0 Yellow > 100.0

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	0.080	N/A	0.230	0.150	0.190	0.140	0.130	0.120	0.120	0.140	0.160	0.130
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.8	N/A	2.3	1.5	1.9	1.4	1.3	1.2	1.2	1.4	1.6	1.3
Reactor Coolant System Leakage	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum leakage	0.140	0.140	0.130	0.140	0.130	0.140	0.200	N/A	0.330	0.280	0.220	0.350
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.4	1.4	1.3	1.4	1.3	1.4	2.0	N/A	3.3	2.8	2.2	3.5

Licensee Comments: none

Drill/Exercise Performance



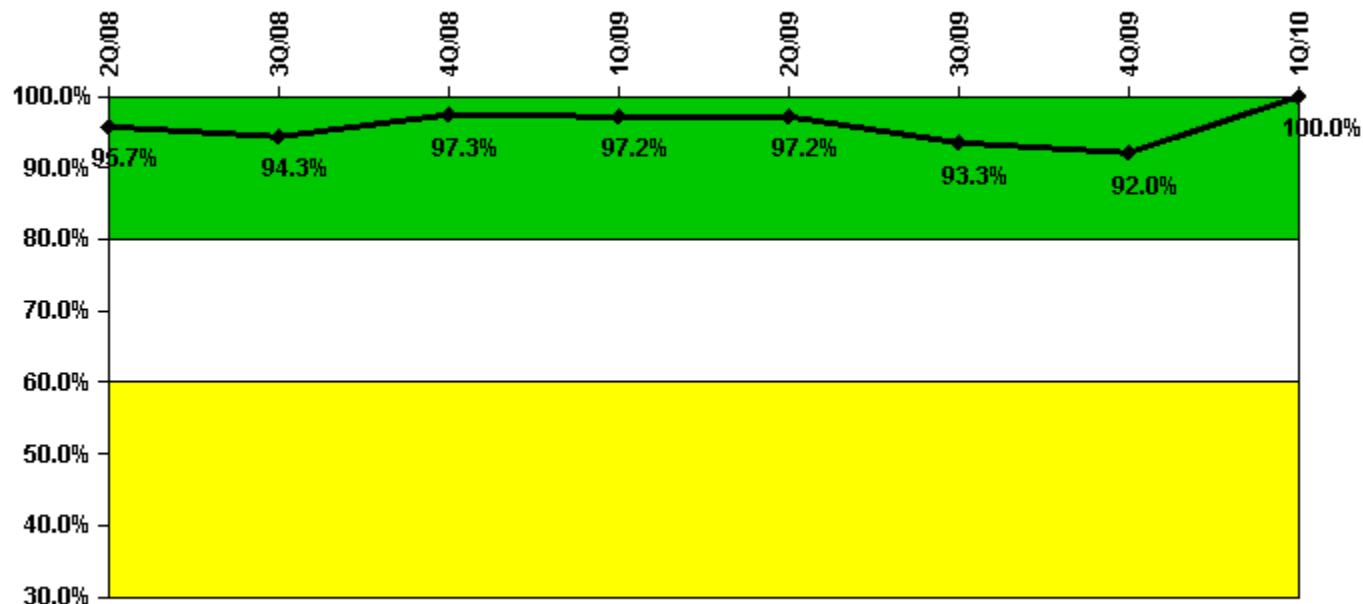
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful opportunities	0	24.0	16.0	11.0	24.0	31.0	2.0	38.0
Total opportunities	0	25.0	16.0	12.0	24.0	32.0	2.0	40.0
Indicator value	96.4%	95.8%	96.1%	95.7%	96.9%	97.5%	97.4%	96.7%

Licensee Comments: none

ERO Drill Participation



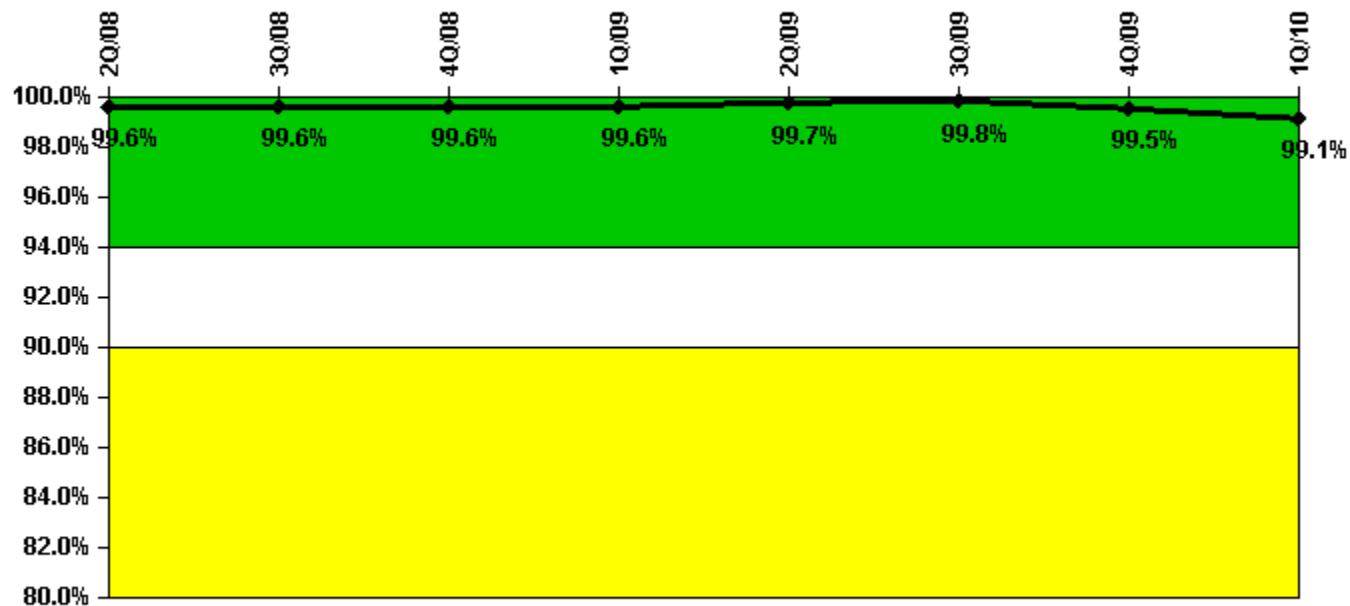
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Participating Key personnel	66.0	66.0	71.0	70.0	69.0	70.0	69.0	71.0
Total Key personnel	69.0	70.0	73.0	72.0	71.0	75.0	75.0	71.0
Indicator value	95.7%	94.3%	97.3%	97.2%	97.2%	93.3%	92.0%	100.0%

Licensee Comments: none

Alert & Notification System



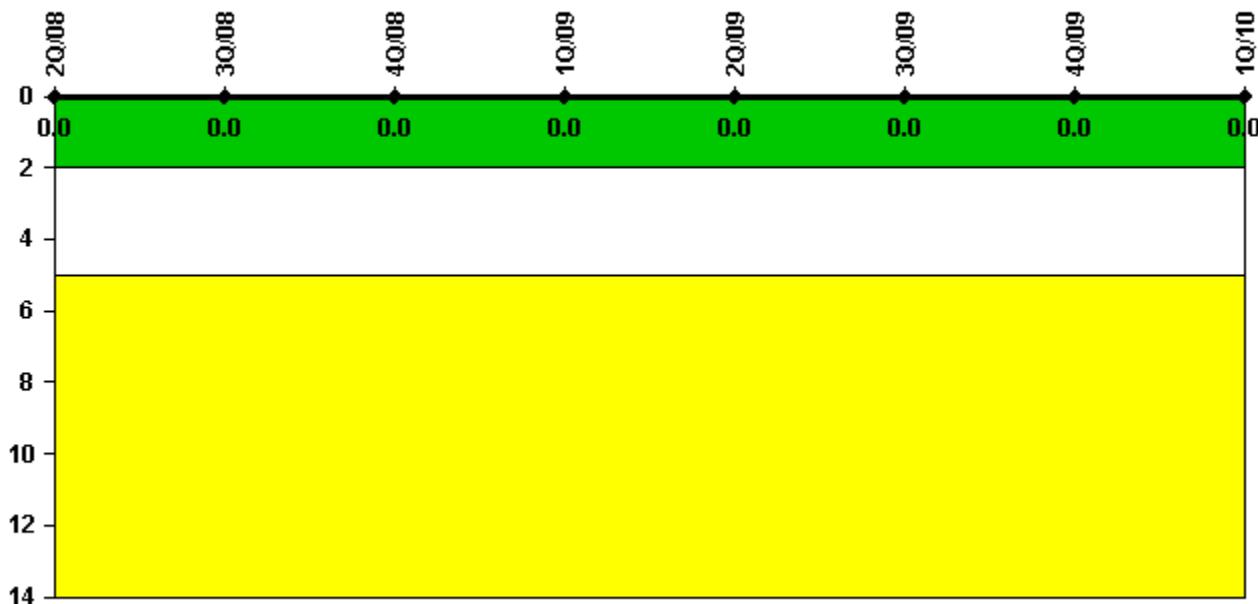
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful siren-tests	738	845	739	845	742	847	729	833
Total sirens-tests	742	848	742	848	742	848	742	848
Indicator value	99.6%	99.6%	99.6%	99.6%	99.7%	99.8%	99.5%	99.1%

Licensee Comments: none

Occupational Exposure Control Effectiveness



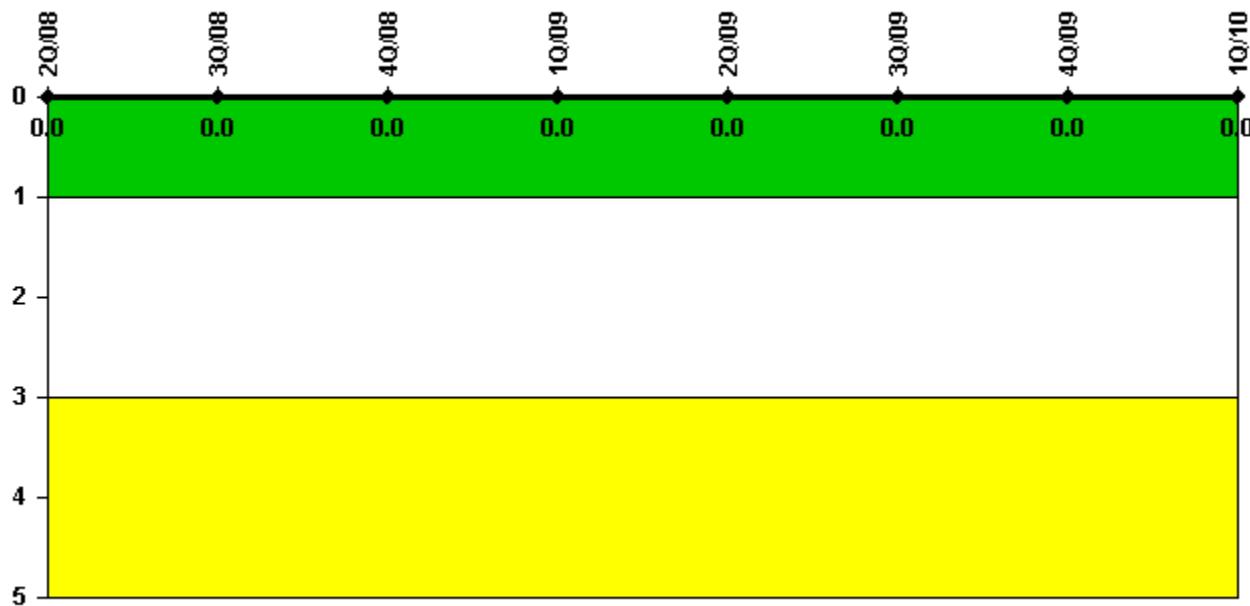
Thresholds: White > 2.0 Yellow > 5.0

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							

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.



[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

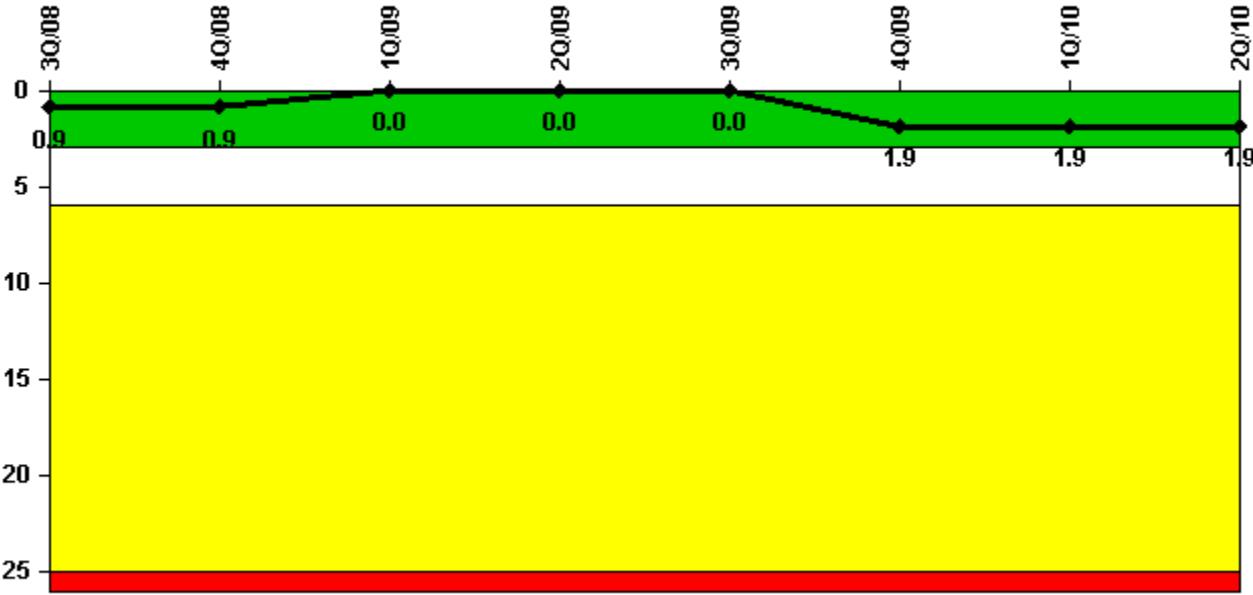
Last Modified: June 2, 2010

Summer

2Q/2010 Performance Indicators

Licensee's General Comments: PRA production data inadvertently changes while performing "What If" analysis. PRA production data subsequently revised to reflect correct data.

Unplanned Scrams per 7000 Critical Hrs



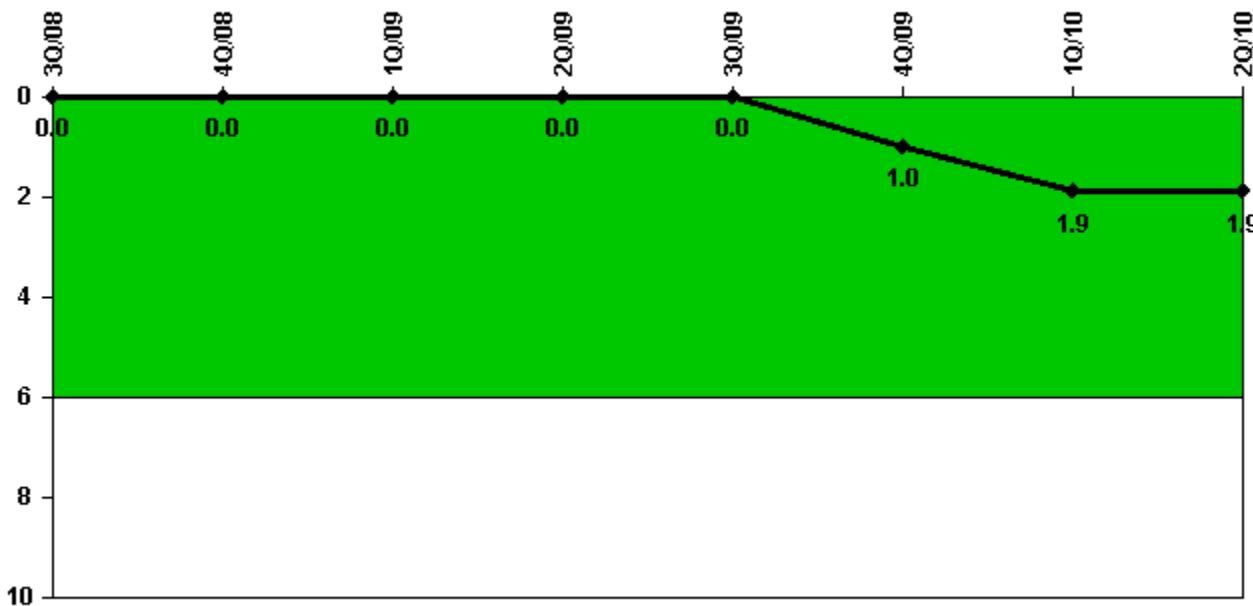
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	688.6	2159.0	2184.0
Indicator value	0.9	0.9	0	0	0	1.9	1.9	1.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



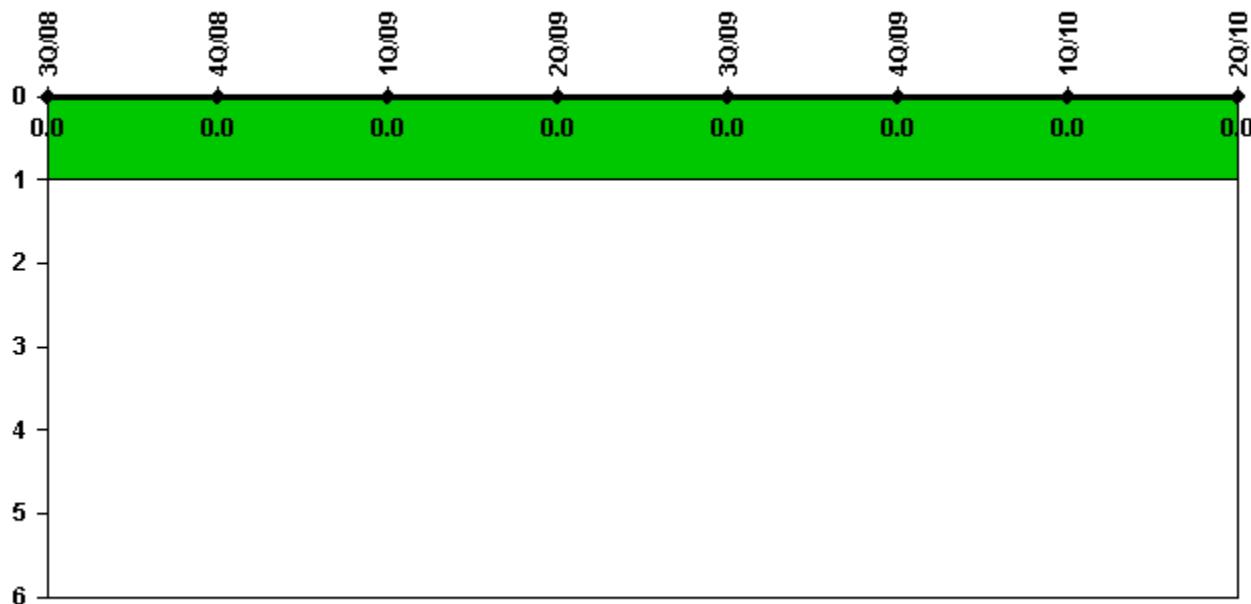
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned power changes	0	0	0	0	0	1.0	1.0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	688.6	2159.0	2184.0
Indicator value	0	0	0	0	0	1.0	1.9	1.9

Licensee Comments: none

Unplanned Scrams with Complications



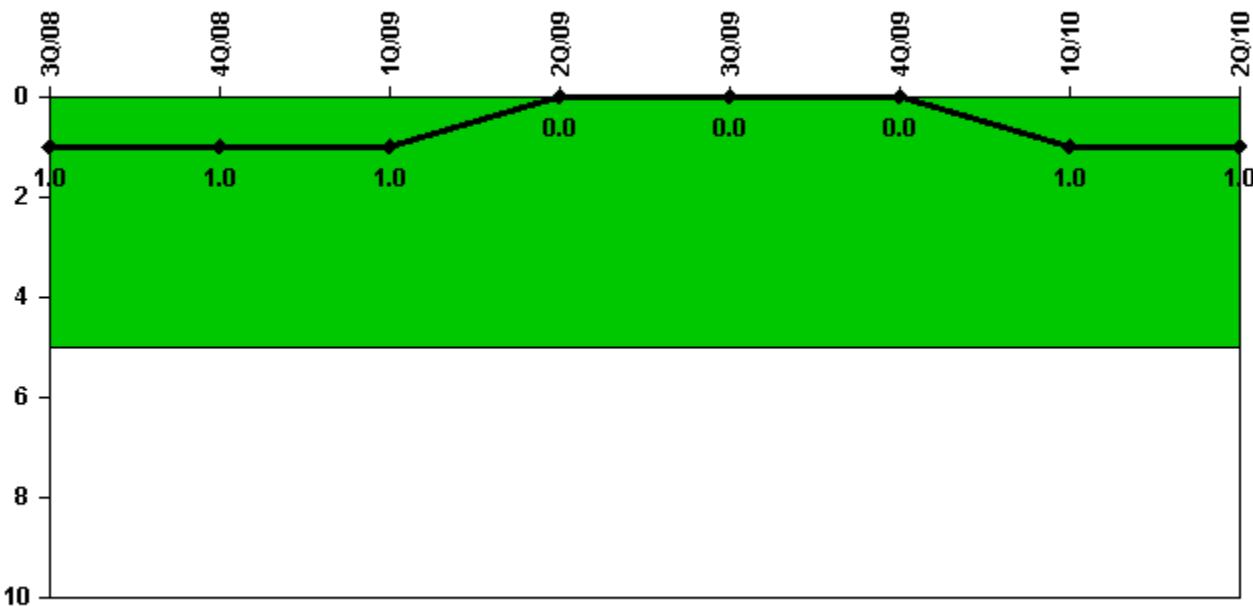
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

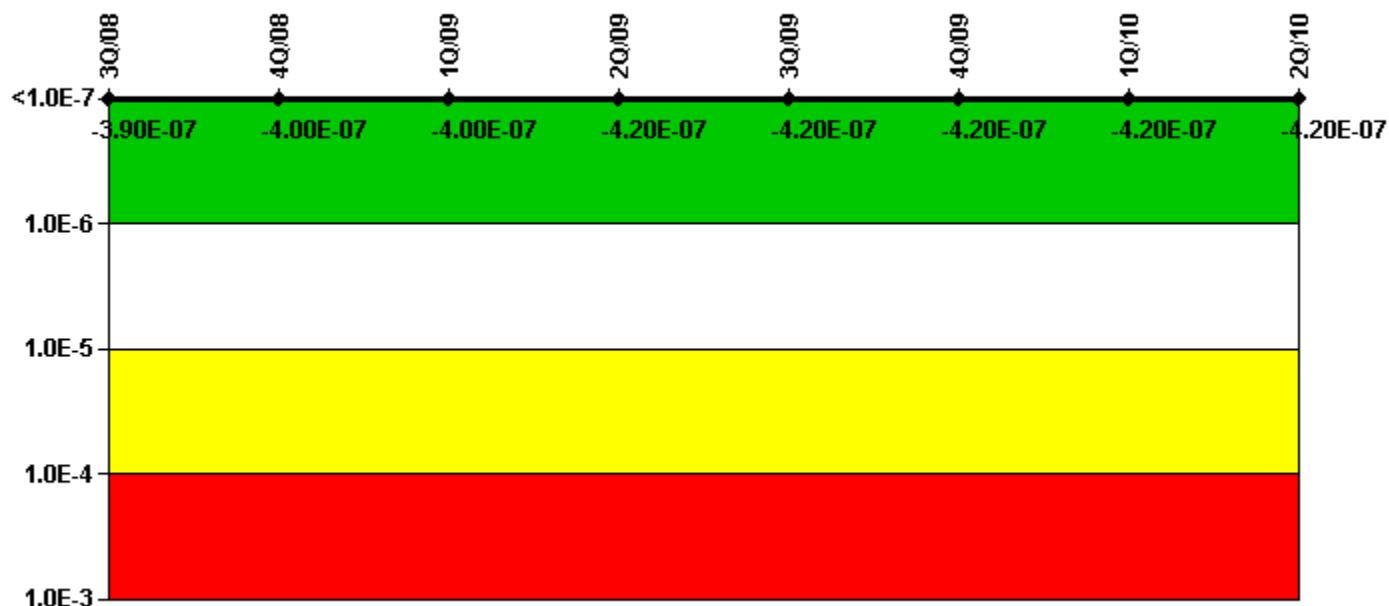
Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	1.70E-07	1.10E-07	9.30E-08	9.10E-08	4.50E-08	2.00E-08	-3.97E-08	3.57E-07
URI (Δ CDF)	-4.60E-07	-4.60E-07	-4.70E-07	-9.40E-07	-1.60E-06	-1.60E-06	-1.11E-06	-1.11E-06
PLE	NO							
Indicator value	-2.90E-07	-3.50E-07	-3.77E-07	-8.49E-07	-1.56E-06	-1.58E-06	-1.10E-06	-7.50E-07

Licensee Comments:

2Q/10: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



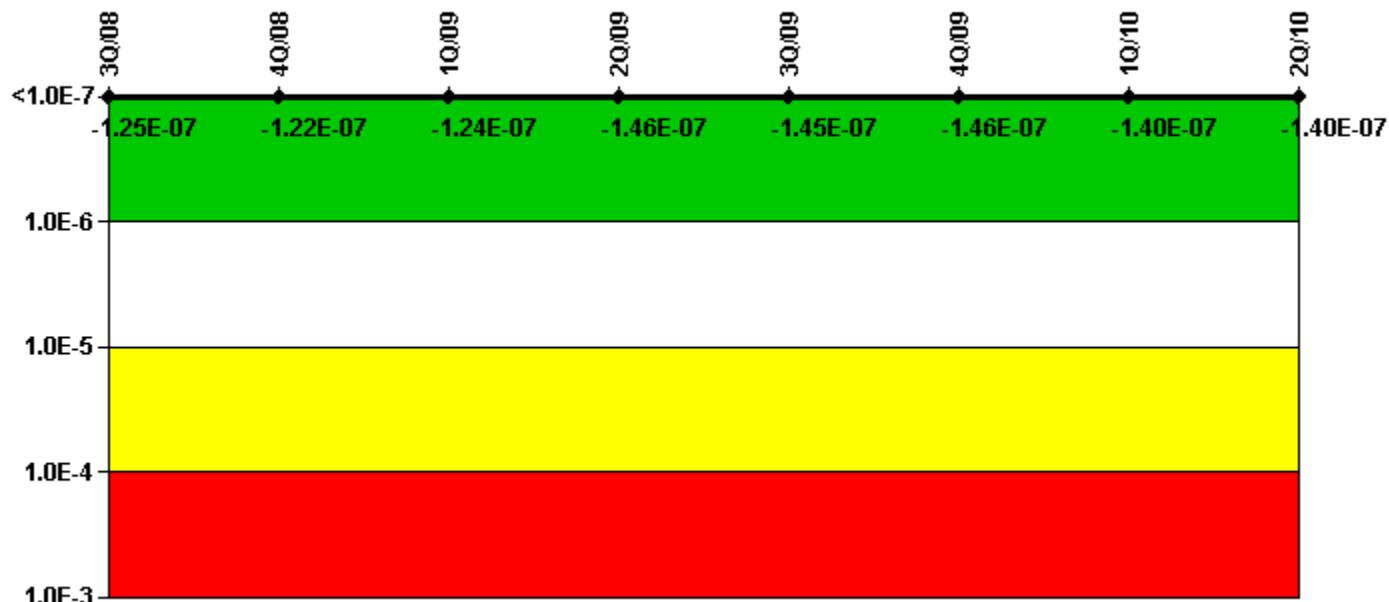
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF)	-1.50E-07	-1.50E-07	-1.50E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.66E-07	-1.66E-07
URI (Δ CDF)	-2.40E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.54E-07	-2.54E-07
PLE	NO							
Indicator value	-3.90E-07	-4.00E-07	-4.00E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



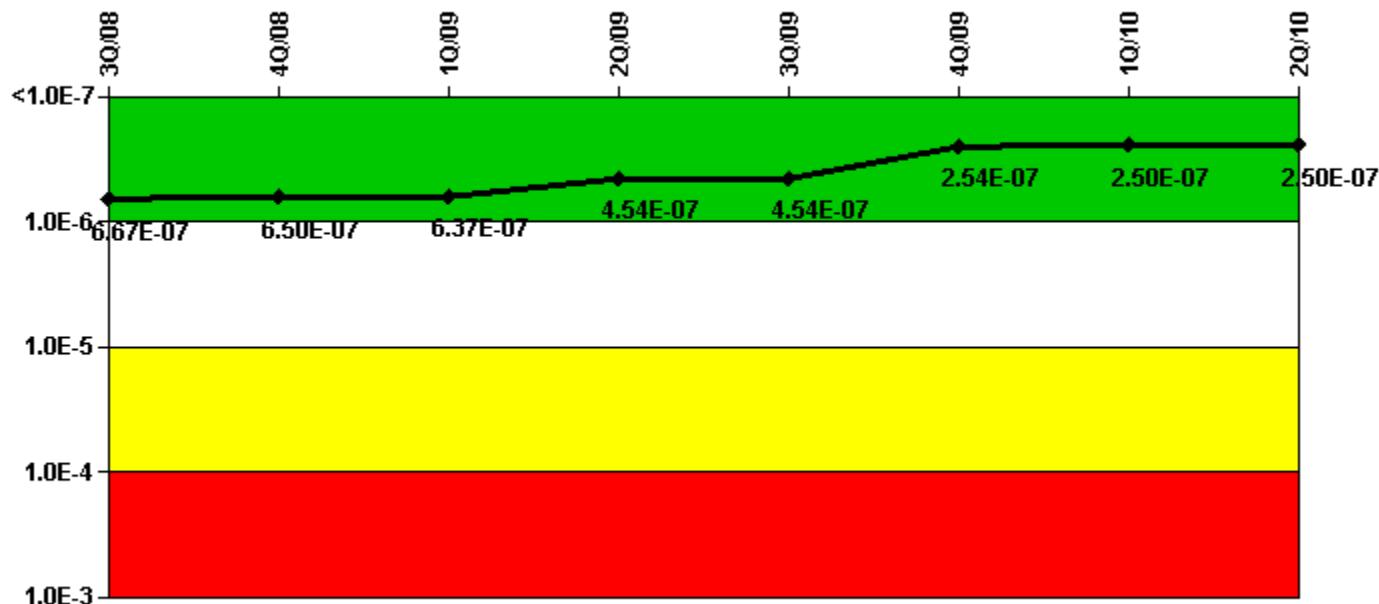
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	-2.50E-08	-2.20E-08	-2.40E-08	-2.60E-08	-2.50E-08	-2.60E-08	-2.63E-08	-2.50E-08
URI (Δ CDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.18E-07	-1.18E-07
PLE	NO							
Indicator value	-1.25E-07	-1.22E-07	-1.24E-07	-1.46E-07	-1.45E-07	-1.46E-07	-1.40E-07	-1.40E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



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

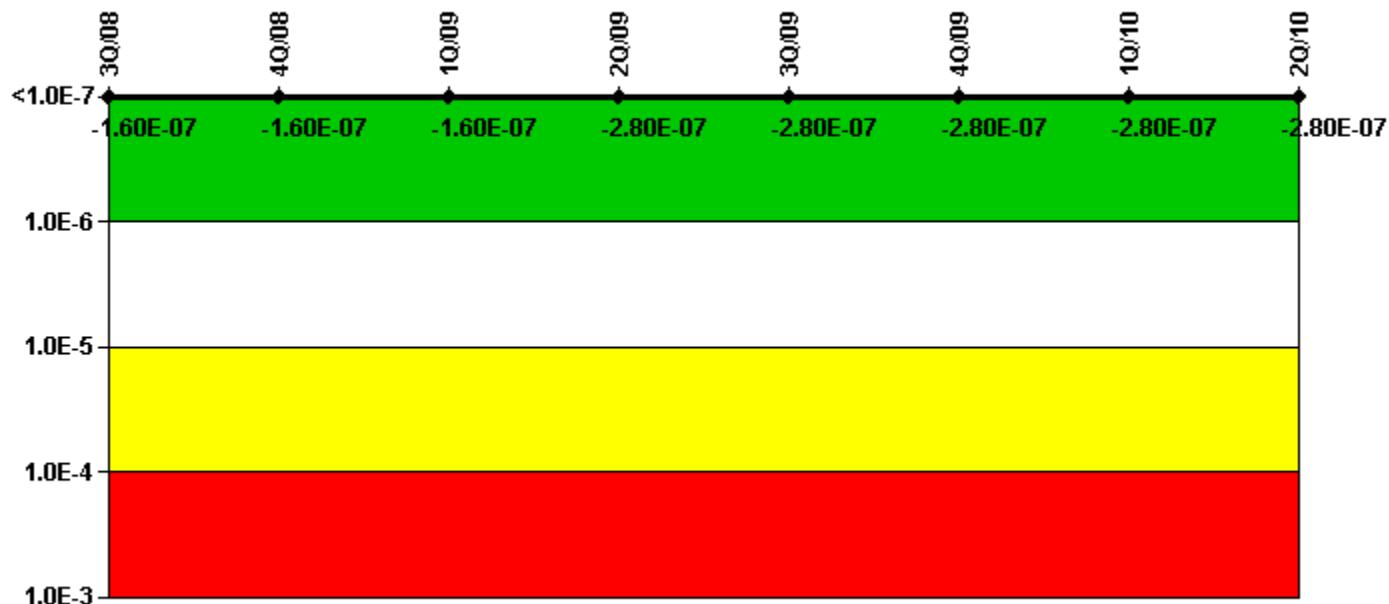
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	-2.30E-08	-2.00E-08	-2.30E-08	-1.60E-08	-1.60E-08	-1.60E-08	-1.60E-08	-1.56E-08
URI (Δ CDF)	6.90E-07	6.70E-07	6.60E-07	4.70E-07	4.70E-07	2.70E-07	2.70E-07	2.70E-07
PLE	NO							
Indicator value	6.67E-07	6.50E-07	6.37E-07	4.54E-07	4.54E-07	2.54E-07	2.50E-07	2.50E-07

Licensee Comments:

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

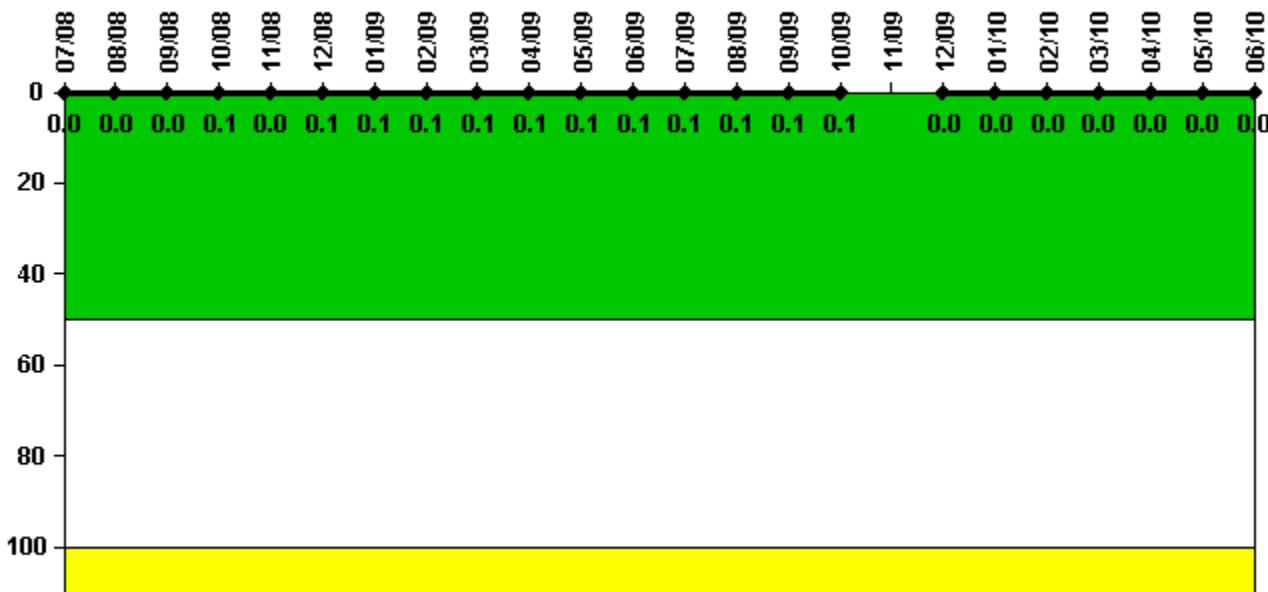
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	1.00E-08	1.00E-08	1.00E-08	-3.00E-08	-3.00E-08	-3.00E-08	-3.00E-08	-2.75E-08
URI (Δ CDF)	-1.70E-07	-1.70E-07	-1.70E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.48E-07	-2.48E-07
PLE	NO							
Indicator value	-1.60E-07	-1.60E-07	-1.60E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07

Licensee Comments:

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

Reactor Coolant System Activity



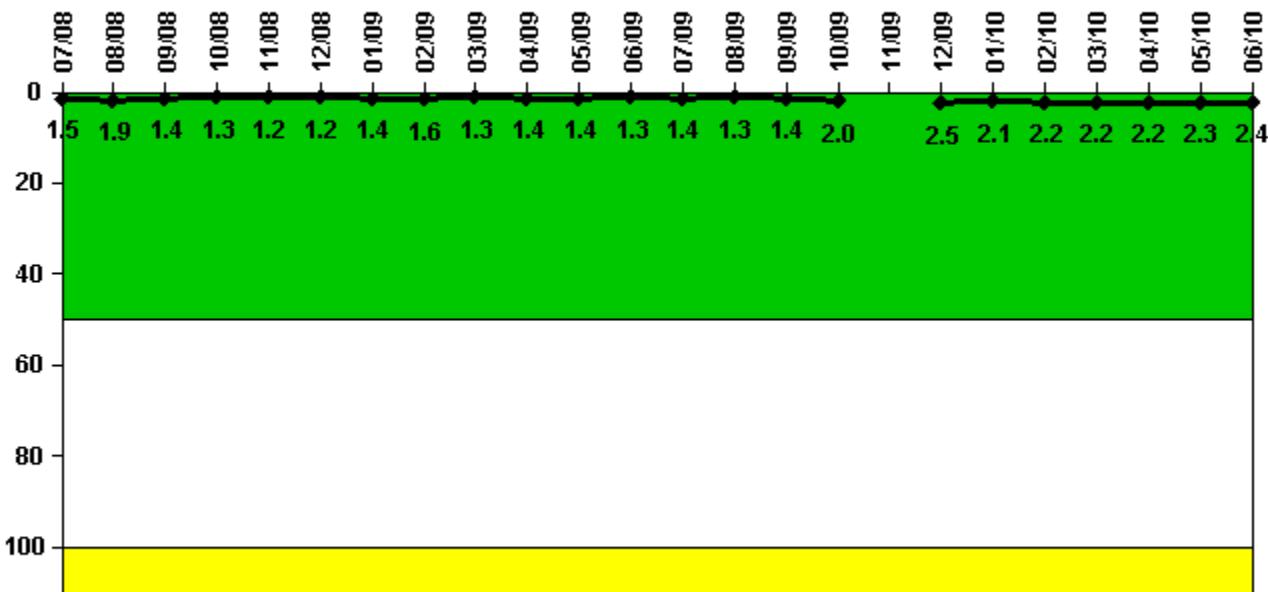
Thresholds: White > 50.0 Yellow > 100.0

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	0.000466	0.000476	0.000485	0.000530	0.000493	0.000514	0.000518	0.000519	0.000547	0.000548	0.000565	0.000571
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System Activity	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	0.000585	0.000627	0.000615	0.000598	N/A	0.000221	0.000203	0.000208	0.000214	0.000228	0.000235	0.000253
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	N/A	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



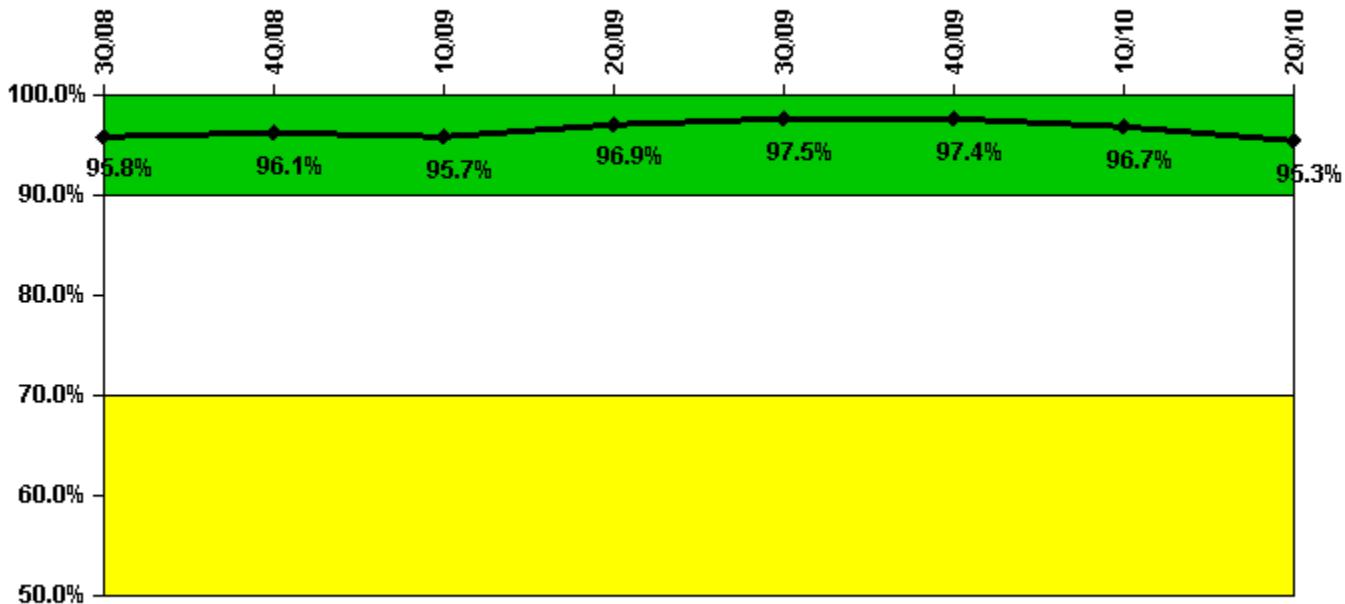
Thresholds: White > 50.0 Yellow > 100.0

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	0.150	0.190	0.140	0.130	0.120	0.120	0.140	0.160	0.130	0.140	0.140	0.130
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.5	1.9	1.4	1.3	1.2	1.2	1.4	1.6	1.3	1.4	1.4	1.3
Reactor Coolant System Leakage	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum leakage	0.140	0.130	0.140	0.200	N/A	0.250	0.210	0.220	0.220	0.220	0.230	0.240
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.4	1.3	1.4	2.0	N/A	2.5	2.1	2.2	2.2	2.2	2.3	2.4

Licensee Comments: none

Drill/Exercise Performance



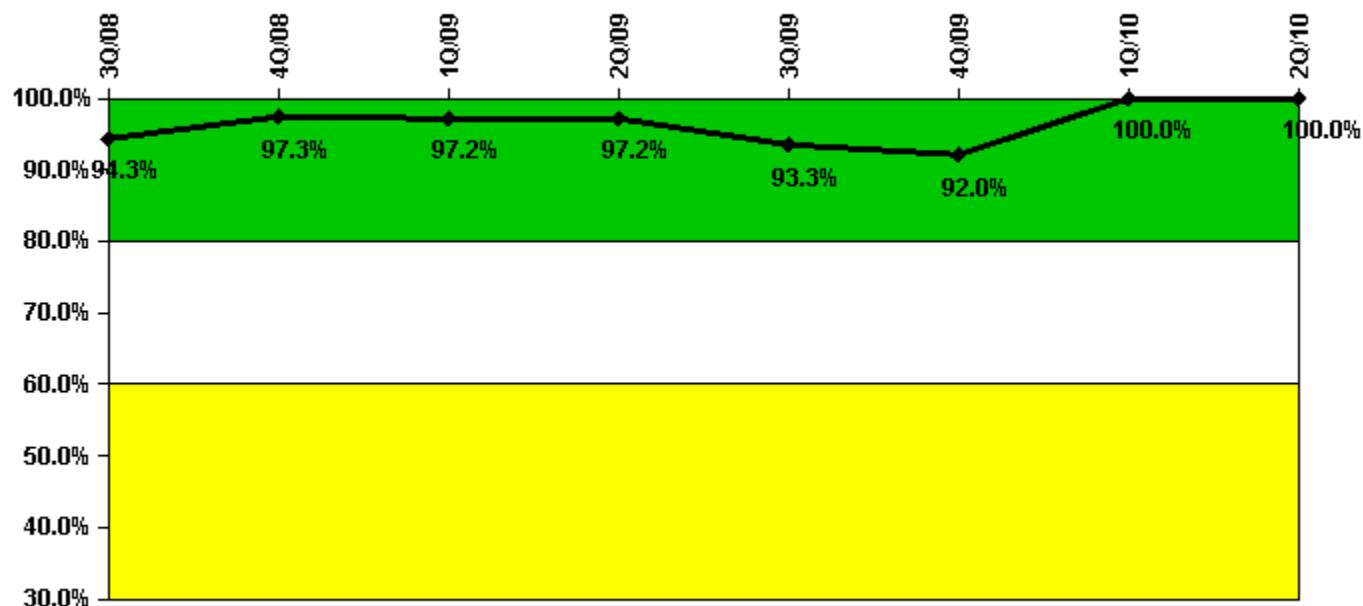
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	24.0	16.0	11.0	24.0	31.0	2.0	38.0	15.0
Total opportunities	25.0	16.0	12.0	24.0	32.0	2.0	40.0	18.0
Indicator value	95.8%	96.1%	95.7%	96.9%	97.5%	97.4%	96.7%	95.3%

Licensee Comments: none

ERO Drill Participation



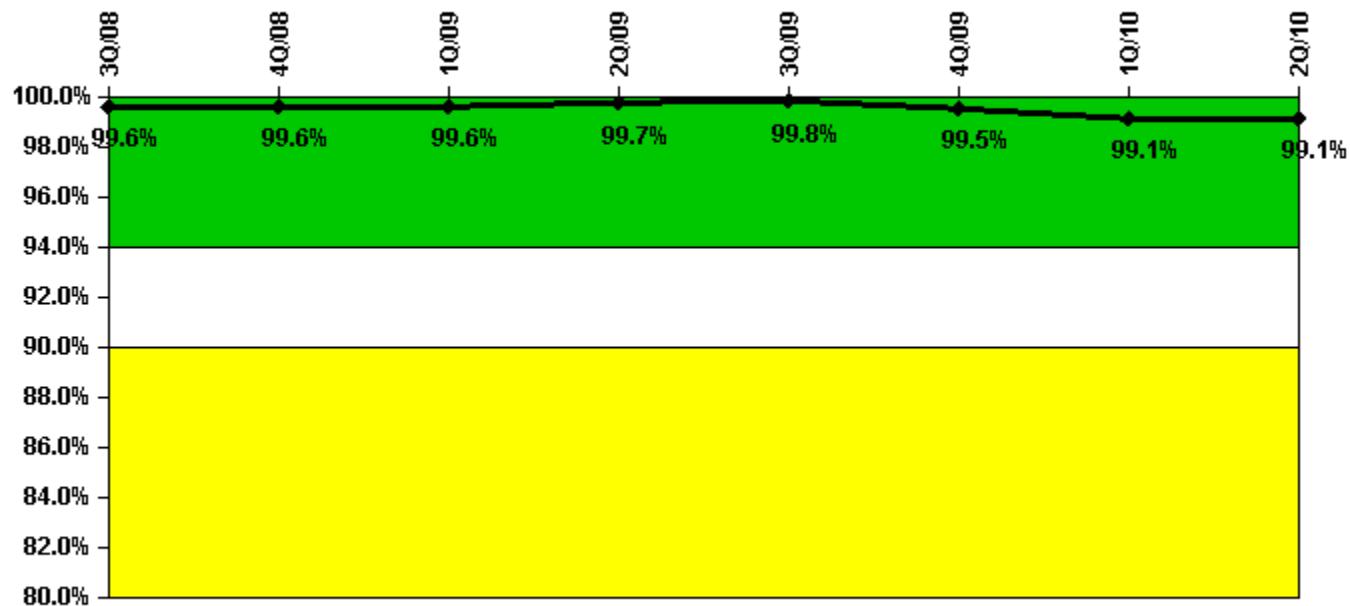
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Participating Key personnel	66.0	71.0	70.0	69.0	70.0	69.0	71.0	69.0
Total Key personnel	70.0	73.0	72.0	71.0	75.0	75.0	71.0	69.0
Indicator value	94.3%	97.3%	97.2%	97.2%	93.3%	92.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



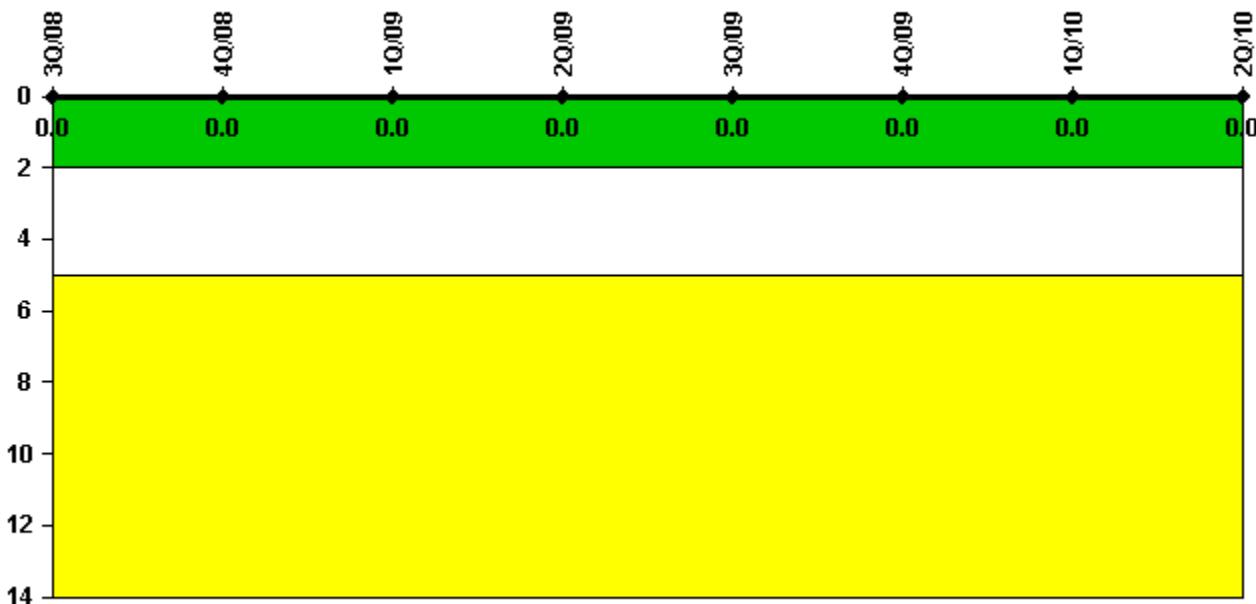
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful siren-tests	845	739	845	742	847	729	833	742
Total sirens-tests	848	742	848	742	848	742	848	742
Indicator value	99.6%	99.6%	99.6%	99.7%	99.8%	99.5%	99.1%	99.1%

Licensee Comments: none

Occupational Exposure Control Effectiveness



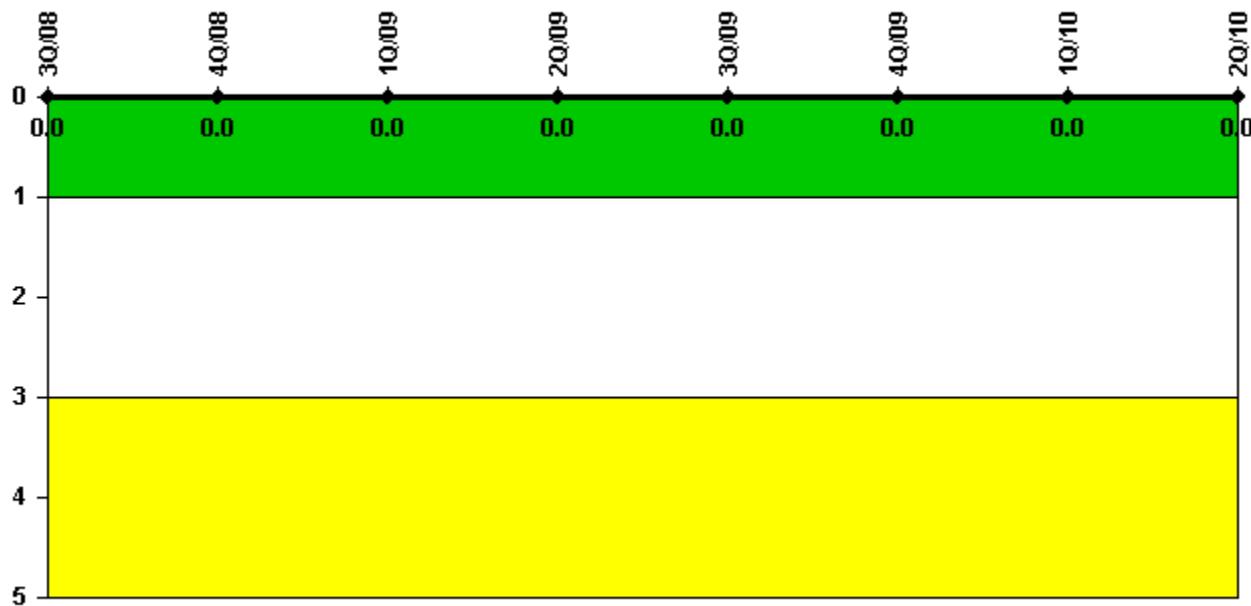
Thresholds: White > 2.0 Yellow > 5.0

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							

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

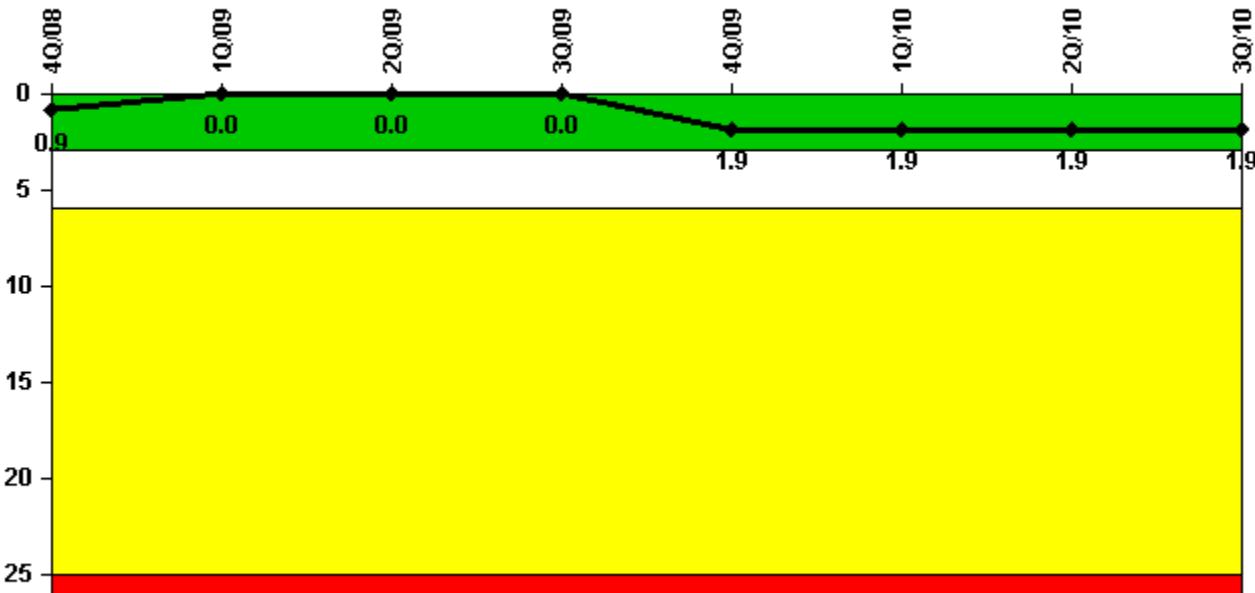
Security information not publicly available.

Summer

3Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



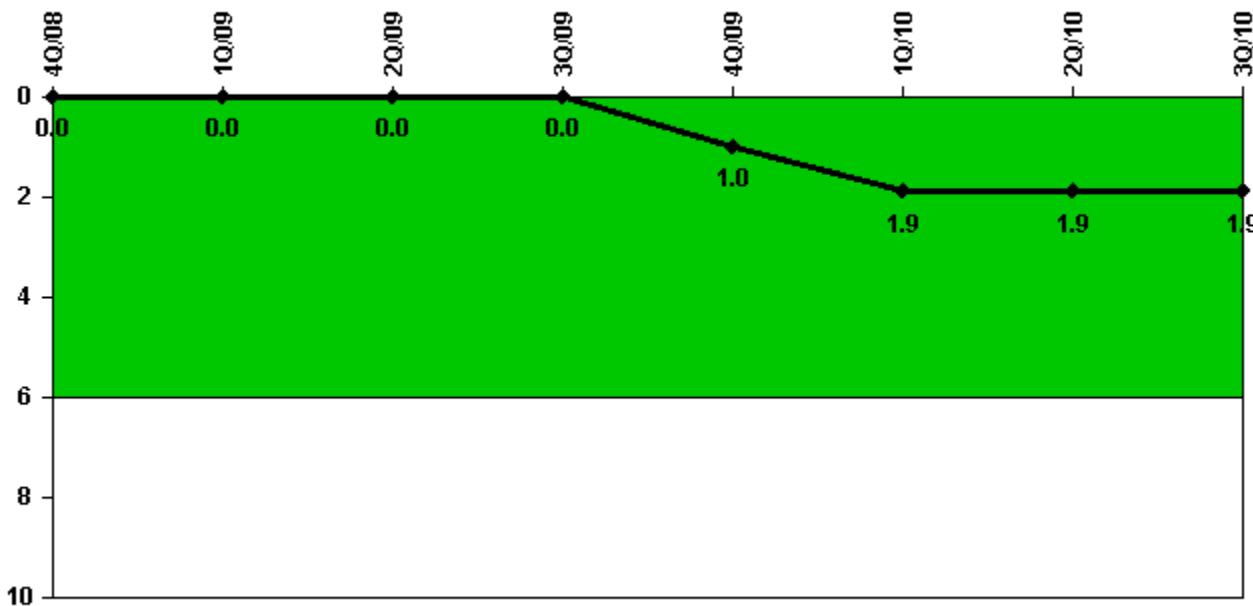
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	688.6	2159.0	2184.0	2157.5
Indicator value	0.9	0	0	0	1.9	1.9	1.9	1.9

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



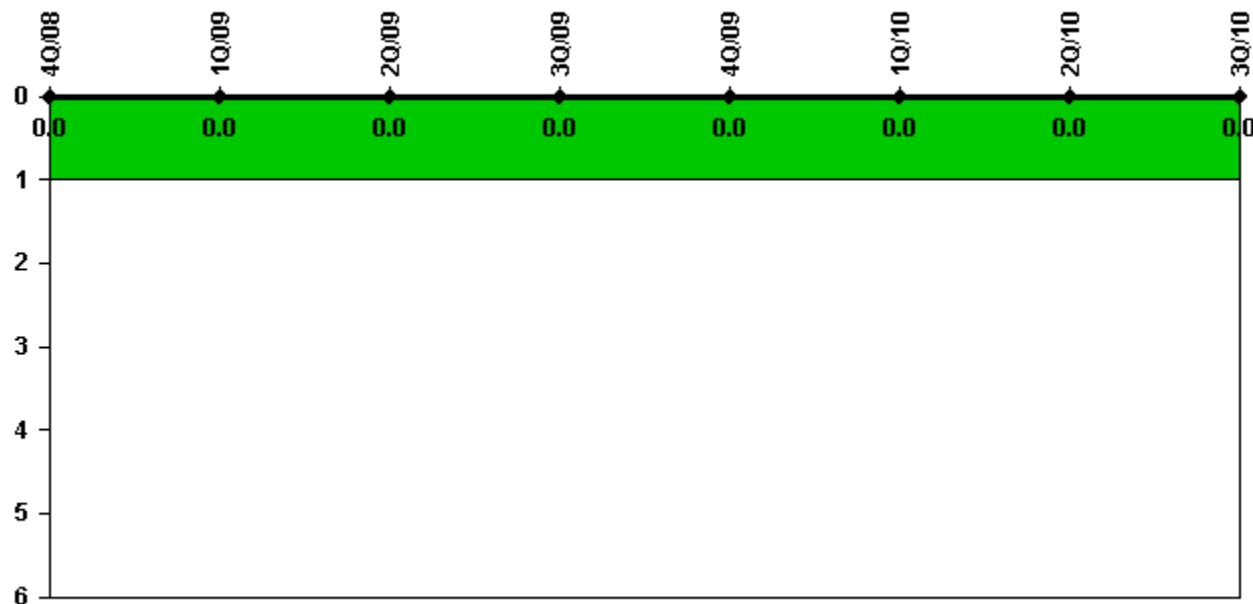
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned power changes	0	0	0	0	1.0	1.0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	688.6	2159.0	2184.0	2157.5
Indicator value	0	0	0	0	1.0	1.9	1.9	1.9

Licensee Comments: none

Unplanned Scrams with Complications



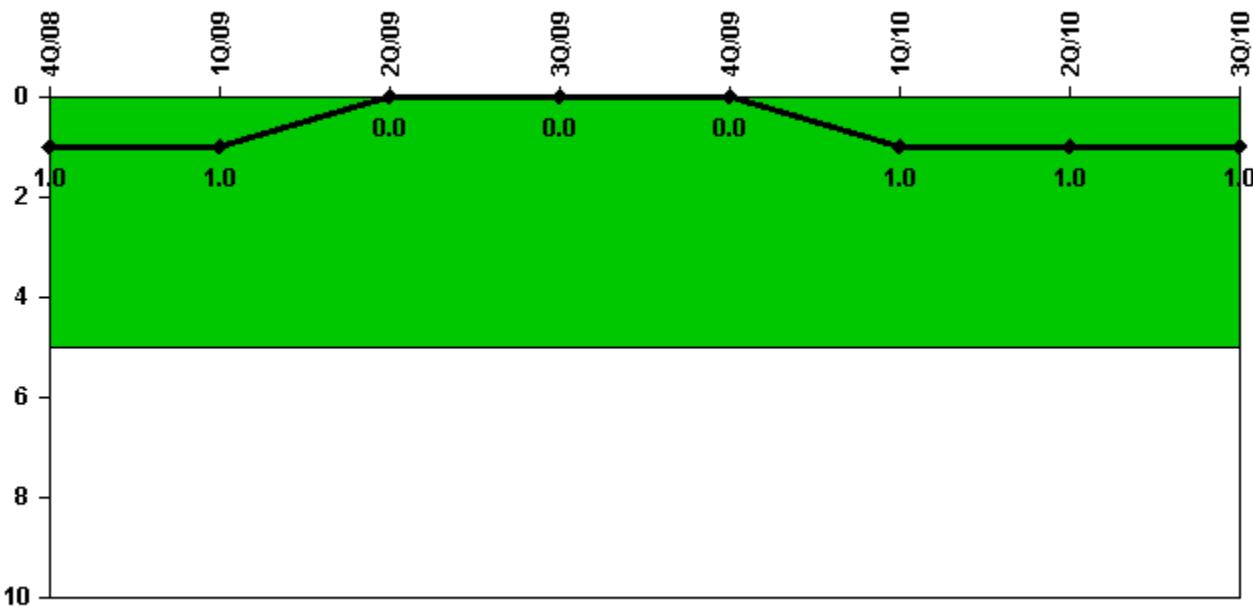
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



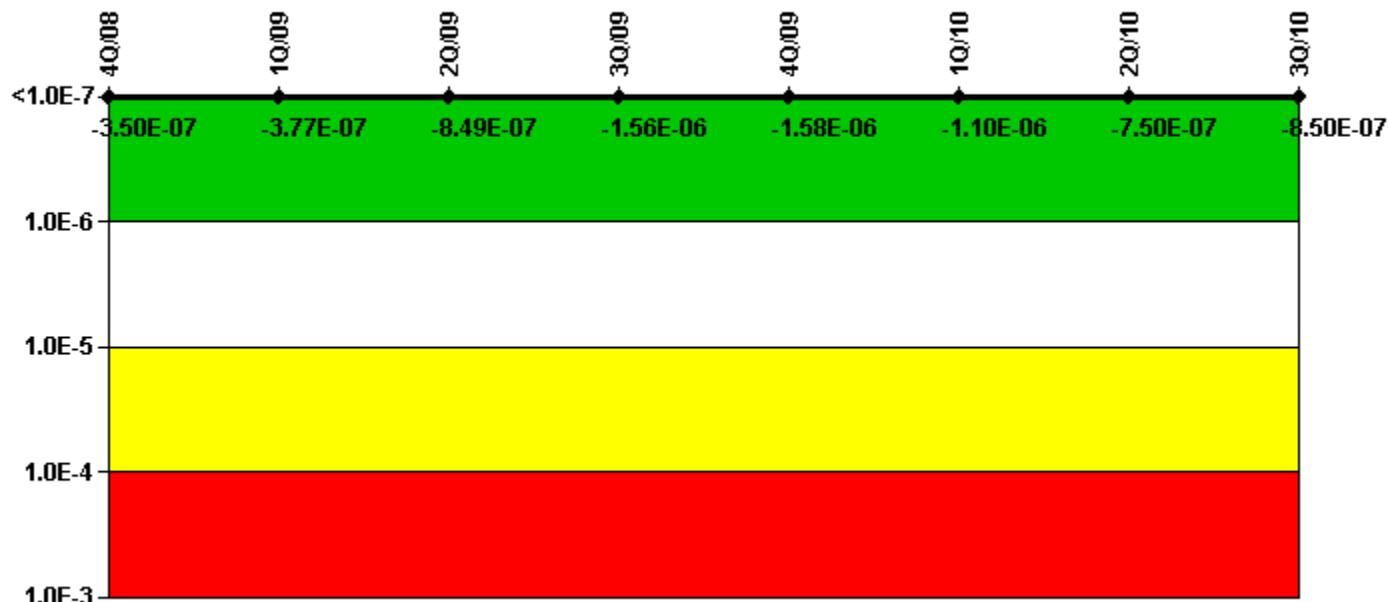
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Safety System Functional Failures	0	0	0	0	0	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	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	1.10E-07	9.30E-08	9.10E-08	4.50E-08	2.00E-08	-3.97E-08	3.57E-07	2.62E-07
URI (Δ CDF)	-4.60E-07	-4.70E-07	-9.40E-07	-1.60E-06	-1.60E-06	-1.11E-06	-1.11E-06	-1.11E-06
PLE	NO							
Indicator value	-3.50E-07	-3.77E-07	-8.49E-07	-1.56E-06	-1.58E-06	-1.10E-06	-7.50E-07	-8.50E-07

Licensee Comments:

3Q/10: Risk Cap Invoked. Changed CDE MSPI coefficients and the MSPI Basis Document to adjust PRA modeling for a plant modification which added a second instrument air dryer and to update planned EDG online overhaul train unavailability.

Mitigating Systems Performance Index, High Pressure Injection System



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

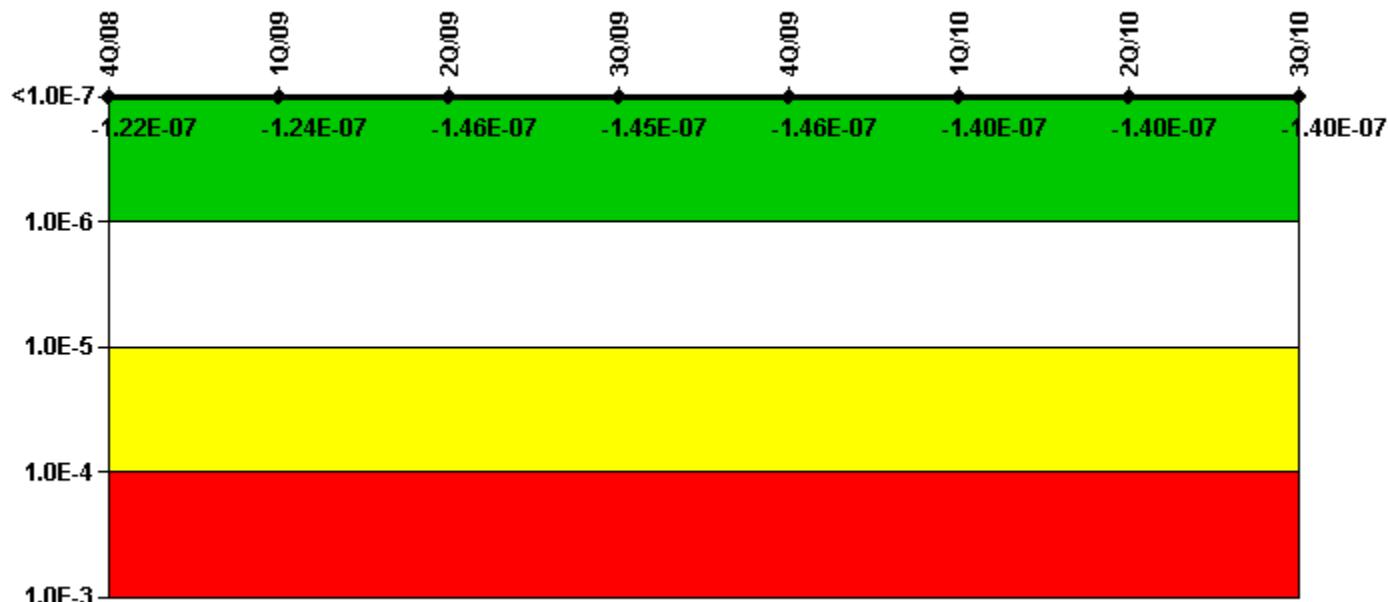
Notes

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 (Δ CDF)	-1.50E-07	-1.50E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.66E-07	-1.66E-07	-1.66E-07
URI (Δ CDF)	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.54E-07	-2.54E-07	-2.54E-07
PLE	NO							
Indicator value	-4.00E-07	-4.00E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07

Licensee Comments:

3Q/10: Changed CDE MSPI coefficients and the MSPI Basis Document to adjust PRA modeling for a plant modification which added a second instrument air dryer and to update planned EDG online overhaul train unavailability.

Mitigating Systems Performance Index, Heat Removal System



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

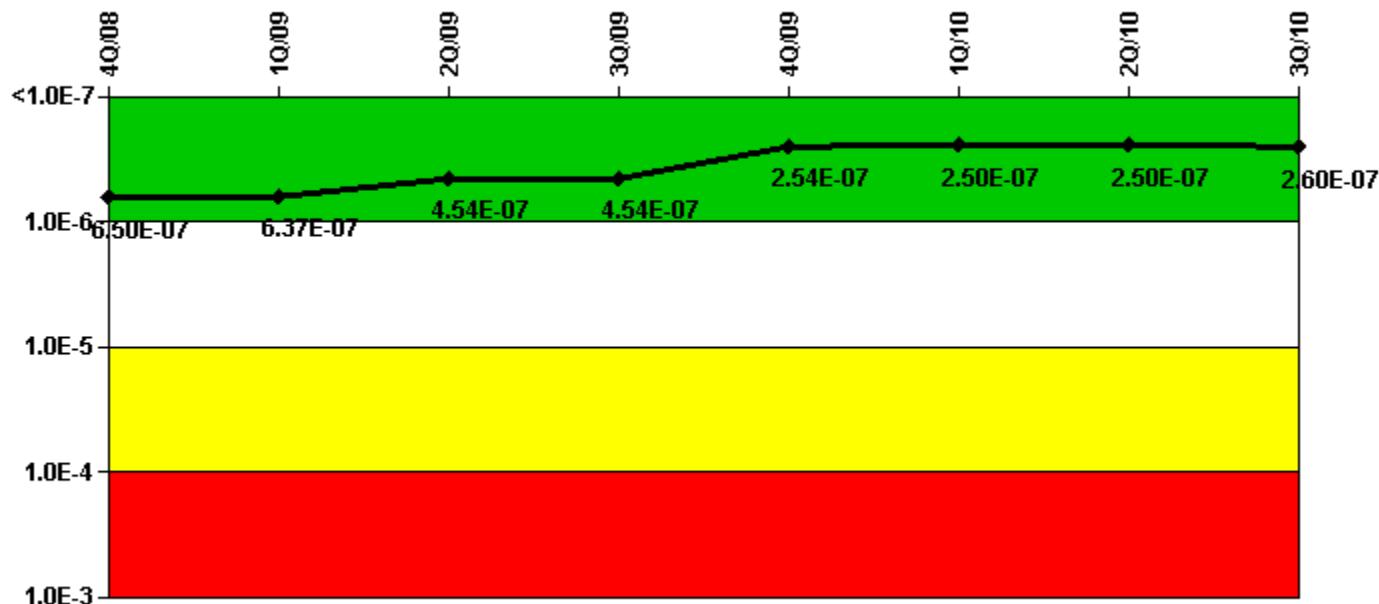
Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	-2.20E-08	-2.40E-08	-2.60E-08	-2.50E-08	-2.60E-08	-2.63E-08	-2.50E-08	-2.50E-08
URI (Δ CDF)	-1.00E-07	-1.00E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.18E-07	-1.18E-07	-1.18E-07
PLE	NO							
Indicator value	-1.22E-07	-1.24E-07	-1.46E-07	-1.45E-07	-1.46E-07	-1.40E-07	-1.40E-07	-1.40E-07

Licensee Comments:

3Q/10: Changed CDE MSPI coefficients and the MSPI Basis Document to adjust PRA modeling for a plant modification which added a second instrument air dryer and to update planned EDG online overhaul train unavailability.

Mitigating Systems Performance Index, Residual Heat Removal System



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

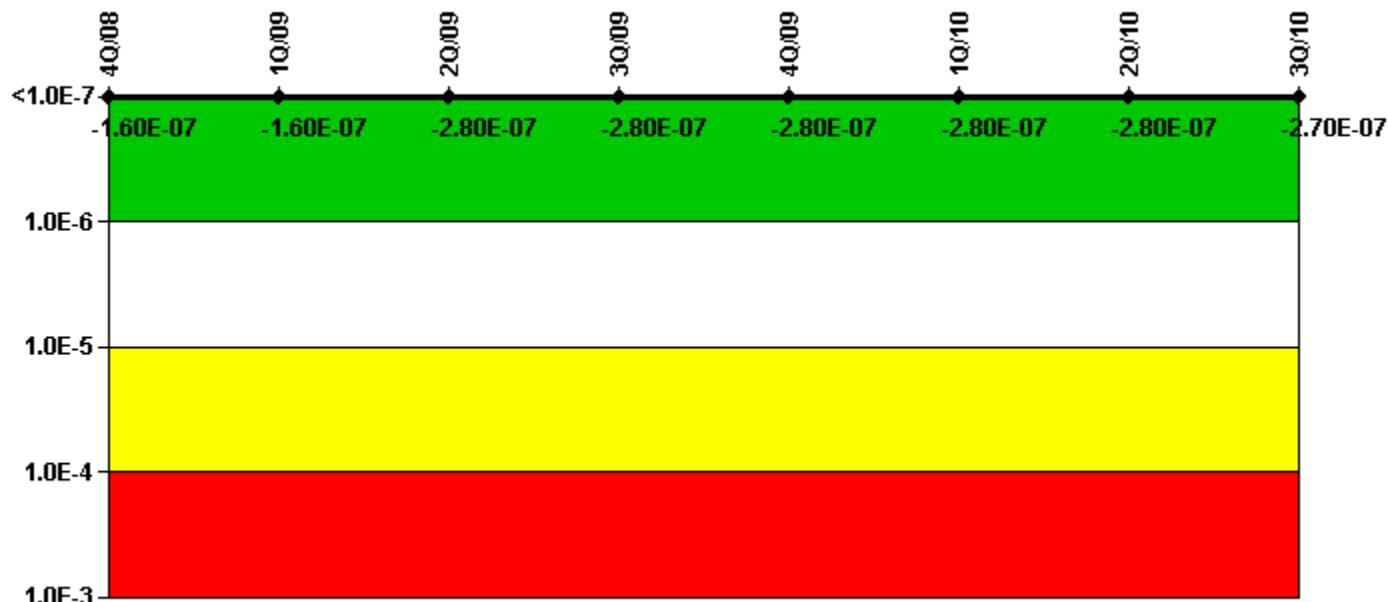
Notes

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 (Δ CDF)	-2.00E-08	-2.30E-08	-1.60E-08	-1.60E-08	-1.60E-08	-1.60E-08	-1.56E-08	-9.51E-09
URI (Δ CDF)	6.70E-07	6.60E-07	4.70E-07	4.70E-07	2.70E-07	2.70E-07	2.70E-07	2.70E-07
PLE	NO							
Indicator value	6.50E-07	6.37E-07	4.54E-07	4.54E-07	2.54E-07	2.50E-07	2.50E-07	2.60E-07

Licensee Comments:

3Q/10: Changed CDE MSPI coefficients and the MSPI Basis Document to adjust PRA modeling for a plant modification which added a second instrument air dryer and to update planned EDG online overhaul train unavailability.

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 (Δ CDF)	1.00E-08	1.00E-08	-3.00E-08	-3.00E-08	-3.00E-08	-3.00E-08	-2.67E-08	-2.67E-08
URI (Δ CDF)	-1.70E-07	-1.70E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.48E-07	-2.48E-07	-2.48E-07
PLE	NO							
Indicator value	-1.60E-07	-1.60E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.70E-07

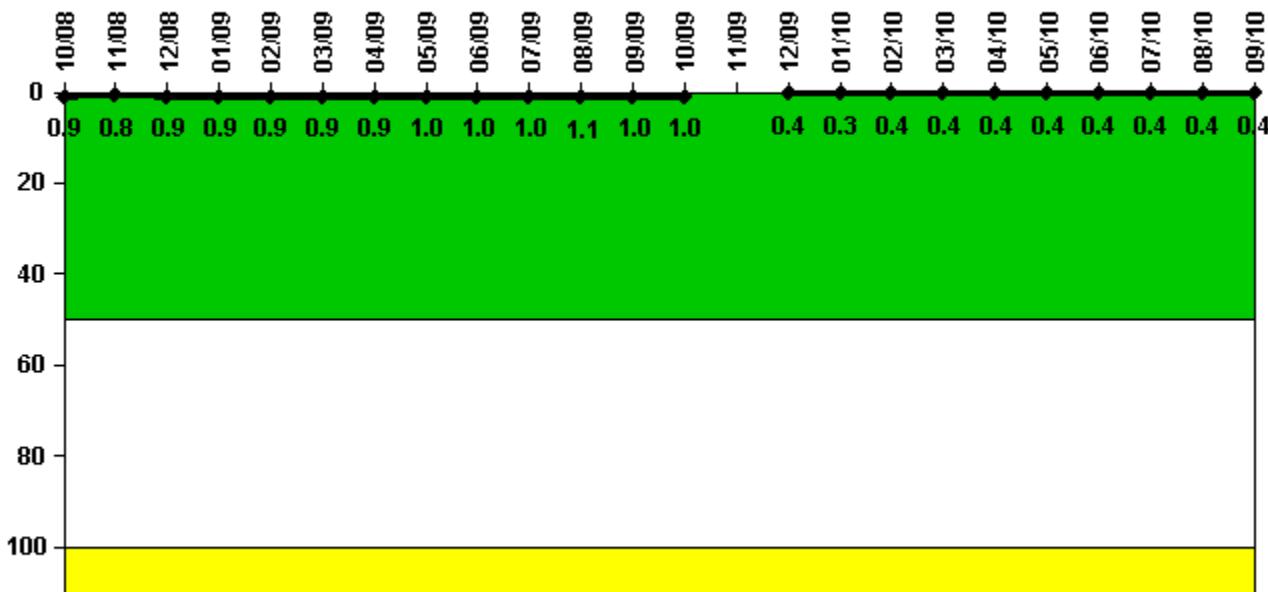
Licensee Comments:

3Q/10: Changed PRA Parameter(s). Changed CDE MSPI coefficients and the MSPI Basis Document to adjust PRA modeling for a plant modification which added a second instrument air dryer and to update planned EDG online overhaul train unavailability.

2Q/10: Changed PRA Parameter(s). PRA production data inadvertently changes while performing "What If" analysis. PRA production data subsequently revised to reflect correct data.

1Q/10: Changed PRA Parameter(s). PRA production data inadvertently changes while performing "What If" analysis. PRA production data subsequently revised to reflect correct data.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

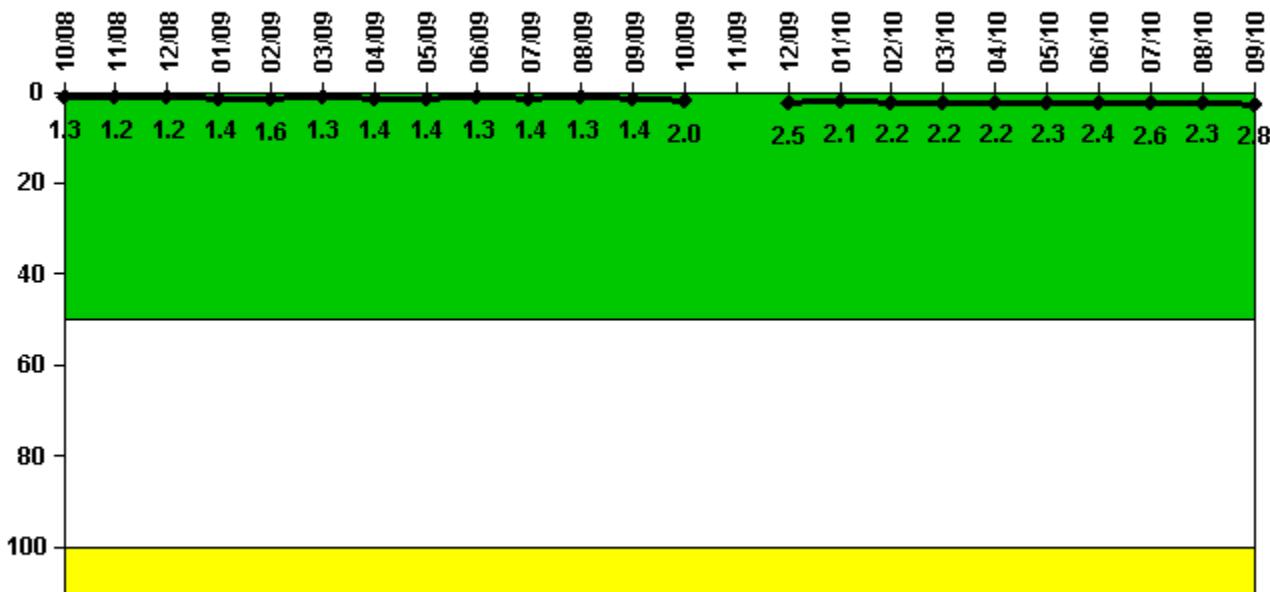
Reactor Coolant System Activity	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum activity	0.000530	0.000493	0.000514	0.000518	0.000519	0.000547	0.000548	0.000565	0.000571	0.000585	0.000627	0.000615
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.9	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.0
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	0.000598	N/A	0.000221	0.000203	0.000208	0.000214	0.000228	0.000235	0.000253	0.000256	0.000248	0.000263
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	1.0	N/A	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Licensee Comments:

9/10: Reactor Coolant System Activity Technical Specification Limit of 1.0 was changed to currently used administrative limit of 0.059. This change dates back to April 2005

6/05: Reactor Coolant System Activity Tech Spec Limit 1.0 changed to reflect administration limit of 0.059.

Reactor Coolant System Leakage



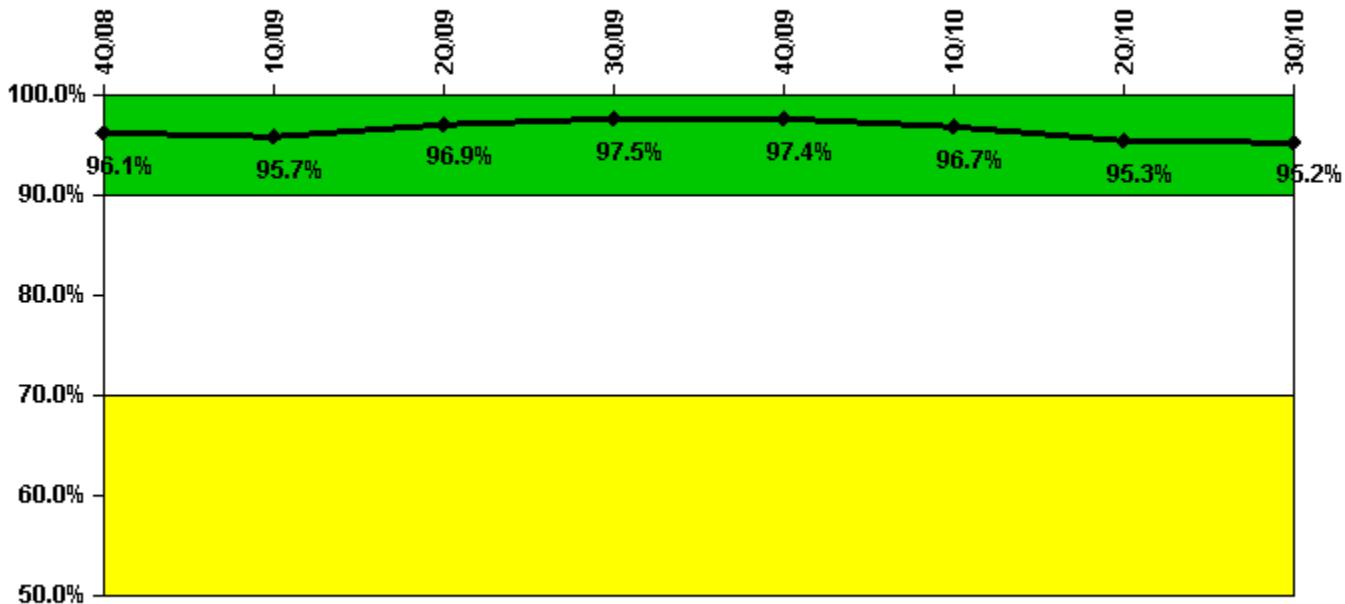
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum leakage	0.130	0.120	0.120	0.140	0.160	0.130	0.140	0.140	0.130	0.140	0.130	0.140
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.3	1.2	1.2	1.4	1.6	1.3	1.4	1.4	1.3	1.4	1.3	1.4
Reactor Coolant System Leakage	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum leakage	0.200	N/A	0.250	0.210	0.220	0.220	0.220	0.230	0.240	0.260	0.230	0.280
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.0	N/A	2.5	2.1	2.2	2.2	2.2	2.3	2.4	2.6	2.3	2.8

Licensee Comments: none

Drill/Exercise Performance



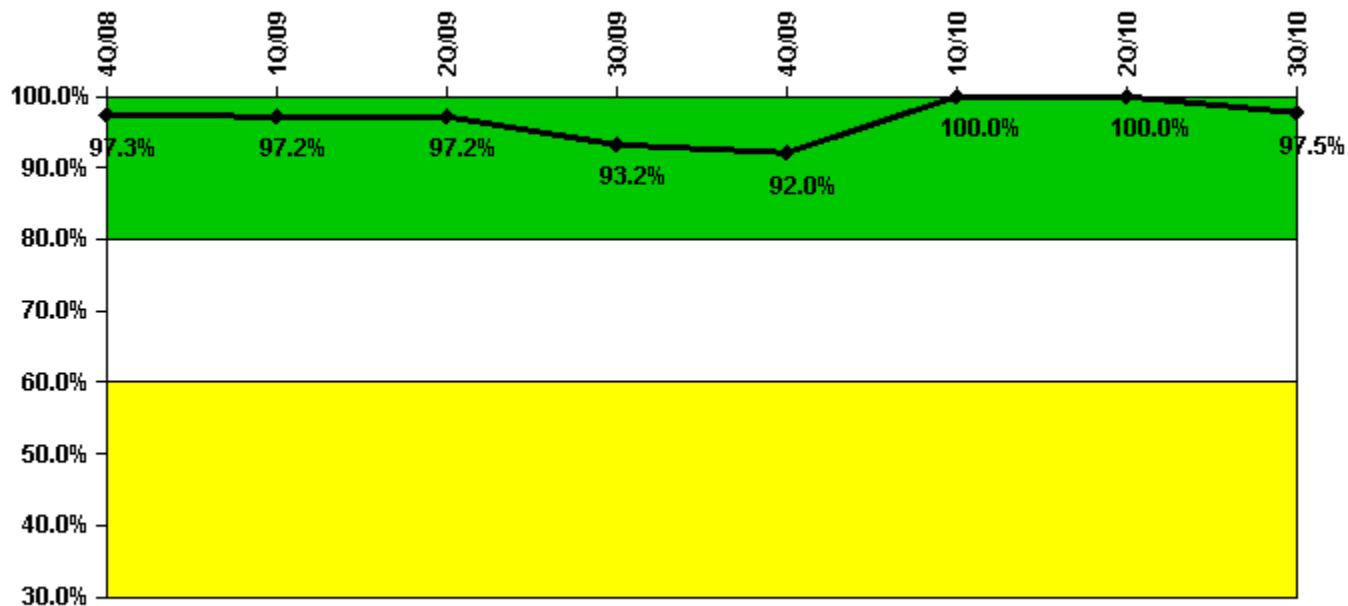
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful opportunities	16.0	11.0	24.0	31.0	2.0	38.0	15.0	2.0
Total opportunities	16.0	12.0	24.0	32.0	2.0	40.0	18.0	2.0
Indicator value	96.1%	95.7%	96.9%	97.5%	97.4%	96.7%	95.3%	95.2%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

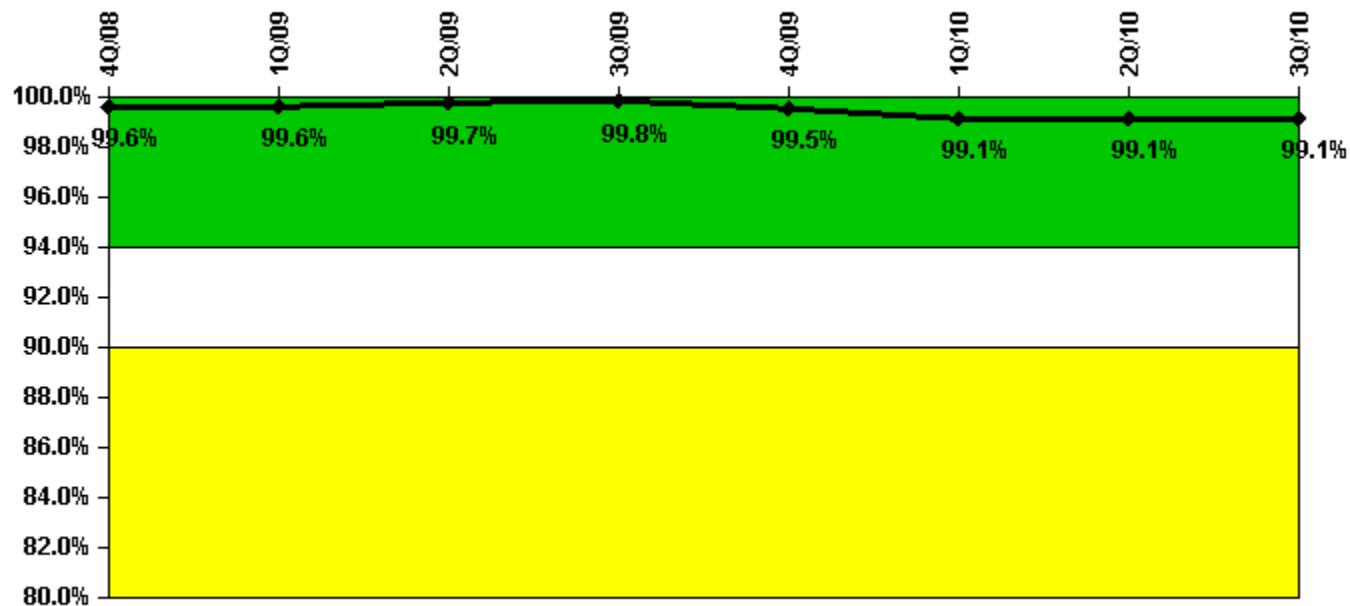
Notes

ERO Drill Participation	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Participating Key personnel	71.0	70.0	69.0	69.0	69.0	71.0	69.0	78.0
Total Key personnel	73.0	72.0	71.0	74.0	75.0	71.0	69.0	80.0
Indicator value	97.3%	97.2%	97.2%	93.2%	92.0%	100.0%	100.0%	97.5%

Licensee Comments:

3Q/09: Correction made to September 2009 Emergency Response Organization (ERO) Drill Participation.

Alert & Notification System



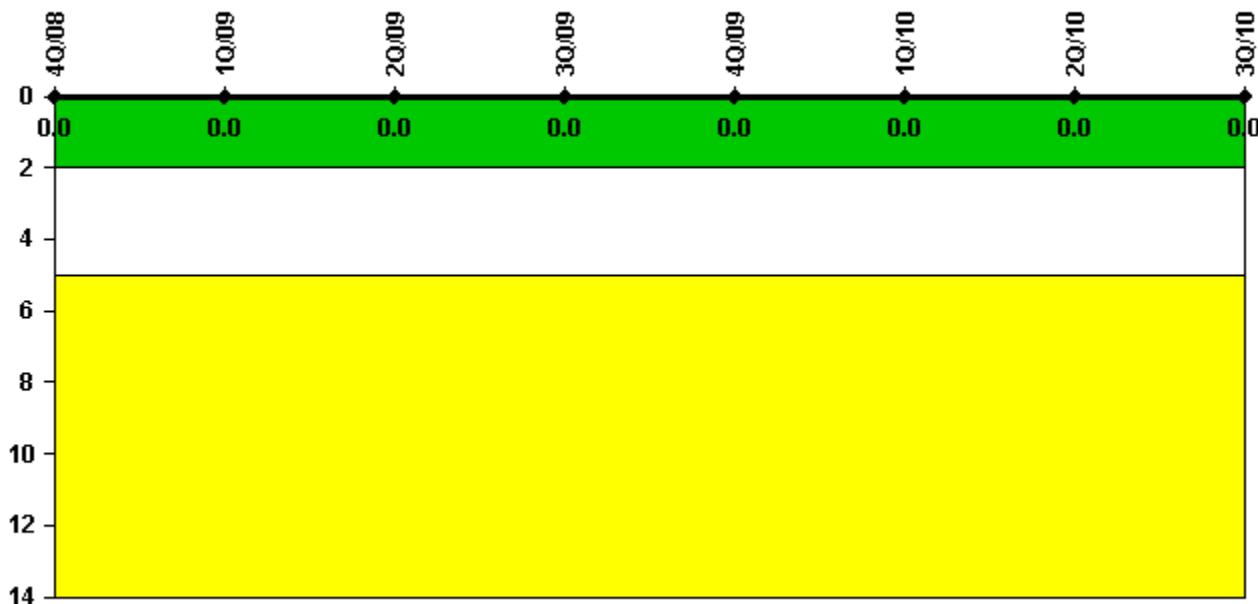
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful siren-tests	739	845	742	847	729	833	742	846
Total sirens-tests	742	848	742	848	742	848	742	848
Indicator value	99.6%	99.6%	99.7%	99.8%	99.5%	99.1%	99.1%	99.1%

Licensee Comments: none

Occupational Exposure Control Effectiveness



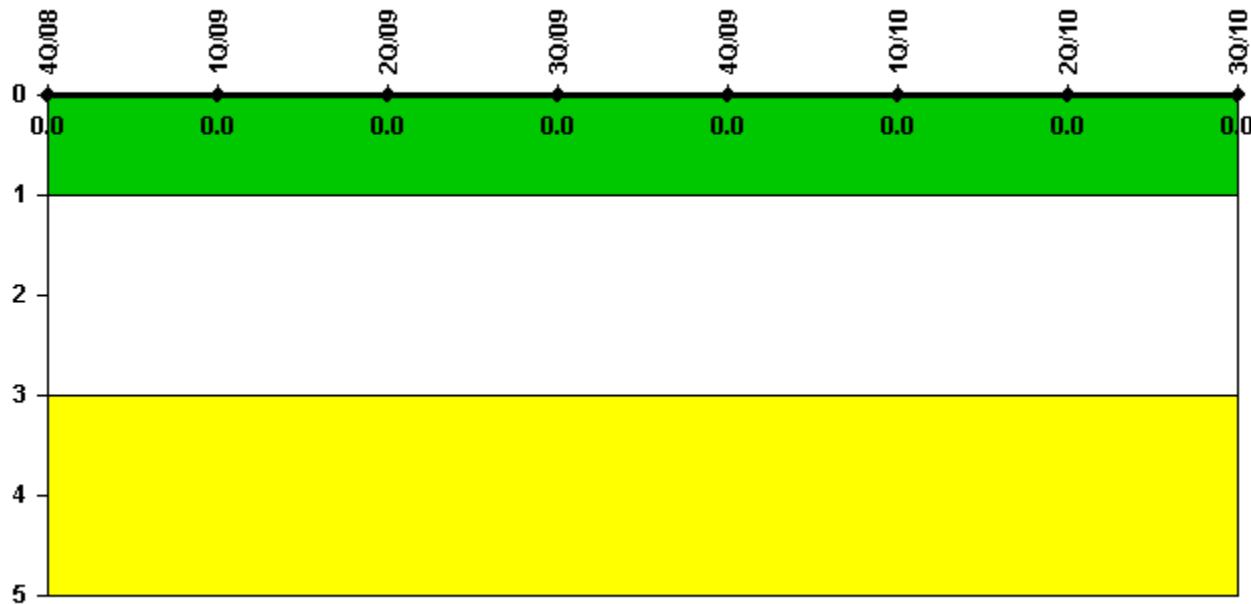
Thresholds: White > 2.0 Yellow > 5.0

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							

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.



[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: October 25, 2010

Summer

4Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



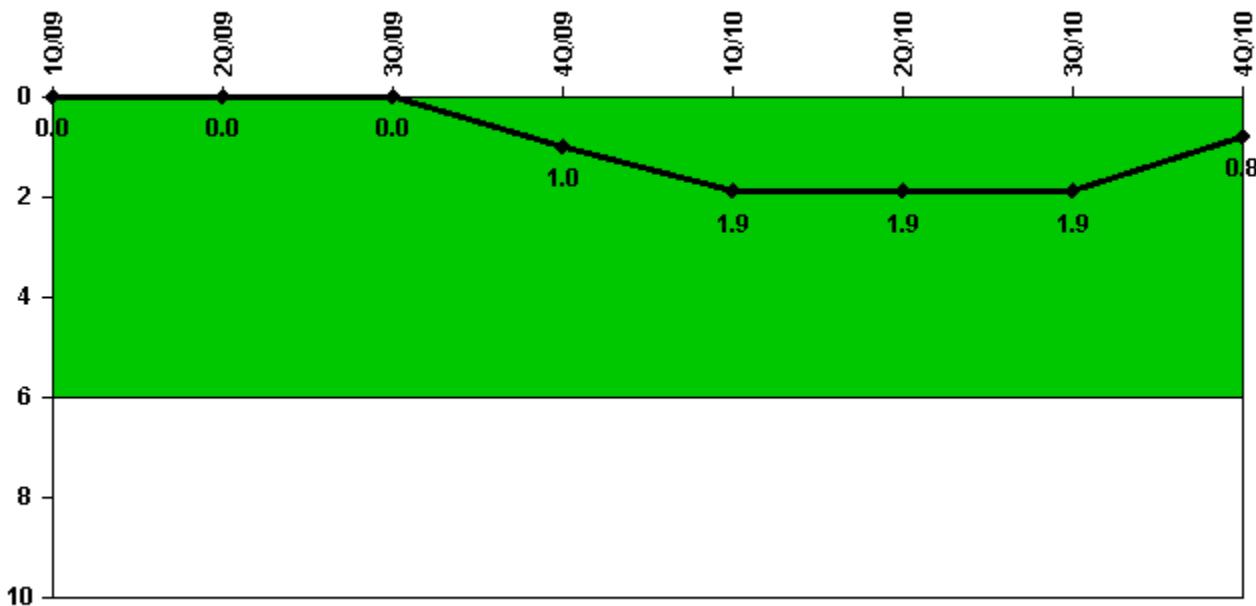
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	688.6	2159.0	2184.0	2157.5	2209.0
Indicator value	0	0	0	1.9	1.9	1.9	1.9	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



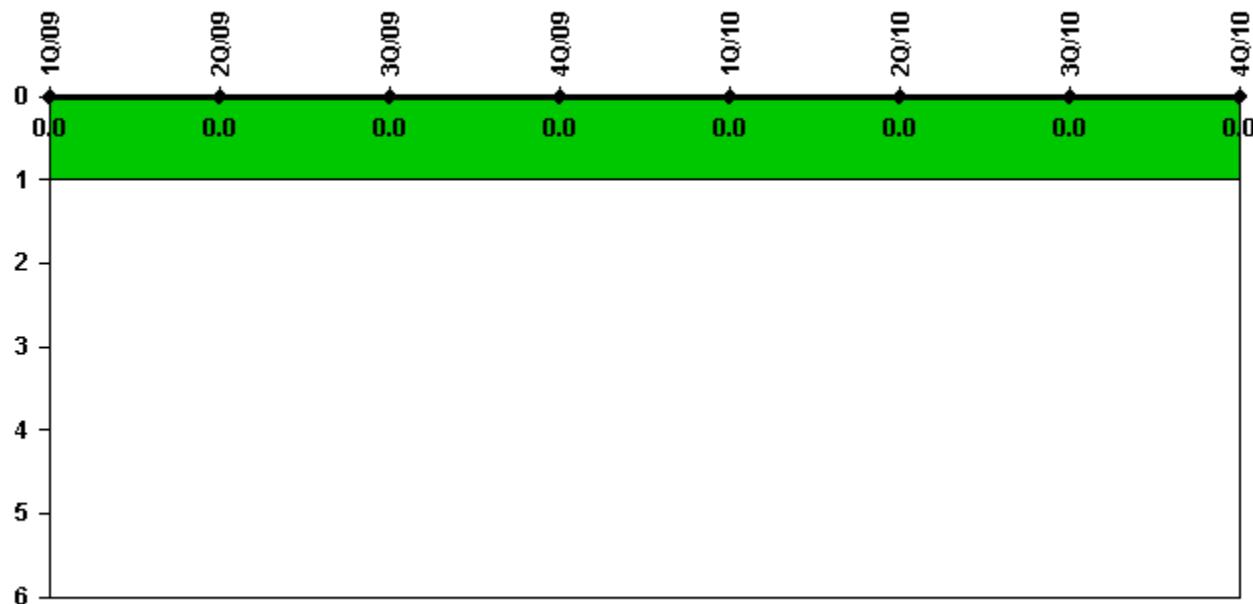
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned power changes	0	0	0	1.0	1.0	0	0	0
Critical hours	2159.0	2184.0	2208.0	688.6	2159.0	2184.0	2157.5	2209.0
Indicator value	0	0	0	1.0	1.9	1.9	1.9	0.8

Licensee Comments: none

Unplanned Scrams with Complications



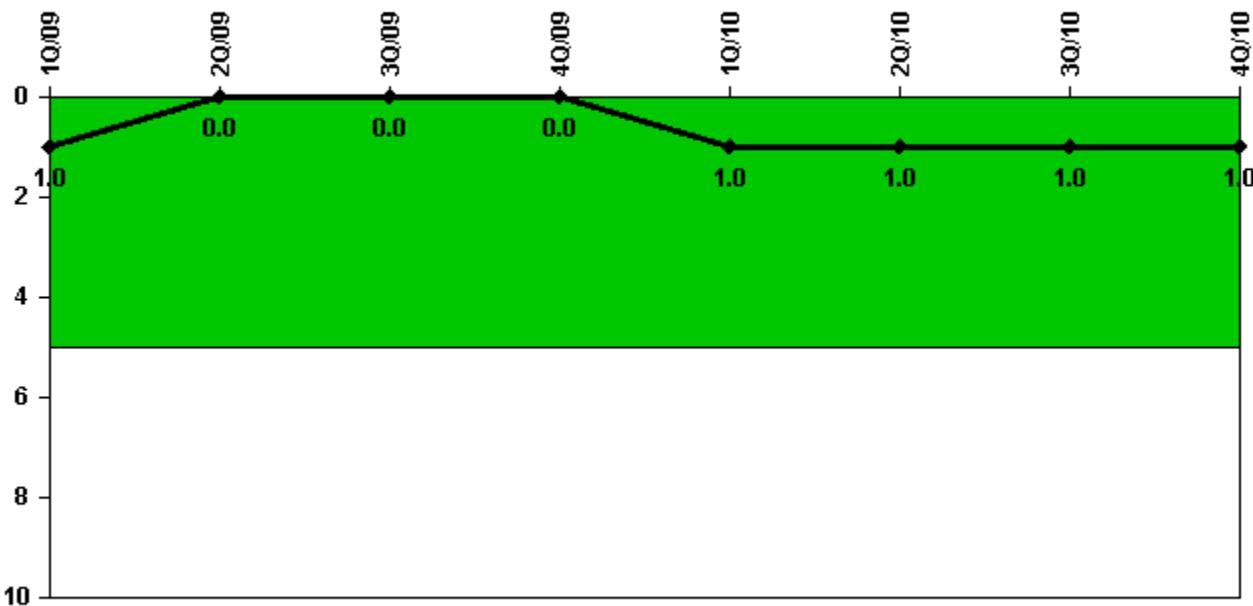
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



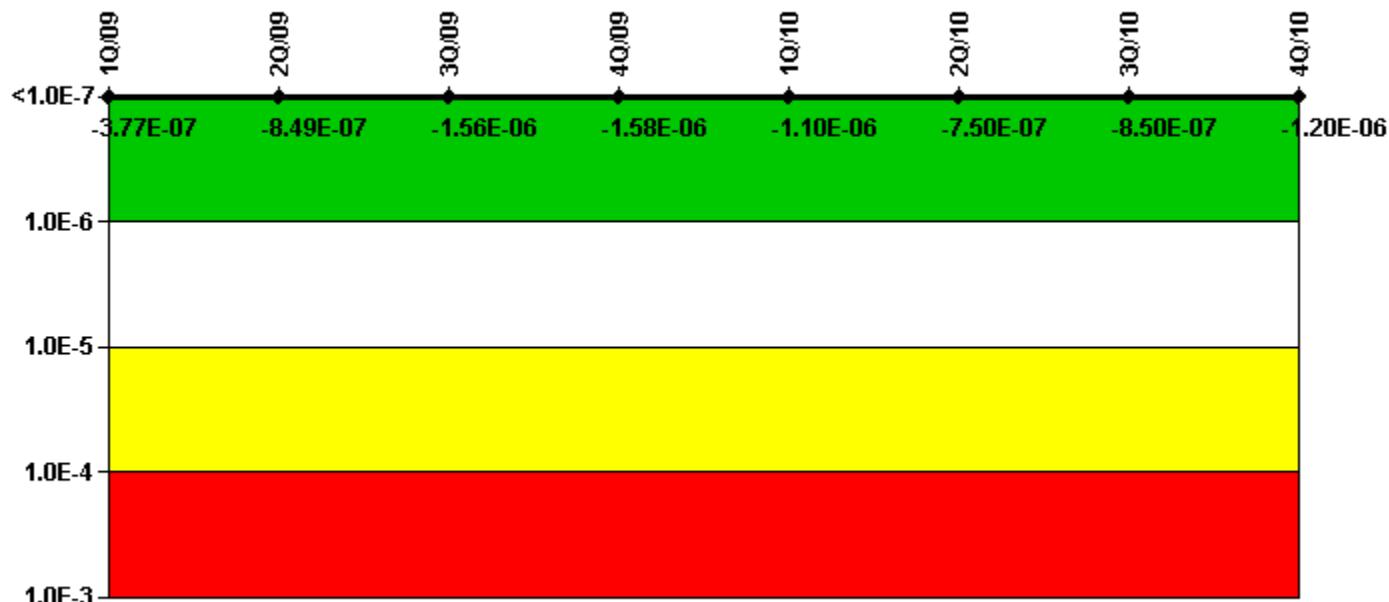
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Safety System Functional Failures	0	0	0	0	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

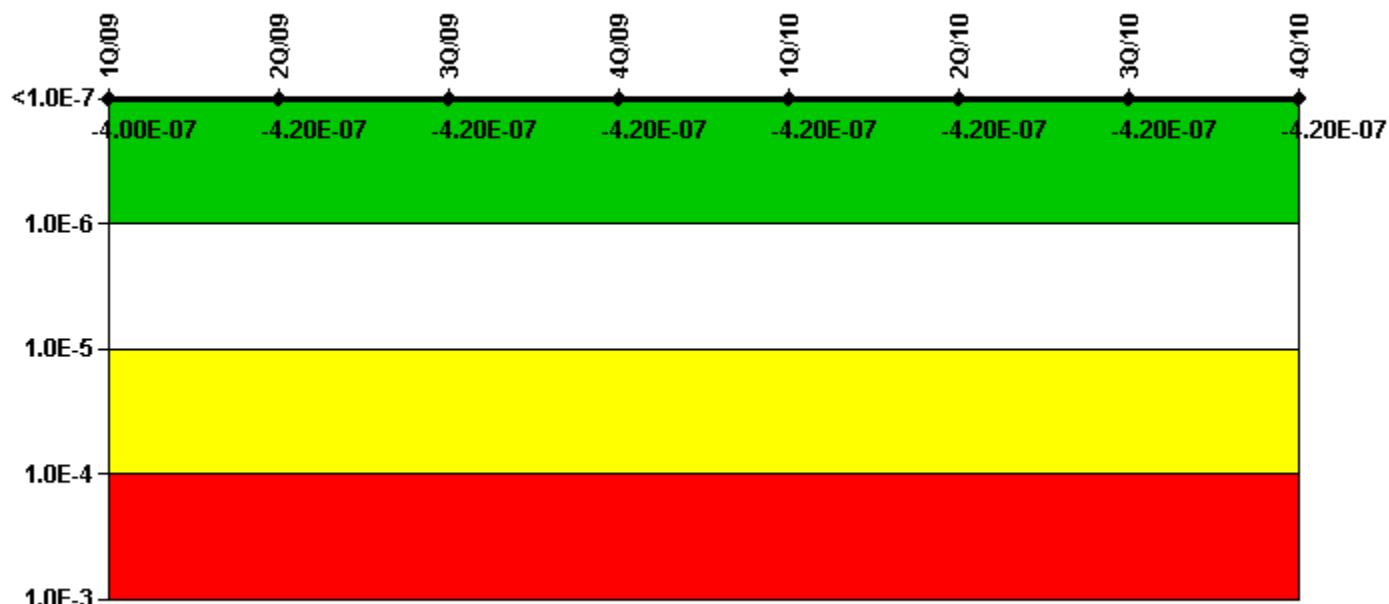
Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	9.30E-08	9.10E-08	4.50E-08	2.00E-08	-3.97E-08	3.57E-07	2.62E-07	-1.33E-07
URI (Δ CDF)	-4.70E-07	-9.40E-07	-1.60E-06	-1.60E-06	-1.11E-06	-1.11E-06	-1.11E-06	-1.11E-06
PLE	NO							
Indicator value	-3.77E-07	-8.49E-07	-1.56E-06	-1.58E-06	-1.10E-06	-7.50E-07	-8.50E-07	-1.20E-06

Licensee Comments:

4Q/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	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	-1.50E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.66E-07	-1.66E-07	-1.66E-07	-1.66E-07
URI (Δ CDF)	-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.54E-07	-2.54E-07	-2.54E-07	-2.55E-07
PLE	NO							
Indicator value	-4.00E-07	-4.20E-07						

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



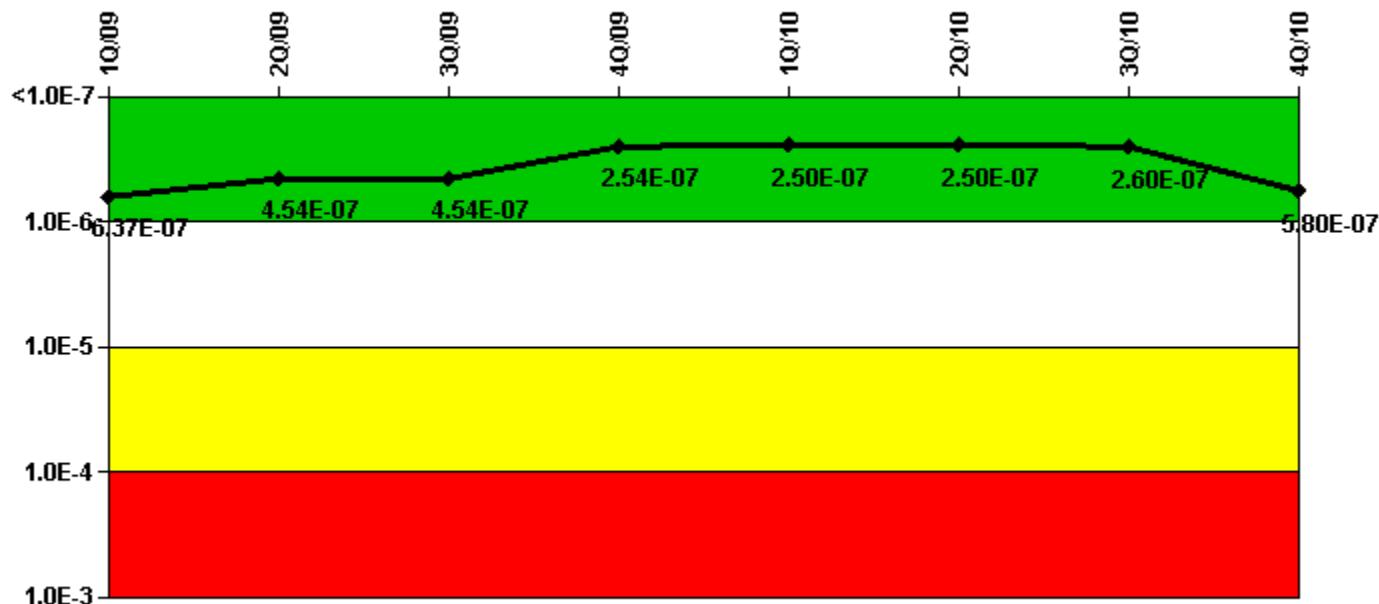
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	-2.40E-08	-2.60E-08	-2.50E-08	-2.60E-08	-2.63E-08	-2.50E-08	-2.50E-08	-2.52E-08
URI (Δ CDF)	-1.00E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.18E-07	-1.18E-07	-1.18E-07	-1.18E-07
PLE	NO							
Indicator value	-1.24E-07	-1.46E-07	-1.45E-07	-1.46E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



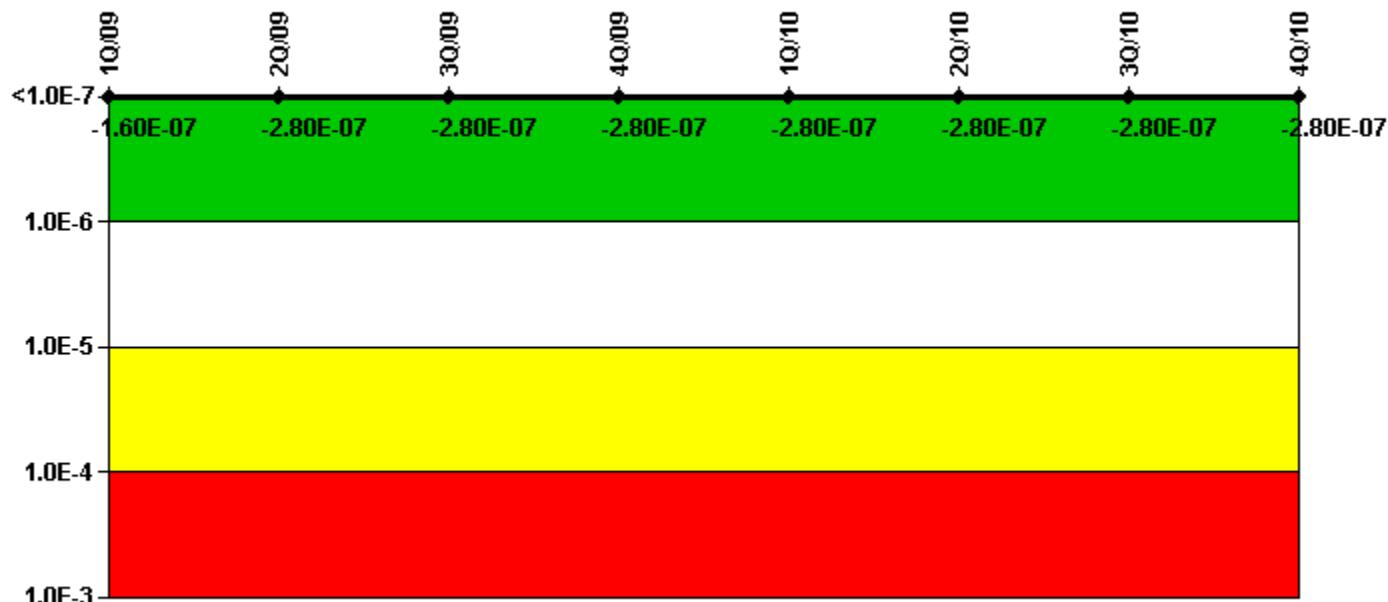
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	-2.30E-08	-1.60E-08	-1.60E-08	-1.60E-08	-1.60E-08	-1.56E-08	-9.51E-09	1.13E-09
URI (Δ CDF)	6.60E-07	4.70E-07	4.70E-07	2.70E-07	2.70E-07	2.70E-07	2.70E-07	5.76E-07
PLE	NO							
Indicator value	6.37E-07	4.54E-07	4.54E-07	2.54E-07	2.50E-07	2.50E-07	2.60E-07	5.80E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

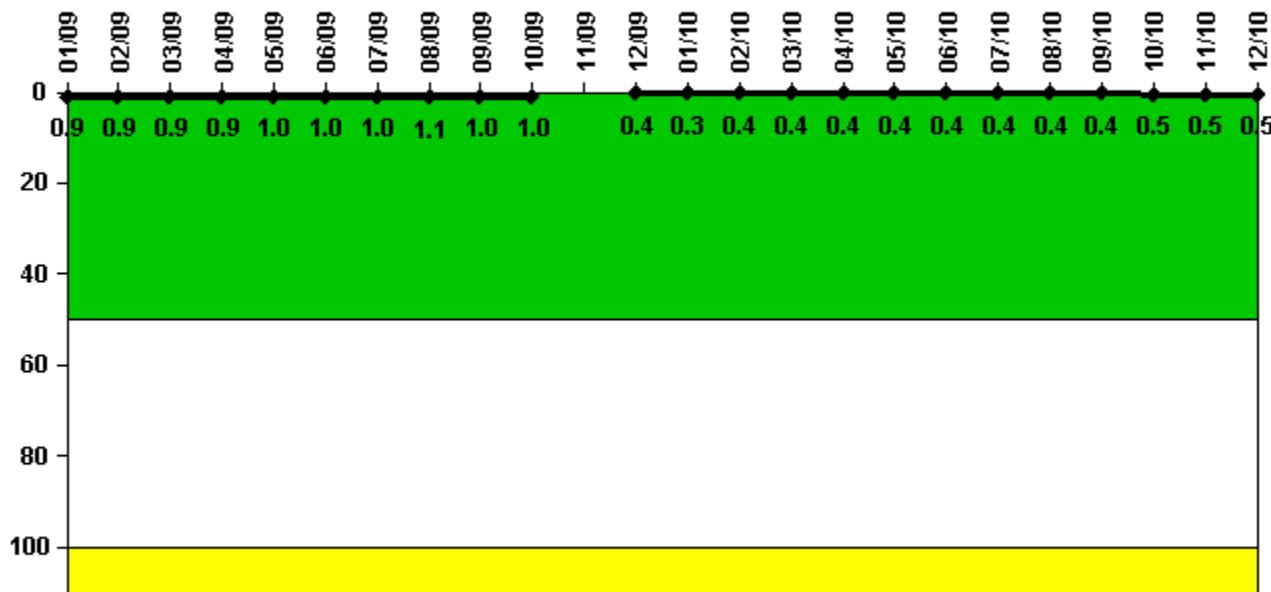
Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	1.00E-08	-3.00E-08						
URI (Δ CDF)	-1.70E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.48E-07	-2.48E-07	-2.48E-07	-2.49E-07
PLE	NO							
Indicator value	-1.60E-07	-2.80E-07						

Licensee Comments:

2Q/10: Planned Unavailability for "B" Component Cooling Water was changed from 0.8 hrs. to 0.0 hours because the system was maintained functional during the maintenance activity.

Reactor Coolant System Activity



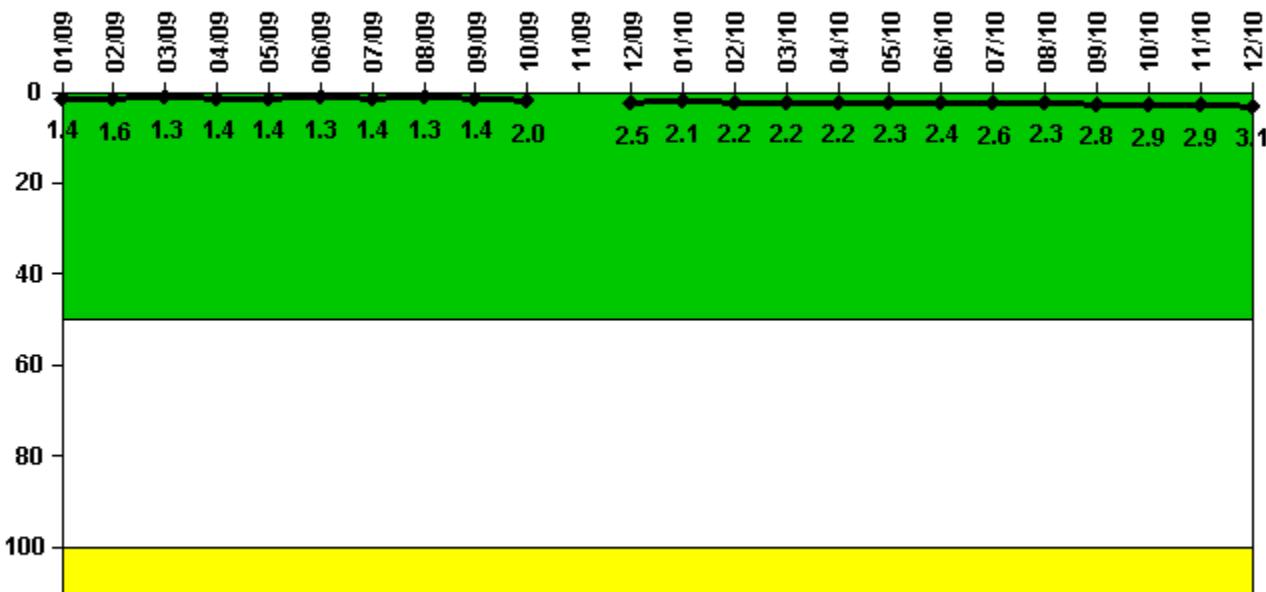
Thresholds: White > 50.0 Yellow > 100.0

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	0.000518	0.000519	0.000547	0.000548	0.000565	0.000571	0.000585	0.000627	0.000615	0.000598	N/A	0.000221
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.0	1.0	N/A	0.4
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	0.000203	0.000208	0.000214	0.000228	0.000235	0.000253	0.000256	0.000248	0.000263	0.000270	0.000271	0.000291
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5

Licensee Comments: none

Reactor Coolant System Leakage



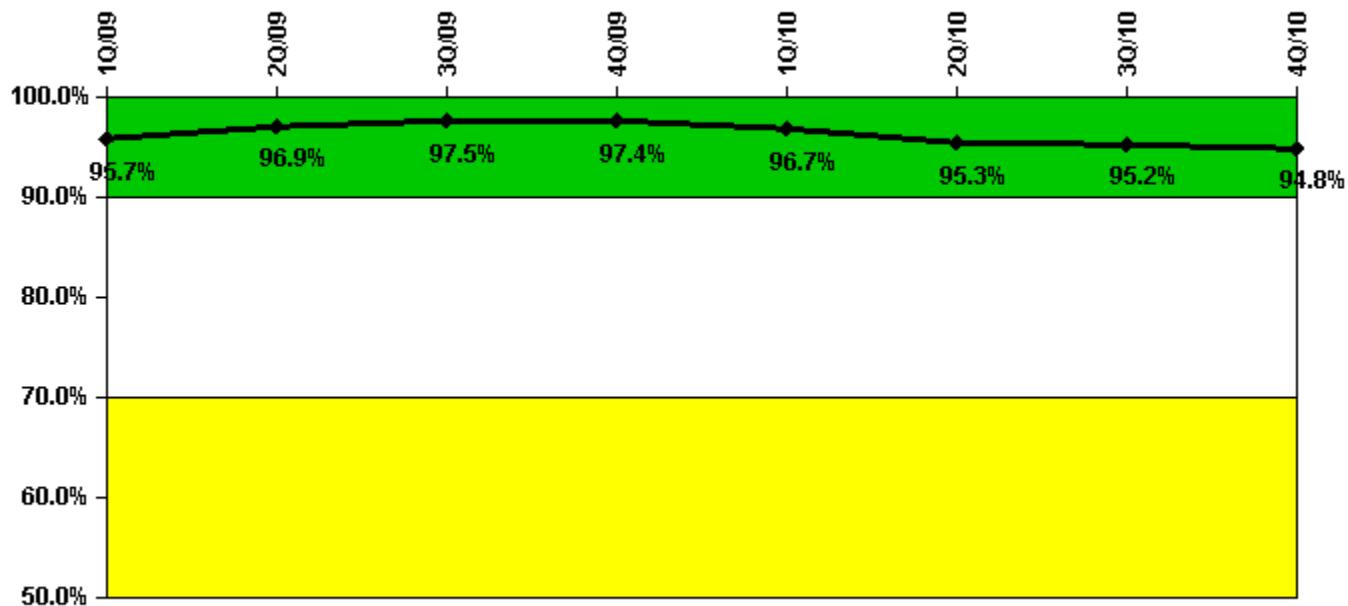
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum leakage	0.140	0.160	0.130	0.140	0.140	0.130	0.140	0.130	0.140	0.200	N/A	0.250
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.4	1.6	1.3	1.4	1.4	1.3	1.4	1.3	1.4	2.0	N/A	2.5
Reactor Coolant System Leakage	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10
Maximum leakage	0.210	0.220	0.220	0.220	0.230	0.240	0.260	0.230	0.280	0.290	0.290	0.310
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.1	2.2	2.2	2.2	2.3	2.4	2.6	2.3	2.8	2.9	2.9	3.1

Licensee Comments: none

Drill/Exercise Performance



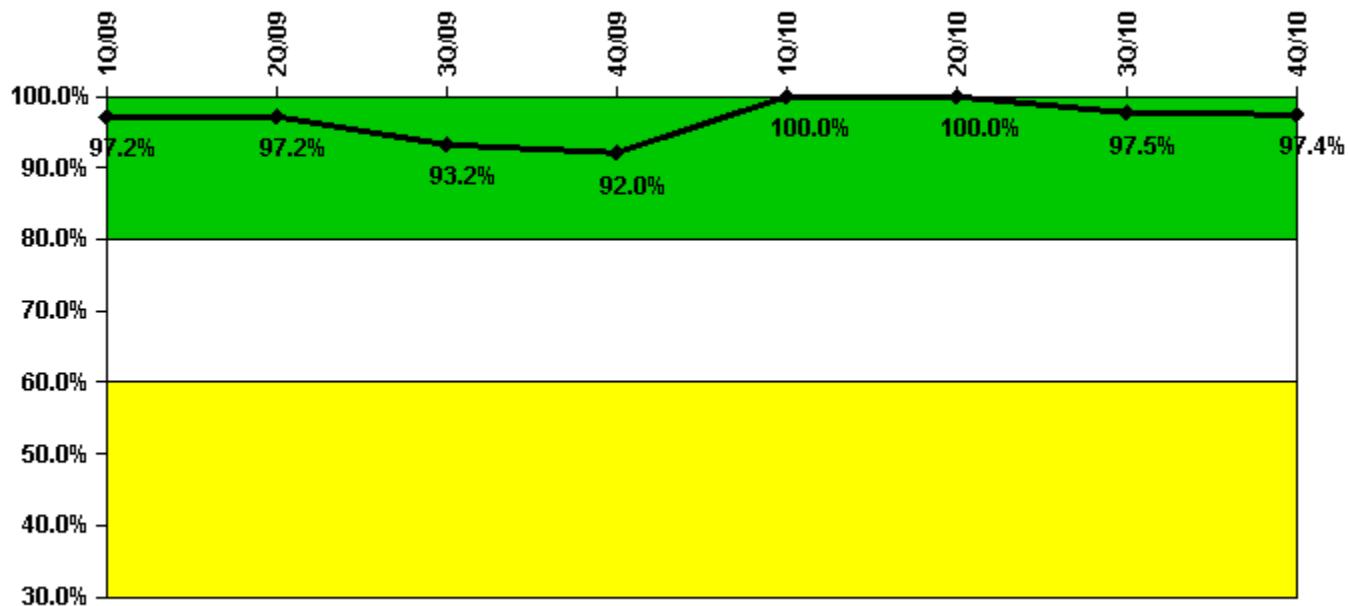
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful opportunities	11.0	24.0	31.0	2.0	38.0	15.0	2.0	23.0
Total opportunities	12.0	24.0	32.0	2.0	40.0	18.0	2.0	24.0
Indicator value	95.7%	96.9%	97.5%	97.4%	96.7%	95.3%	95.2%	94.8%

Licensee Comments: none

ERO Drill Participation



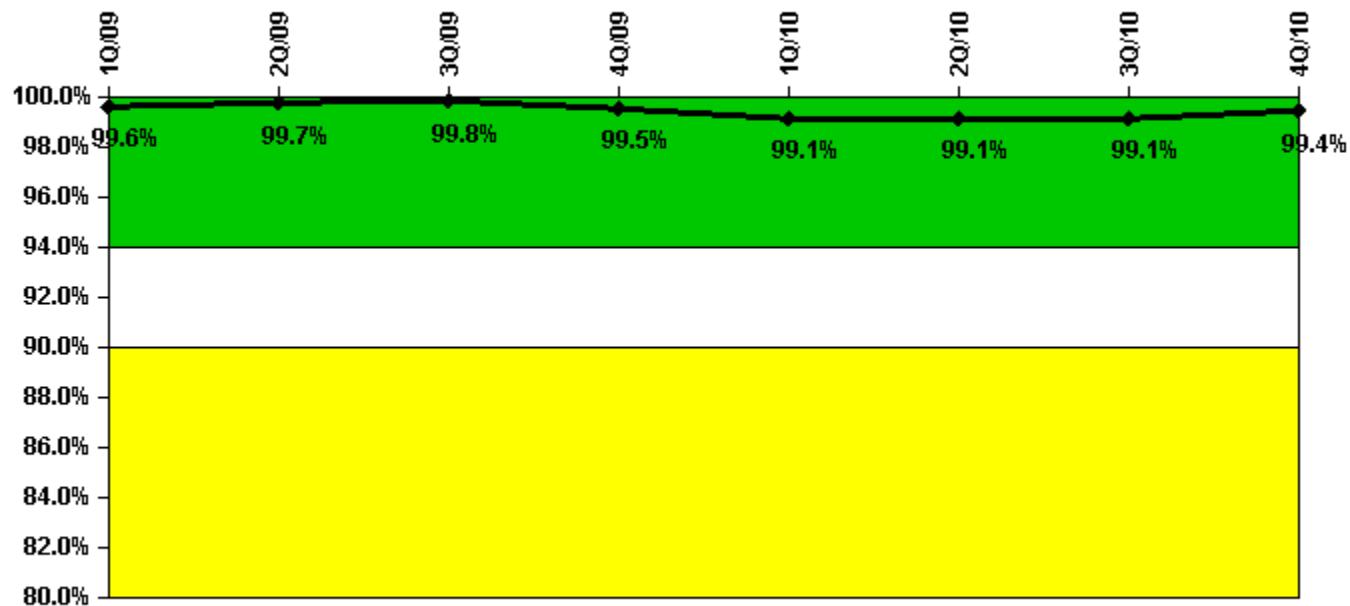
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Participating Key personnel	70.0	69.0	69.0	69.0	71.0	69.0	78.0	76.0
Total Key personnel	72.0	71.0	74.0	75.0	71.0	69.0	80.0	78.0
Indicator value	97.2%	97.2%	93.2%	92.0%	100.0%	100.0%	97.5%	97.4%

Licensee Comments: none

Alert & Notification System



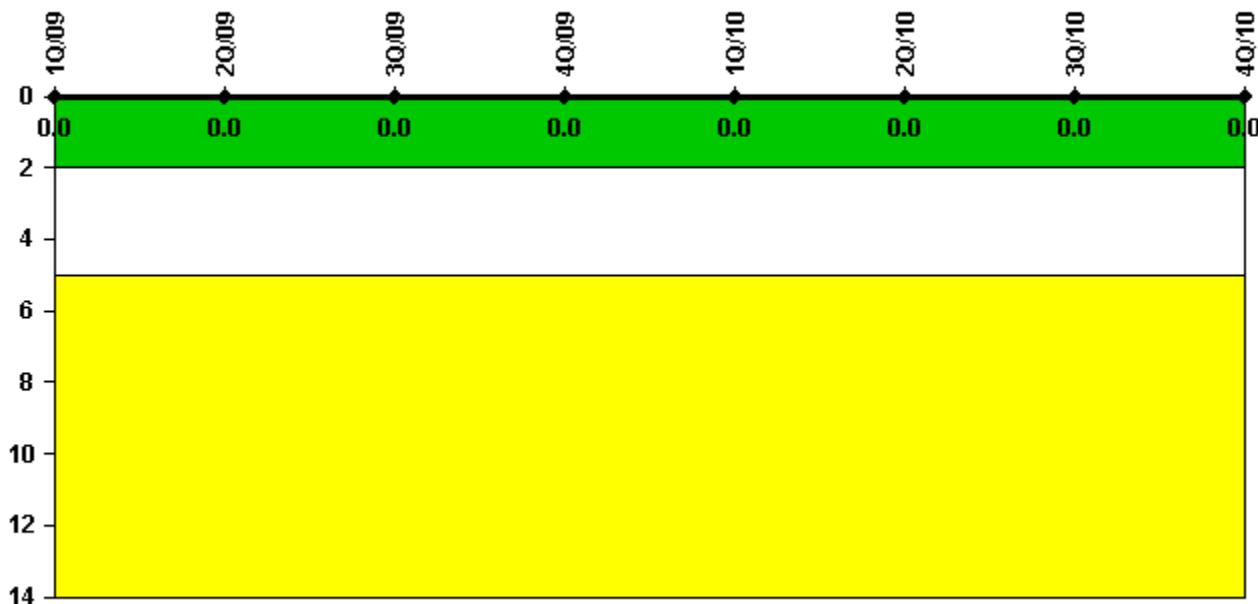
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful siren-tests	845	742	847	729	833	742	846	636
Total sirens-tests	848	742	848	742	848	742	848	636
Indicator value	99.6%	99.7%	99.8%	99.5%	99.1%	99.1%	99.1%	99.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



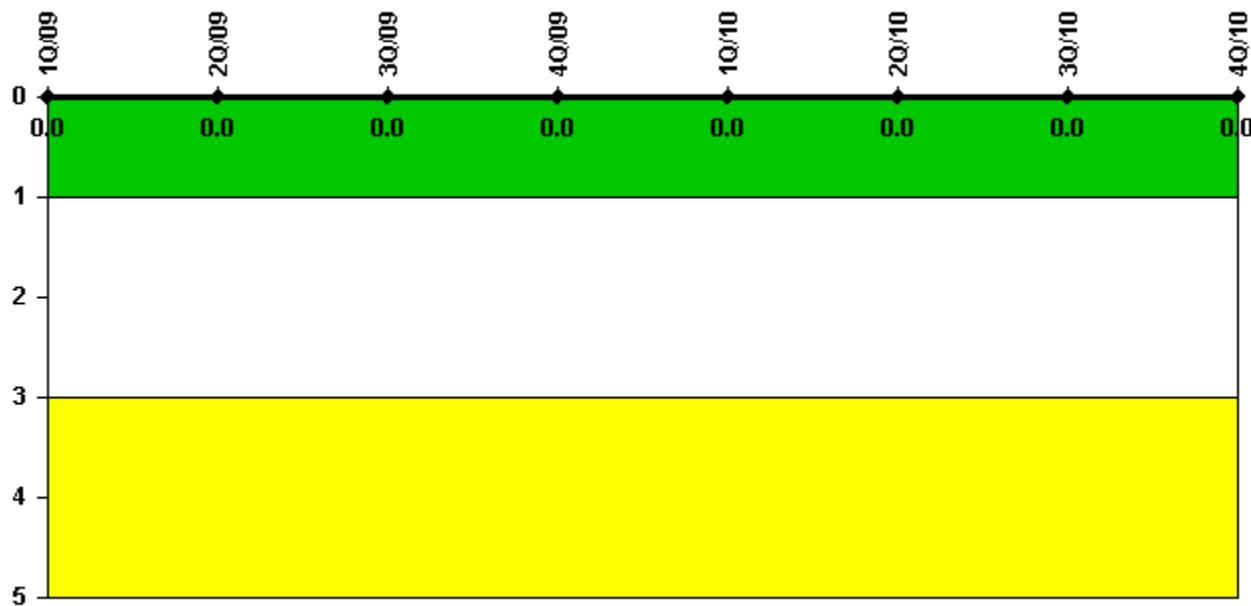
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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.

Summer

1Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



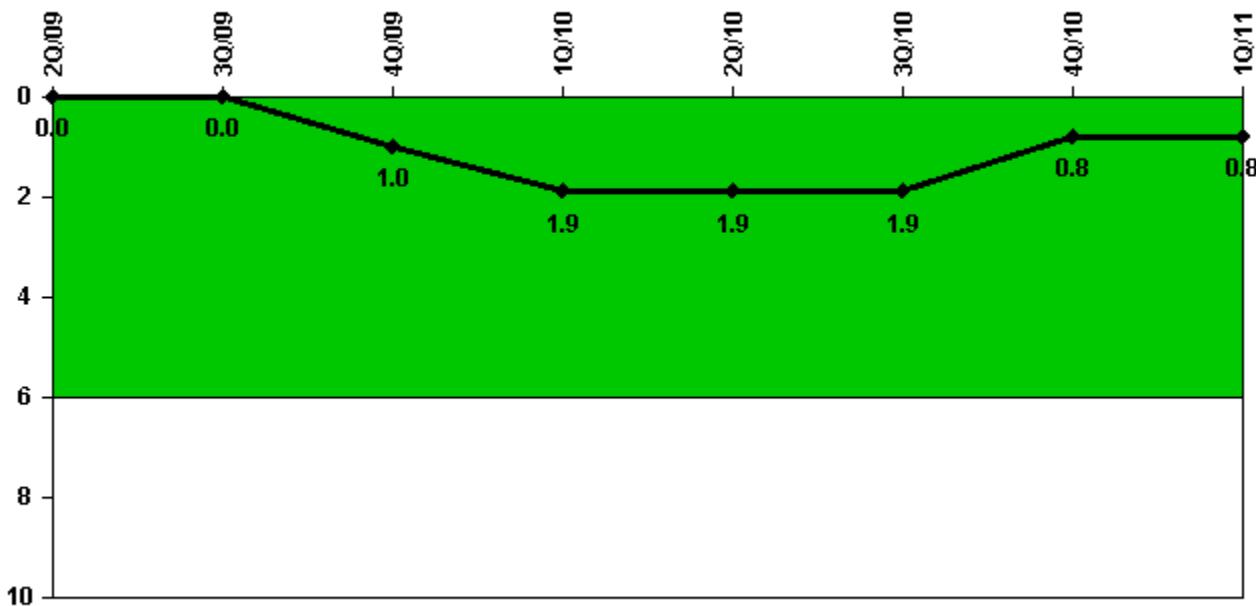
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0	0	0	0	0
Critical hours	2184.0	2208.0	688.6	2159.0	2184.0	2157.5	2209.0	2118.4
Indicator value	0	0	1.9	1.9	1.9	1.9	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



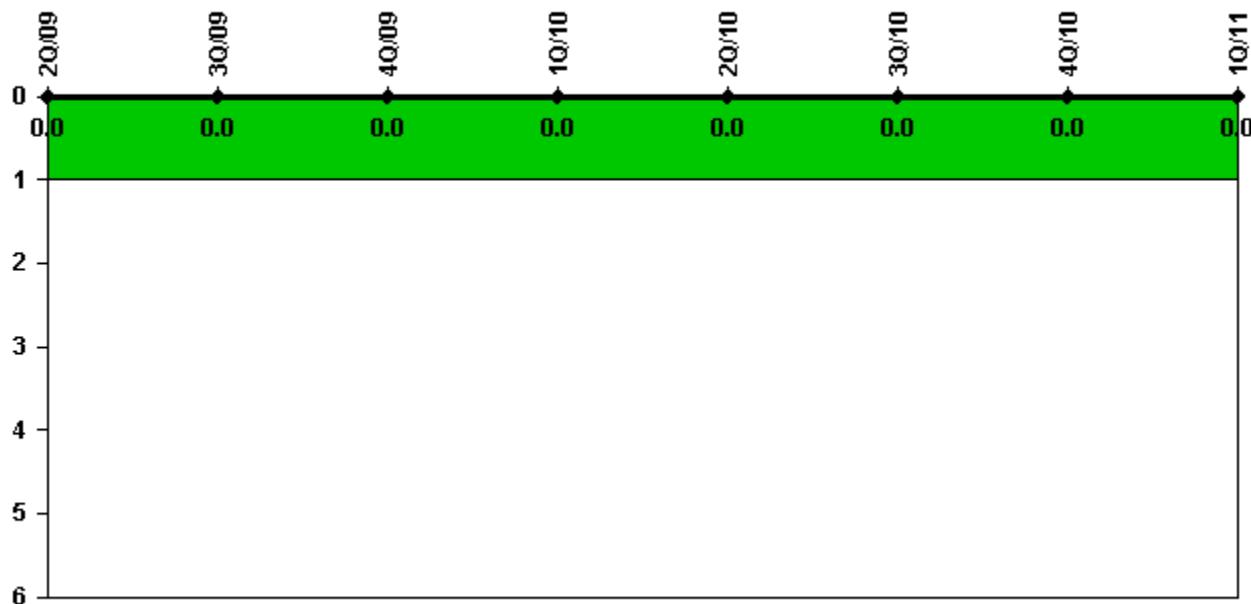
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Unplanned power changes	0	0	1.0	1.0	0	0	0	1.0
Critical hours	2184.0	2208.0	688.6	2159.0	2184.0	2157.5	2209.0	2118.4
Indicator value	0	0	1.0	1.9	1.9	1.9	0.8	0.8

Licensee Comments: none

Unplanned Scrams with Complications



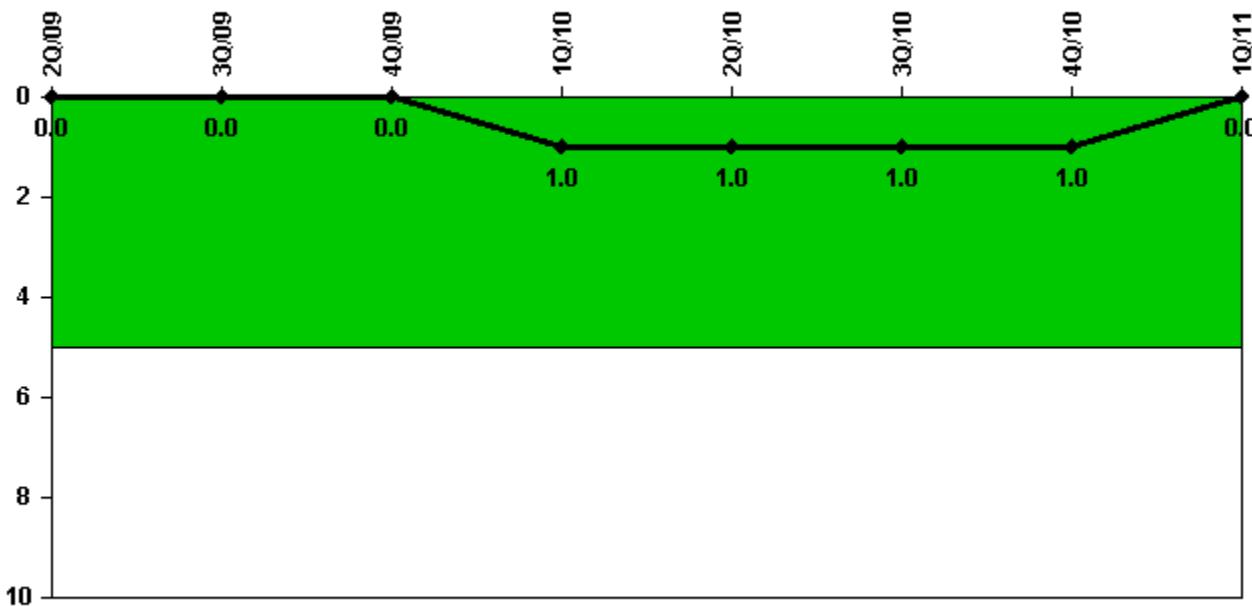
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



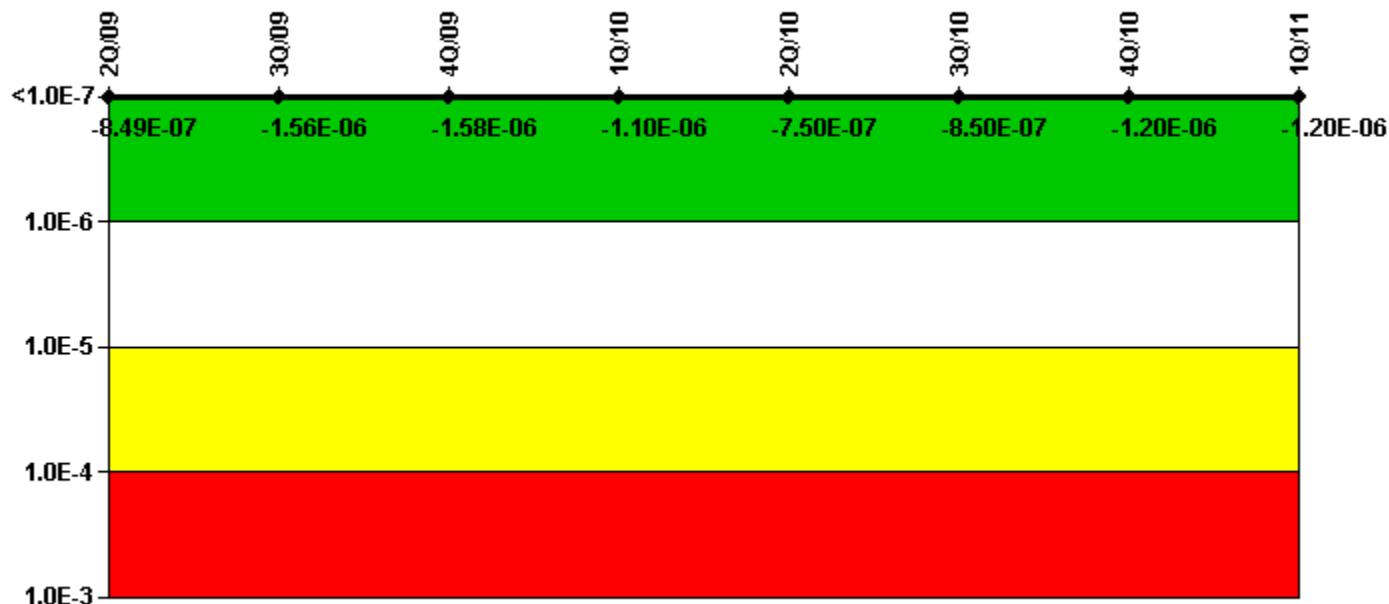
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Safety System Functional Failures	0	0	0	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

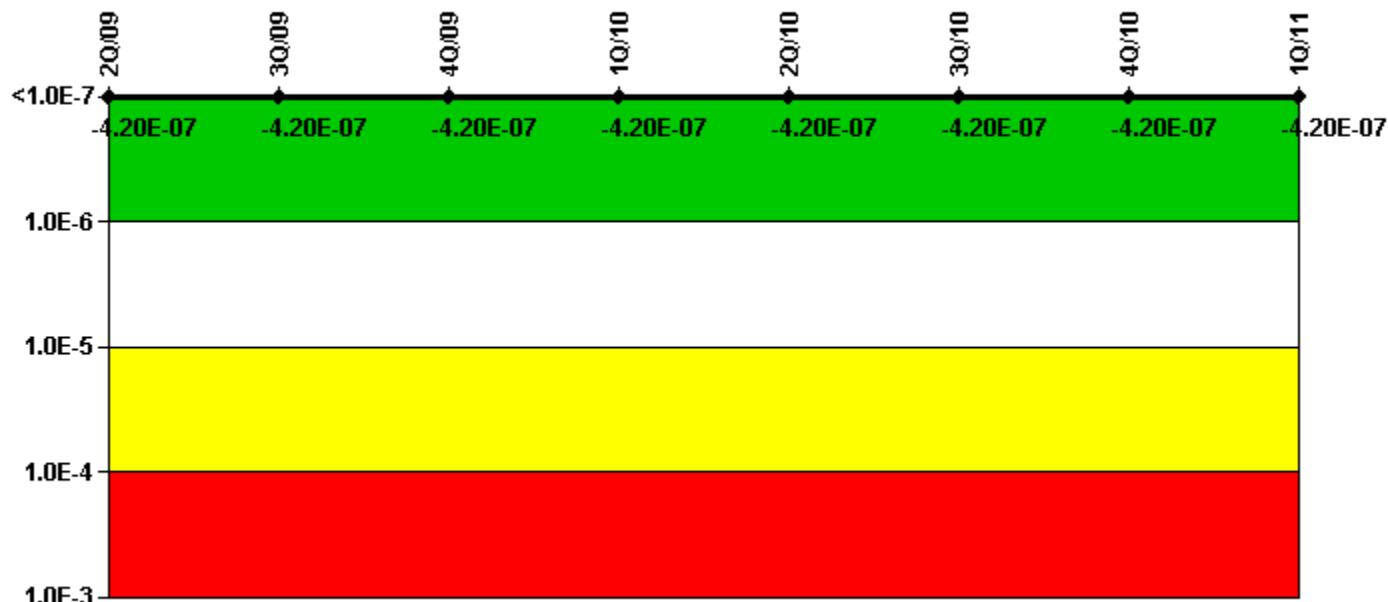
Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	9.10E-08	4.50E-08	2.00E-08	-3.97E-08	3.57E-07	2.62E-07	-1.33E-07	-1.33E-07
URI (Δ CDF)	-9.40E-07	-1.60E-06	-1.60E-06	-1.11E-06	-1.11E-06	-1.11E-06	-1.11E-06	-1.11E-06
PLE	NO							
Indicator value	-8.49E-07	-1.56E-06	-1.58E-06	-1.10E-06	-7.50E-07	-8.50E-07	-1.20E-06	-1.20E-06

Licensee Comments:

1Q/11: Risk Cap Invoked. Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve.

Mitigating Systems Performance Index, High Pressure Injection System



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

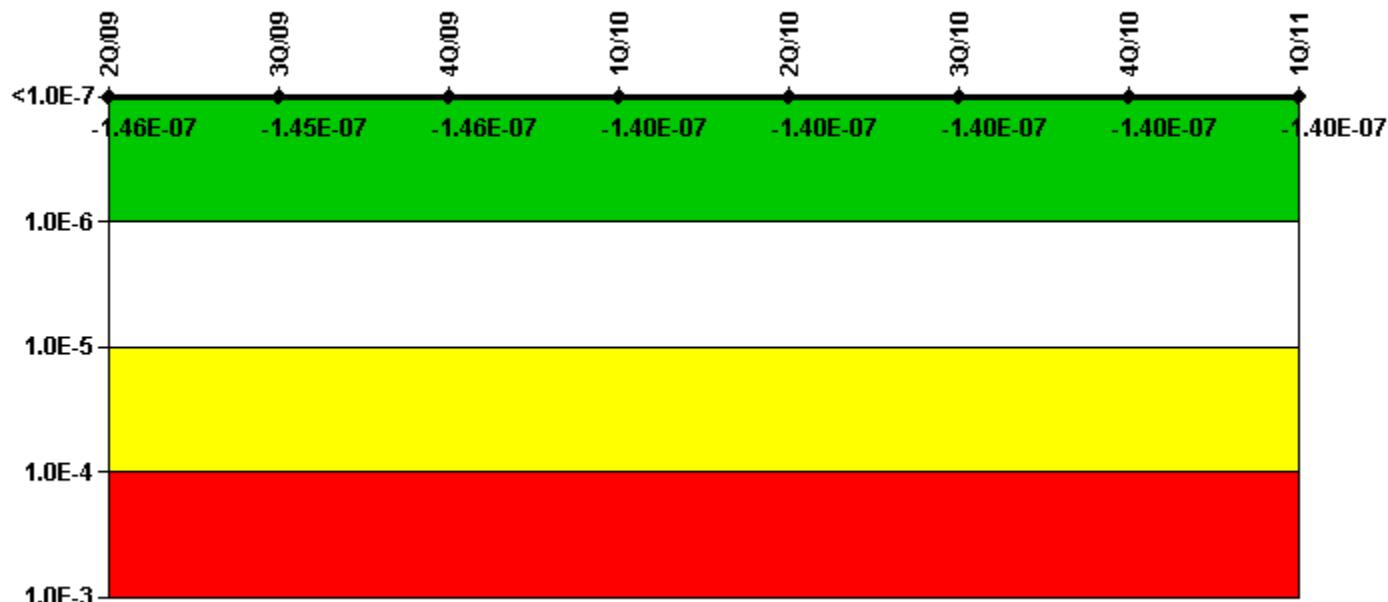
Notes

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 (Δ CDF)	-1.70E-07	-1.70E-07	-1.70E-07	-1.66E-07	-1.66E-07	-1.66E-07	-1.66E-07	-1.66E-07
URI (Δ CDF)	-2.50E-07	-2.50E-07	-2.50E-07	-2.54E-07	-2.54E-07	-2.54E-07	-2.55E-07	-2.55E-07
PLE	NO							
Indicator value	-4.20E-07							

Licensee Comments:

1Q/11: Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve.

Mitigating Systems Performance Index, Heat Removal System



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

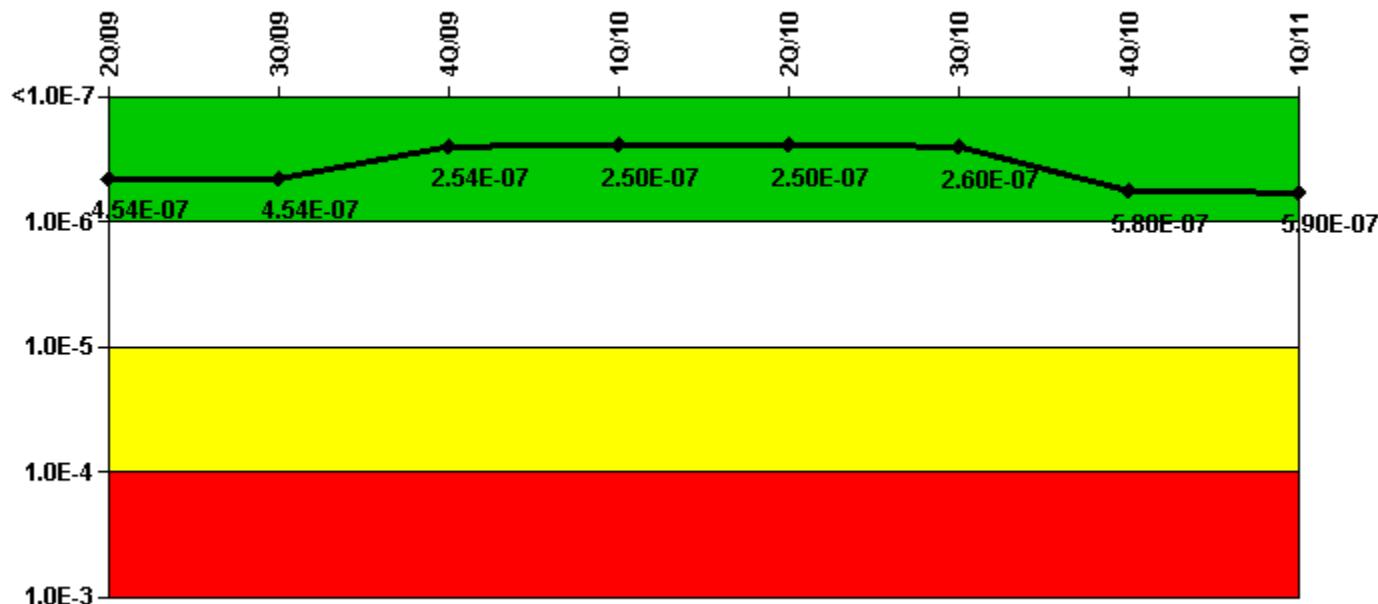
Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	-2.60E-08	-2.50E-08	-2.60E-08	-2.63E-08	-2.50E-08	-2.50E-08	-2.52E-08	-2.52E-08
URI (Δ CDF)	-1.20E-07	-1.20E-07	-1.20E-07	-1.18E-07	-1.18E-07	-1.18E-07	-1.18E-07	-1.18E-07
PLE	NO							
Indicator value	-1.46E-07	-1.45E-07	-1.46E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07

Licensee Comments:

1Q/11: Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve.

Mitigating Systems Performance Index, Residual Heat Removal System



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

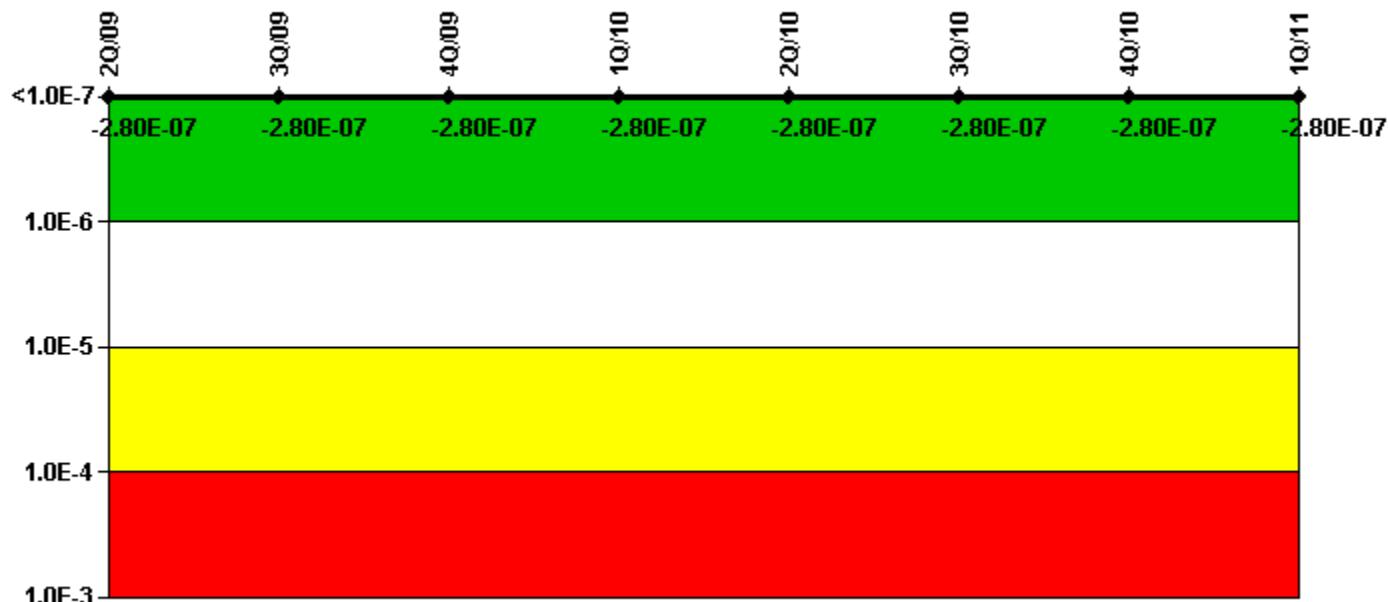
Notes

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 (Δ CDF)	-1.60E-08	-1.60E-08	-1.60E-08	-1.60E-08	-1.56E-08	-9.51E-09	1.13E-09	1.02E-08
URI (Δ CDF)	4.70E-07	4.70E-07	2.70E-07	2.70E-07	2.70E-07	2.70E-07	5.76E-07	5.76E-07
PLE	NO							
Indicator value	4.54E-07	4.54E-07	2.54E-07	2.50E-07	2.50E-07	2.60E-07	5.80E-07	5.90E-07

Licensee Comments:

1Q/11: Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve

Mitigating Systems Performance Index, Cooling Water Systems



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

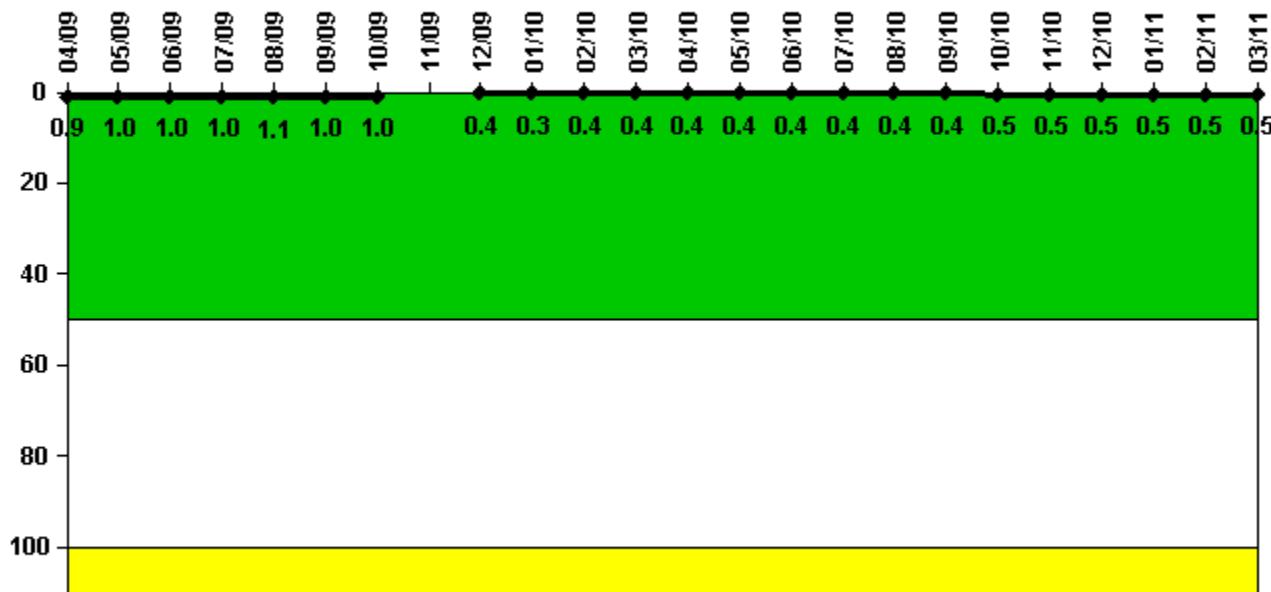
Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	-3.00E-08							
URI (Δ CDF)	-2.50E-07	-2.50E-07	-2.50E-07	-2.48E-07	-2.48E-07	-2.48E-07	-2.49E-07	-2.49E-07
PLE	NO							
Indicator value	-2.80E-07							

Licensee Comments:

1Q/11: Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve

Reactor Coolant System Activity



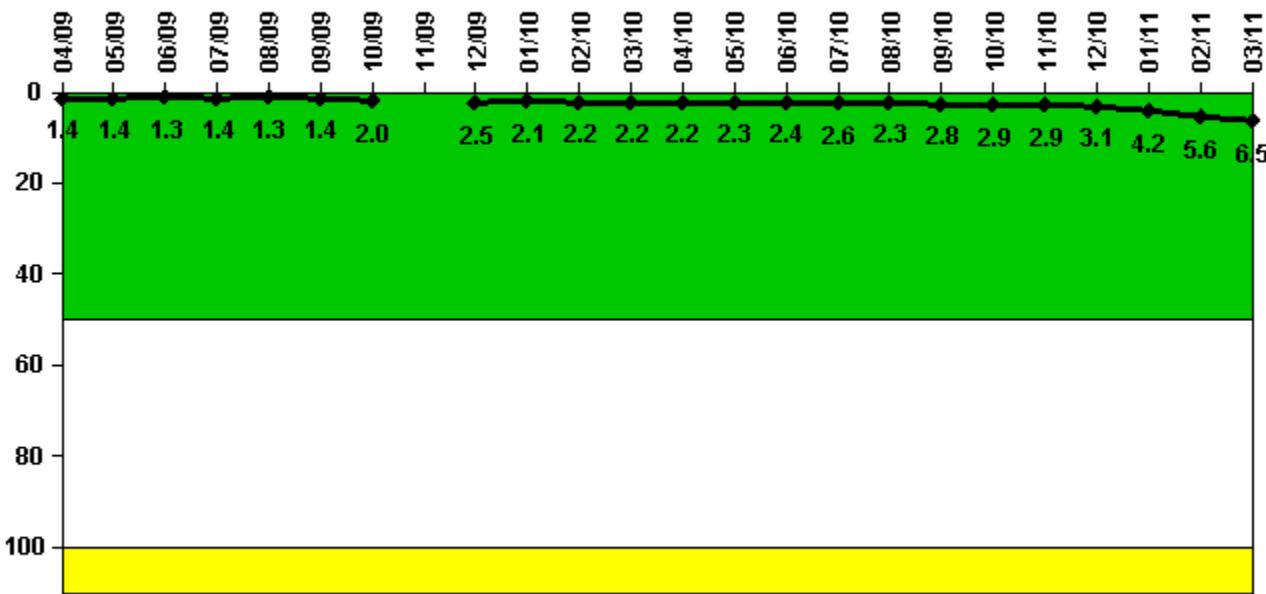
Thresholds: White > 50.0 Yellow > 100.0

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	0.000548	0.000565	0.000571	0.000585	0.000627	0.000615	0.000598	N/A	0.000221	0.000203	0.000208	0.000214
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.9	1.0	1.0	1.0	1.1	1.0	1.0	N/A	0.4	0.3	0.4	0.4
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	0.000228	0.000235	0.000253	0.000256	0.000248	0.000263	0.000270	0.000271	0.000291	0.000300	0.000322	0.000309
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5

Licensee Comments: none

Reactor Coolant System Leakage



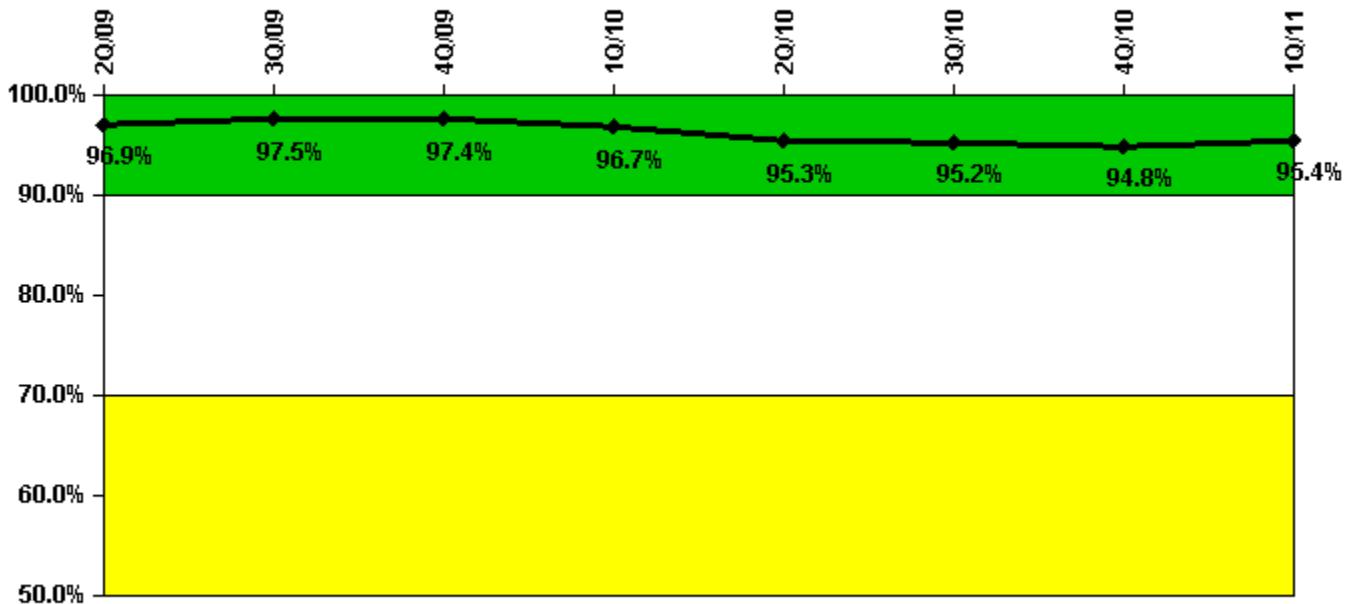
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum leakage	0.140	0.140	0.130	0.140	0.130	0.140	0.200	N/A	0.250	0.210	0.220	0.220
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.4	1.4	1.3	1.4	1.3	1.4	2.0	N/A	2.5	2.1	2.2	2.2
Reactor Coolant System Leakage	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum leakage	0.220	0.230	0.240	0.260	0.230	0.280	0.290	0.290	0.310	0.420	0.560	0.650
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.2	2.3	2.4	2.6	2.3	2.8	2.9	2.9	3.1	4.2	5.6	6.5

Licensee Comments: none

Drill/Exercise Performance



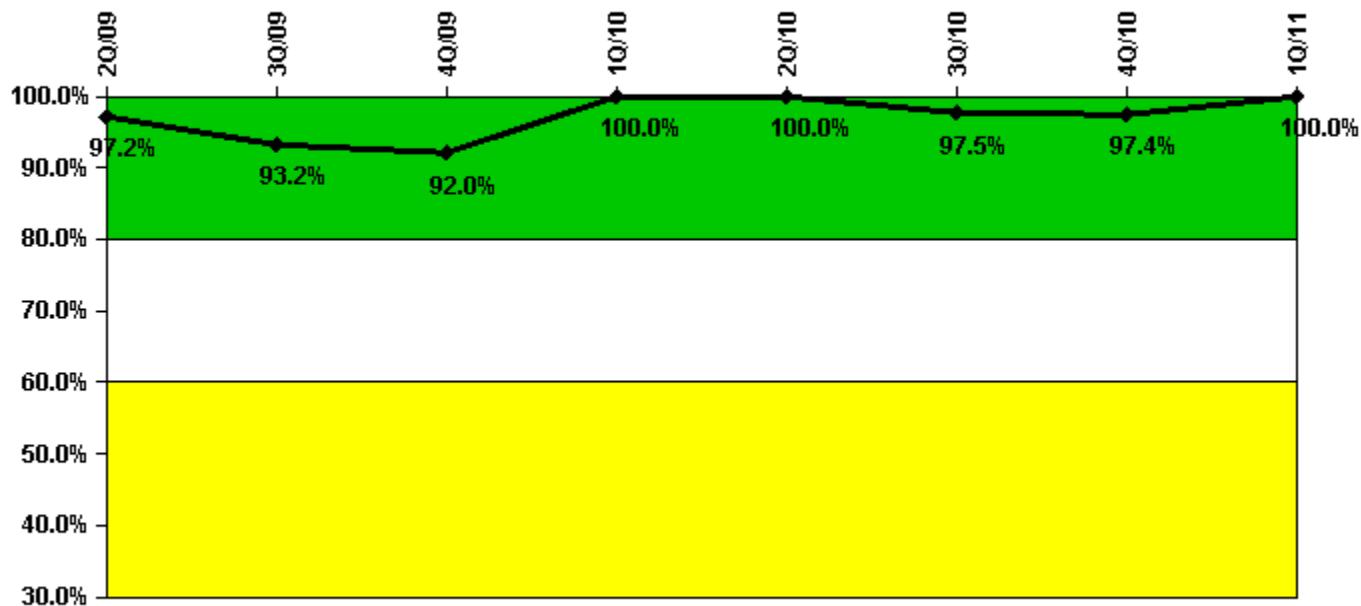
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful opportunities	24.0	31.0	2.0	38.0	15.0	2.0	23.0	10.0
Total opportunities	24.0	32.0	2.0	40.0	18.0	2.0	24.0	10.0
Indicator value	96.9%	97.5%	97.4%	96.7%	95.3%	95.2%	94.8%	95.4%

Licensee Comments: none

ERO Drill Participation



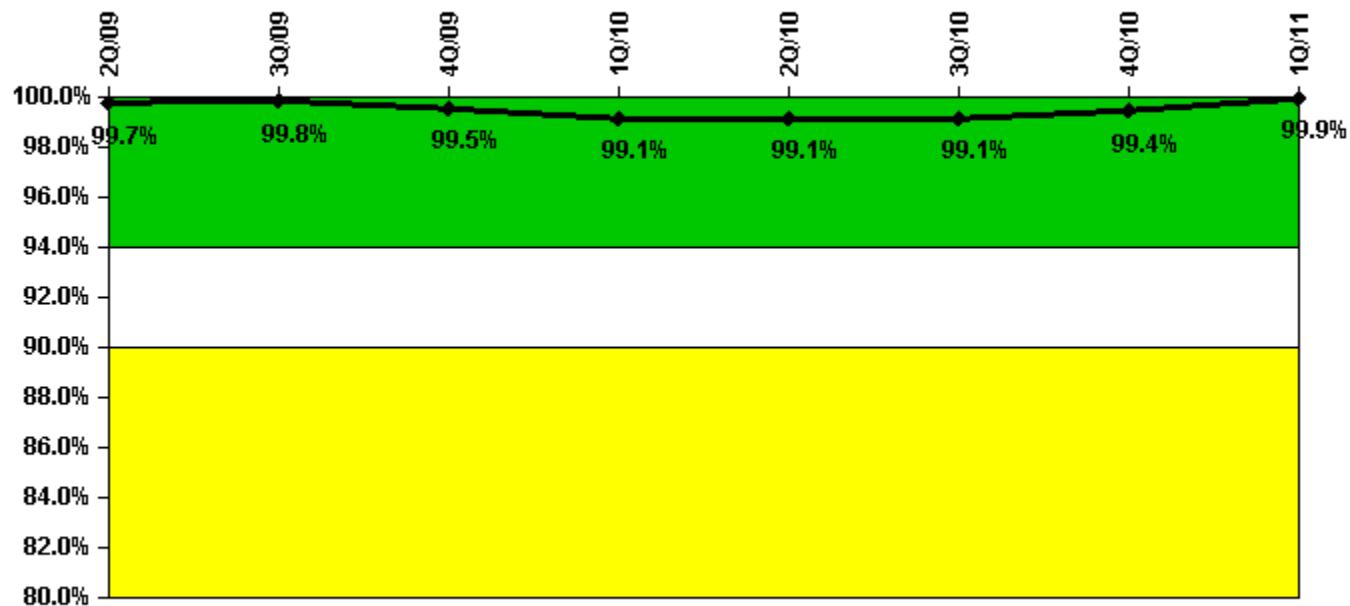
Thresholds: White < 80.0% Yellow < 60.0%

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	69.0	71.0	69.0	78.0	76.0	78.0
Total Key personnel	71.0	74.0	75.0	71.0	69.0	80.0	78.0	78.0
Indicator value	97.2%	93.2%	92.0%	100.0%	100.0%	97.5%	97.4%	100.0%

Licensee Comments: none

Alert & Notification System



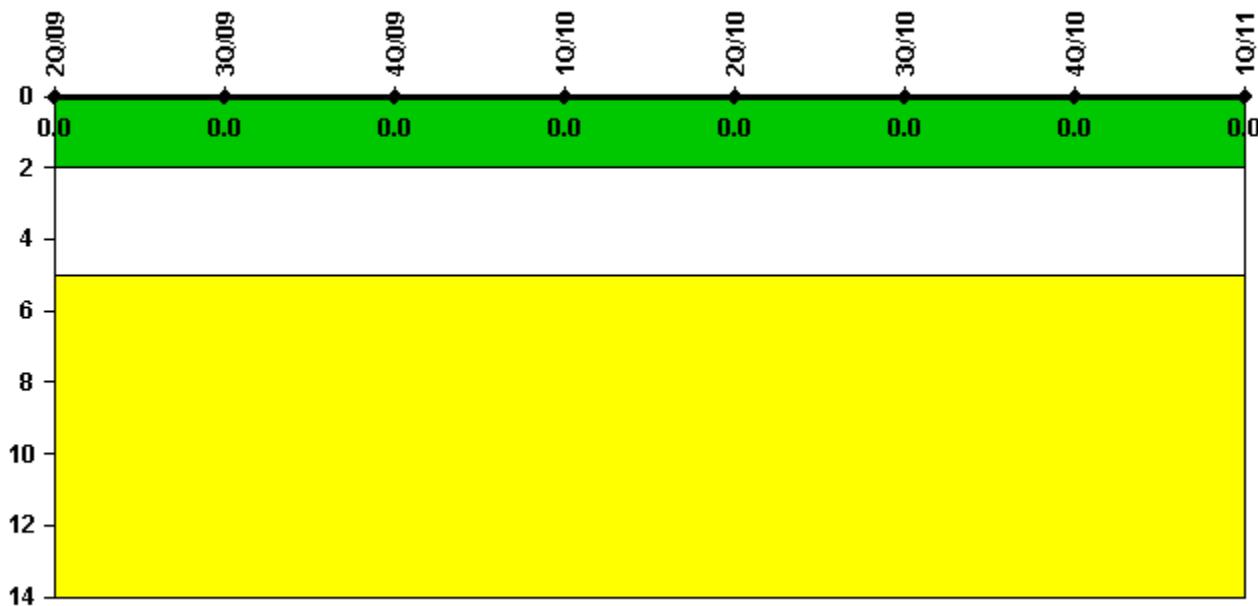
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful siren-tests	742	847	729	833	742	846	636	847
Total sirens-tests	742	848	742	848	742	848	636	848
Indicator value	99.7%	99.8%	99.5%	99.1%	99.1%	99.1%	99.4%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



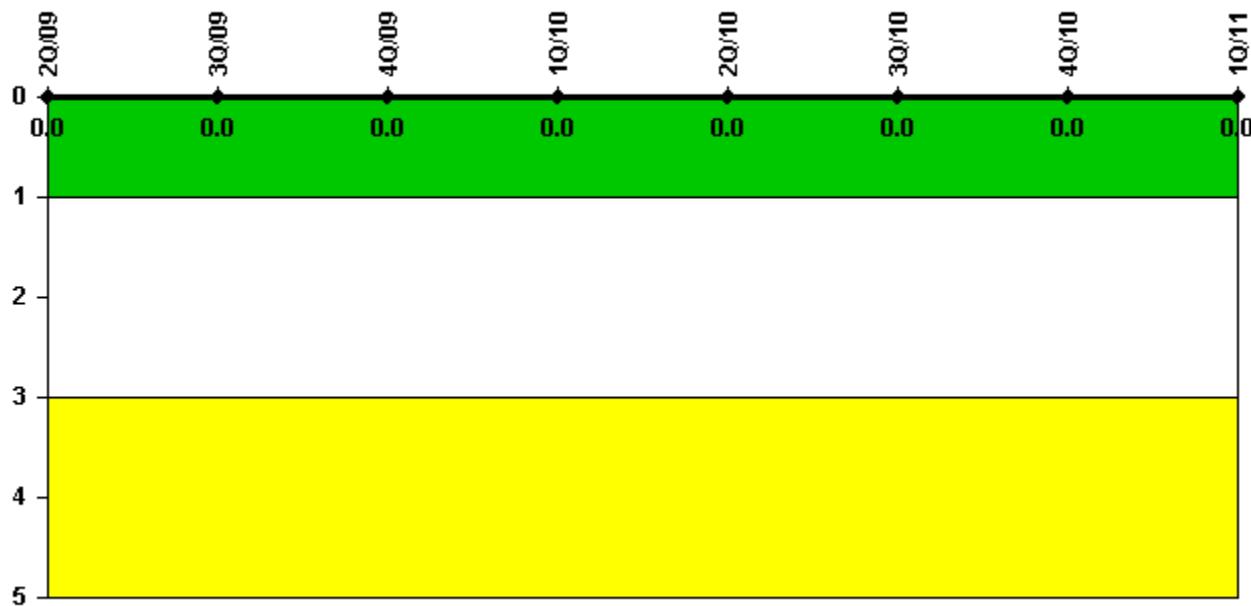
Thresholds: White > 2.0 Yellow > 5.0

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							

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

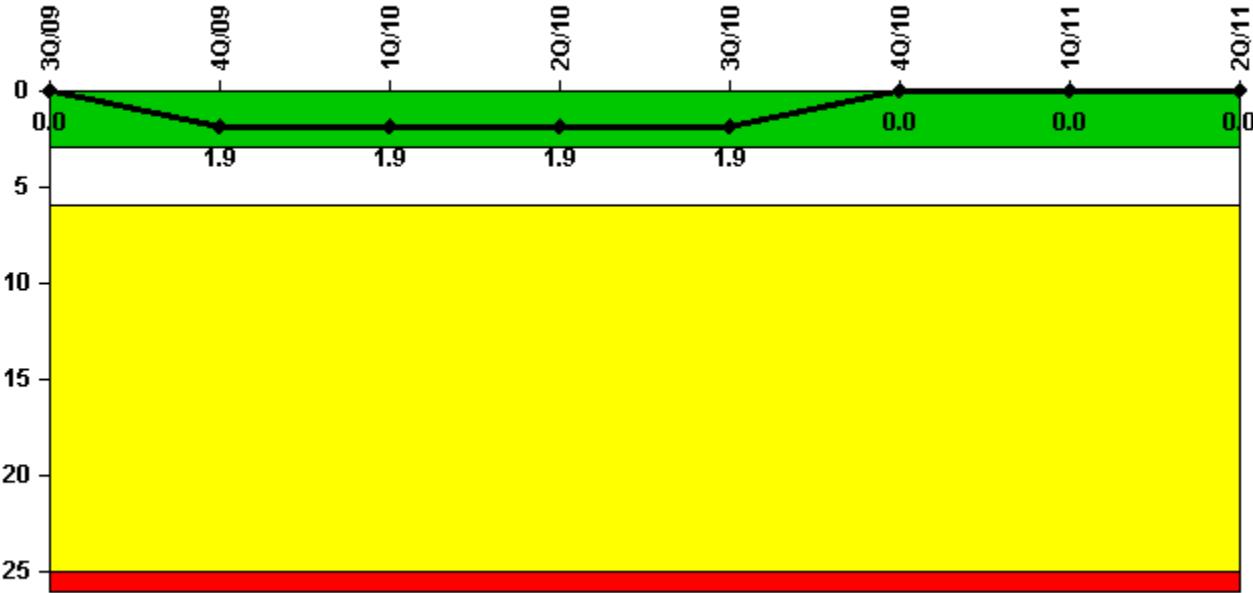
[Security](#) information not publicly available.

Summer

2Q/2011 Performance Indicators

Licensee's General Comments: Unplanned power change on April 14, 2011 due to loss of Generator Breaker Cooling. Unplanned power change on June 15, 2011 due to Main Generator Hydrogen Cooler cooling water leak.

Unplanned Scrams per 7000 Critical Hrs



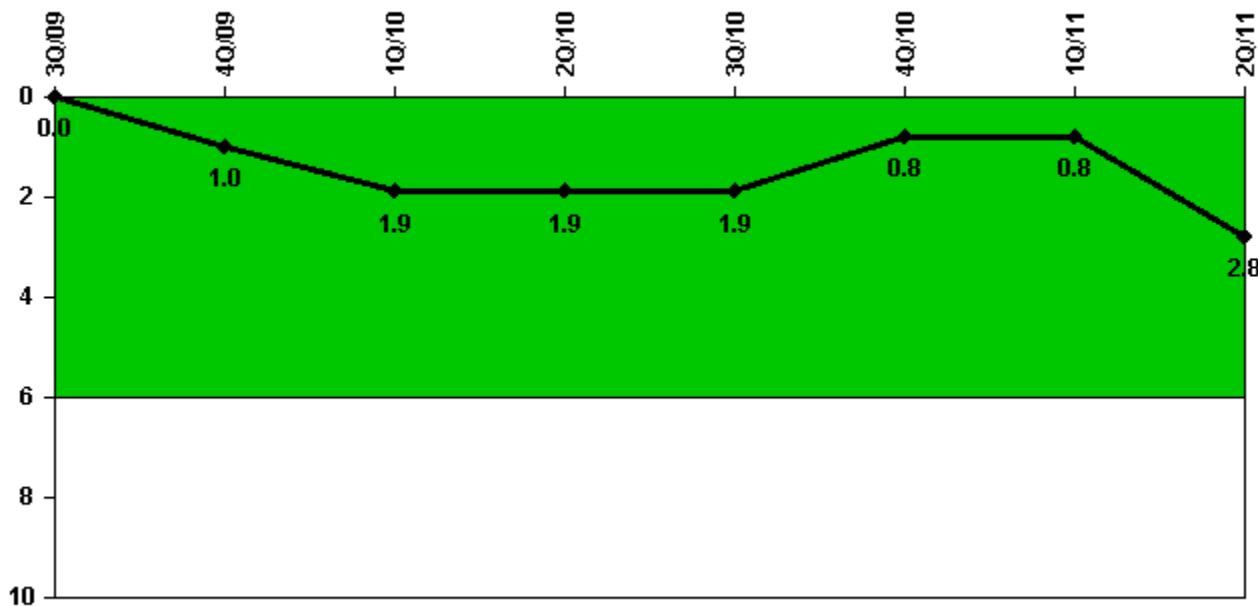
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0	0	0	0	0	0
Critical hours	2208.0	688.6	2159.0	2184.0	2157.5	2209.0	2118.4	1136.4
Indicator value	0	1.9	1.9	1.9	1.9	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



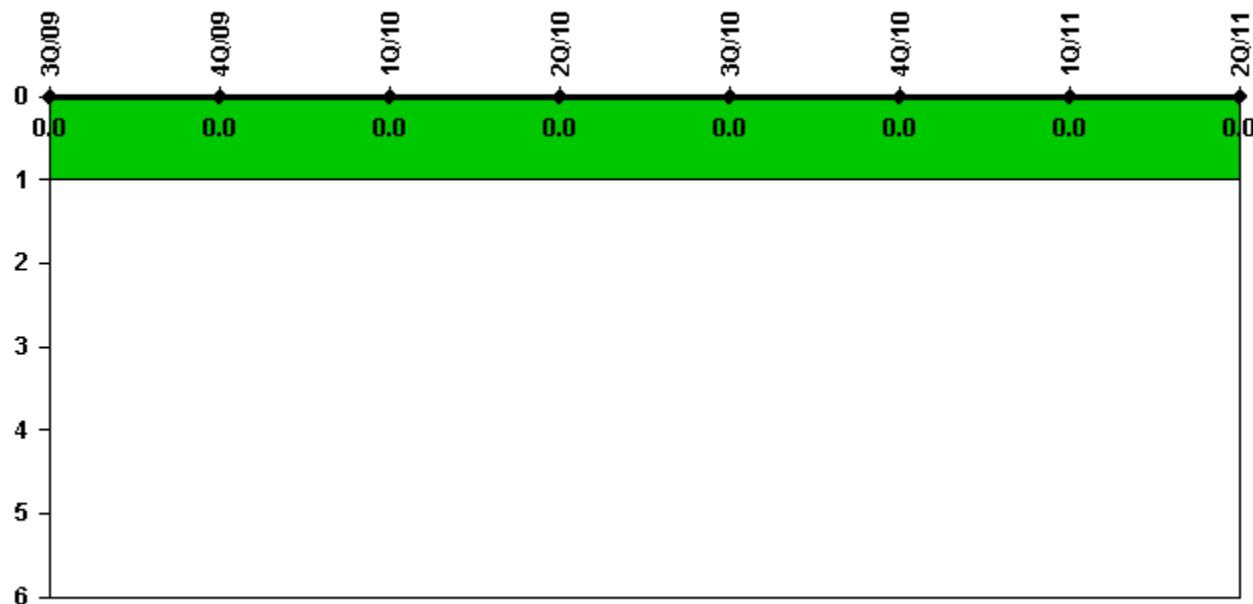
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned power changes	0	1.0	1.0	0	0	0	1.0	2.0
Critical hours	2208.0	688.6	2159.0	2184.0	2157.5	2209.0	2118.4	1136.4
Indicator value	0	1.0	1.9	1.9	1.9	0.8	0.8	2.8

Licensee Comments: none

Unplanned Scrams with Complications



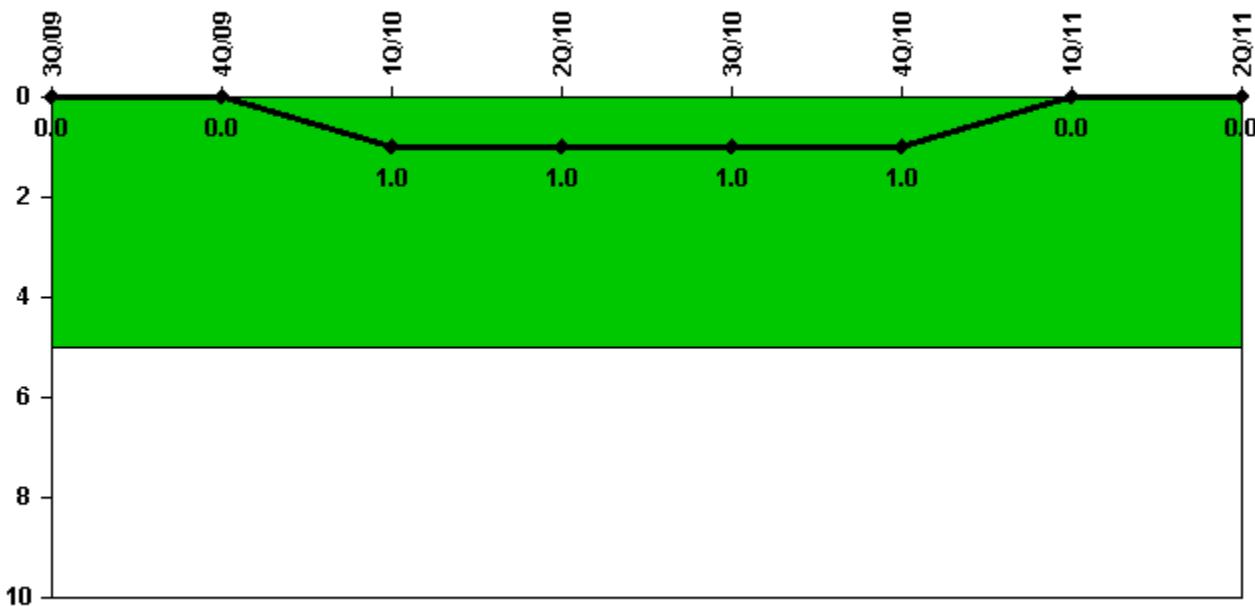
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



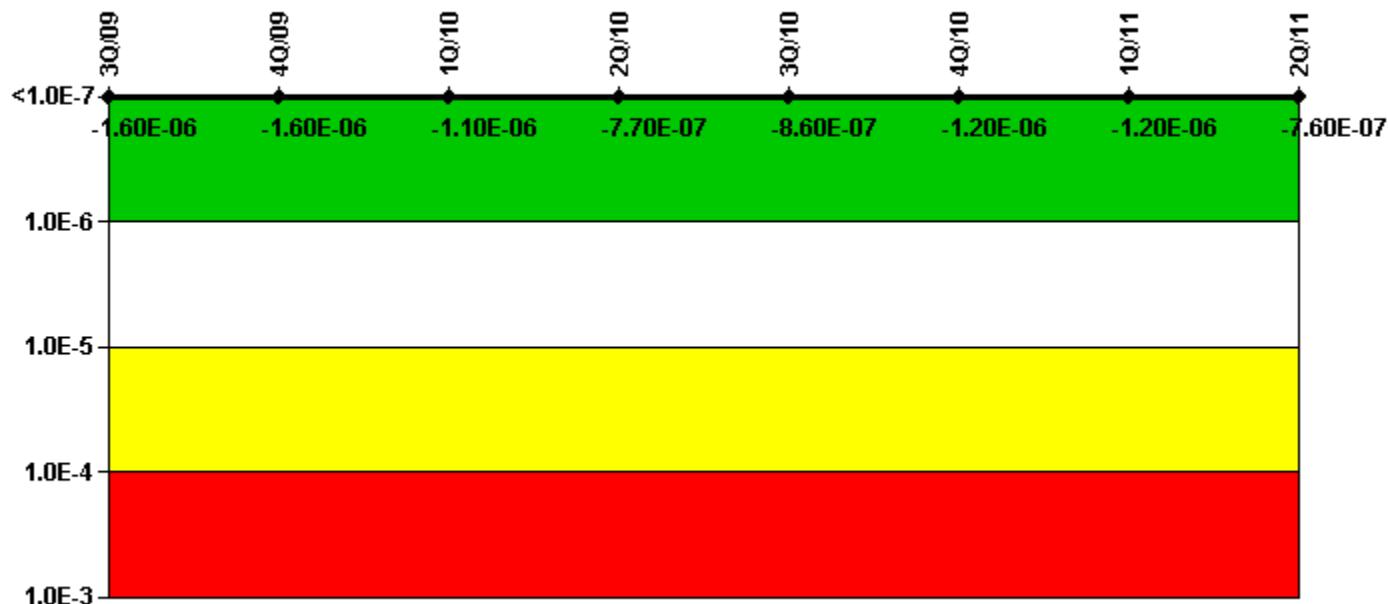
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Safety System Functional Failures	0	0	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/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	2.78E-08	3.01E-09	-3.97E-08	3.40E-07	2.44E-07	-1.33E-07	-1.33E-07	-9.69E-08
URI (Δ CDF)	-1.62E-06	-1.61E-06	-1.11E-06	-1.11E-06	-1.11E-06	-1.11E-06	-1.11E-06	-6.60E-07
PLE	NO							
Indicator value	-1.60E-06	-1.60E-06	-1.10E-06	-7.70E-07	-8.60E-07	-1.20E-06	-1.20E-06	-7.60E-07

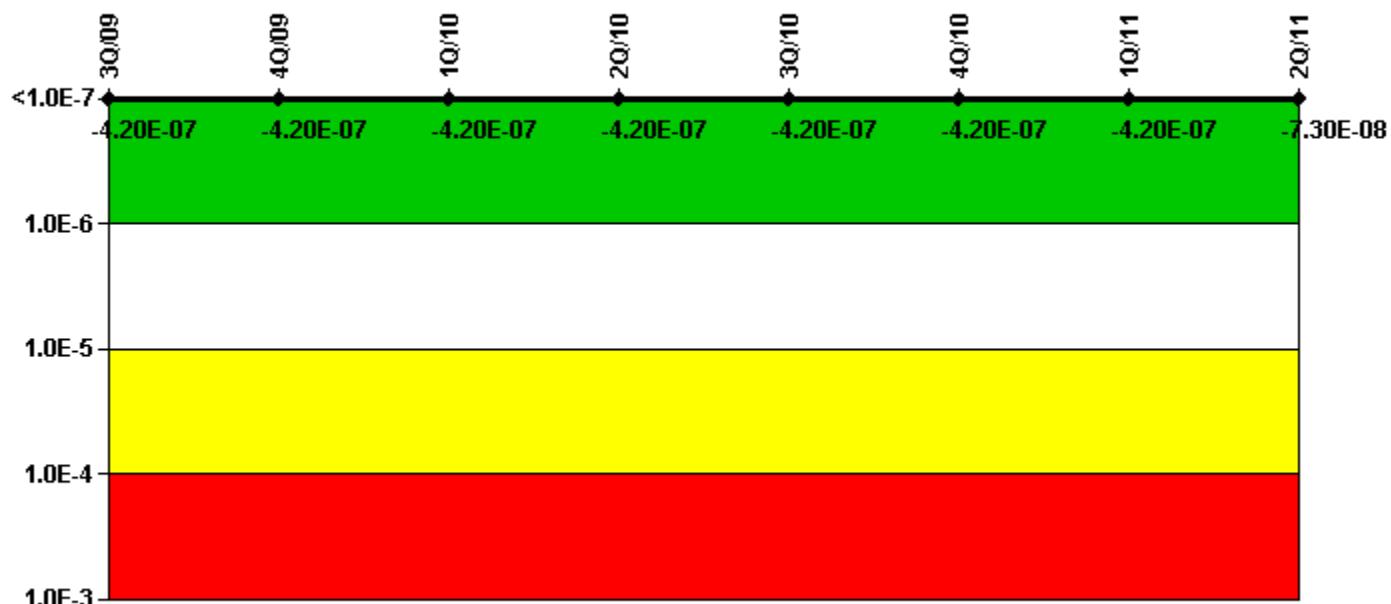
Licensee Comments:

2Q/11: Risk Cap Invoked.

3Q/10: Risk Cap Invoked. Changed CDE MSPI coefficients and the MSPI Basis Document to adjust PRA modeling for a plant modification which added a second instrument air dryer and to update planned EDG online overhaul train unavailability.

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/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	-1.70E-07	-1.70E-07	-1.66E-07	-1.66E-07	-1.66E-07	-1.66E-07	-1.66E-07	-7.36E-09
URI (Δ CDF)	-2.50E-07	-2.50E-07	-2.54E-07	-2.54E-07	-2.54E-07	-2.55E-07	-2.55E-07	-6.60E-08
PLE	NO							
Indicator value	-4.20E-07	-7.30E-08						

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



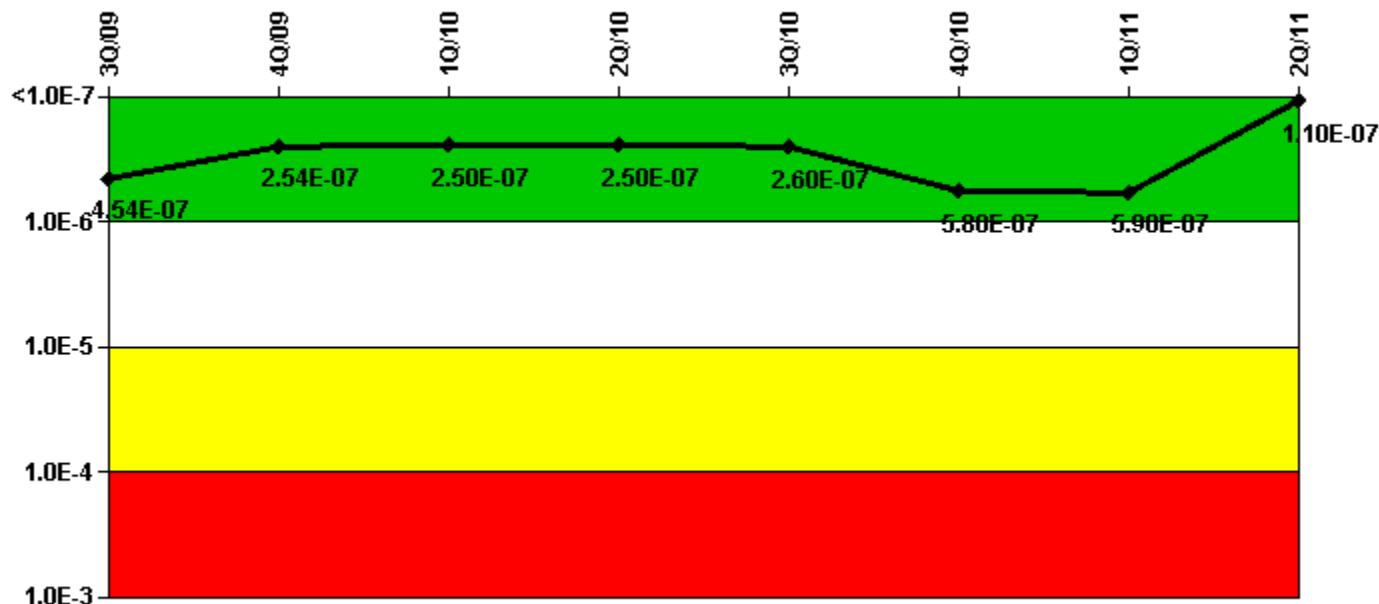
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	-2.50E-08	-2.60E-08	-2.63E-08	-2.50E-08	-2.50E-08	-2.52E-08	-2.52E-08	-2.05E-08
URI (Δ CDF)	-1.20E-07	-1.20E-07	-1.18E-07	-1.18E-07	-1.18E-07	-1.18E-07	-1.18E-07	-1.17E-07
PLE	NO							
Indicator value	-1.45E-07	-1.46E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



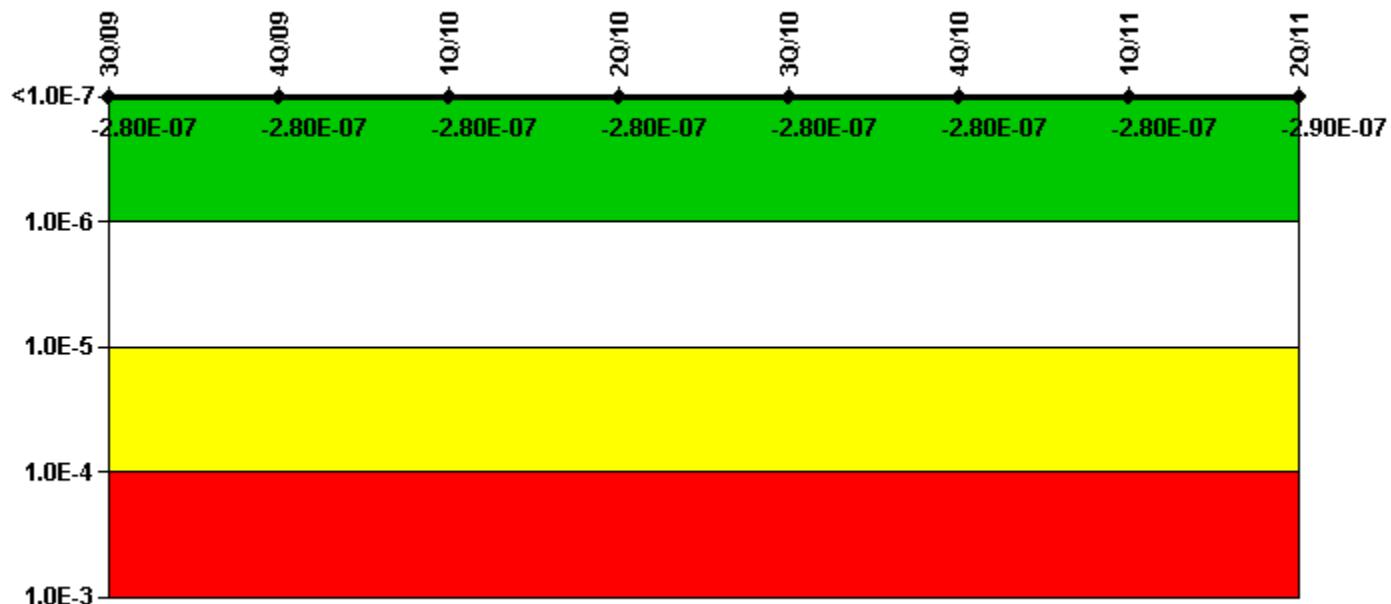
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	-1.60E-08	-1.60E-08	-1.60E-08	-1.56E-08	-9.51E-09	1.13E-09	1.02E-08	4.01E-09
URI (Δ CDF)	4.70E-07	2.70E-07	2.70E-07	2.70E-07	2.70E-07	5.76E-07	5.76E-07	1.01E-07
PLE	NO							
Indicator value	4.54E-07	2.54E-07	2.50E-07	2.50E-07	2.60E-07	5.80E-07	5.90E-07	1.10E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



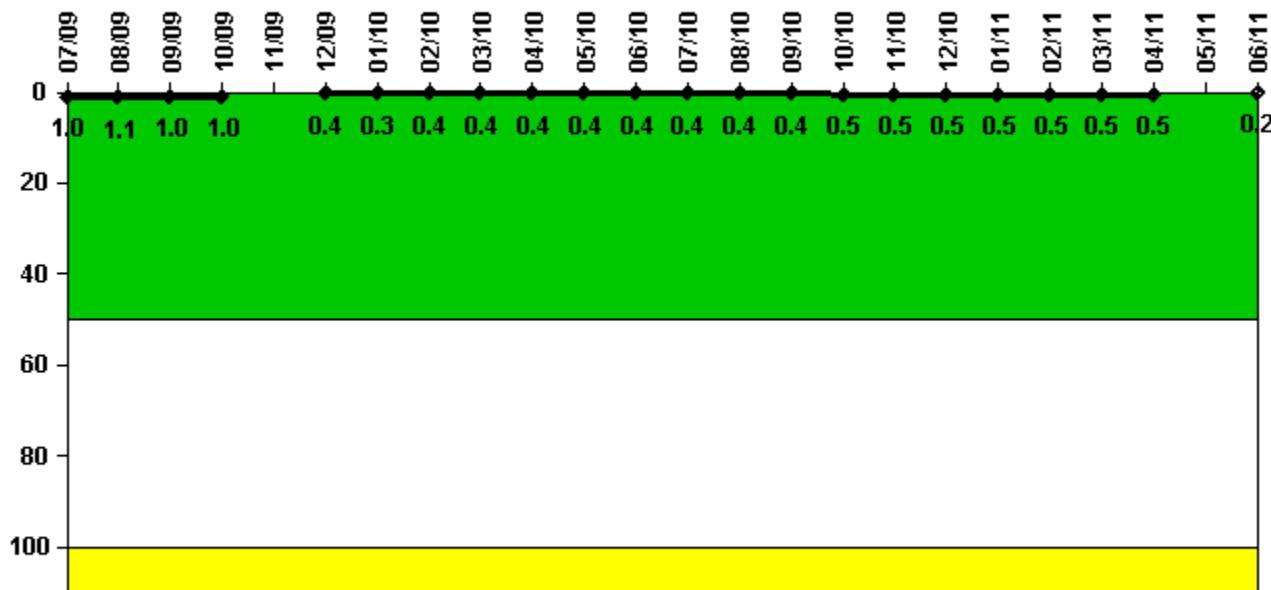
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	-3.00E-08	-2.78E-08						
URI (Δ CDF)	-2.50E-07	-2.50E-07	-2.48E-07	-2.48E-07	-2.48E-07	-2.49E-07	-2.49E-07	-2.58E-07
PLE	NO							
Indicator value	-2.80E-07	-2.90E-07						

Licensee Comments: none

Reactor Coolant System Activity



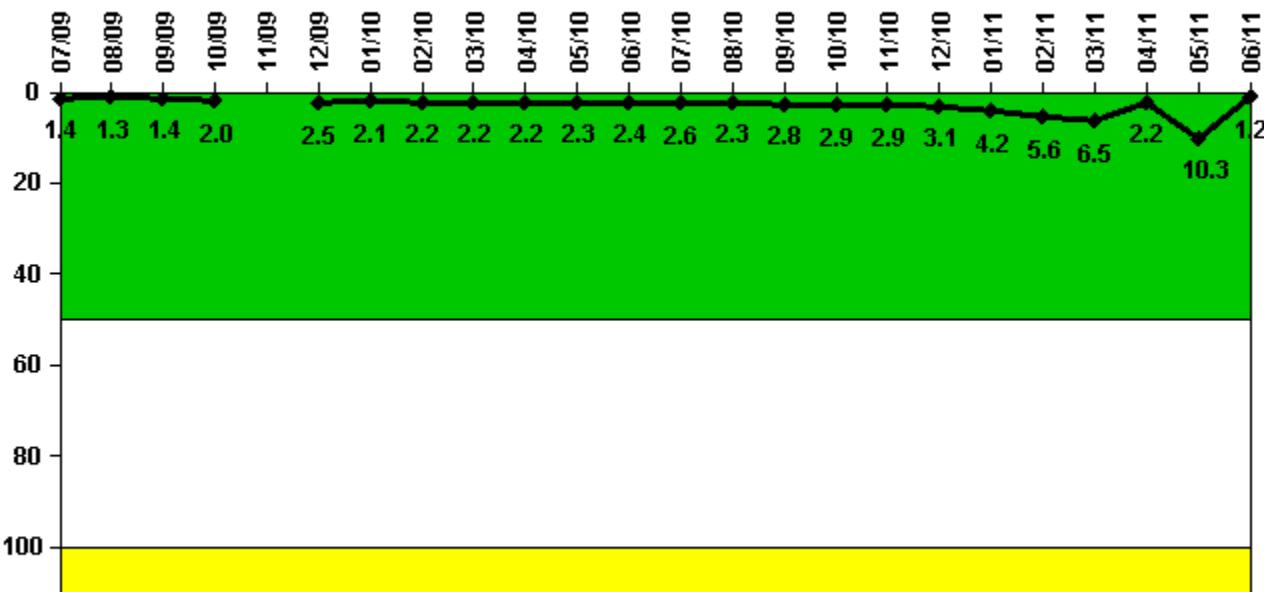
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum activity	0.000585	0.000627	0.000615	0.000598	N/A	0.000221	0.000203	0.000208	0.000214	0.000228	0.000235	0.000253
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	1.0	1.1	1.0	1.0	N/A	0.4	0.3	0.4	0.4	0.4	0.4	0.4
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	0.000256	0.000248	0.000263	0.000270	0.000271	0.000291	0.000300	0.000322	0.000309	0.000313	N/A	0.000135
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	N/A	0.2

Licensee Comments: none

Reactor Coolant System Leakage



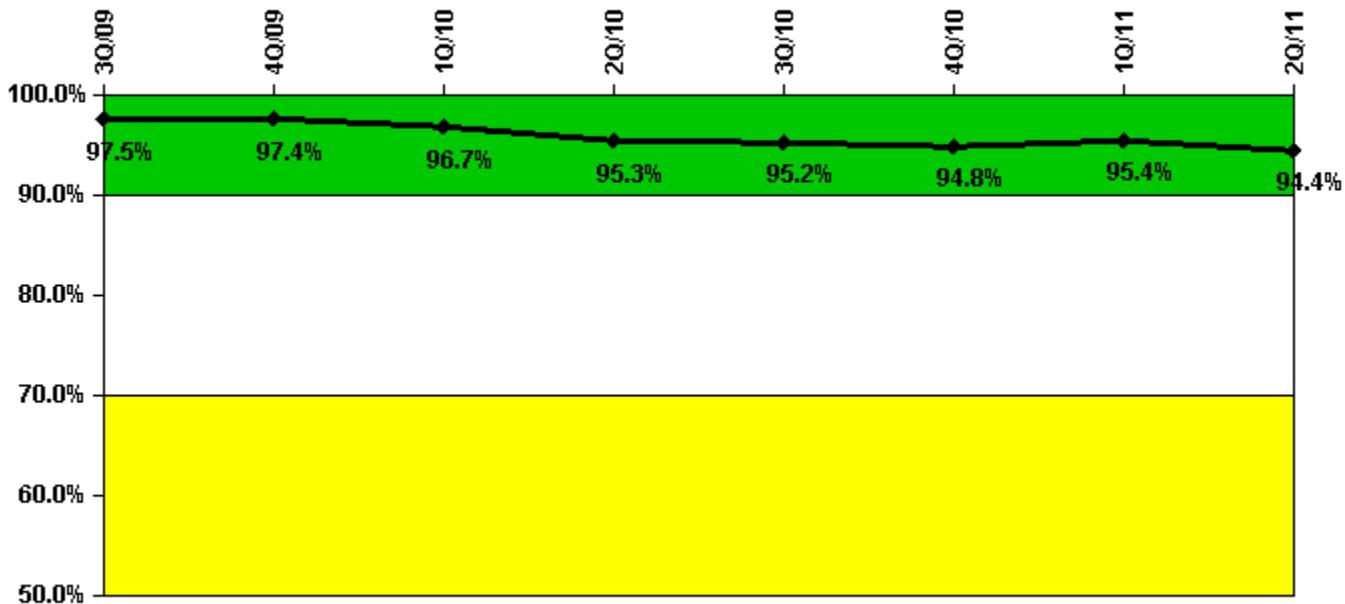
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum leakage	0.140	0.130	0.140	0.200	N/A	0.250	0.210	0.220	0.220	0.220	0.230	0.240
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.4	1.3	1.4	2.0	N/A	2.5	2.1	2.2	2.2	2.2	2.3	2.4
Reactor Coolant System Leakage	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum leakage	0.260	0.230	0.280	0.290	0.290	0.310	0.420	0.560	0.650	0.220	1.030	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.6	2.3	2.8	2.9	2.9	3.1	4.2	5.6	6.5	2.2	10.3	1.2

Licensee Comments: none

Drill/Exercise Performance



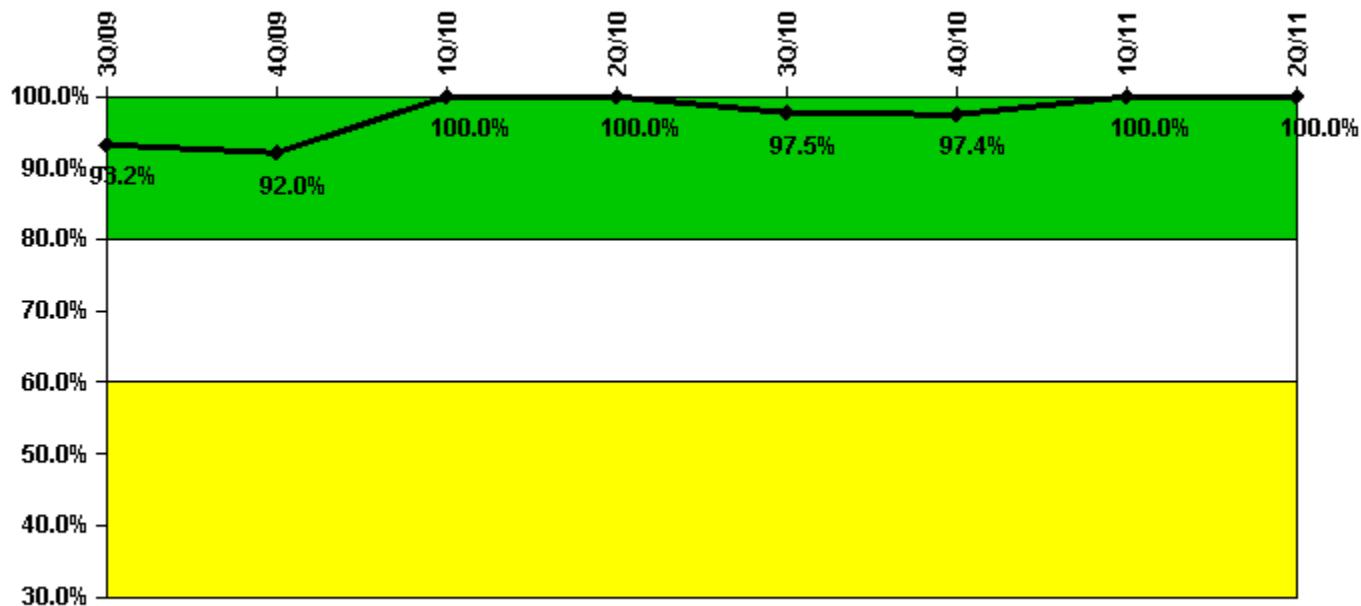
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful opportunities	31.0	2.0	38.0	15.0	2.0	23.0	10.0	15.0
Total opportunities	32.0	2.0	40.0	18.0	2.0	24.0	10.0	16.0
Indicator value	97.5%	97.4%	96.7%	95.3%	95.2%	94.8%	95.4%	94.4%

Licensee Comments: none

ERO Drill Participation



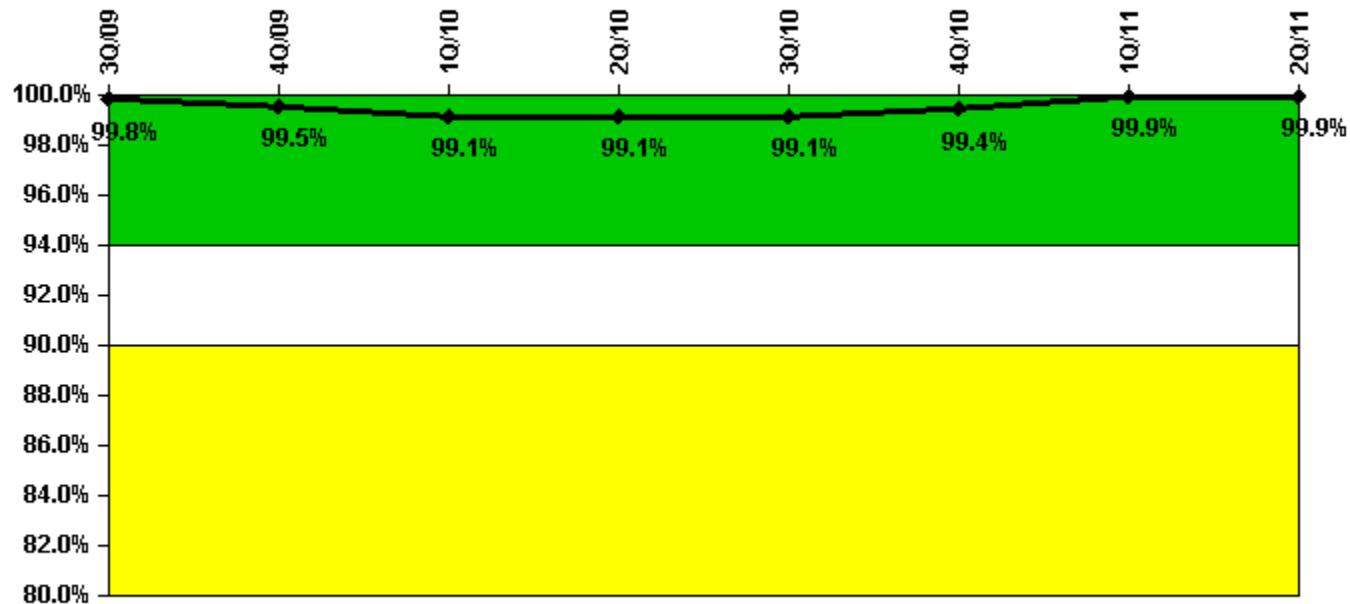
Thresholds: White < 80.0% Yellow < 60.0%

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	69.0	71.0	69.0	78.0	76.0	78.0	75.0
Total Key personnel	74.0	75.0	71.0	69.0	80.0	78.0	78.0	75.0
Indicator value	93.2%	92.0%	100.0%	100.0%	97.5%	97.4%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



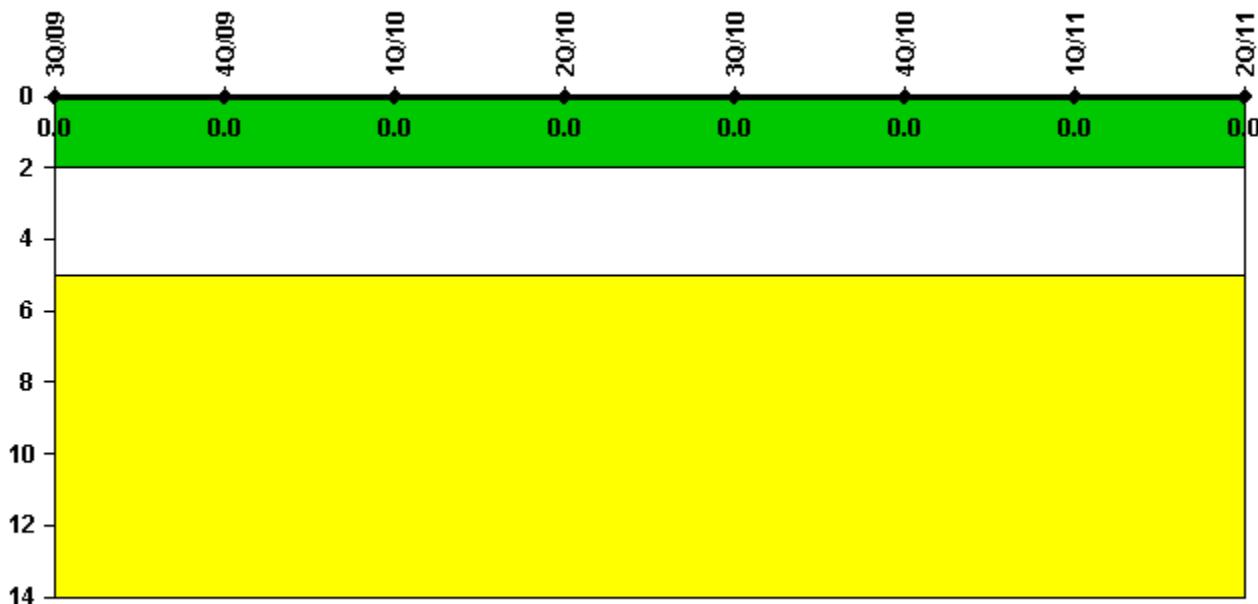
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful siren-tests	847	729	833	742	846	636	847	741
Total sirens-tests	848	742	848	742	848	636	848	742
Indicator value	99.8%	99.5%	99.1%	99.1%	99.1%	99.4%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



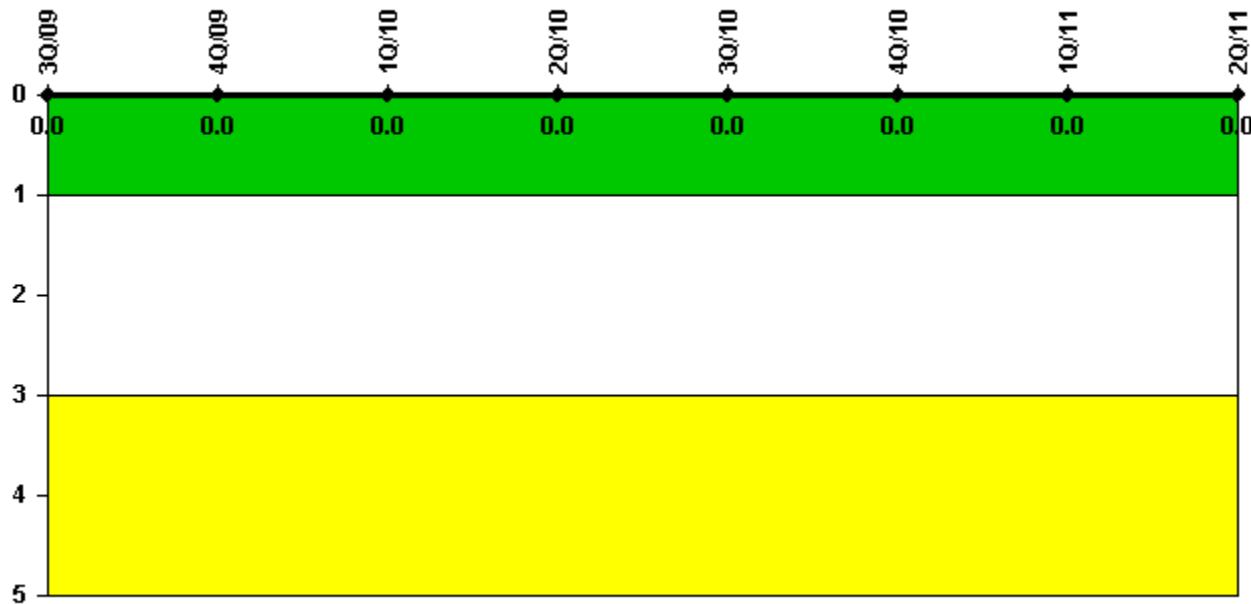
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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.



[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

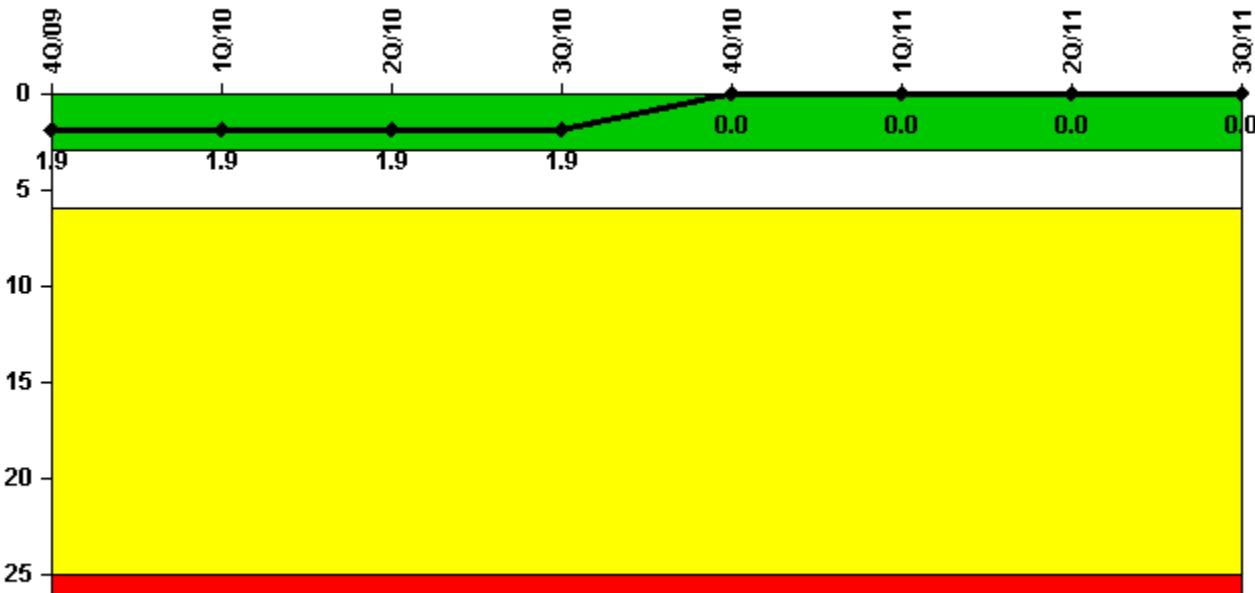
Last Modified: July 22, 2011

Summer

3Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



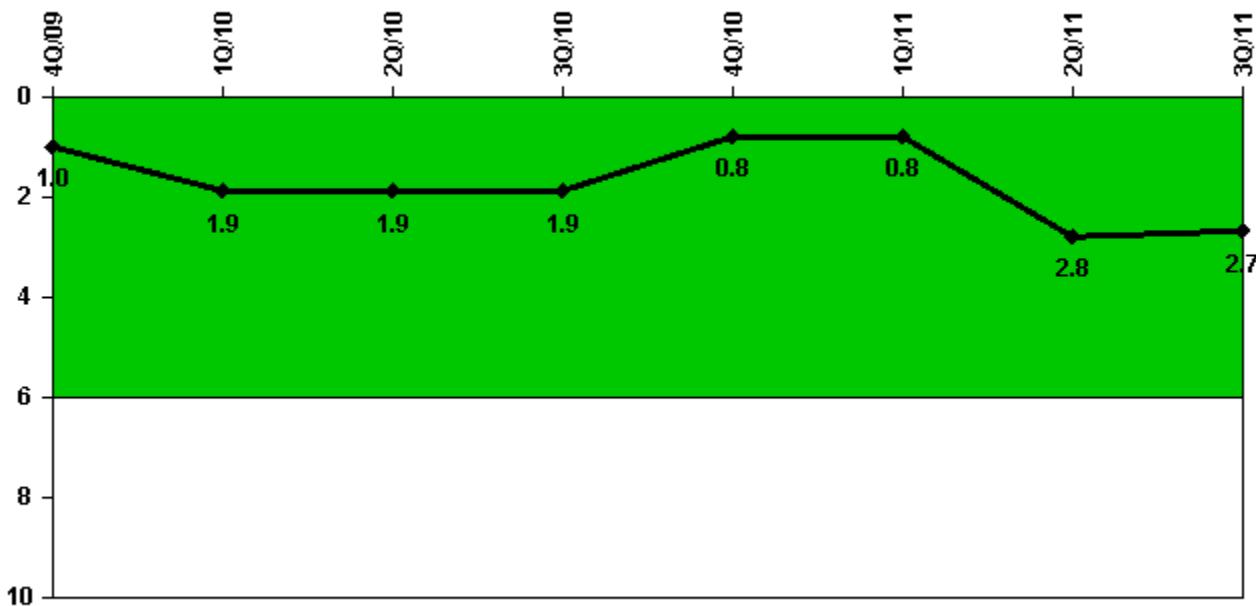
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0	0	0	0	0	0	0
Critical hours	688.6	2159.0	2184.0	2157.5	2209.0	2118.4	1136.4	2208.0
Indicator value	1.9	1.9	1.9	1.9	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



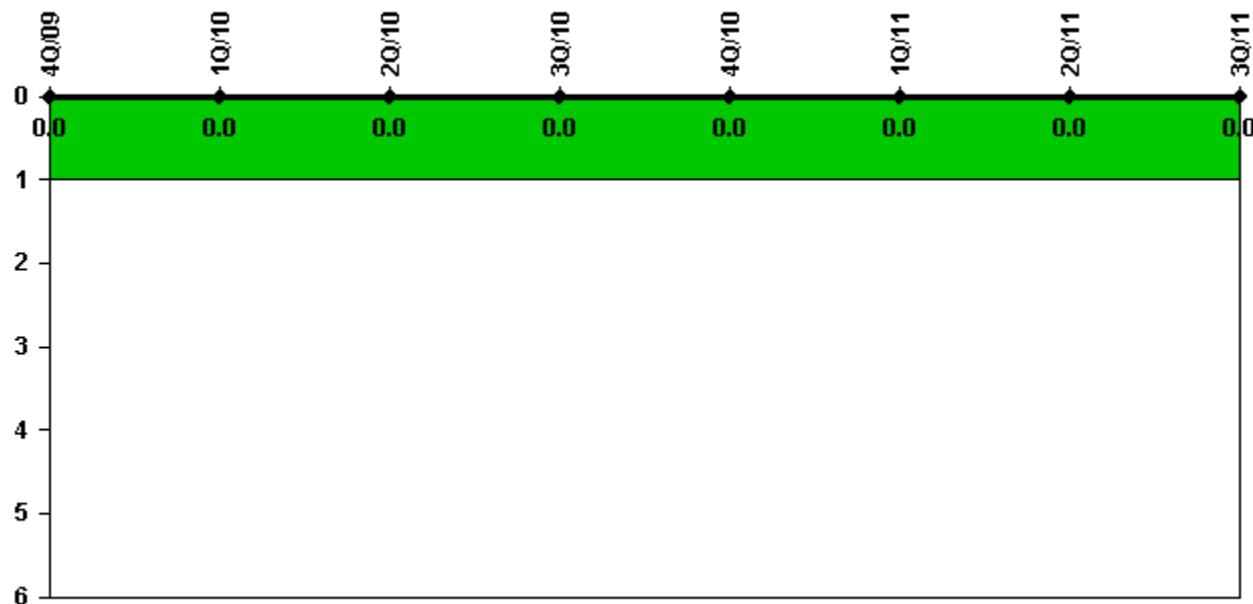
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned power changes	1.0	1.0	0	0	0	1.0	2.0	0
Critical hours	688.6	2159.0	2184.0	2157.5	2209.0	2118.4	1136.4	2208.0
Indicator value	1.0	1.9	1.9	1.9	0.8	0.8	2.8	2.7

Licensee Comments: none

Unplanned Scrams with Complications



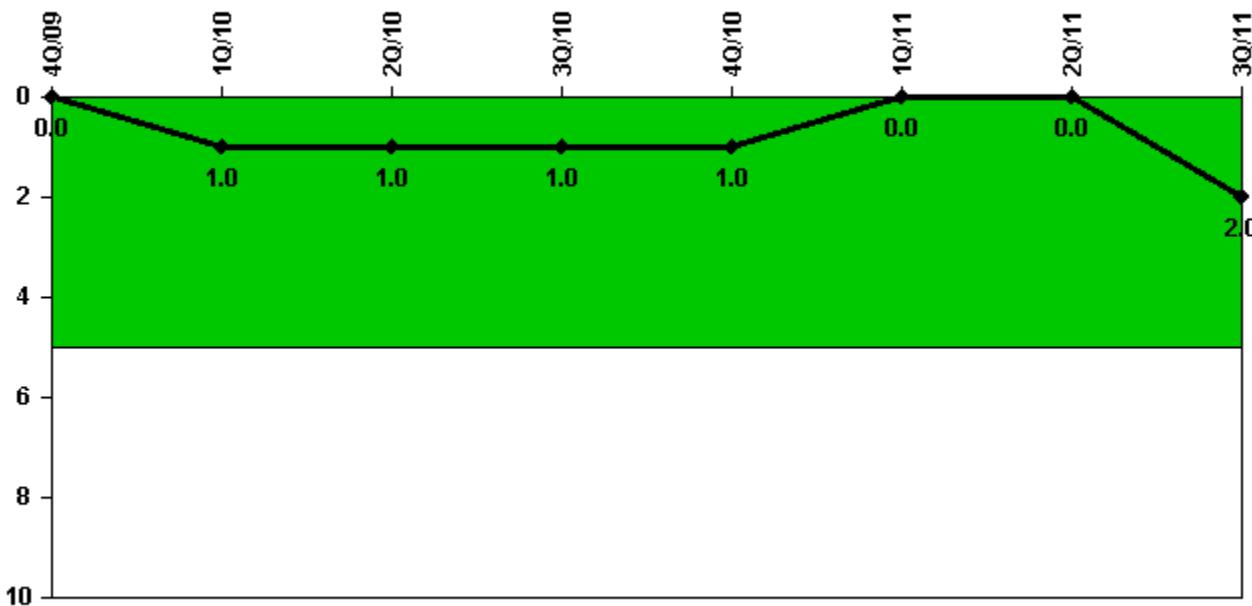
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

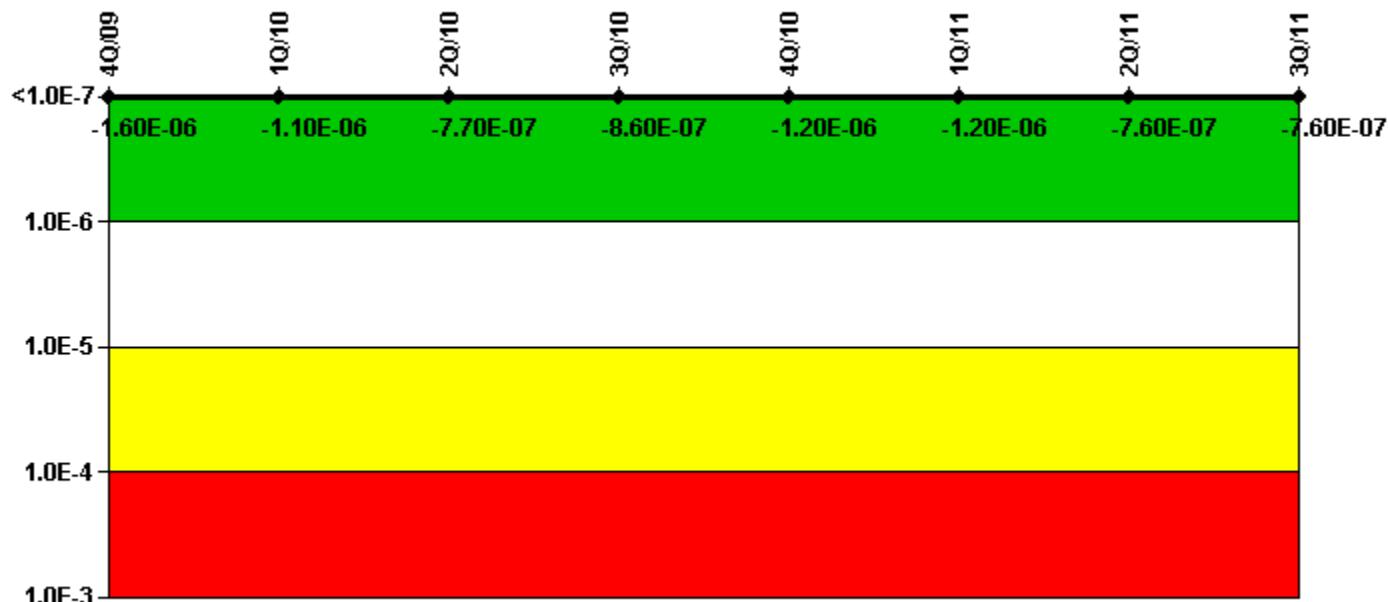
Notes

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

Licensee Comments:

3Q/11: LER-2011-001 - Failure to maintain one train of safe shutdown systems in accordance with Appendix R Section III.G.a/III.G.3
LER-2011-002 - Failure to maintain one train of safe shutdown systems in accordance with Appendix R Section III.G.a/III.G.3

Mitigating Systems Performance Index, Emergency AC Power System



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

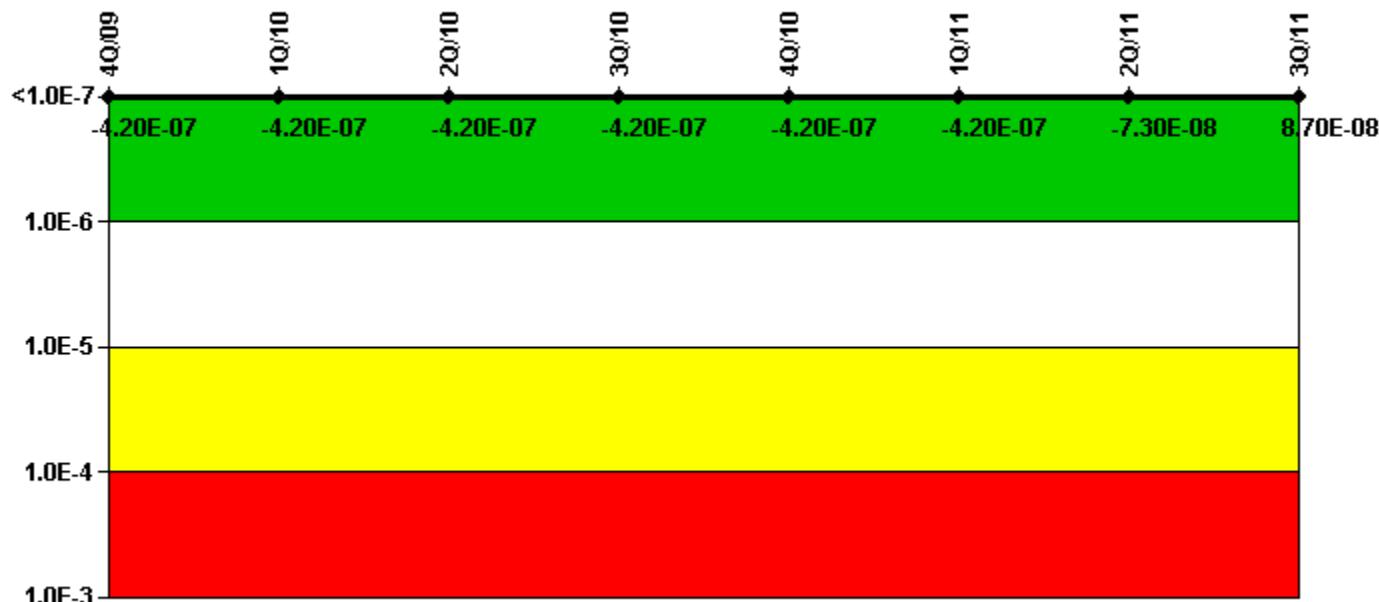
Notes

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 (Δ CDF)	3.01E-09	-3.97E-08	3.40E-07	2.44E-07	-1.33E-07	-1.33E-07	-9.69E-08	-9.69E-08
URI (Δ CDF)	-1.61E-06	-1.11E-06	-1.11E-06	-1.11E-06	-1.11E-06	-1.11E-06	-6.60E-07	-6.60E-07
PLE	NO							
Indicator value	-1.60E-06	-1.10E-06	-7.70E-07	-8.60E-07	-1.20E-06	-1.20E-06	-7.60E-07	-7.60E-07

Licensee Comments:

3Q/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

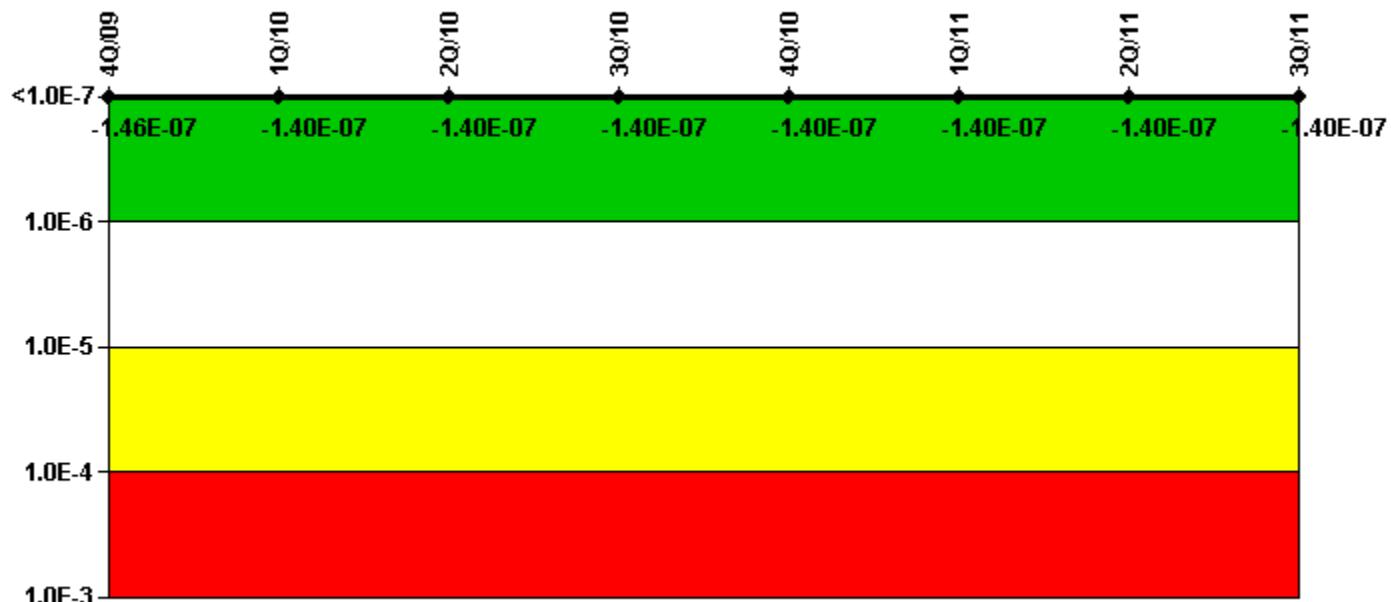
Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	-1.70E-07	-1.66E-07	-1.66E-07	-1.66E-07	-1.66E-07	-1.66E-07	-7.36E-09	-7.06E-09
URI (Δ CDF)	-2.50E-07	-2.54E-07	-2.54E-07	-2.54E-07	-2.55E-07	-2.55E-07	-6.60E-08	9.43E-08
PLE	NO	NO						
Indicator value	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07	-7.30E-08	8.70E-08

Licensee Comments:

3Q/11: On 9/27/2011 "C" HPSI Pump breaker was improperly racked in on "A" train HPSI and the "A" HPSI Pump breaker was racked out-of-service. The "C" HPSI Pump breaker condition was not discovered until the pump failed to start during a test start. This event resulted in a Start/Demand failure and 1.2 hours of unplanned unavailability.

Mitigating Systems Performance Index, Heat Removal System



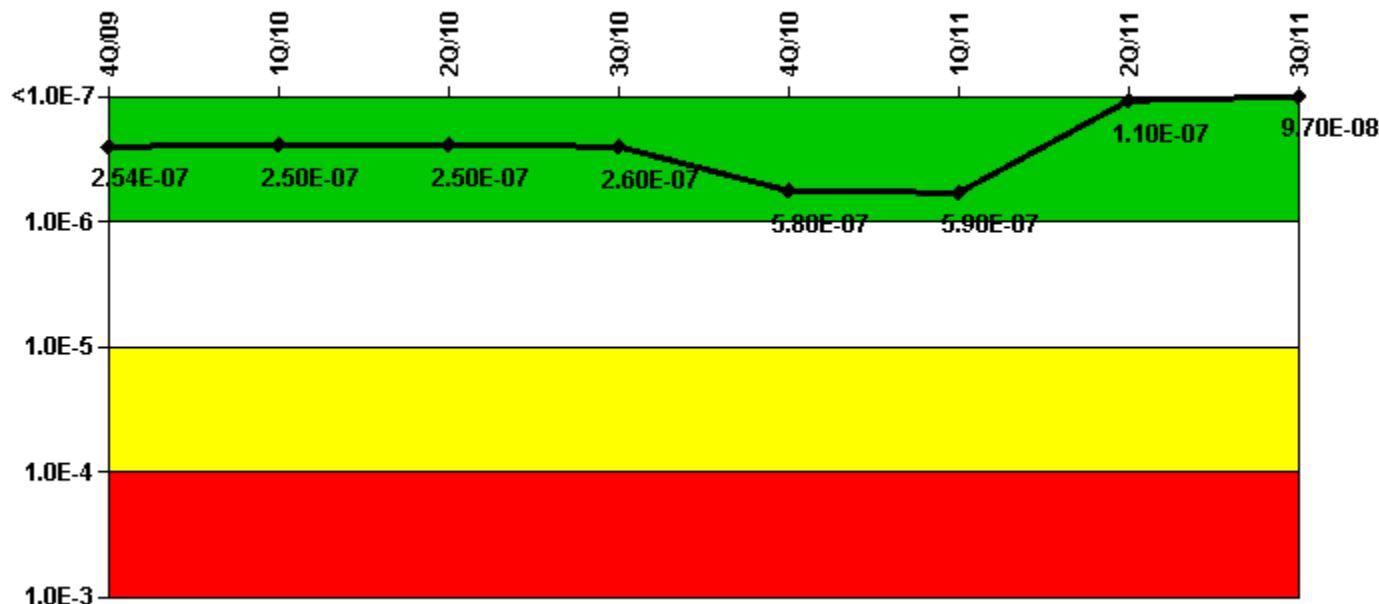
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF)	-2.60E-08	-2.63E-08	-2.50E-08	-2.50E-08	-2.52E-08	-2.52E-08	-2.05E-08	-2.07E-08
URI (Δ CDF)	-1.20E-07	-1.18E-07	-1.18E-07	-1.18E-07	-1.18E-07	-1.18E-07	-1.17E-07	-1.17E-07
PLE	NO							
Indicator value	-1.46E-07	-1.40E-07						

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



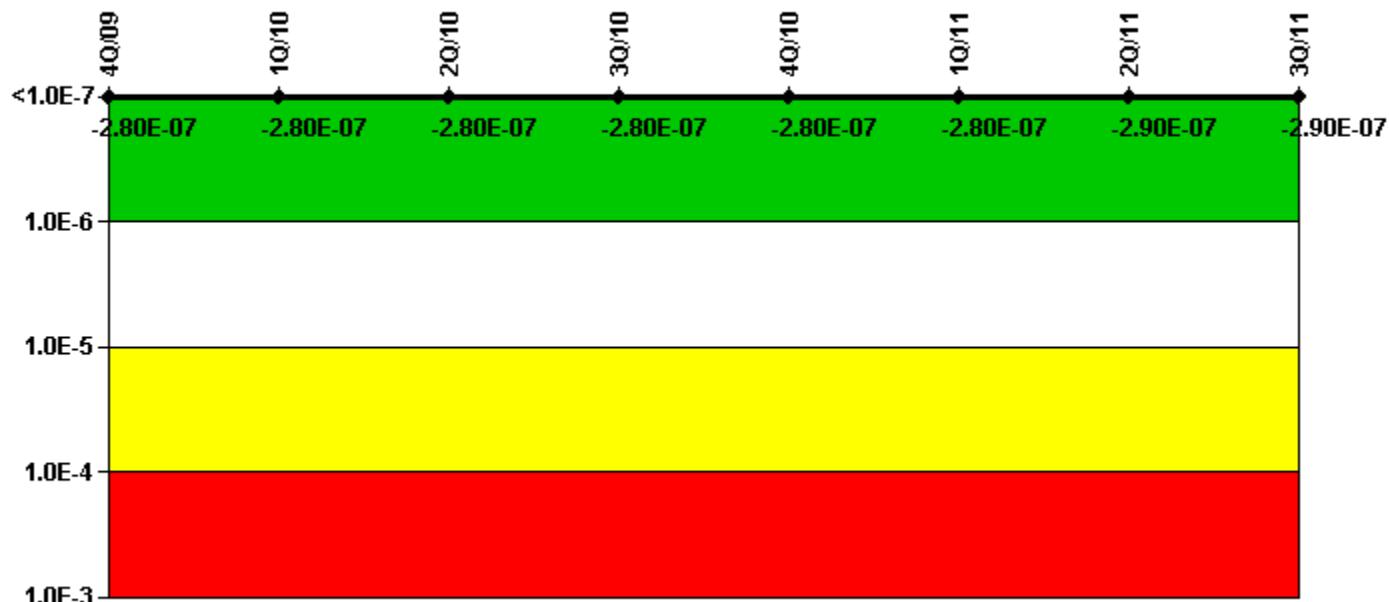
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	-1.60E-08	-1.60E-08	-1.56E-08	-9.51E-09	1.13E-09	1.02E-08	4.01E-09	-4.48E-09
URI (Δ CDF)	2.70E-07	2.70E-07	2.70E-07	2.70E-07	5.76E-07	5.76E-07	1.01E-07	1.01E-07
PLE	NO							
Indicator value	2.54E-07	2.50E-07	2.50E-07	2.60E-07	5.80E-07	5.90E-07	1.10E-07	9.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



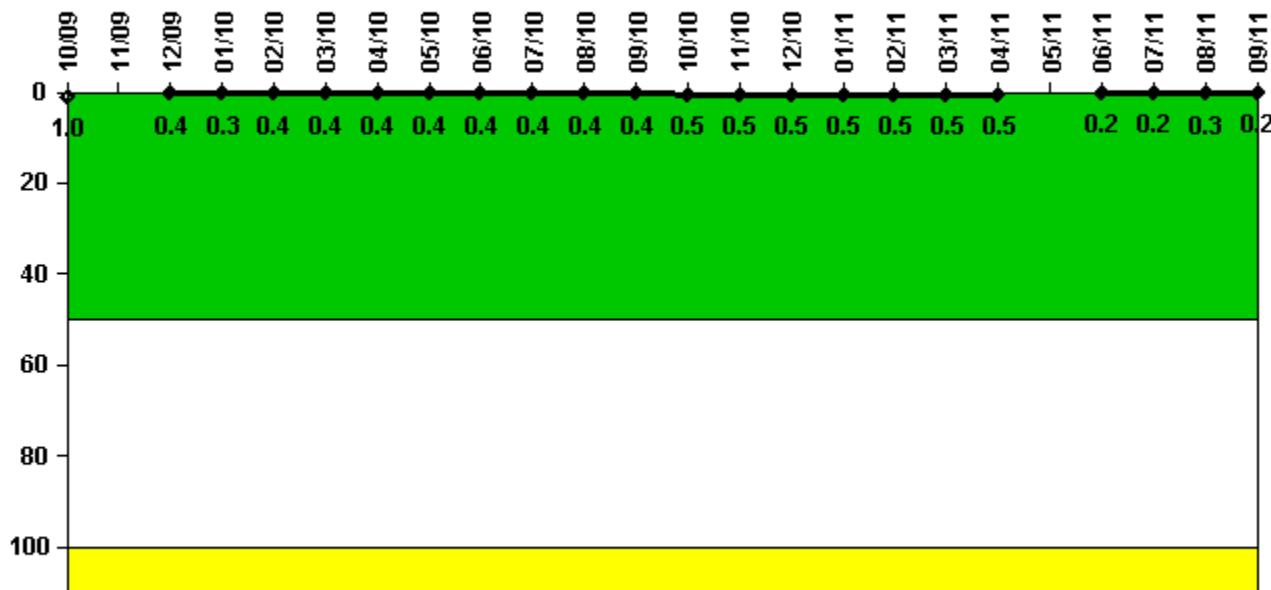
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	-3.00E-08	-3.00E-08	-3.00E-08	-3.00E-08	-3.00E-08	-3.00E-08	-2.78E-08	-2.78E-08
URI (Δ CDF)	-2.50E-07	-2.48E-07	-2.48E-07	-2.48E-07	-2.49E-07	-2.49E-07	-2.58E-07	-2.58E-07
PLE	NO							
Indicator value	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.90E-07	-2.90E-07

Licensee Comments: none

Reactor Coolant System Activity



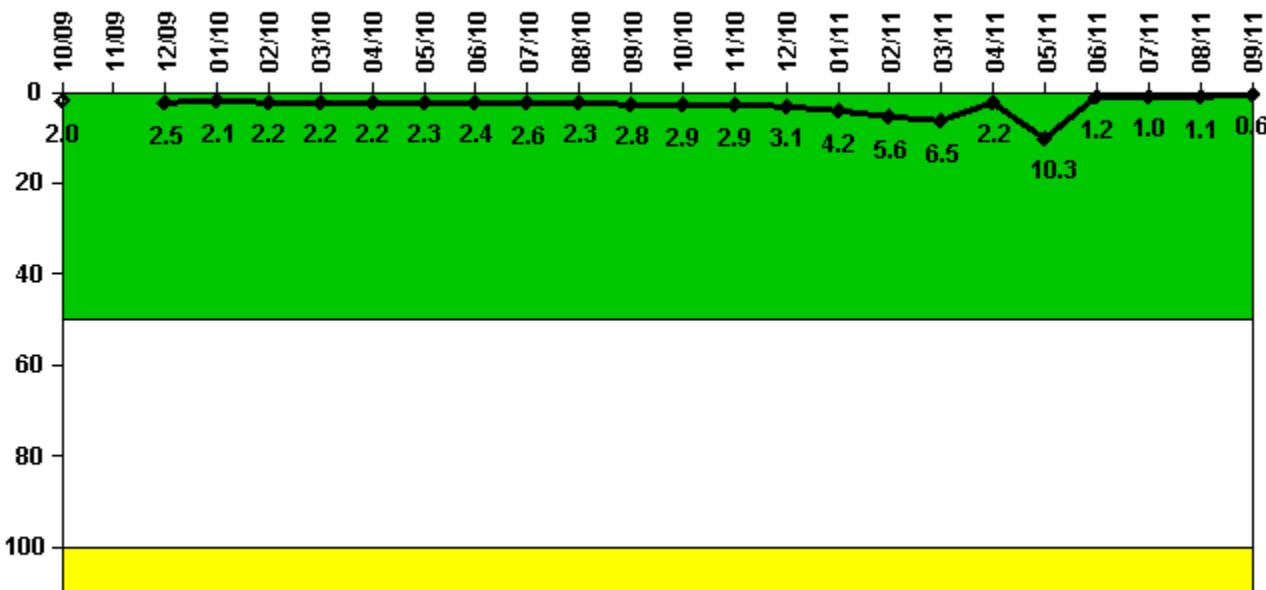
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum activity	0.000598	N/A	0.000221	0.000203	0.000208	0.000214	0.000228	0.000235	0.000253	0.000256	0.000248	0.000263
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	1.0	N/A	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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	0.000270	0.000271	0.000291	0.000300	0.000322	0.000309	0.000313	N/A	0.000135	0.000139	0.000149	0.000147
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.5	0.5	0.5	0.5	0.5	0.5	0.5	N/A	0.2	0.2	0.3	0.2

Licensee Comments: none

Reactor Coolant System Leakage



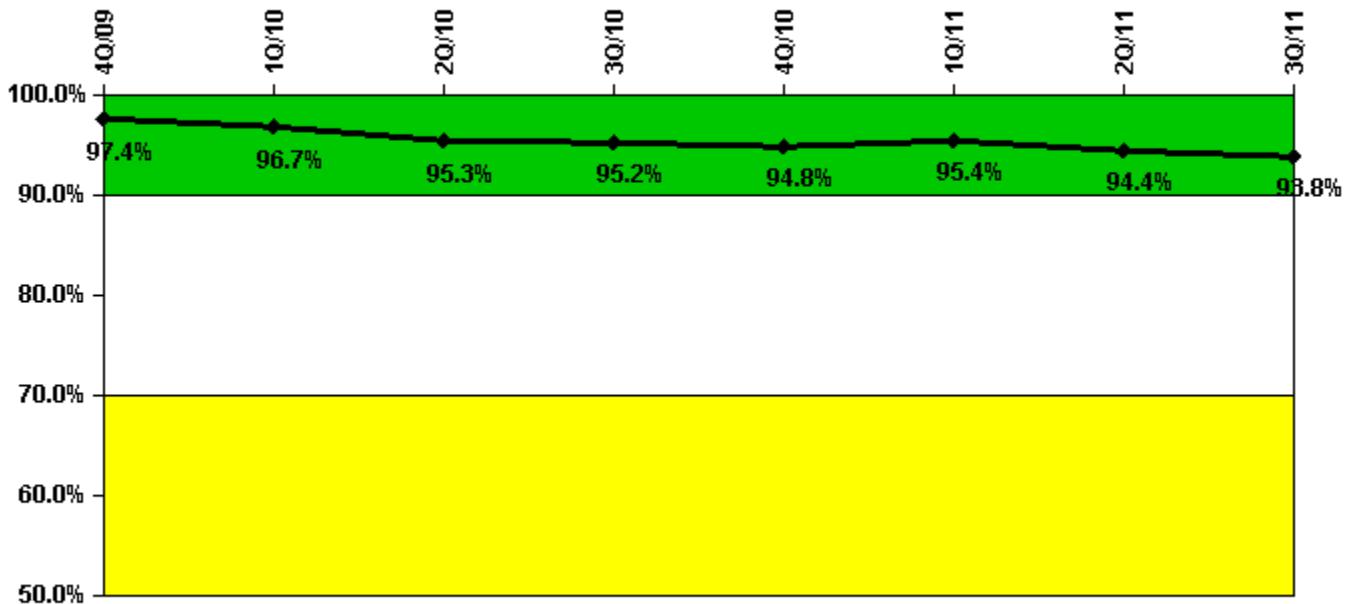
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum leakage	0.200	N/A	0.250	0.210	0.220	0.220	0.220	0.230	0.240	0.260	0.230	0.280
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.0	N/A	2.5	2.1	2.2	2.2	2.2	2.3	2.4	2.6	2.3	2.8
Reactor Coolant System Leakage	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum leakage	0.290	0.290	0.310	0.420	0.560	0.650	0.220	1.030	0.120	0.100	0.110	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.9	2.9	3.1	4.2	5.6	6.5	2.2	10.3	1.2	1.0	1.1	0.6

Licensee Comments: none

Drill/Exercise Performance



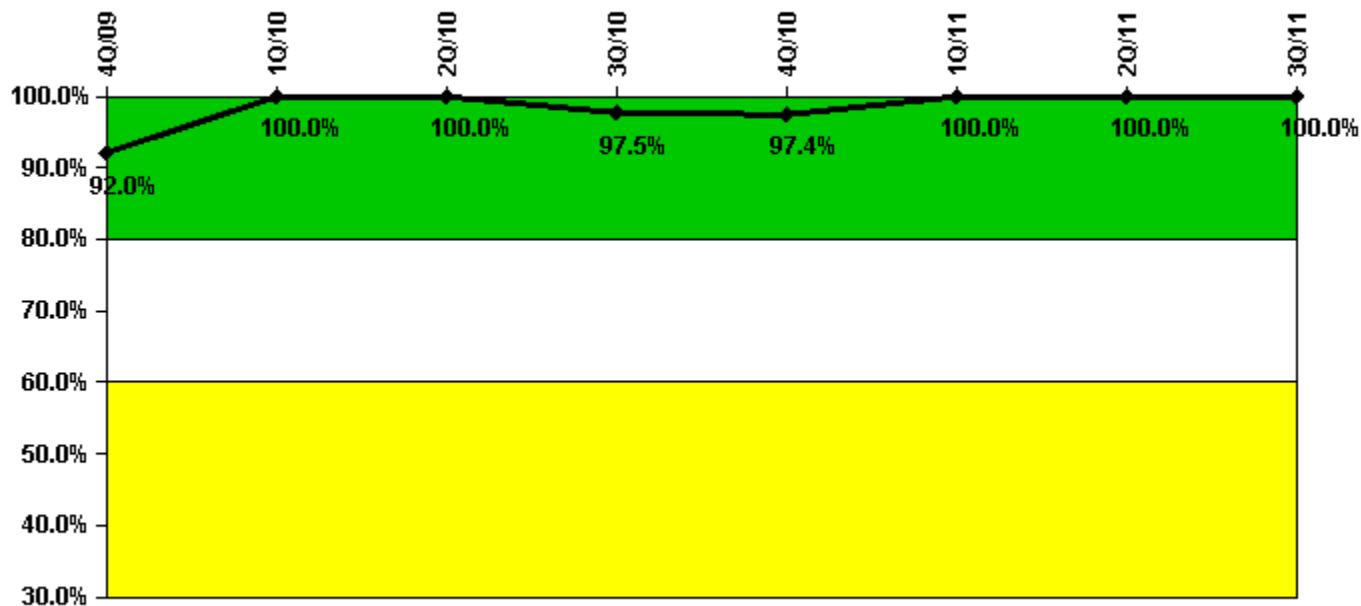
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful opportunities	2.0	38.0	15.0	2.0	23.0	10.0	15.0	30.0
Total opportunities	2.0	40.0	18.0	2.0	24.0	10.0	16.0	32.0
Indicator value	97.4%	96.7%	95.3%	95.2%	94.8%	95.4%	94.4%	93.8%

Licensee Comments: none

ERO Drill Participation



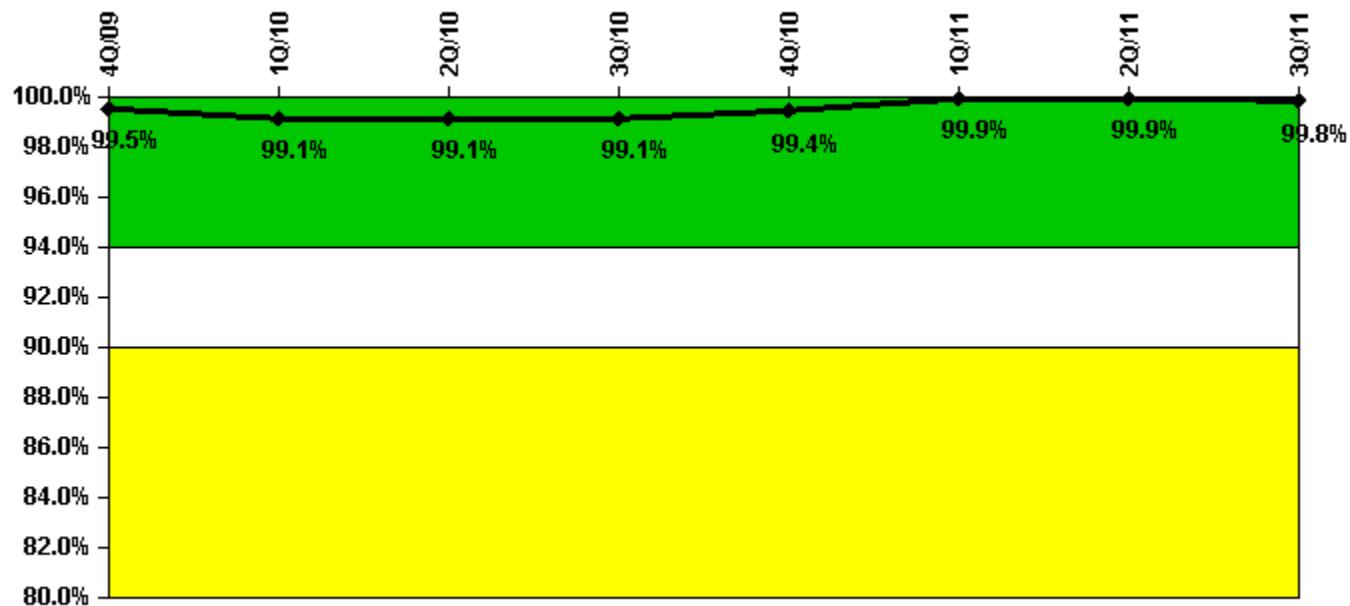
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Participating Key personnel	69.0	71.0	69.0	78.0	76.0	78.0	75.0	77.0
Total Key personnel	75.0	71.0	69.0	80.0	78.0	78.0	75.0	77.0
Indicator value	92.0%	100.0%	100.0%	97.5%	97.4%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



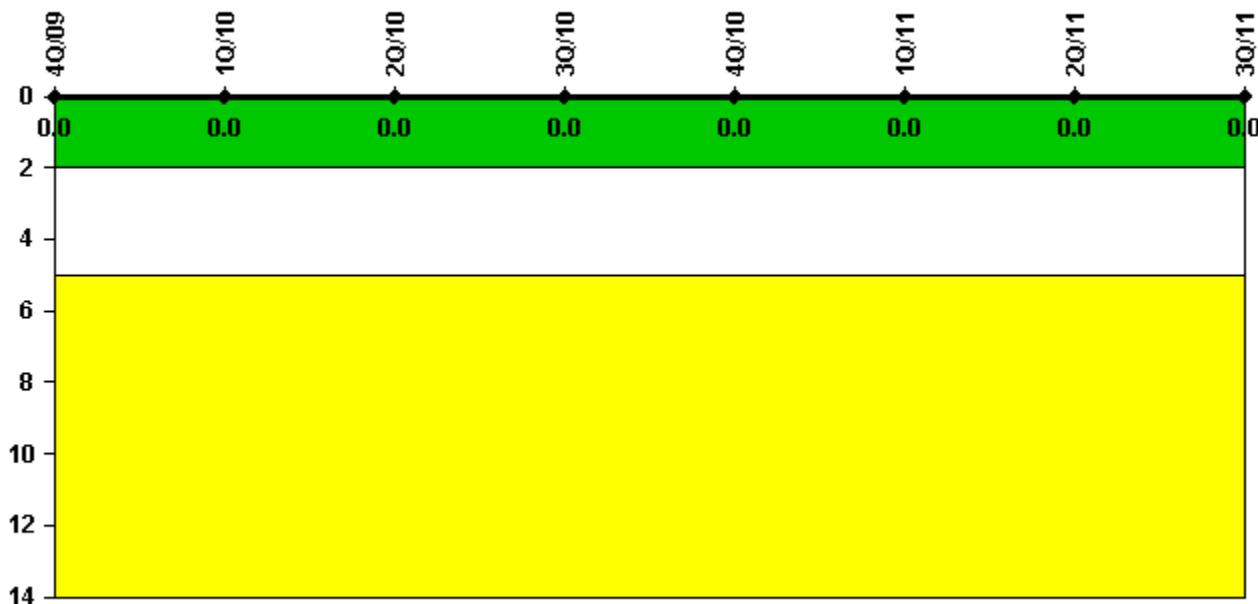
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful siren-tests	729	833	742	846	636	847	741	844
Total sirens-tests	742	848	742	848	636	848	742	848
Indicator value	99.5%	99.1%	99.1%	99.1%	99.4%	99.9%	99.9%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



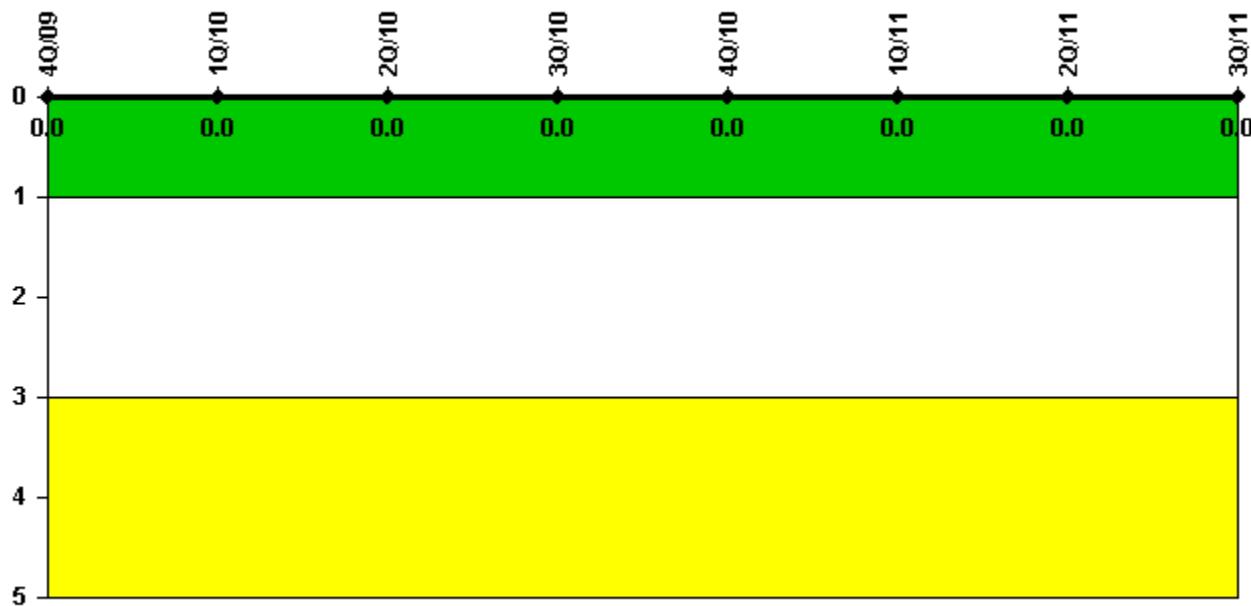
Thresholds: White > 2.0 Yellow > 5.0

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							

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

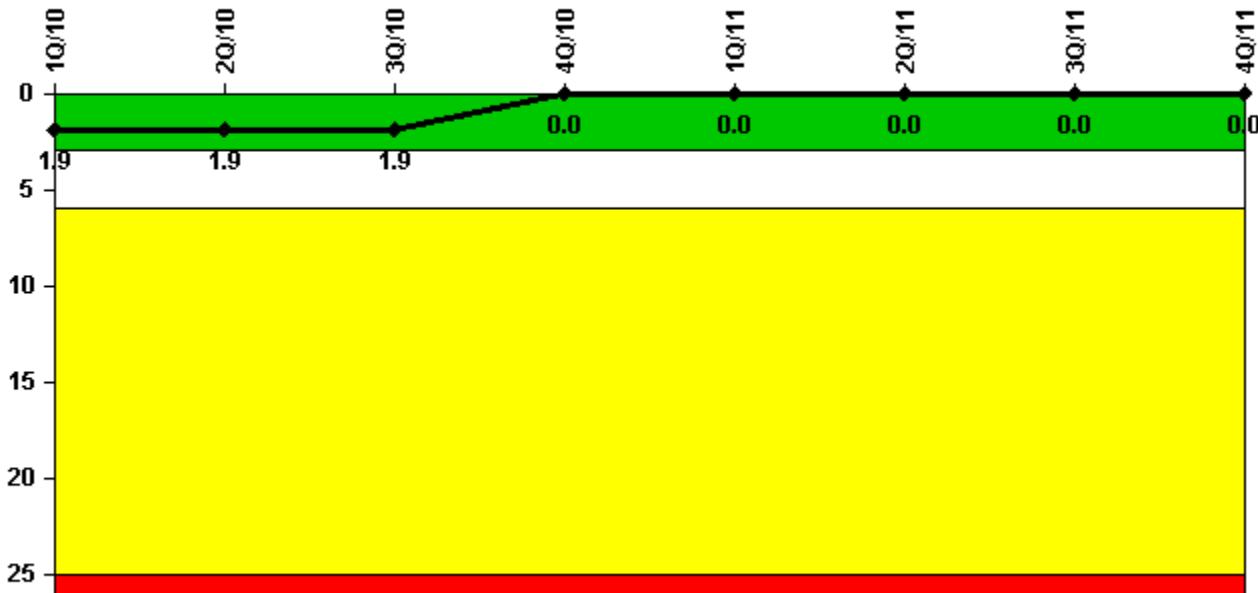
[Security](#) information not publicly available.

Summer

4Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



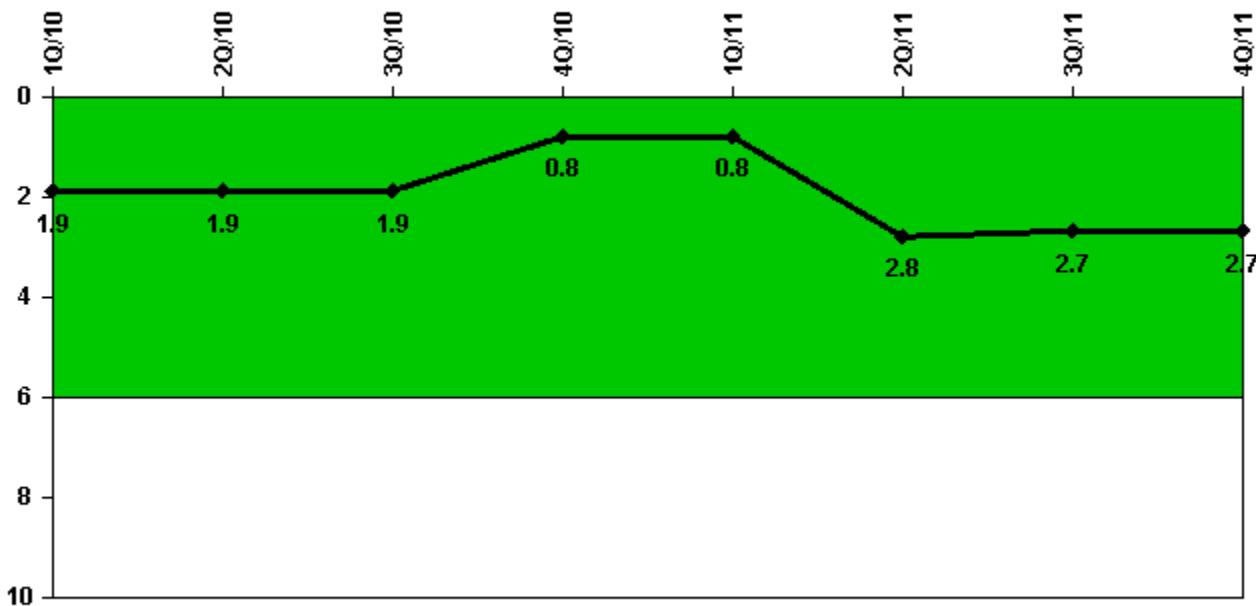
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2157.5	2209.0	2118.4	1136.4	2208.0	2209.0
Indicator value	1.9	1.9	1.9	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



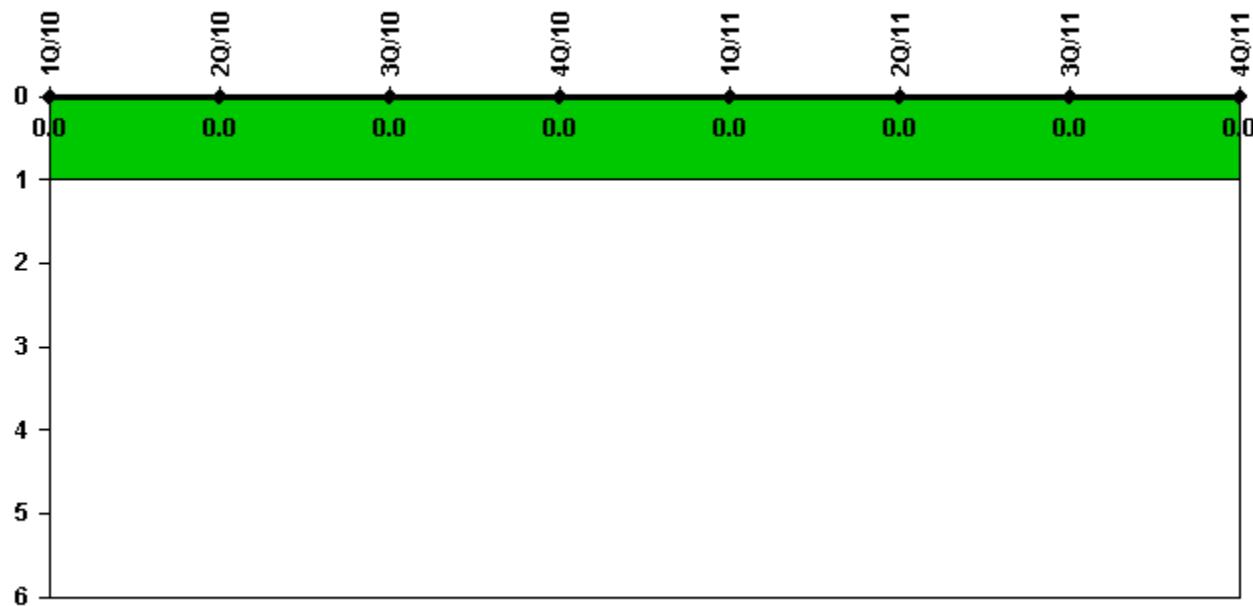
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned power changes	1.0	0	0	0	1.0	2.0	0	0
Critical hours	2159.0	2184.0	2157.5	2209.0	2118.4	1136.4	2208.0	2209.0
Indicator value	1.9	1.9	1.9	0.8	0.8	2.8	2.7	2.7

Licensee Comments: none

Unplanned Scrams with Complications



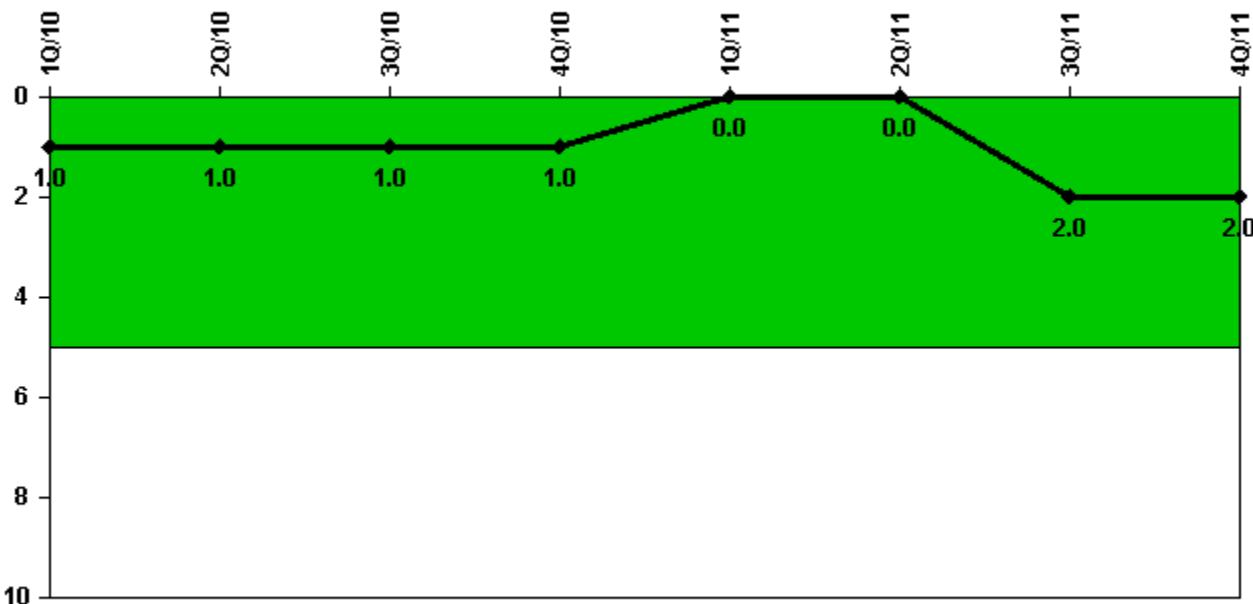
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



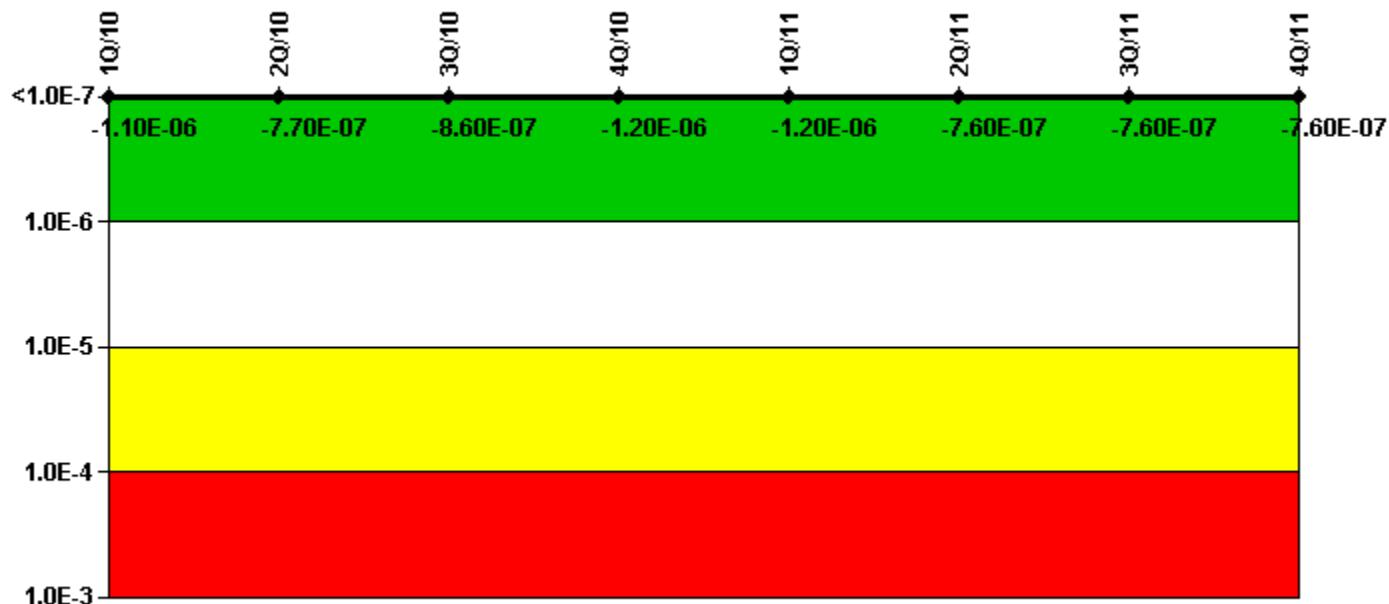
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

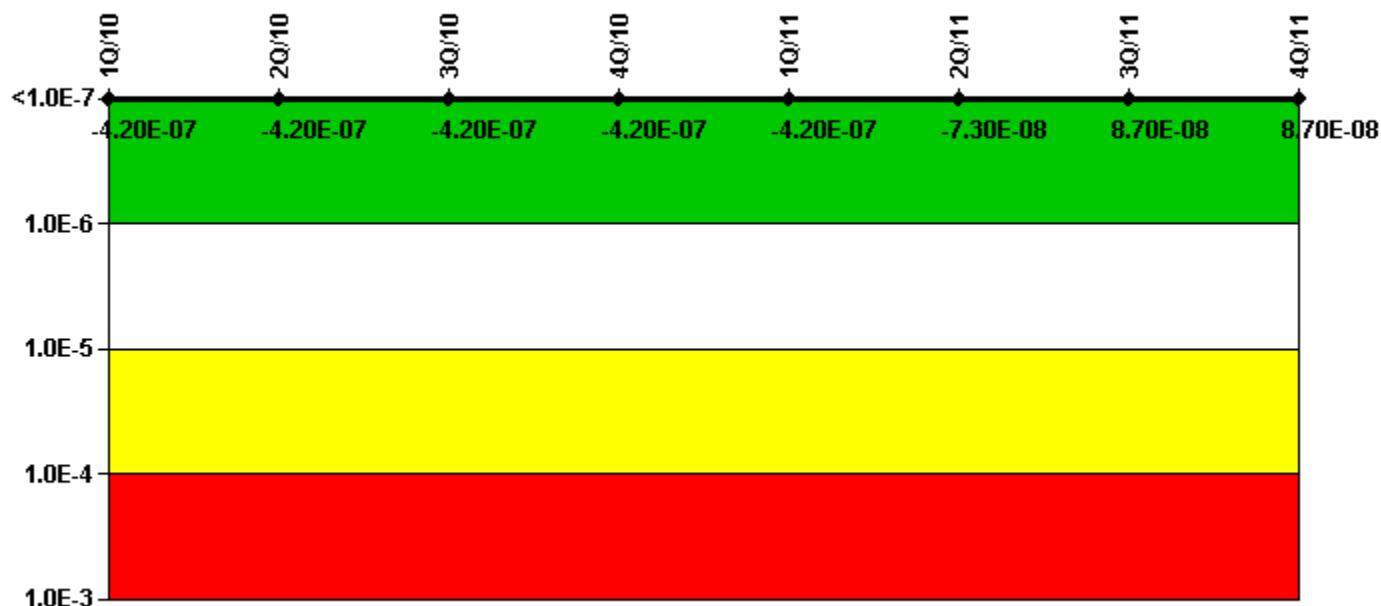
Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	-3.97E-08	3.40E-07	2.44E-07	-1.33E-07	-1.33E-07	-9.69E-08	-9.69E-08	-9.69E-08
URI (Δ CDF)	-1.11E-06	-1.11E-06	-1.11E-06	-1.11E-06	-1.11E-06	-6.60E-07	-6.60E-07	-6.60E-07
PLE	NO							
Indicator value	-1.10E-06	-7.70E-07	-8.60E-07	-1.20E-06	-1.20E-06	-7.60E-07	-7.60E-07	-7.60E-07

Licensee Comments:

4Q/11: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



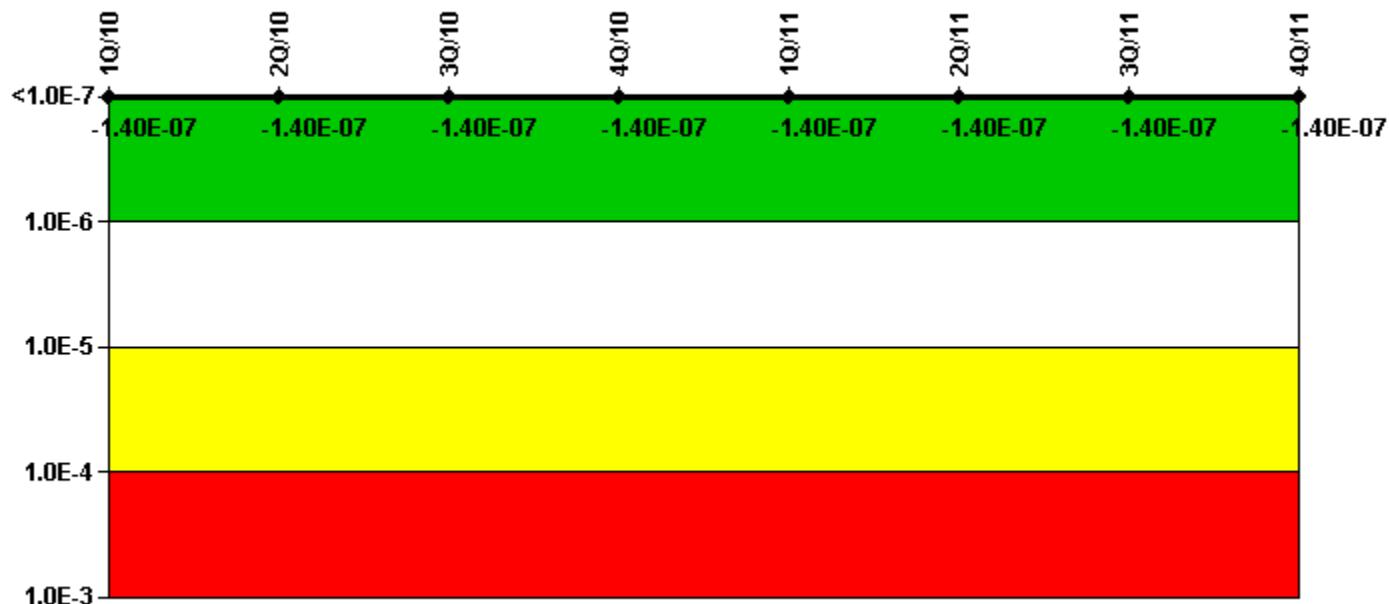
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	-1.66E-07	-1.66E-07	-1.66E-07	-1.66E-07	-1.66E-07	-7.36E-09	-7.06E-09	-7.06E-09
URI (Δ CDF)	-2.54E-07	-2.54E-07	-2.54E-07	-2.55E-07	-2.55E-07	-6.60E-08	9.43E-08	9.43E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07	-7.30E-08	8.70E-08	8.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



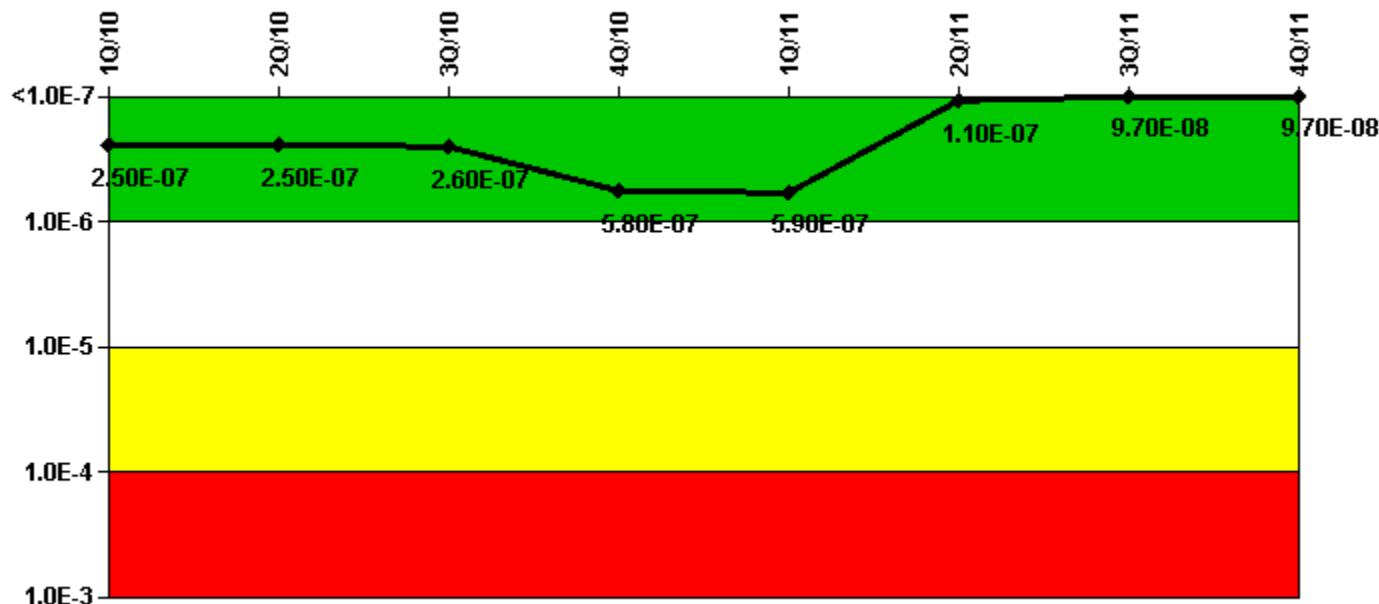
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	-2.63E-08	-2.50E-08	-2.50E-08	-2.52E-08	-2.52E-08	-2.05E-08	-2.07E-08	-2.11E-08
URI (Δ CDF)	-1.18E-07	-1.18E-07	-1.18E-07	-1.18E-07	-1.18E-07	-1.17E-07	-1.17E-07	-1.17E-07
PLE	NO							
Indicator value	-1.40E-07							

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	-1.60E-08	-1.56E-08	-9.51E-09	1.13E-09	1.02E-08	4.01E-09	-4.48E-09	-4.48E-09
URI (Δ CDF)	2.70E-07	2.70E-07	2.70E-07	5.76E-07	5.76E-07	1.01E-07	1.01E-07	1.01E-07
PLE	NO							
Indicator value	2.50E-07	2.50E-07	2.60E-07	5.80E-07	5.90E-07	1.10E-07	9.70E-08	9.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



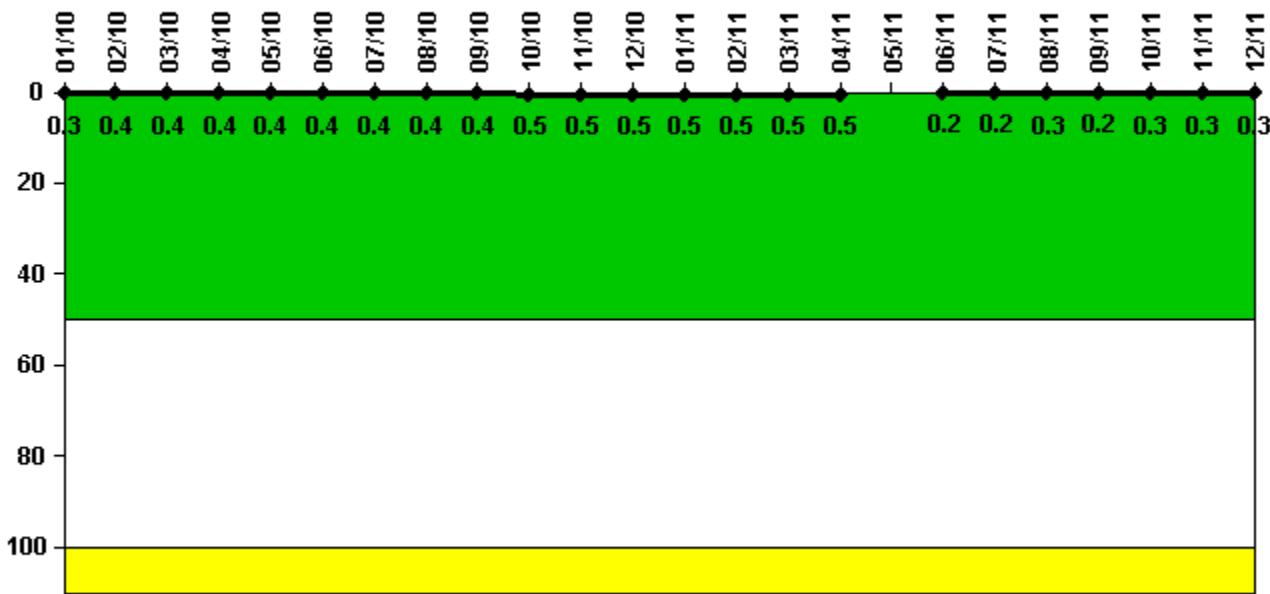
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	-3.00E-08	-3.00E-08	-3.00E-08	-3.00E-08	-3.00E-08	-2.78E-08	-2.78E-08	-2.78E-08
URI (Δ CDF)	-2.48E-07	-2.48E-07	-2.48E-07	-2.49E-07	-2.49E-07	-2.58E-07	-2.58E-07	-2.58E-07
PLE	NO							
Indicator value	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.90E-07	-2.90E-07	-2.90E-07

Licensee Comments: none

Reactor Coolant System Activity



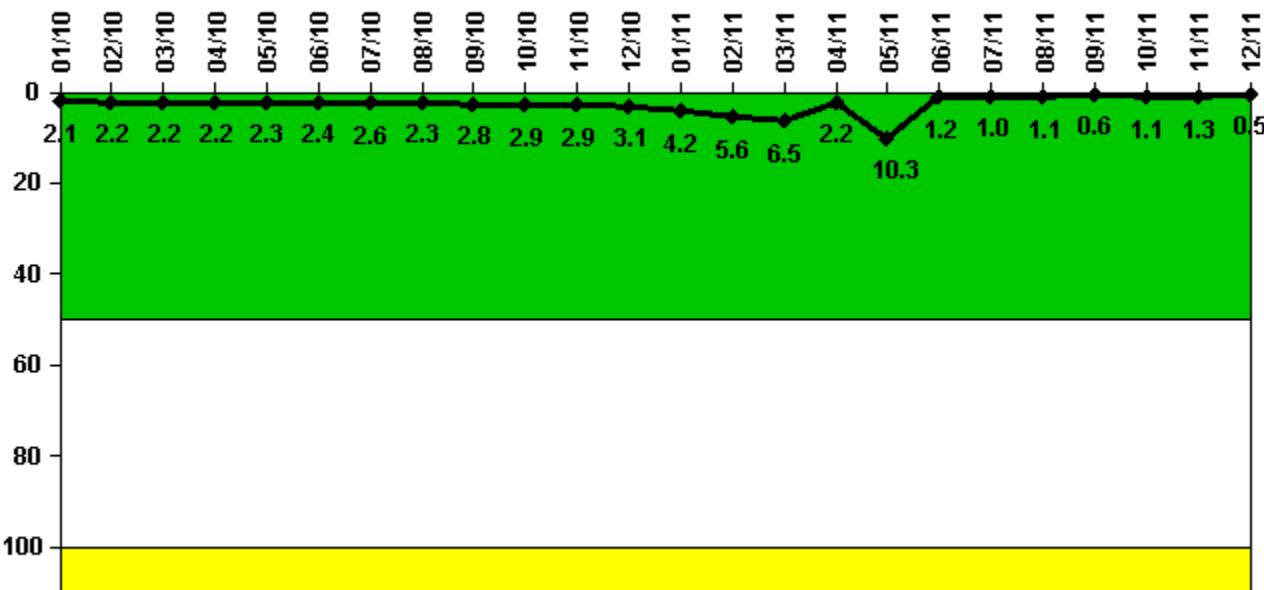
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10
Maximum activity	0.000203	0.000208	0.000214	0.000228	0.000235	0.000253	0.000256	0.000248	0.000263	0.000270	0.000271	0.000291
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
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	0.000300	0.000322	0.000309	0.000313	N/A	0.000135	0.000139	0.000149	0.000147	0.000155	0.000164	0.000161
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.5	0.5	0.5	0.5	N/A	0.2	0.2	0.3	0.2	0.3	0.3	0.3

Licensee Comments: none

Reactor Coolant System Leakage



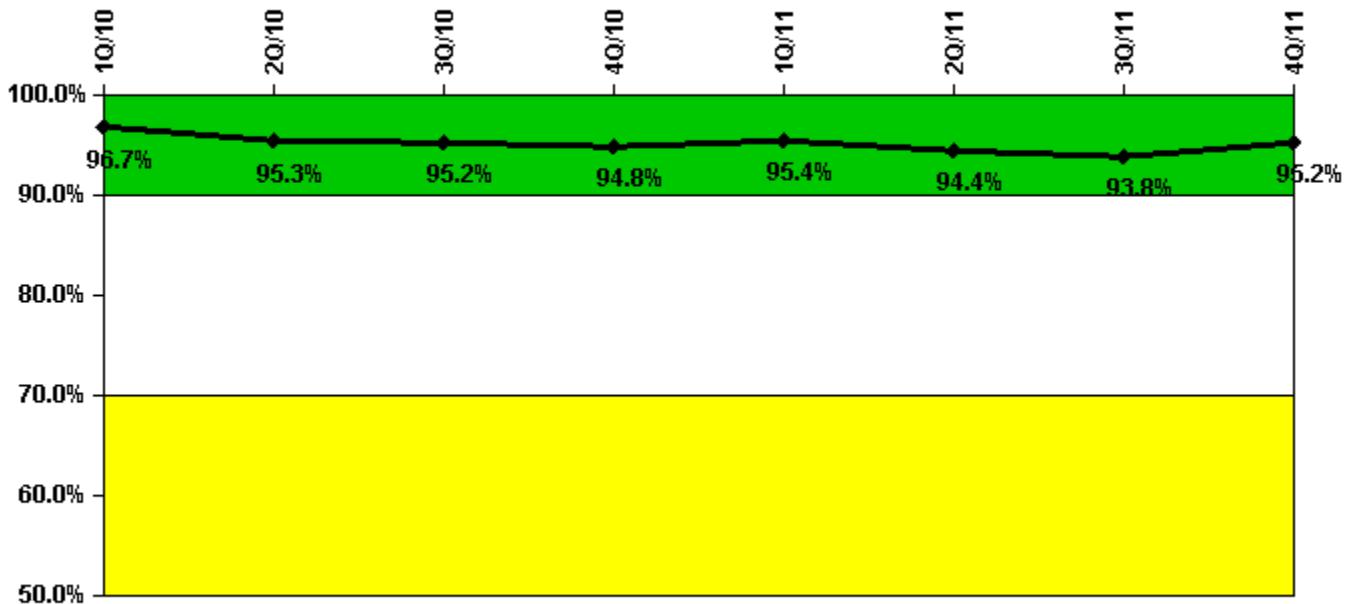
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10
Maximum leakage	0.210	0.220	0.220	0.220	0.230	0.240	0.260	0.230	0.280	0.290	0.290	0.310
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.1	2.2	2.2	2.2	2.3	2.4	2.6	2.3	2.8	2.9	2.9	3.1
Reactor Coolant System Leakage	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum leakage	0.420	0.560	0.650	0.220	1.030	0.120	0.100	0.110	0.060	0.110	0.130	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	4.2	5.6	6.5	2.2	10.3	1.2	1.0	1.1	0.6	1.1	1.3	0.5

Licensee Comments: none

Drill/Exercise Performance



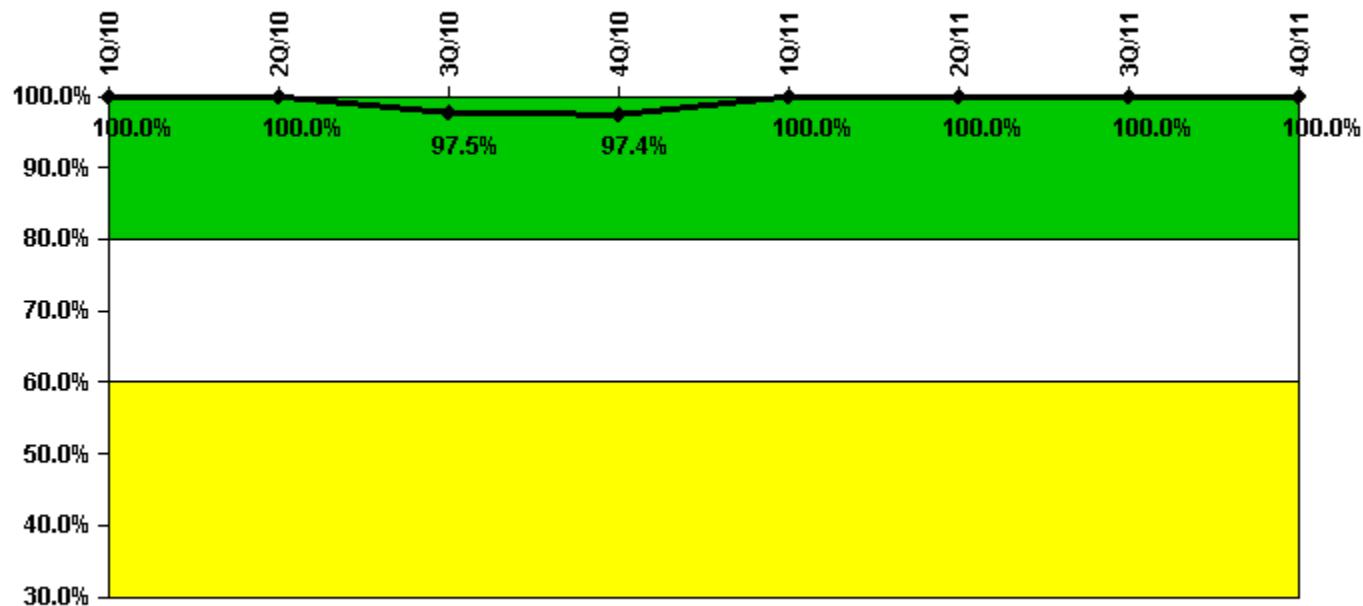
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful opportunities	38.0	15.0	2.0	23.0	10.0	15.0	30.0	46.0
Total opportunities	40.0	18.0	2.0	24.0	10.0	16.0	32.0	46.0
Indicator value	96.7%	95.3%	95.2%	94.8%	95.4%	94.4%	93.8%	95.2%

Licensee Comments: none

ERO Drill Participation



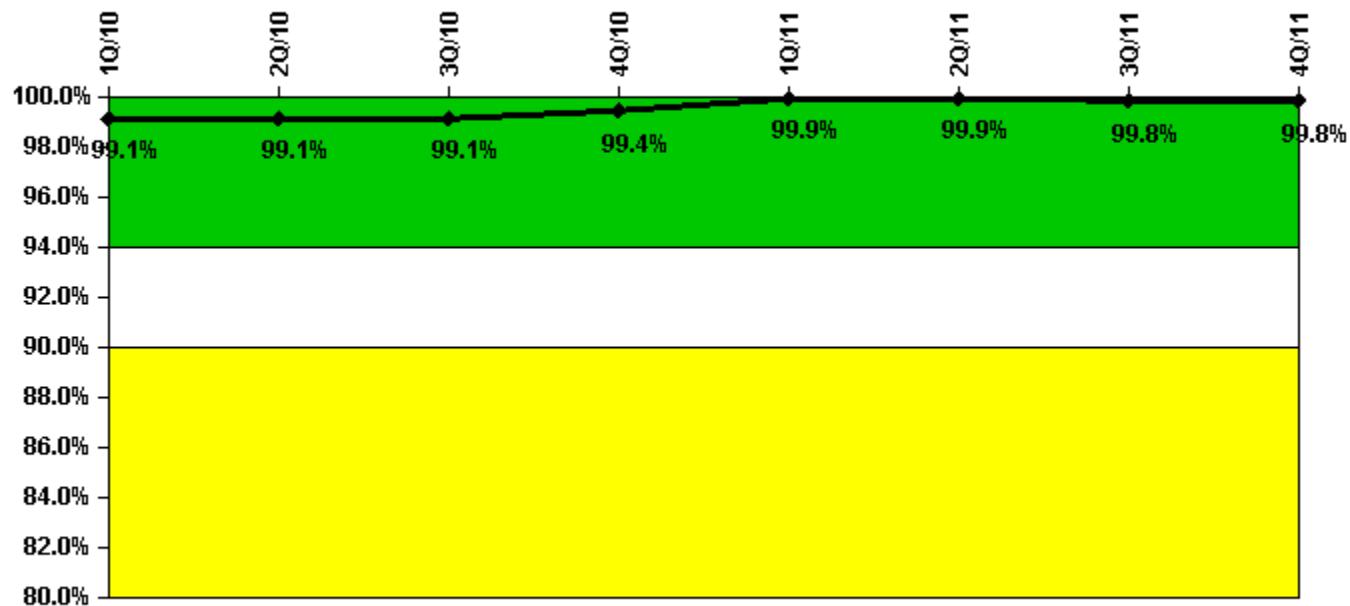
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Participating Key personnel	71.0	69.0	78.0	76.0	78.0	75.0	77.0	79.0
Total Key personnel	71.0	69.0	80.0	78.0	78.0	75.0	77.0	79.0
Indicator value	100.0%	100.0%	97.5%	97.4%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



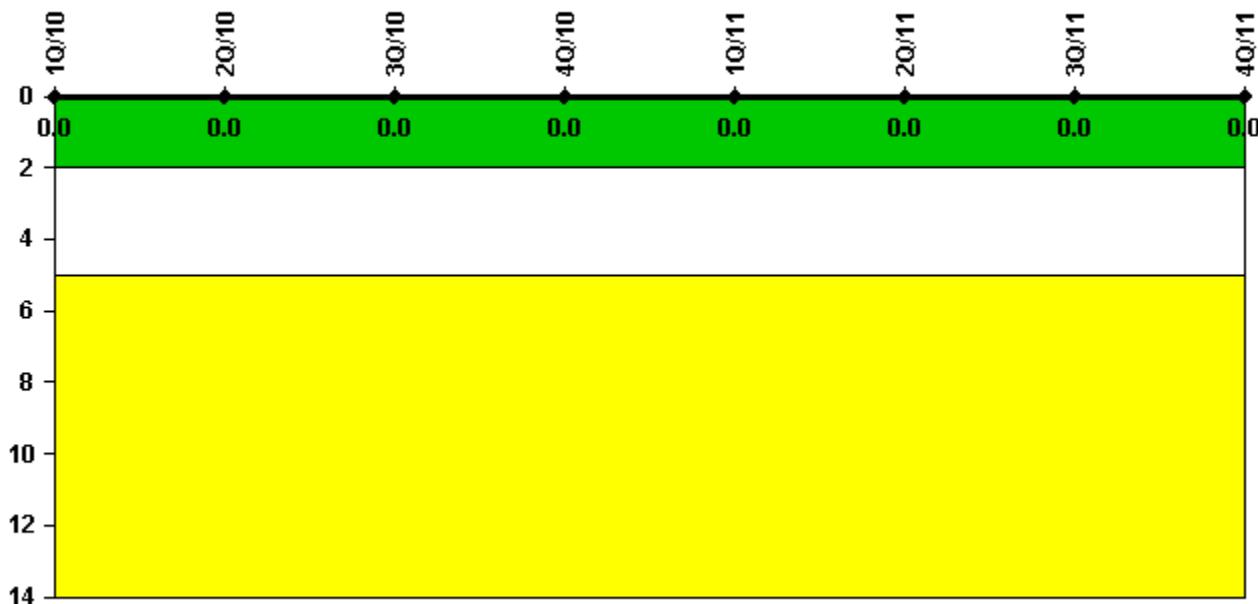
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful siren-tests	833	742	846	636	847	741	844	742
Total sirens-tests	848	742	848	636	848	742	848	742
Indicator value	99.1%	99.1%	99.1%	99.4%	99.9%	99.9%	99.8%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



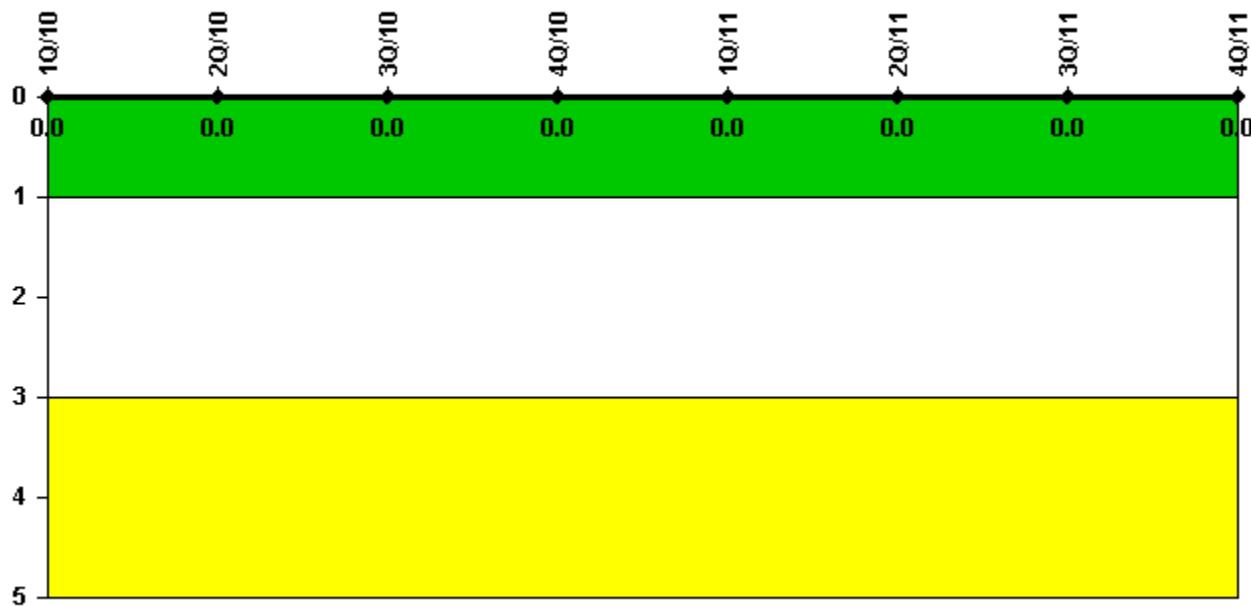
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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.

Summer

1Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



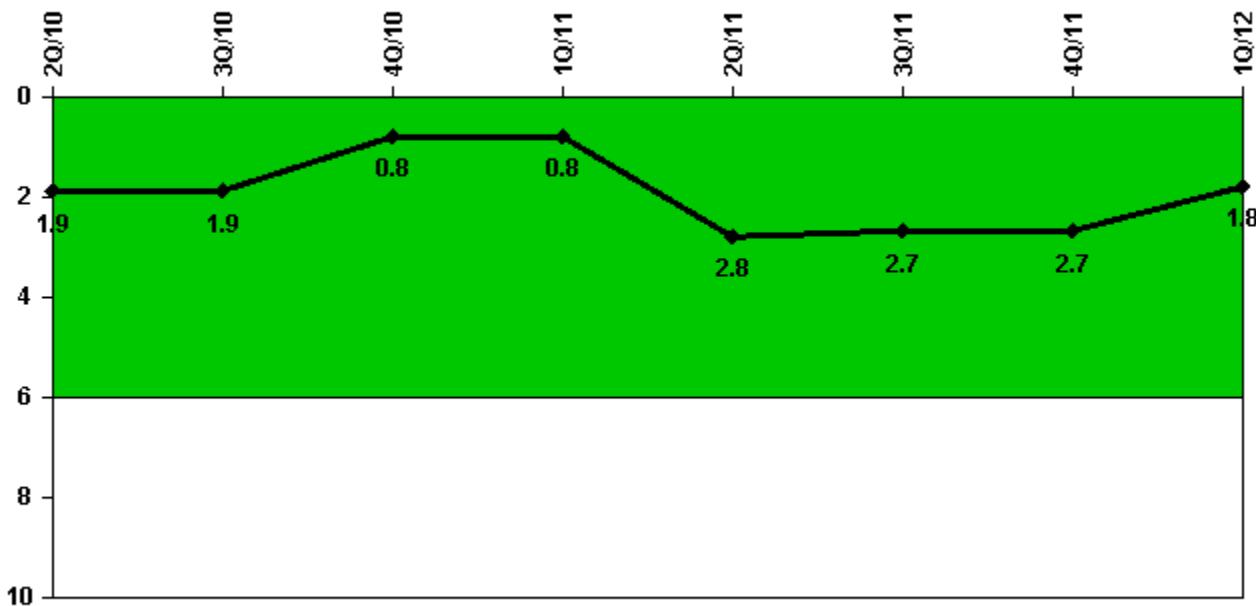
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2157.5	2209.0	2118.4	1136.4	2208.0	2209.0	2183.0
Indicator value	1.9	1.9	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



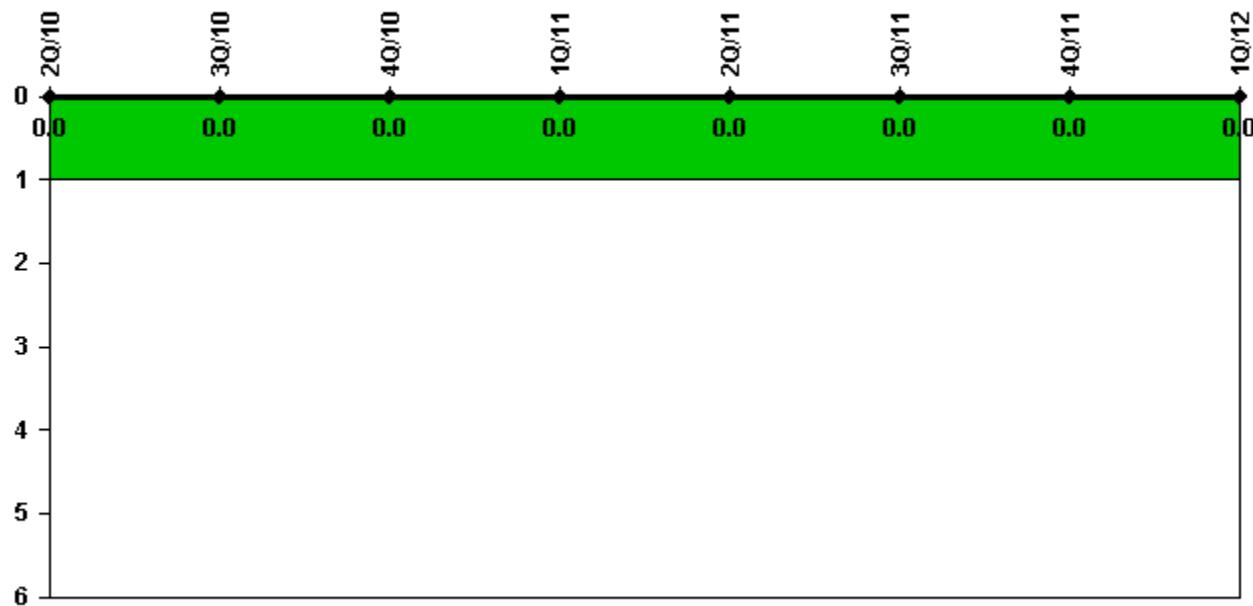
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	0	0	0	1.0	2.0	0	0	0
Critical hours	2184.0	2157.5	2209.0	2118.4	1136.4	2208.0	2209.0	2183.0
Indicator value	1.9	1.9	0.8	0.8	2.8	2.7	2.7	1.8

Licensee Comments: none

Unplanned Scrams with Complications



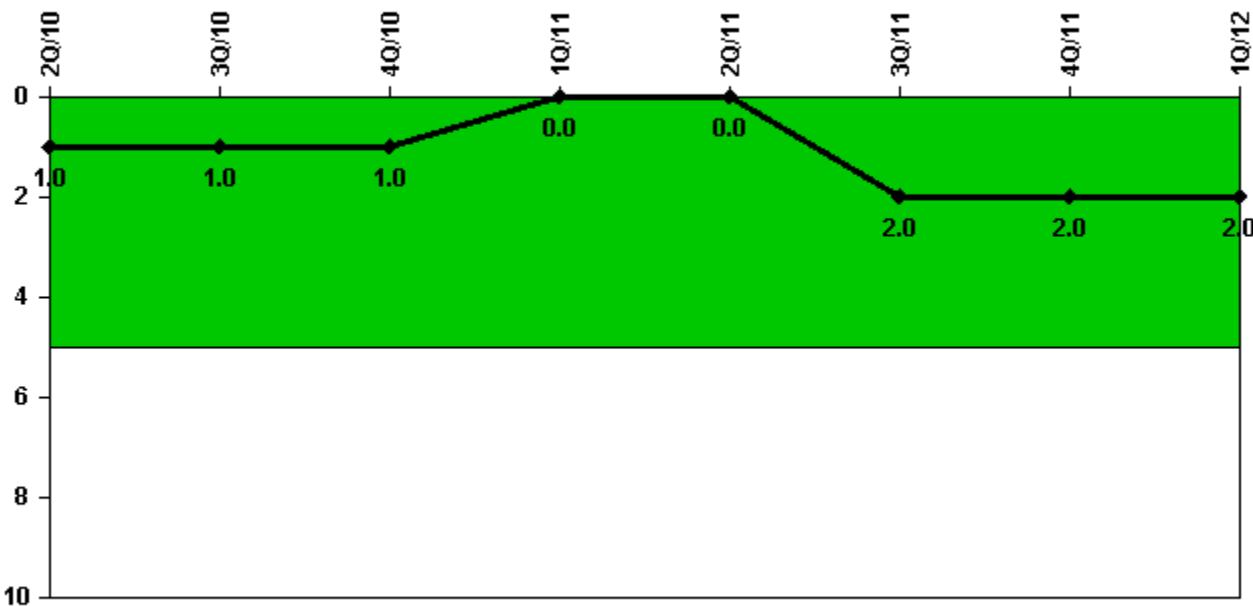
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

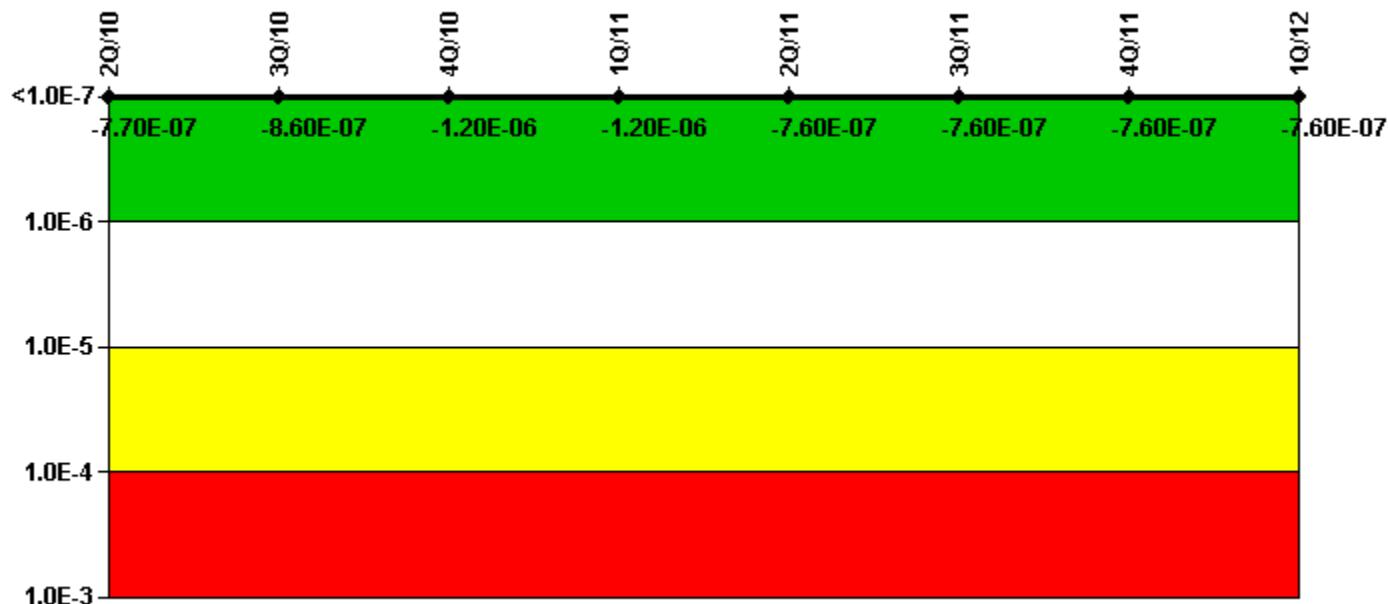
Notes

Safety System Functional Failures (PWR)	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Safety System Functional Failures	0	0	0	0	0	2	0	0
Indicator value	1	1	1	0	0	2	2	2

Licensee Comments:

3Q/11: LER-2011-001 - Failure to maintain one train of safe shutdown systems in accordance with Appendix R Section III.G.a/III.G.3
 LER-2011-002 - Failure to maintain one train of safe shutdown systems in accordance with Appendix R Section III.G.a/III.G.3

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 (Δ CDF)	3.40E-07	2.44E-07	-1.33E-07	-1.33E-07	-9.69E-08	-9.69E-08	-9.69E-08	-9.69E-08
URI (Δ CDF)	-1.11E-06	-1.11E-06	-1.11E-06	-1.11E-06	-6.60E-07	-6.60E-07	-6.60E-07	-6.60E-07
PLE	NO							
Indicator value	-7.70E-07	-8.60E-07	-1.20E-06	-1.20E-06	-7.60E-07	-7.60E-07	-7.60E-07	-7.60E-07

Licensee Comments:

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked.

3Q/11: Risk Cap Invoked.

2Q/11: Risk Cap Invoked.

1Q/11: Risk Cap Invoked. Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve.

4Q/10: Risk Cap Invoked.

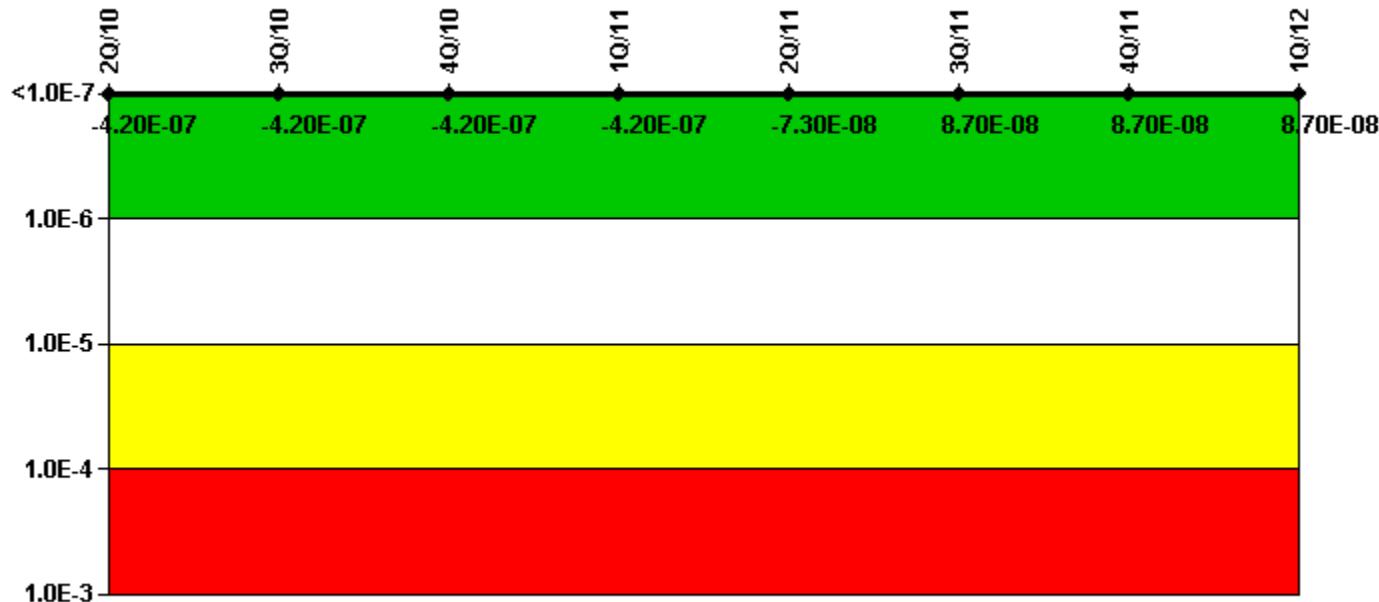
3Q/10: Risk Cap Invoked. Changed CDE MSPI coefficients and the MSPI Basis Document to adjust PRA modeling for a plant modification which added a second instrument air dryer and to update planned EDG online overhaul train unavailability.

3Q/10: Risk Cap Invoked. Changed CDE MSPI coefficients and the MSPI Basis Document to adjust PRA modeling for a plant modification which added a second instrument air dryer and to update planned EDG online overhaul train unavailability.

2Q/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	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-1.66E-07	-1.66E-07	-1.66E-07	-1.66E-07	-7.36E-09	-7.06E-09	-7.06E-09	-7.06E-09
URI (Δ CDF)	-2.54E-07	-2.54E-07	-2.55E-07	-2.55E-07	-6.60E-08	9.43E-08	9.43E-08	9.43E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-07	-4.20E-07	-4.20E-07	-4.20E-07	-7.30E-08	8.70E-08	8.70E-08	8.70E-08

Licensee Comments:

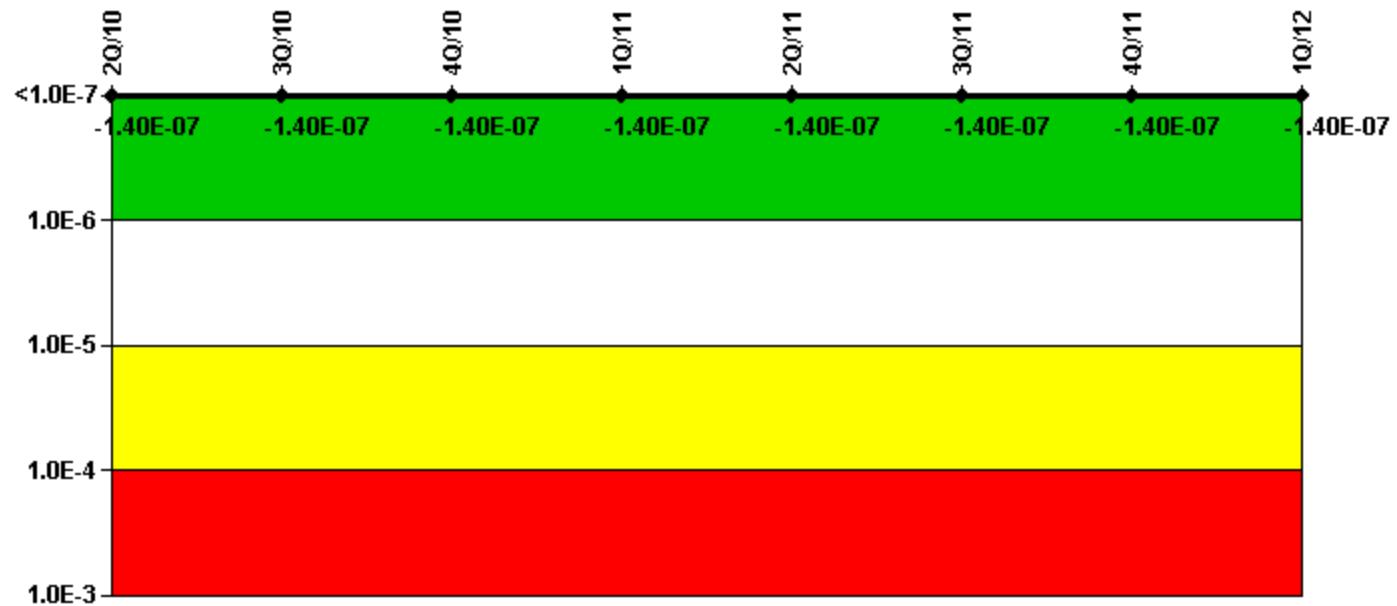
3Q/11: On 9/27/2011 "C" HPSI Pump breaker was improperly racked in on "A" train HPSI and the "A" HPSI Pump breaker was racked out-of-service. The "C" HPSI Pump breaker condition was not discovered until the pump failed to start during a test start. This event resulted in a Start/Demand failure and 1.2 hours of unplanned unavailability.

1Q/11: Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve.

3Q/10: Changed CDE MSPI coefficients and the MSPI Basis Document to adjust PRA modeling for a plant modification which added a second instrument air dryer and to update planned EDG online overhaul train

unavailability.

Mitigating Systems Performance Index, Heat Removal System



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

Notes

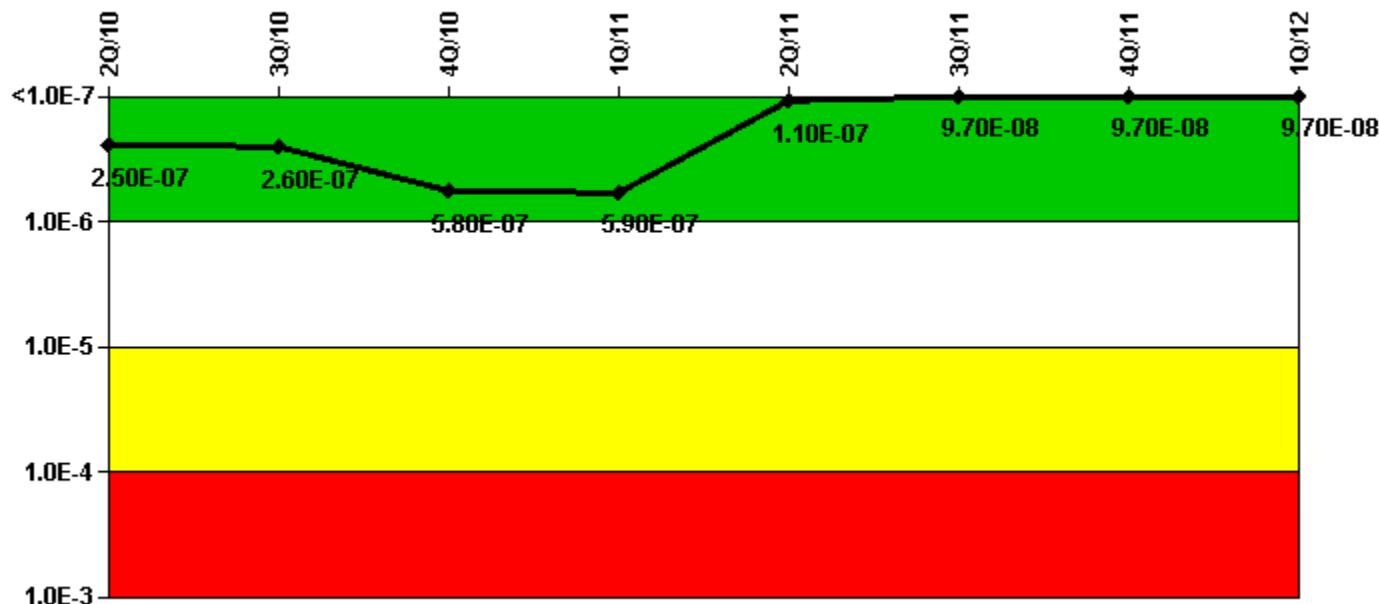
Mitigating Systems Performance Index, Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-2.50E-08	-2.50E-08	-2.52E-08	-2.52E-08	-2.05E-08	-2.07E-08	-2.11E-08	-2.11E-08
URI (Δ CDF)	-1.18E-07	-1.18E-07	-1.18E-07	-1.18E-07	-1.17E-07	-1.17E-07	-1.17E-07	-1.17E-07
PLE	NO							
Indicator value	-1.40E-07							

Licensee Comments:

1Q/11: Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve.

3Q/10: Changed CDE MSPI coefficients and the MSPI Basis Document to adjust PRA modeling for a plant modification which added a second instrument air dryer and to update planned EDG online overhaul train unavailability.

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 (Δ CDF)	-1.56E-08	-9.51E-09	1.13E-09	1.02E-08	4.01E-09	-4.48E-09	-4.48E-09	-4.49E-09
URI (Δ CDF)	2.70E-07	2.70E-07	5.76E-07	5.76E-07	1.01E-07	1.01E-07	1.01E-07	1.01E-07
PLE	NO							
Indicator value	2.50E-07	2.60E-07	5.80E-07	5.90E-07	1.10E-07	9.70E-08	9.70E-08	9.70E-08

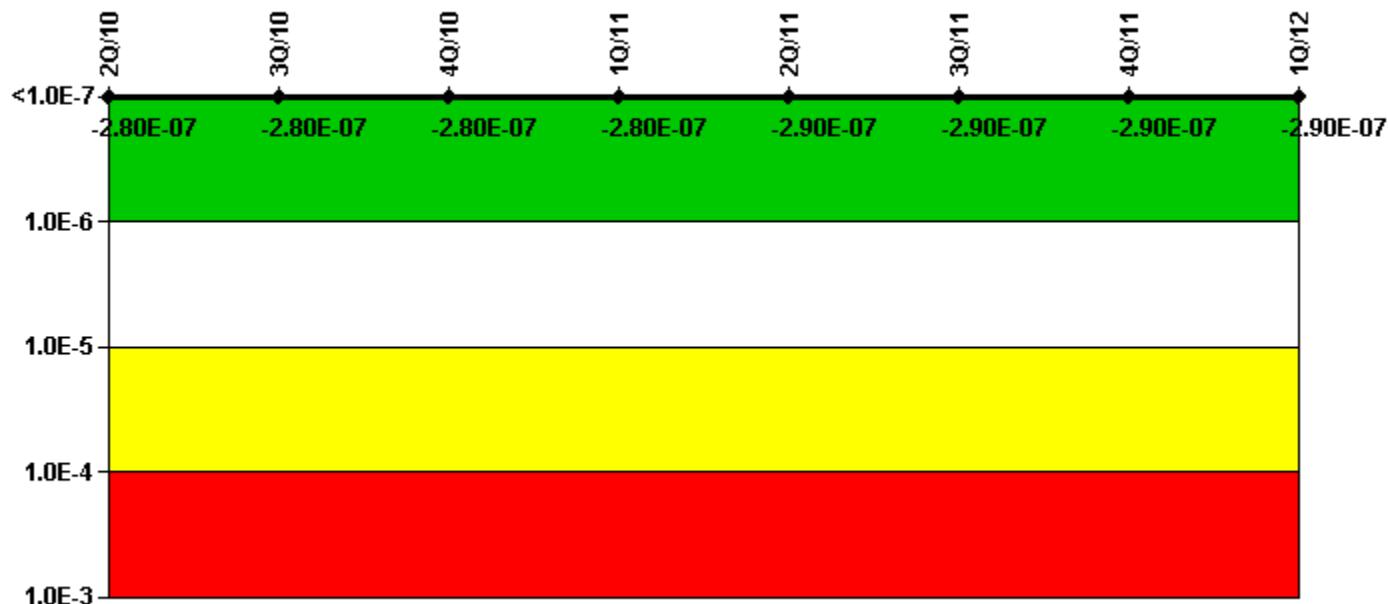
Licensee Comments:

1Q/11: Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve

3Q/10: Changed CDE MSPI coefficients and the MSPI Basis Document to adjust PRA modeling for a plant modification which added a second instrument air dryer and to update planned EDG online overhaul train unavailability.

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 (Δ CDF)	-3.00E-08	-3.00E-08	-3.00E-08	-3.00E-08	-2.78E-08	-2.78E-08	-2.78E-08	-2.78E-08
URI (Δ CDF)	-2.48E-07	-2.48E-07	-2.49E-07	-2.49E-07	-2.58E-07	-2.58E-07	-2.58E-07	-2.58E-07
PLE	NO							
Indicator value	-2.80E-07	-2.80E-07	-2.80E-07	-2.80E-07	-2.90E-07	-2.90E-07	-2.90E-07	-2.90E-07

Licensee Comments:

1Q/11: Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve

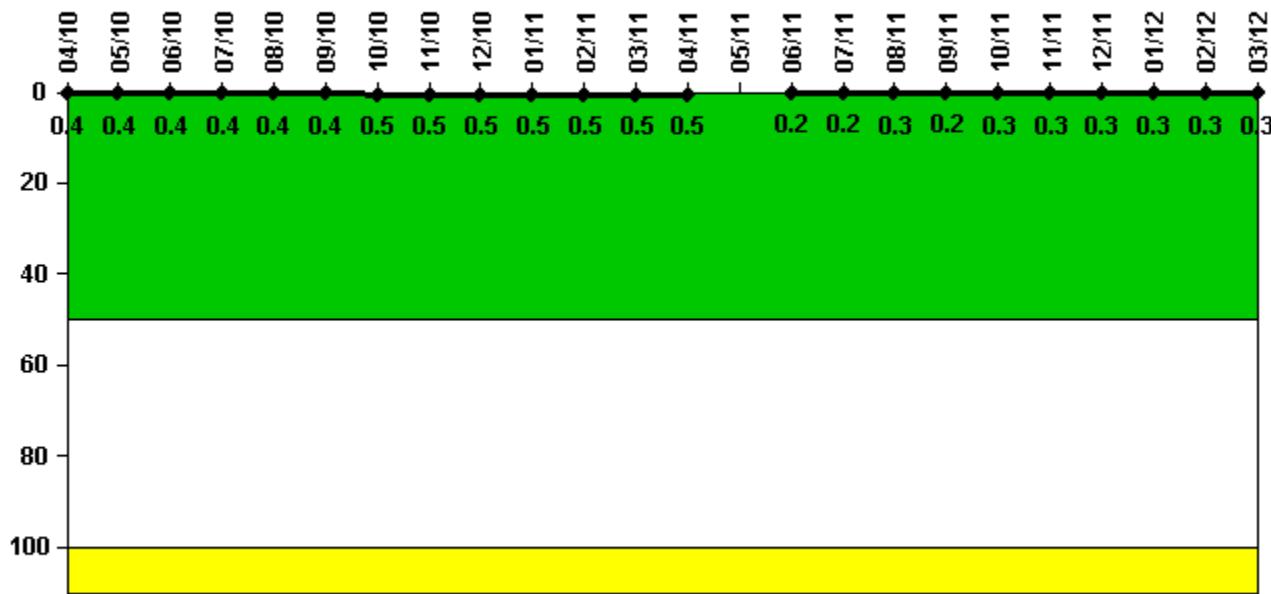
3Q/10: Changed PRA Parameter(s). Changed CDE MSPI coefficients and the MSPI Basis Document to adjust PRA modeling for a plant modification which added a second instrument air dryer and to update planned EDG online overhaul train unavailability.

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

2Q/10: Planned Unavailability for "B" Component Cooling Water was changed from 0.8 hrs. to 0.0 hours because the system was maintained functional during the maintenance activity.

2Q/10: Changed PRA Parameter(s). PRA production data inadvertently changes while performing "What If" analysis. PRA production data subsequently revised to reflect correct data.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

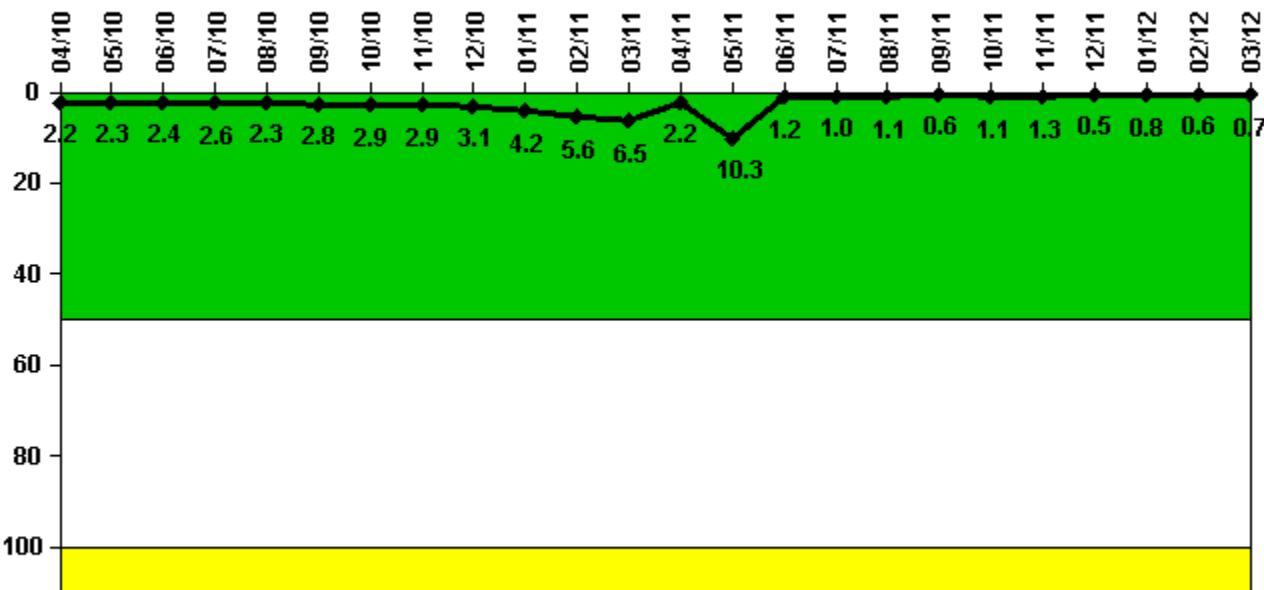
Notes

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	0.000228	0.000235	0.000253	0.000256	0.000248	0.000263	0.000270	0.000271	0.000291	0.000300	0.000322	0.000309
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5
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	0.000313	N/A	0.000135	0.000139	0.000149	0.000147	0.000155	0.000164	0.000161	0.000170	0.000170	0.000175
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.5	N/A	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3

Licensee Comments:

9/10: Reactor Coolant System Activity Technical Specification Limit of 1.0 was changed to currently used administrative limit of 0.059. This change dates back to April 2005

Reactor Coolant System Leakage



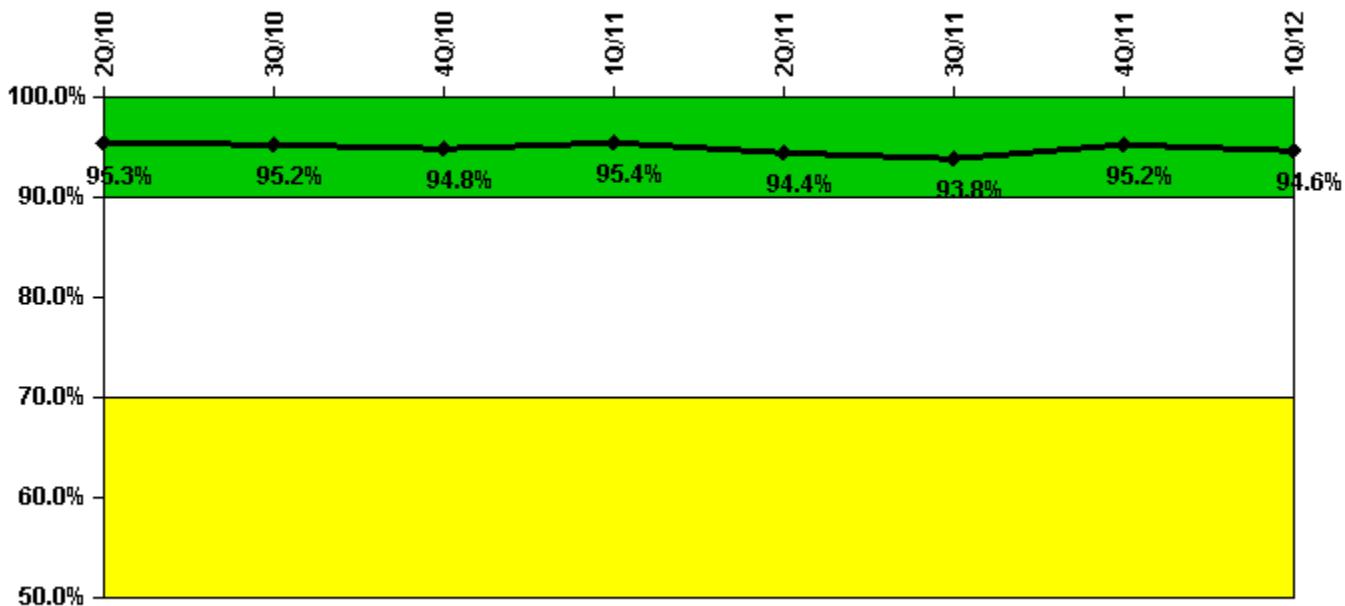
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum leakage	0.220	0.230	0.240	0.260	0.230	0.280	0.290	0.290	0.310	0.420	0.560	0.650
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.2	2.3	2.4	2.6	2.3	2.8	2.9	2.9	3.1	4.2	5.6	6.5
Reactor Coolant System Leakage	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum leakage	0.220	1.030	0.120	0.100	0.110	0.060	0.110	0.130	0.050	0.080	0.060	0.070
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.2	10.3	1.2	1.0	1.1	0.6	1.1	1.3	0.5	0.8	0.6	0.7

Licensee Comments: none

Drill/Exercise Performance



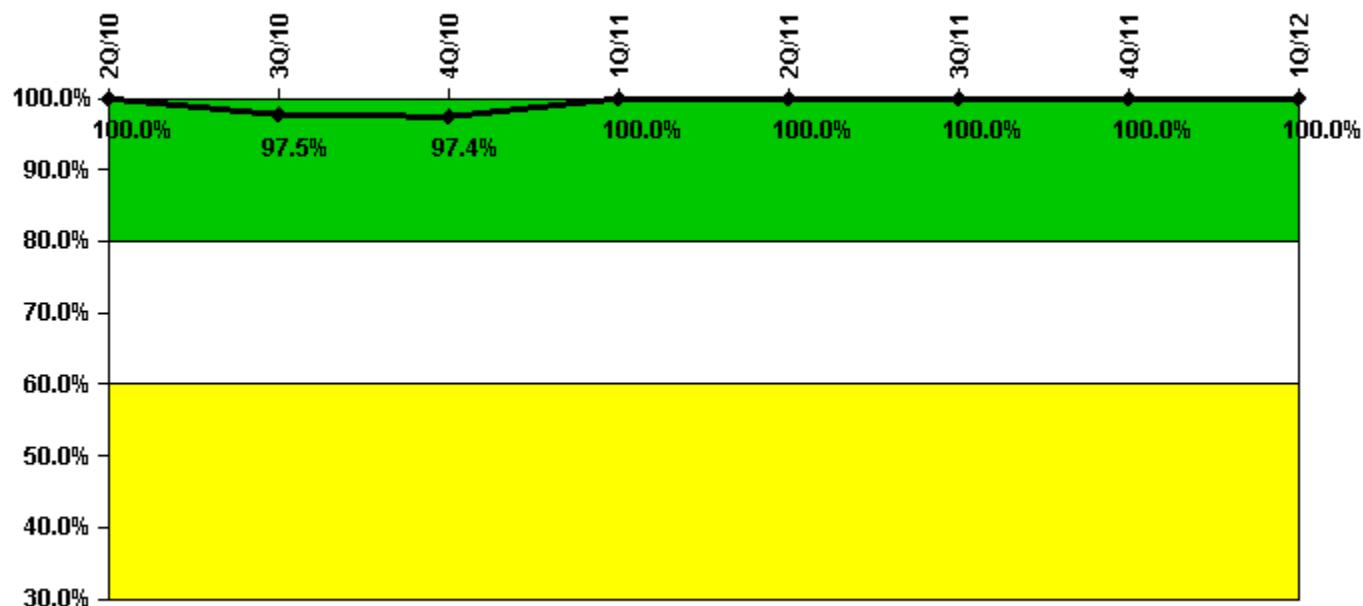
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful opportunities	15.0	2.0	23.0	10.0	15.0	30.0	46.0	52.0
Total opportunities	18.0	2.0	24.0	10.0	16.0	32.0	46.0	56.0
Indicator value	95.3%	95.2%	94.8%	95.4%	94.4%	93.8%	95.2%	94.6%

Licensee Comments: none

ERO Drill Participation



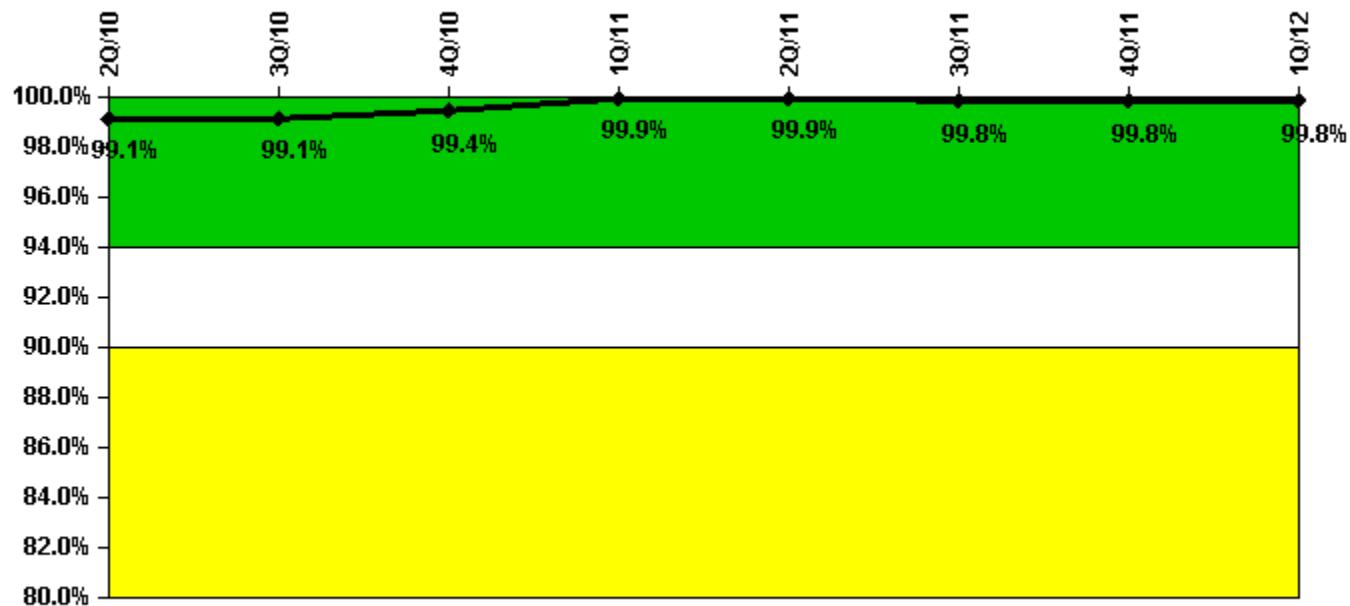
Thresholds: White < 80.0% Yellow < 60.0%

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	78.0	76.0	78.0	75.0	77.0	79.0	80.0
Total Key personnel	69.0	80.0	78.0	78.0	75.0	77.0	79.0	80.0
Indicator value	100.0%	97.5%	97.4%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



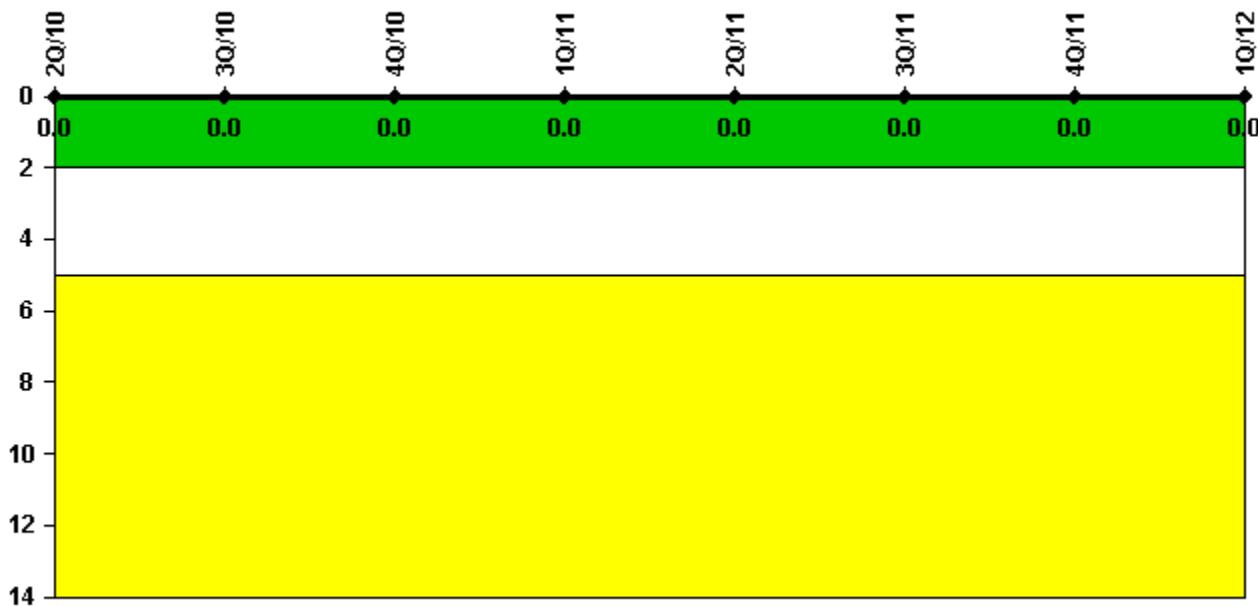
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful siren-tests	742	846	636	847	741	844	742	846
Total sirens-tests	742	848	636	848	742	848	742	848
Indicator value	99.1%	99.1%	99.4%	99.9%	99.9%	99.8%	99.8%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



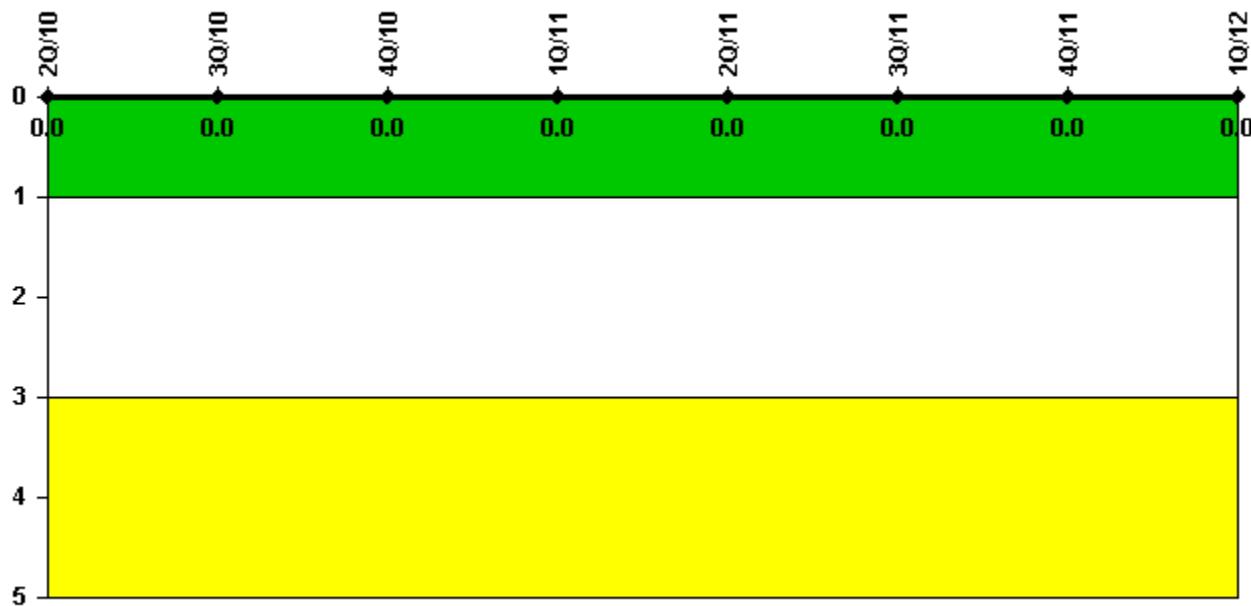
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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.

Summer

2Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



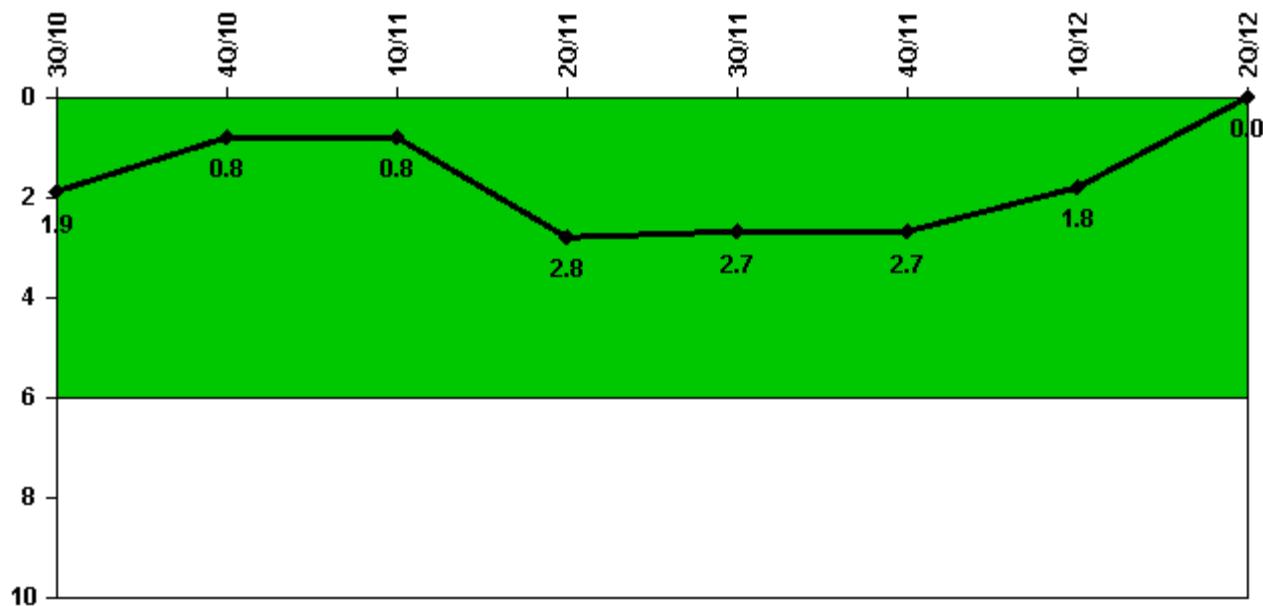
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2157.5	2209.0	2118.4	1136.4	2208.0	2209.0	2183.0	2184.0
Indicator value	1.9	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



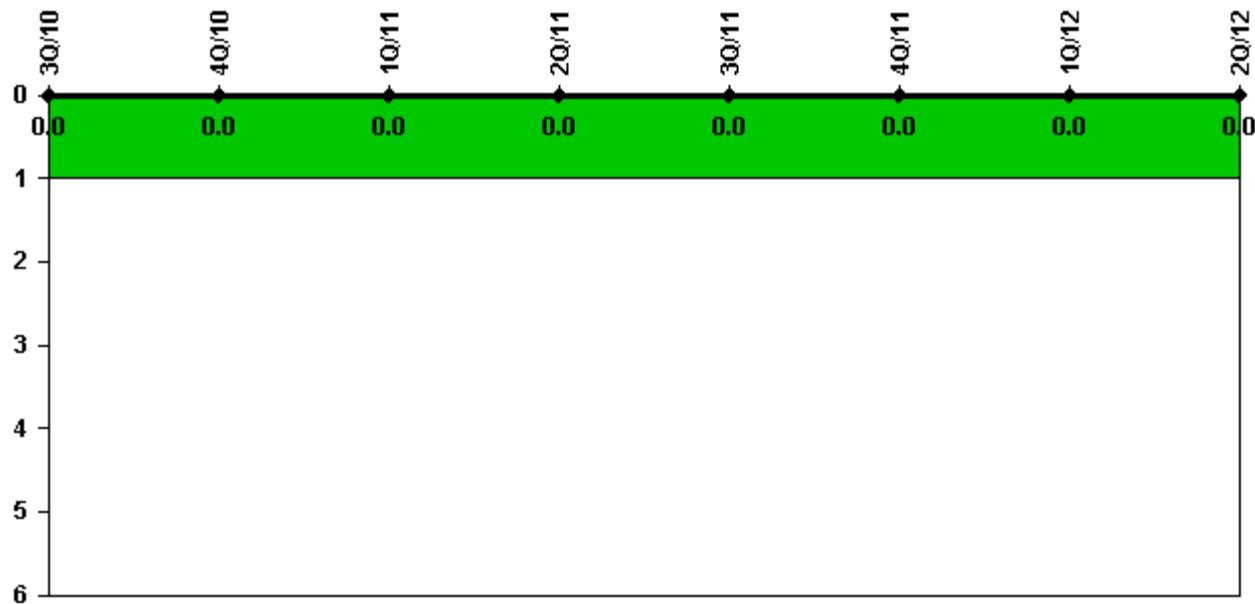
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned power changes	0	0	1.0	2.0	0	0	0	0
Critical hours	2157.5	2209.0	2118.4	1136.4	2208.0	2209.0	2183.0	2184.0
Indicator value	1.9	0.8	0.8	2.8	2.7	2.7	1.8	0

Licensee Comments: none

Unplanned Scrams with Complications



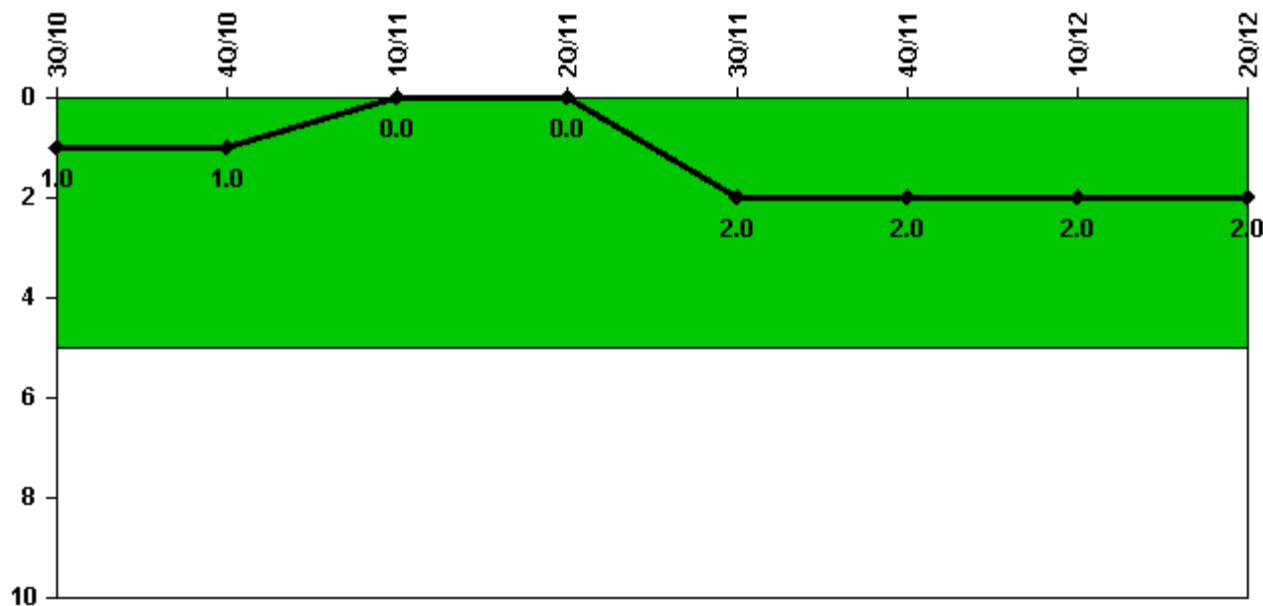
Thresholds: White > 1.0

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							

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

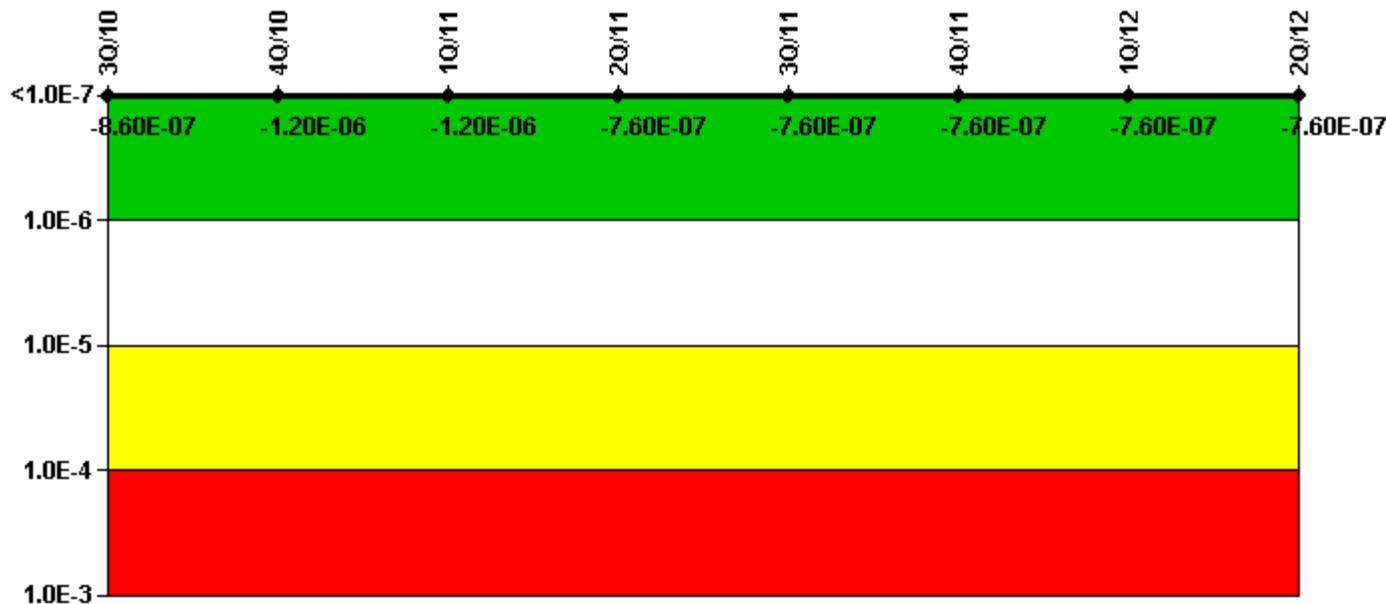
Notes

Safety System Functional Failures (PWR)	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Safety System Functional Failures	0	0	0	0	2	0	0	0
Indicator value	1	1	0	0	2	2	2	2

Licensee Comments:

3Q/11: LER-2011-001 - Failure to maintain one train of safe shutdown systems in accordance with Appendix R Section III.G.a/III.G.3 LER-2011-002 - Failure to maintain one train of safe shutdown systems in accordance with Appendix R Section III.G.a/III.G.3

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 (Δ CDF)	2.44E-07	-1.33E-07	-1.33E-07	-9.69E-08	-9.69E-08	-9.69E-08	-9.69E-08	-9.69E-08
URI (Δ CDF)	-1.11E-06	-1.11E-06	-1.11E-06	-6.60E-07	-6.60E-07	-6.60E-07	-6.60E-07	-6.60E-07
PLE	NO							
Indicator value	-8.60E-07	-1.20E-06	-1.20E-06	-7.60E-07	-7.60E-07	-7.60E-07	-7.60E-07	-7.60E-07

Licensee Comments:

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked.

3Q/11: Risk Cap Invoked.

2Q/11: Risk Cap Invoked.

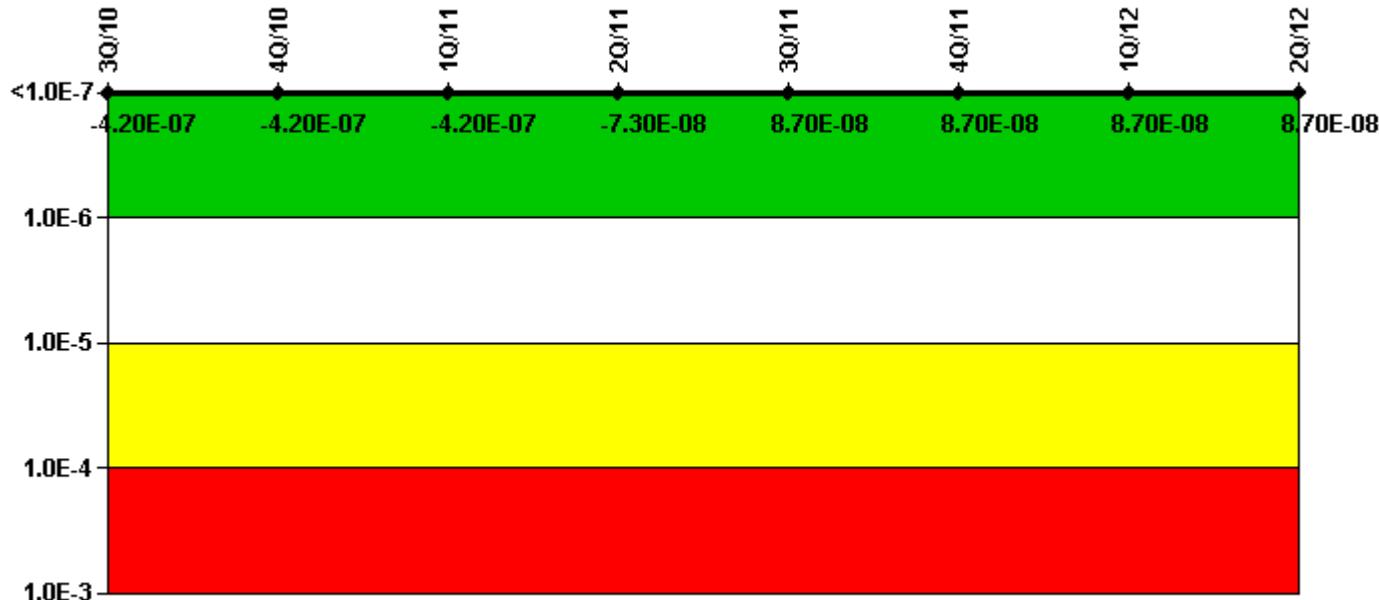
1Q/11: Risk Cap Invoked. Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve.

4Q/10: Risk Cap Invoked.

3Q/10: Risk Cap Invoked. Changed CDE MSPI coefficients and the MSPI Basis Document to adjust PRA modeling for a plant modification which added a second instrument air dryer and to update planned EDG online overhaul train unavailability.

3Q/10: Risk Cap Invoked. Changed CDE MSPI coefficients and the MSPI Basis Document to adjust PRA modeling for a plant modification which added a second instrument air dryer and to update planned EDG online overhaul train unavailability.

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 (ACDF)	-1.66E-07	-1.66E-07	-1.66E-07	-7.36E-09	-7.06E-09	-7.06E-09	-7.06E-09	-7.06E-09
URI (ACDF)	-2.54E-07	-2.55E-07	-2.55E-07	-6.60E-08	9.43E-08	9.43E-08	9.43E-08	9.43E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-07	-4.20E-07	-4.20E-07	-7.30E-08	8.70E-08	8.70E-08	8.70E-08	8.70E-08

Licensee Comments:

3Q/11: On 9/27/2011 "C" HPSI Pump breaker was improperly racked in on "A" train HPSI and the "A" HPSI Pump breaker was racked out-of-service. The "C" HPSI Pump breaker condition was not discovered until the pump failed to start during a test start. This event resulted in a Start/Demand failure and 1.2 hours of unplanned unavailability.

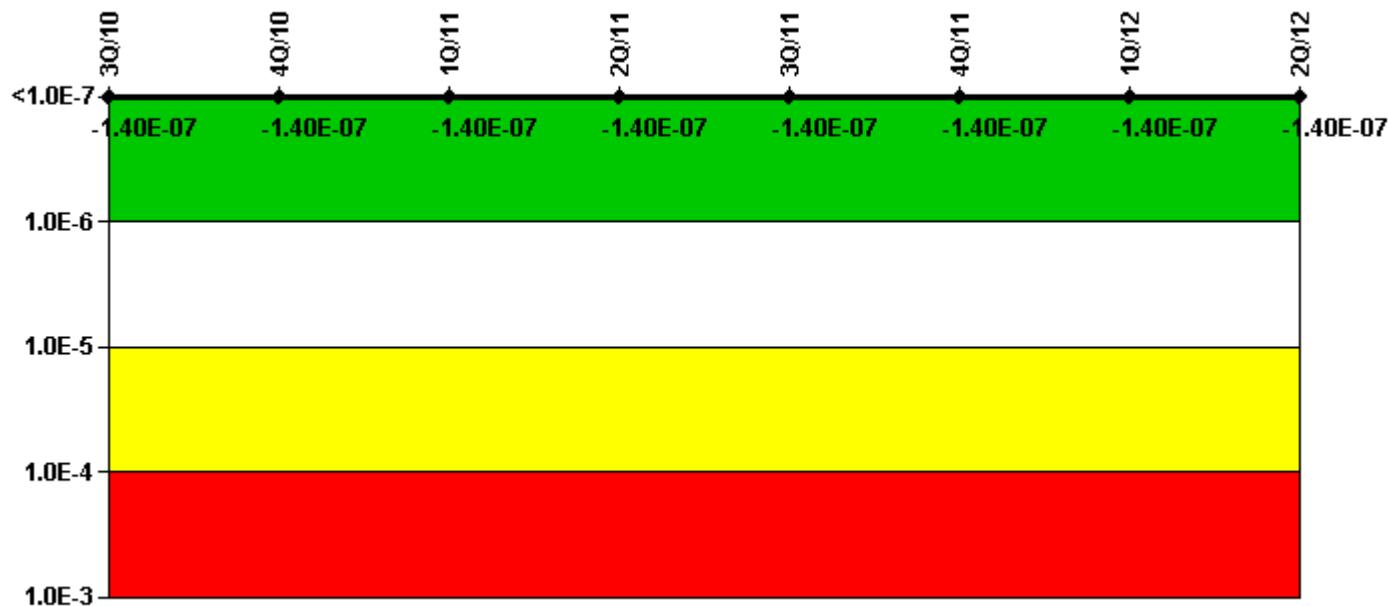
3Q/11: On 9/27/2011 "C" HPSI Pump failed to start on "A" train HPSI with the "A" HPSI Pump breaker racked out-of-service. This resulted in a Start/Demand failure and 1.2 hours of unplanned unavailability for the "A" Train HPSI. The apparent cause of the failure of the "C" Charging Pump breaker to close is a poorly designed and/or installed modification of the breaker pad lock bracket along with post modification testing failing to identify the design/installation deficiencies. This modification defeated the original design feature of the pad lock bracket that maintained a comfortable gap between the racking handle left side support arm and the pad lock bracket to ensure no potential for binding of the racking handle. With this gap eliminated, the racking handle was not able to return to

the fully disengaged position under the force of its retracting spring as it is designed to do.

1Q/11: Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve.

3Q/10: Changed CDE MSPI coefficients and the MSPI Basis Document to adjust PRA modeling for a plant modification which added a second instrument air dryer and to update planned EDG online overhaul train unavailability.

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 (Δ CDF)	-2.50E-08	-2.52E-08	-2.52E-08	-2.05E-08	-2.07E-08	-2.11E-08	-2.11E-08	-2.11E-08
URI (Δ CDF)	-1.18E-07	-1.18E-07	-1.18E-07	-1.17E-07	-1.17E-07	-1.17E-07	-1.17E-07	-1.17E-07
PLE	NO							
Indicator value	-1.40E-07							

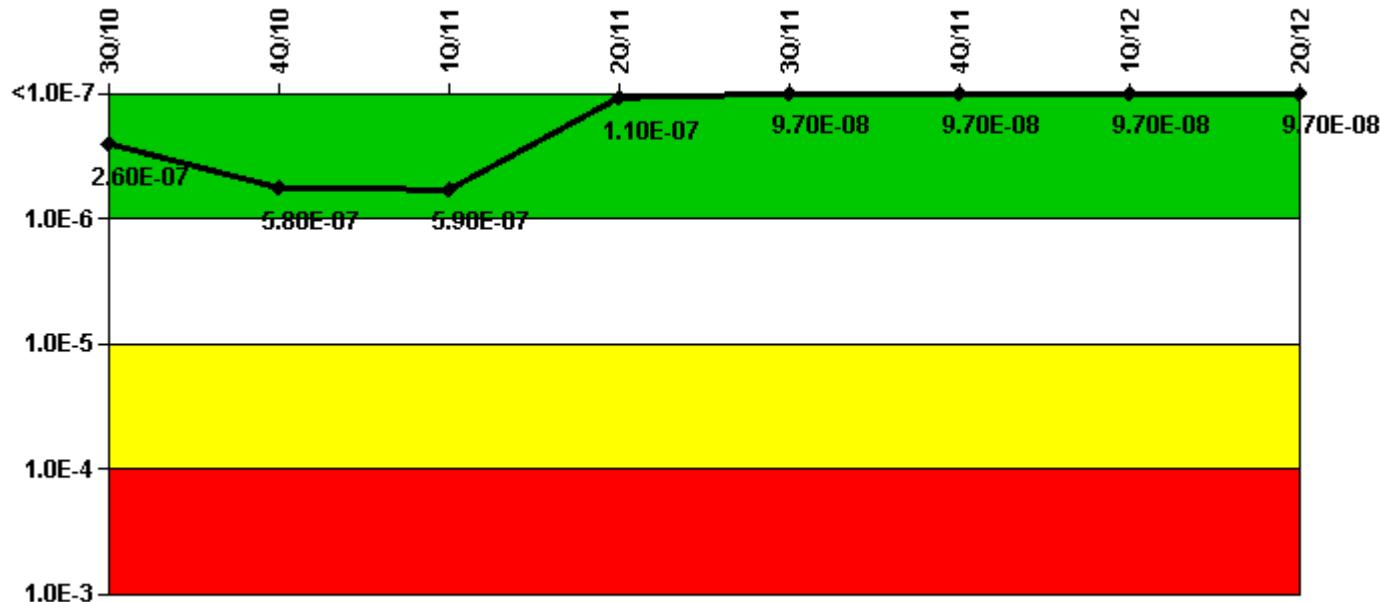
Licensee Comments:

1Q/11: Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve.

3Q/10: Changed CDE MSPI coefficients and the MSPI Basis Document to adjust PRA modeling for a plant modification which added a second instrument air dryer and to update planned EDG online overhaul train

unavailability.

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

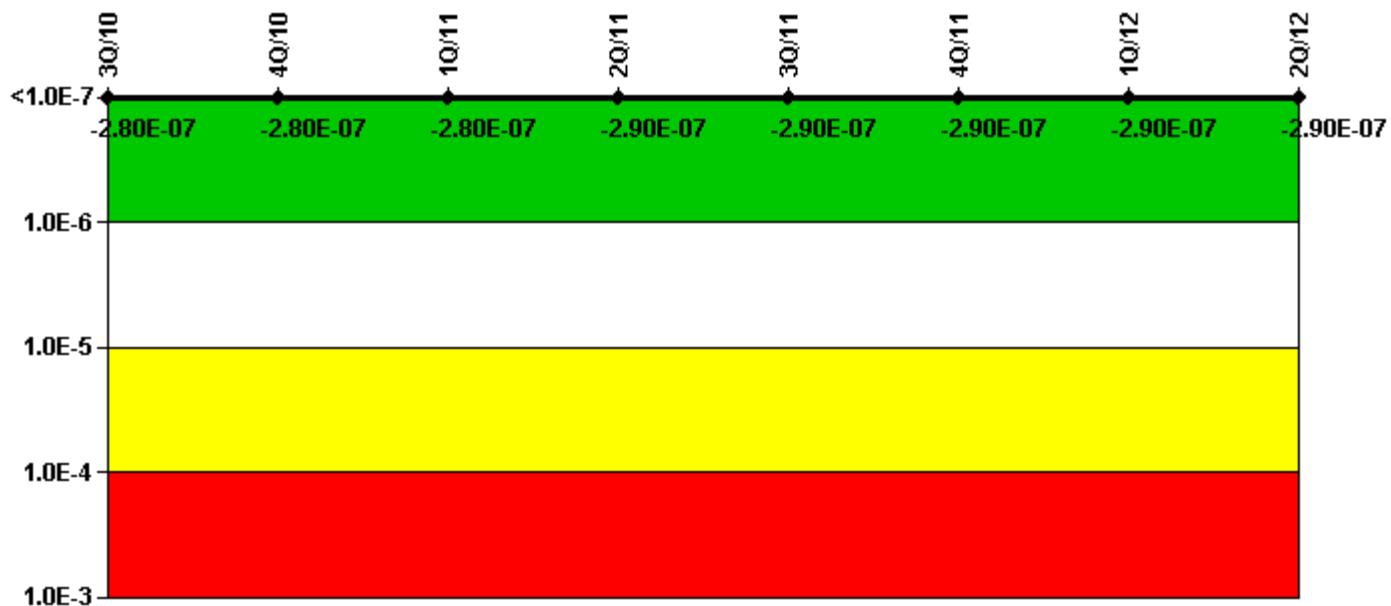
Mitigating Systems Performance Index, Residual Heat Removal System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ACDF)	-9.51E-09	1.13E-09	1.02E-08	4.01E-09	-4.48E-09	-4.48E-09	-4.49E-09	-4.49E-09
URI (ACDF)	2.70E-07	5.76E-07	5.76E-07	1.01E-07	1.01E-07	1.01E-07	1.01E-07	1.01E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.60E-07	5.80E-07	5.90E-07	1.10E-07	9.70E-08	9.70E-08	9.70E-08	9.70E-08

Licensee Comments:

1Q/11: Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve

3Q/10: Changed CDE MSPI coefficients and the MSPI Basis Document to adjust PRA modeling for a plant modification which added a second instrument air dryer and to update planned EDG online overhaul train unavailability.

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

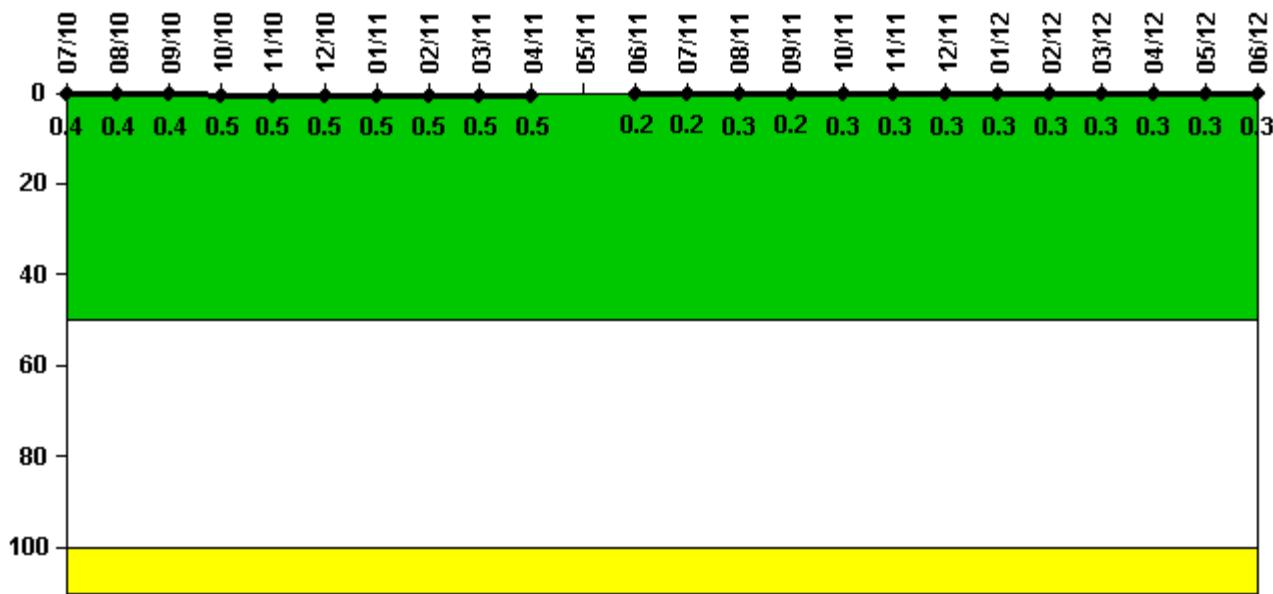
Mitigating Systems Performance Index, Cooling Water Systems	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	-3.00E-08	-3.00E-08	-3.00E-08	-2.78E-08	-2.78E-08	-2.78E-08	-2.78E-08	-2.78E-08
URI (ΔCDF)	-2.48E-07	-2.49E-07	-2.49E-07	-2.58E-07	-2.58E-07	-2.58E-07	-2.58E-07	-2.58E-07
PLE	NO							
Indicator value	-2.80E-07	-2.80E-07	-2.80E-07	-2.90E-07	-2.90E-07	-2.90E-07	-2.90E-07	-2.90E-07

Licensee Comments:

1Q/11: Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve

3Q/10: Changed PRA Parameter(s). Changed CDE MSPI coefficients and the MSPI Basis Document to adjust PRA modeling for a plant modification which added a second instrument air dryer and to update planned EDG online overhaul train unavailability.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

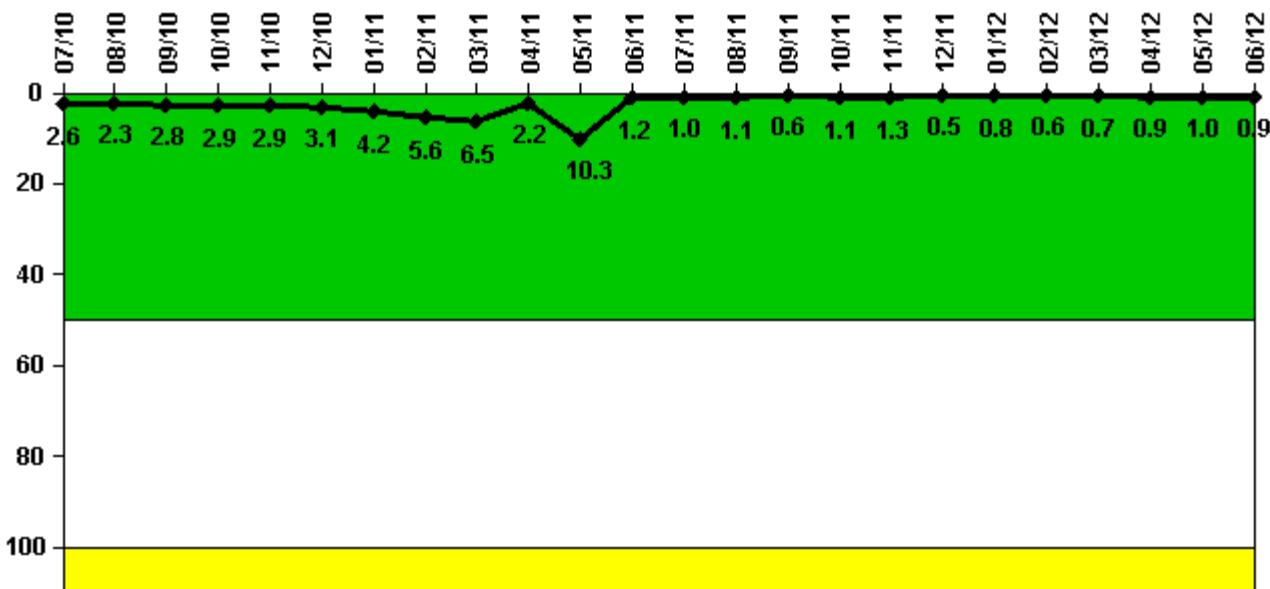
Notes

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		0.000256	0.000248	0.000263	0.000270	0.000271	0.000291	0.000300	0.000322	0.000309	0.000313	N/A	0.000135
Technical specification limit		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value		0.4	0.4	0.4	0.5	N/A	0.2						
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		0.000139	0.000149	0.000147	0.000155	0.000164	0.000161	0.000170	0.000170	0.000175	0.000171	0.000173	0.000179
Technical specification limit		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value		0.2	0.3	0.2	0.3								

Licensee Comments:

9/10: Reactor Coolant System Activity Technical Specification Limit of 1.0 was changed to currently used administrative limit of 0.059. This change dates back to April 2005

Reactor Coolant System Leakage



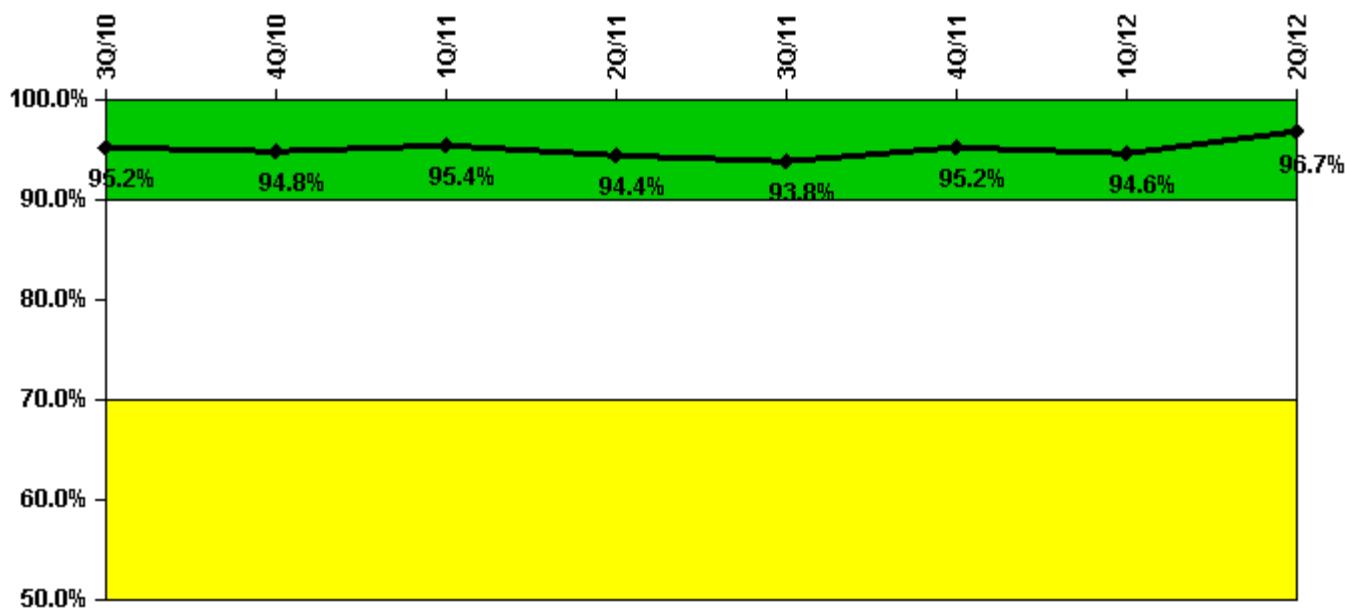
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum leakage	0.260	0.230	0.280	0.290	0.290	0.310	0.420	0.560	0.650	0.220	1.030	0.120
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.6	2.3	2.8	2.9	2.9	3.1	4.2	5.6	6.5	2.2	10.3	1.2
Reactor Coolant System Leakage	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12
Maximum leakage	0.100	0.110	0.060	0.110	0.130	0.050	0.080	0.060	0.070	0.090	0.100	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.0	1.1	0.6	1.1	1.3	0.5	0.8	0.6	0.7	0.9	1.0	0.9

Licensee Comments: none

Drill/Exercise Performance



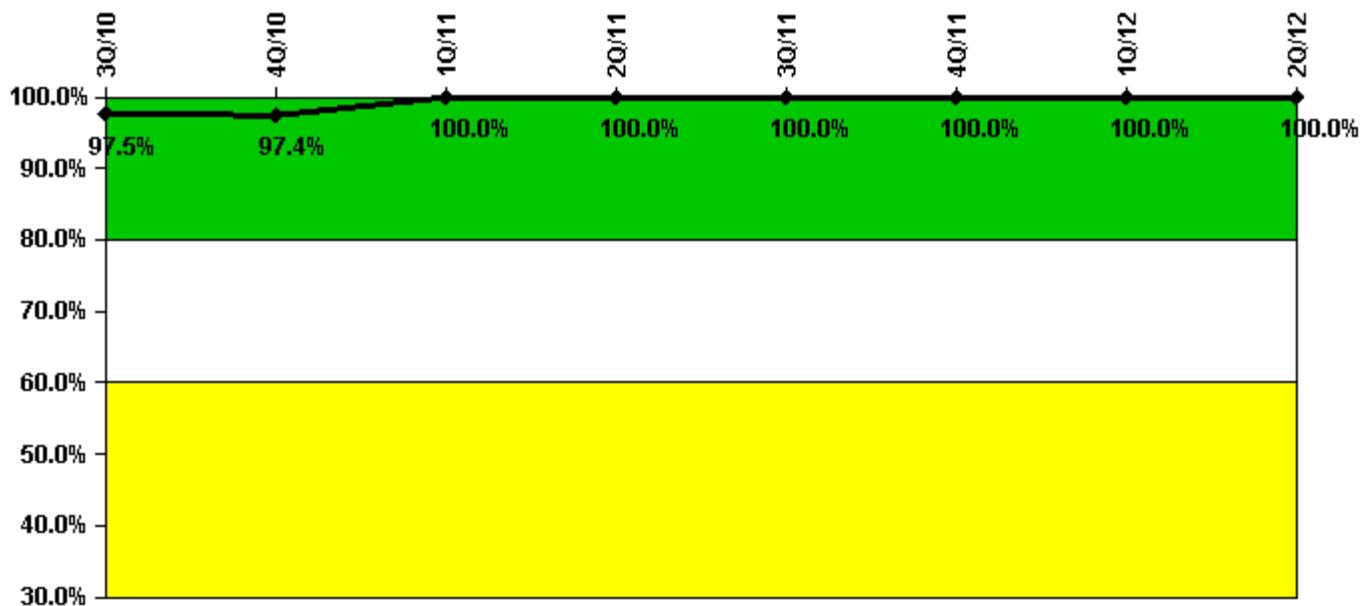
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful opportunities	2.0	23.0	10.0	15.0	30.0	46.0	52.0	56.0
Total opportunities	2.0	24.0	10.0	16.0	32.0	46.0	56.0	56.0
Indicator value	95.2%	94.8%	95.4%	94.4%	93.8%	95.2%	94.6%	96.7%

Licensee Comments: none

ERO Drill Participation



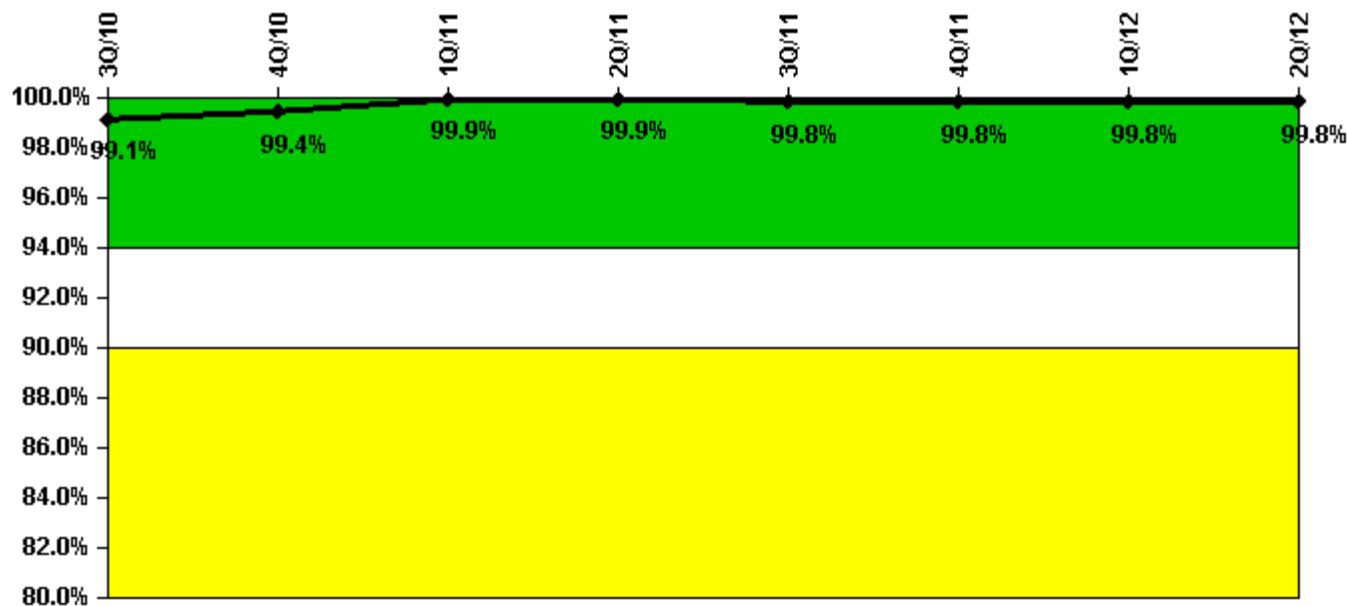
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Participating Key personnel	78.0	76.0	78.0	75.0	77.0	79.0	80.0	75.0
Total Key personnel	80.0	78.0	78.0	75.0	77.0	79.0	80.0	75.0
Indicator value	97.5%	97.4%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



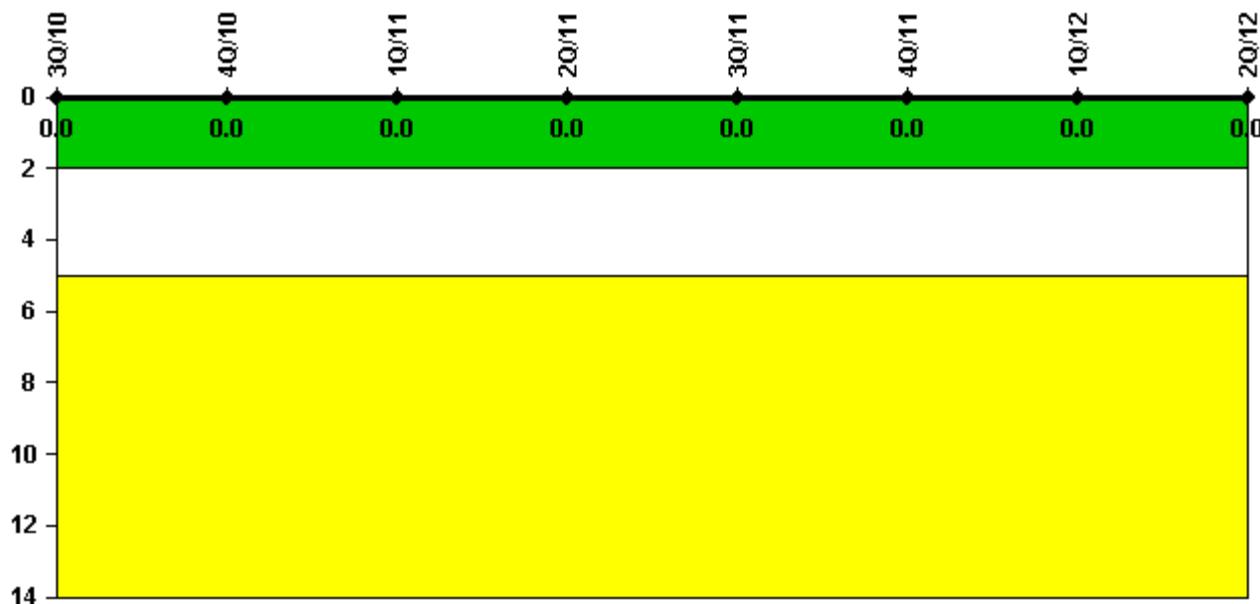
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful siren-tests	846	636	847	741	844	742	846	742
Total sirens-tests	848	636	848	742	848	742	848	742
Indicator value	99.1%	99.4%	99.9%	99.9%	99.8%	99.8%	99.8%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



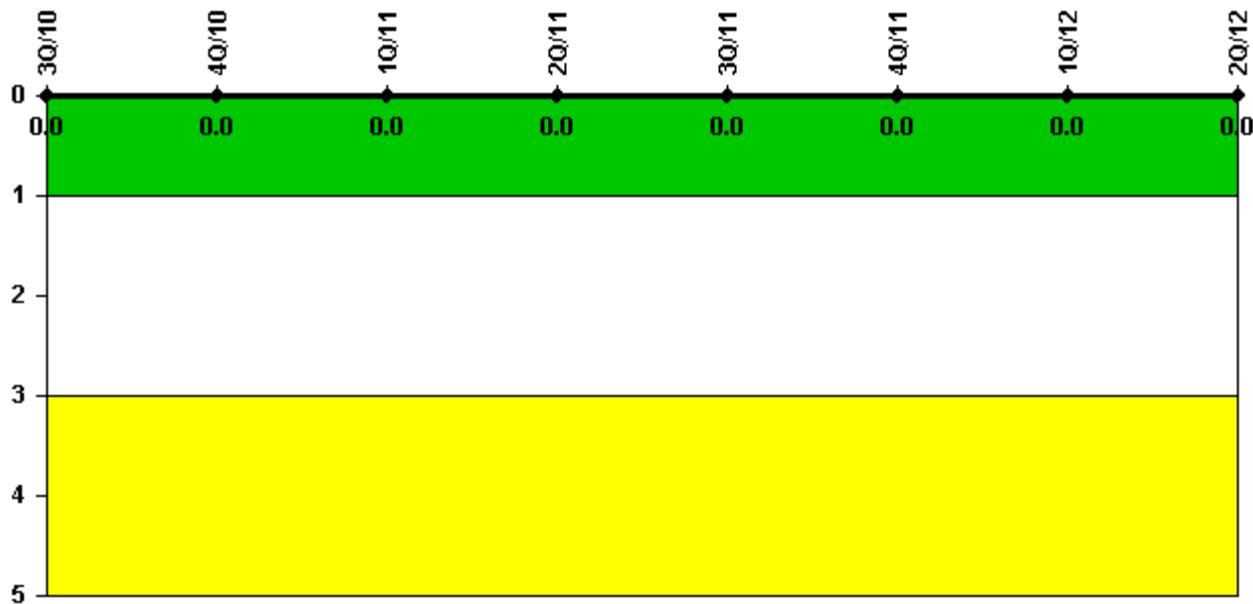
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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.



[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Summer

3Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



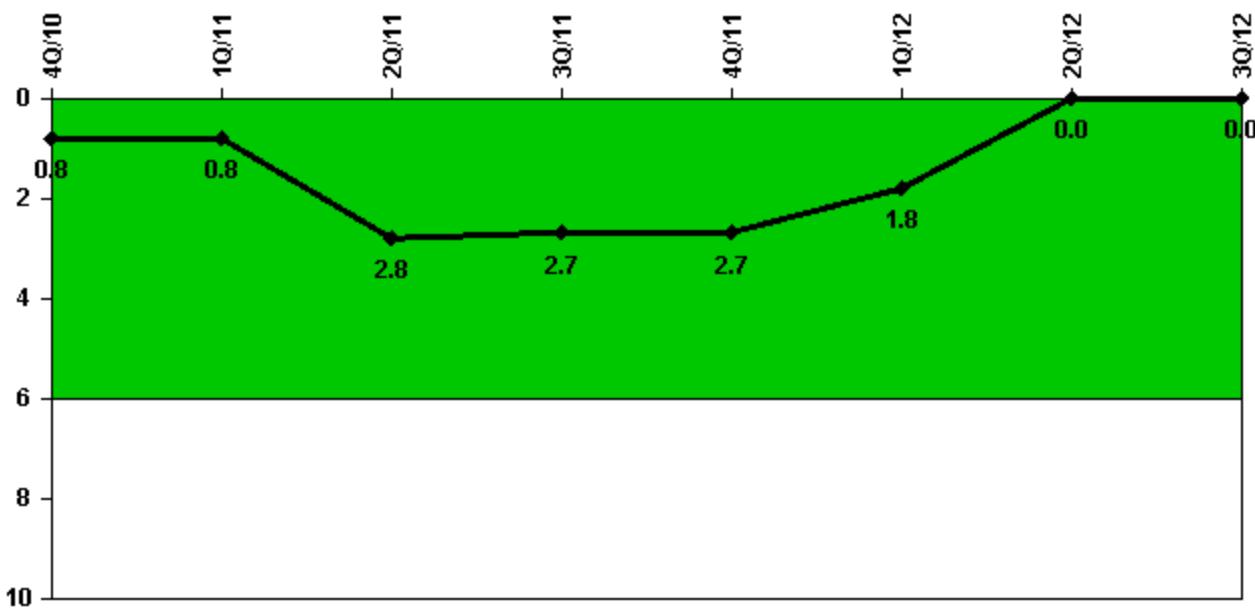
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2118.4	1136.4	2208.0	2209.0	2183.0	2184.0	2208.0
Indicator value	0							

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



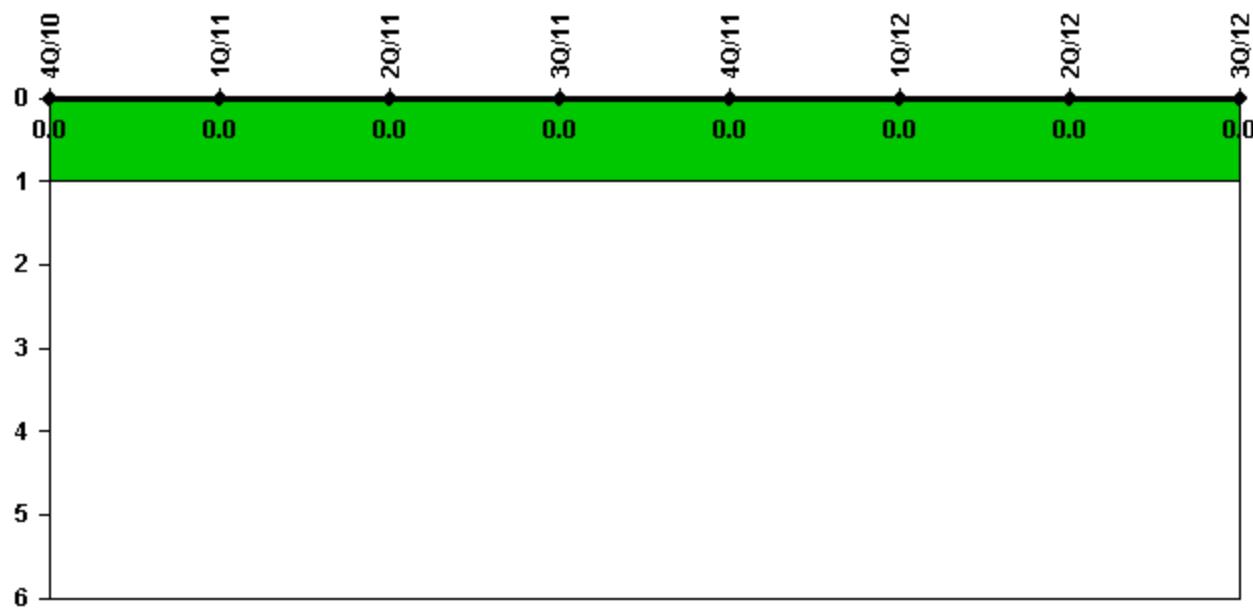
Thresholds: White > 6.0

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	1.0	2.0	0	0	0	0	0
Critical hours	2209.0	2118.4	1136.4	2208.0	2209.0	2183.0	2184.0	2208.0
Indicator value	0.8	0.8	2.8	2.7	2.7	1.8	0	0

Licensee Comments: none

Unplanned Scrams with Complications



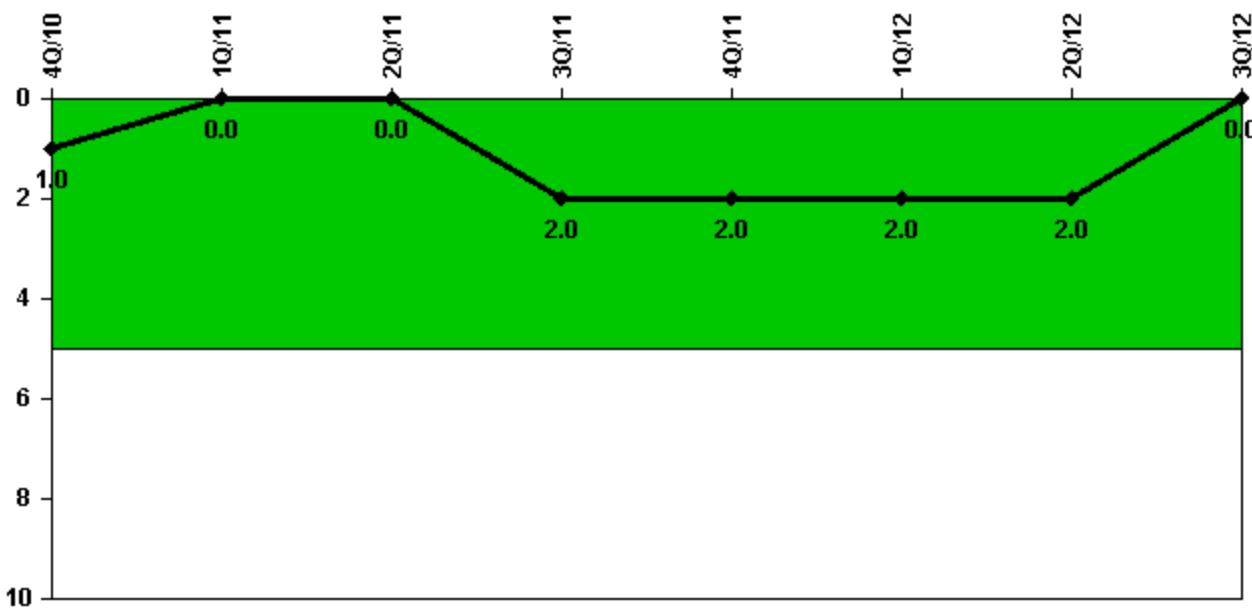
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

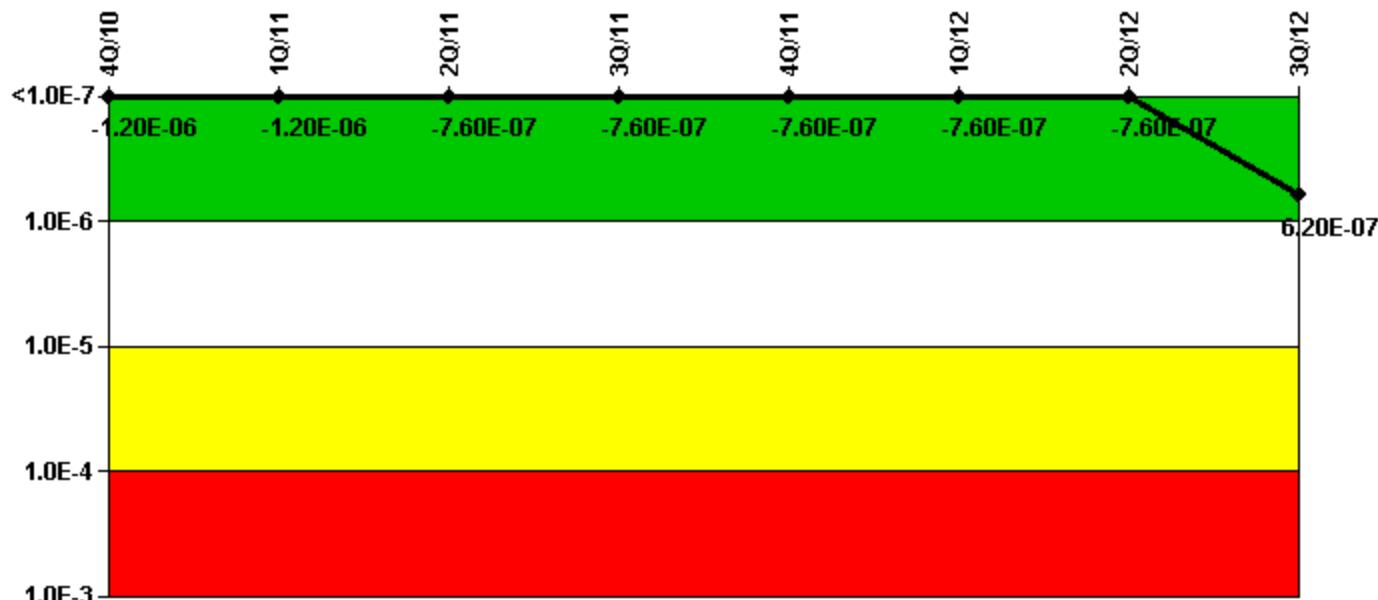
Notes

Safety System Functional Failures (PWR)	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Safety System Functional Failures	0	0	0	2	0	0	0	0
Indicator value	1	0	0	2	2	2	2	0

Licensee Comments:

3Q/11: LER-2011-001 - Failure to maintain one train of safe shutdown systems in accordance with Appendix R Section III.G.a/III.G.3
 Section III.G.a/III.G.3 LER-2011-002 - Failure to maintain one train of safe shutdown systems in accordance with Appendix R Section III.G.a/III.G.3

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 (Δ CDF)	-1.33E-07	-1.33E-07	-9.69E-08	-9.69E-08	-9.69E-08	-9.69E-08	-9.69E-08	1.67E-07
URI (Δ CDF)	-1.11E-06	-1.11E-06	-6.60E-07	-6.60E-07	-6.60E-07	-6.60E-07	-6.60E-07	4.54E-07
PLE	NO	NO						
Indicator value	-1.20E-06	-1.20E-06	-7.60E-07	-7.60E-07	-7.60E-07	-7.60E-07	-7.60E-07	6.20E-07

Licensee Comments:

3Q/12: Risk Cap Invoked. 8/24/2012 - "A" DG Start/Demand Failure due to "A" DG exciter failed to flash. 63.1 hours of unplanned unavailability were accrued. CR-12-03599 9/19/2012 - "A" DG Start/Demand Failure due to "A" DG exciter failed to flash. 111.3 hours of unplanned unavailability were accrued. CR-12-03998 Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked.

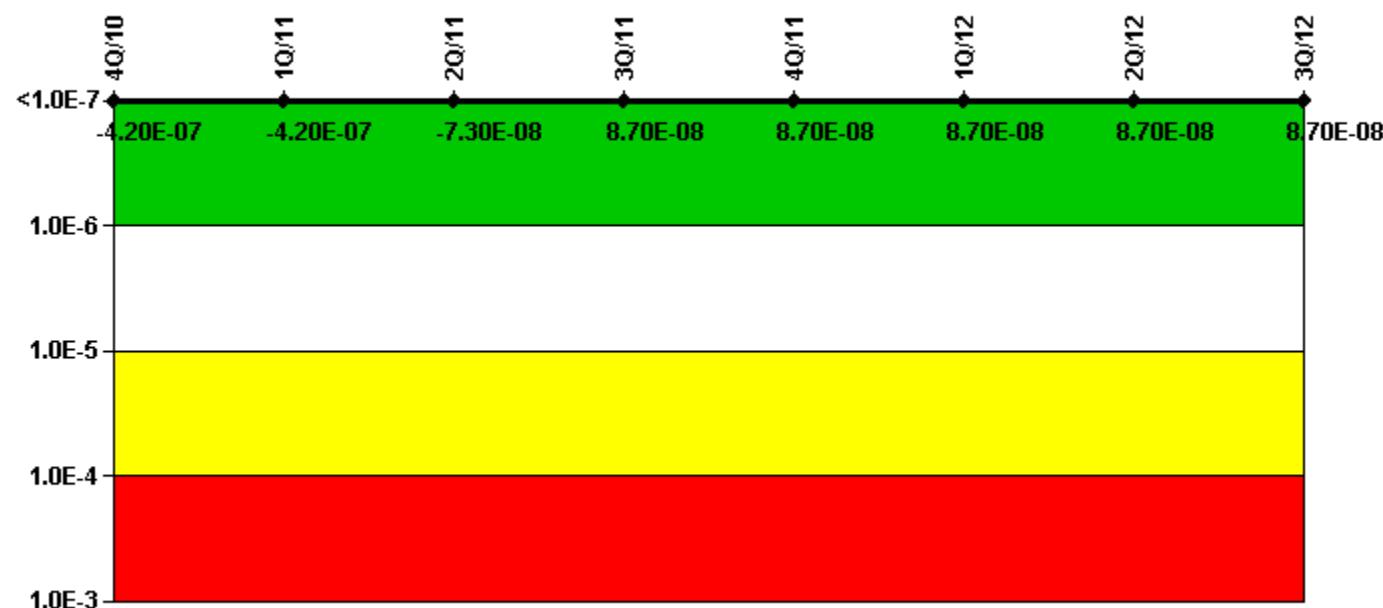
3Q/11: Risk Cap Invoked.

2Q/11: Risk Cap Invoked.

1Q/11: Risk Cap Invoked. Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve.

4Q/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/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	-1.66E-07	-1.66E-07	-7.36E-09	-7.06E-09	-7.06E-09	-7.06E-09	-7.06E-09	-7.06E-09
URI (Δ CDF)	-2.55E-07	-2.55E-07	-6.60E-08	9.43E-08	9.43E-08	9.43E-08	9.43E-08	9.43E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-07	-4.20E-07	-7.30E-08	8.70E-08	8.70E-08	8.70E-08	8.70E-08	8.70E-08

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal

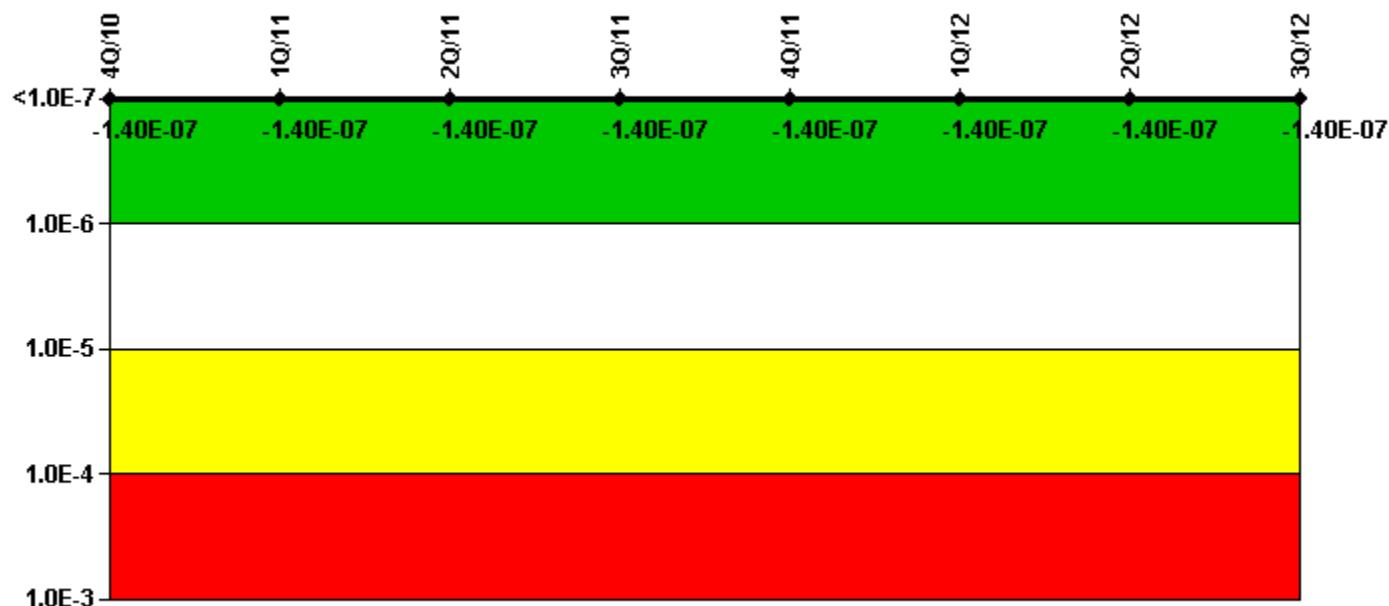
Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

3Q/11: On 9/27/2011 "C" HPSI Pump failed to start on "A" train HPSI with the "A" HPSI Pump breaker racked out-of-service. This resulted in a Start/Demand failure and 1.2 hours of unplanned unavailability for the "A" Train HPSI. The apparent cause of the failure of the "C" Charging Pump breaker to close is a poorly designed and/or installed modification of the breaker pad lock bracket along with post modification testing failing to identify the design/installation deficiencies. This modification defeated the original design feature of the pad lock bracket that maintained a comfortable gap between the racking handle left side support arm and the pad lock bracket to ensure no potential for binding of the racking handle. With this gap eliminated, the racking handle was not able to return to the fully disengaged position under the force of its retracting spring as it is designed to do.

3Q/11: On 9/27/2011 "C" HPSI Pump breaker was improperly racked in on "A" train HPSI and the "A" HPSI Pump breaker was racked out-of-service. The "C" HPSI Pump breaker condition was not discovered until the pump failed to start during a test start. This event resulted in a Start/Demand failure and 1.2 hours of unplanned unavailability.

1Q/11: Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve.

Mitigating Systems Performance Index, Heat Removal System



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

Notes

Mitigating Systems Performance Index, Heat

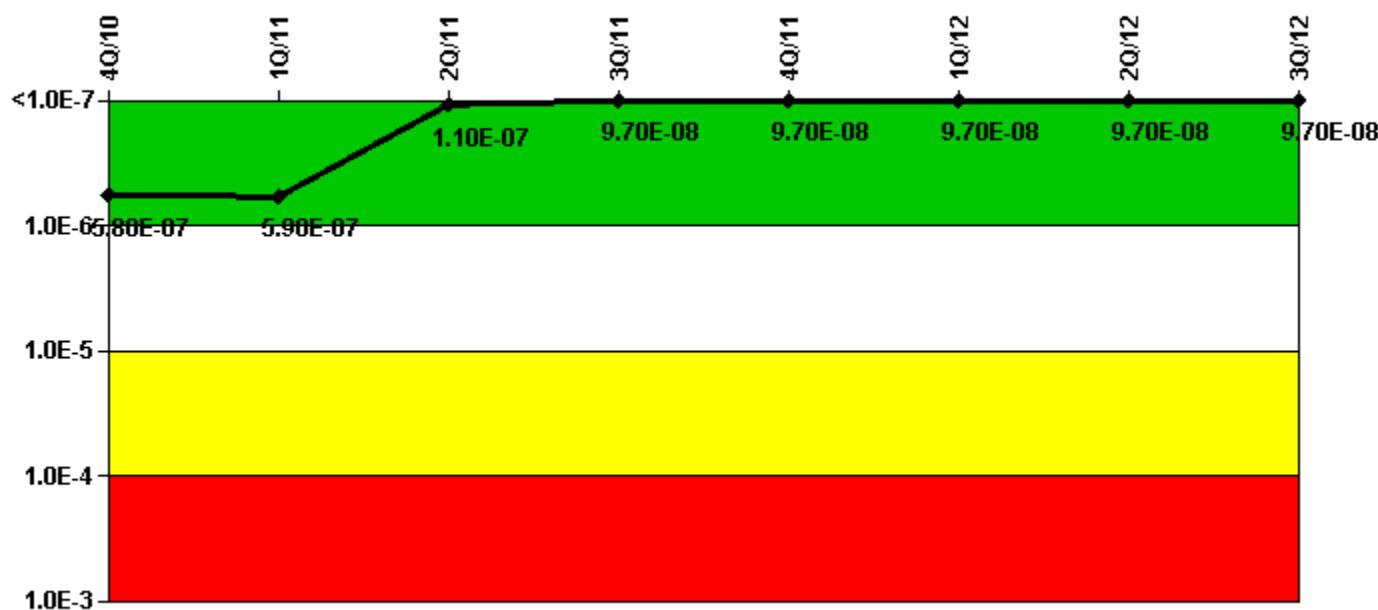
Removal System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	-2.52E-08	-2.52E-08	-2.05E-08	-2.07E-08	-2.11E-08	-2.11E-08	-2.11E-08	-1.97E-08
URI (Δ CDF)	-1.18E-07	-1.18E-07	-1.17E-07	-1.17E-07	-1.17E-07	-1.17E-07	-1.17E-07	-1.17E-07
PLE	NO							
Indicator value	-1.40E-07							

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

1Q/11: Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve.

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
				-4.48E-	-4.48E-	-4.49E-	-4.49E-	-4.49E-

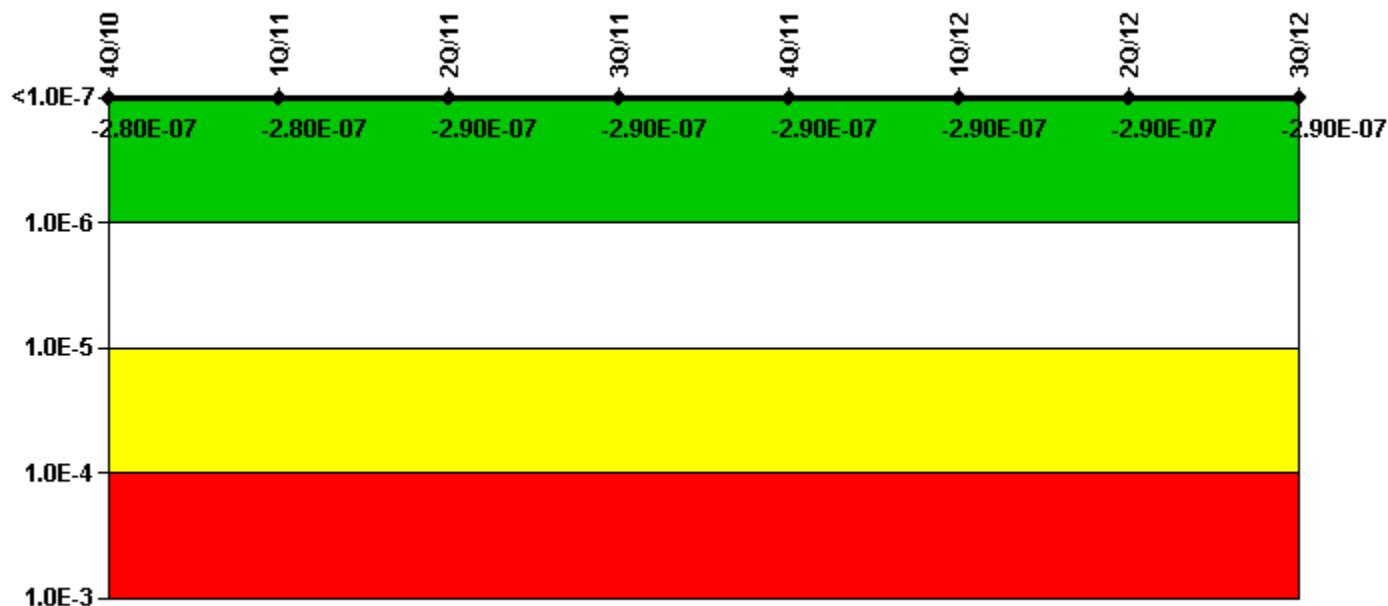
UAI (Δ CDF)	1.13E-09	1.02E-08	4.01E-09	09	09	09	09	09
URI (Δ CDF)	5.76E-07	5.76E-07	1.01E-07	1.01E-07	1.01E-07	1.01E-07	1.01E-07	1.01E-07
PLE	NO							
Indicator value	5.80E-07	5.90E-07	1.10E-07	9.70E-08	9.70E-08	9.70E-08	9.70E-08	9.70E-08

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

1Q/11: Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

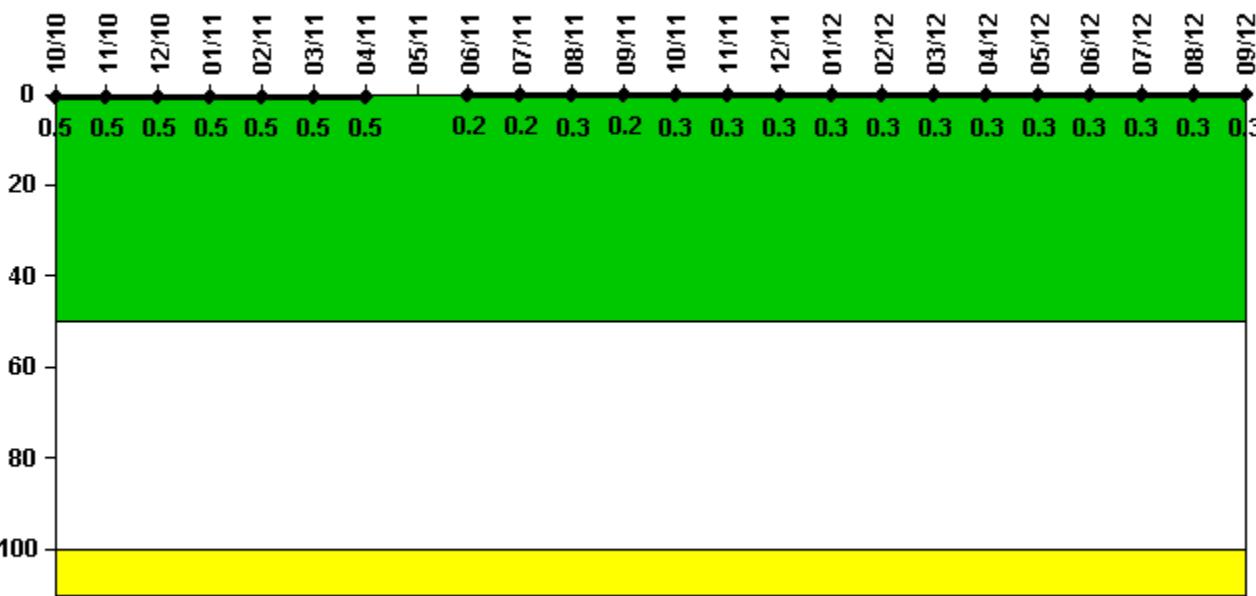
Mitigating Systems Performance Index, Cooling Water Systems	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	-3.00E-08	-3.00E-08	-2.78E-08	-2.78E-08	-2.78E-08	-2.78E-08	-2.78E-08	-2.78E-08

URI (Δ CDF)	-2.49E-07	-2.49E-07	-2.58E-07	-2.58E-07	-2.58E-07	-2.58E-07	-2.58E-07	-2.58E-07
PLE	NO							
Indicator value	-2.80E-07	-2.80E-07	-2.90E-07	-2.90E-07	-2.90E-07	-2.90E-07	-2.90E-07	-2.90E-07

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

1Q/11: Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

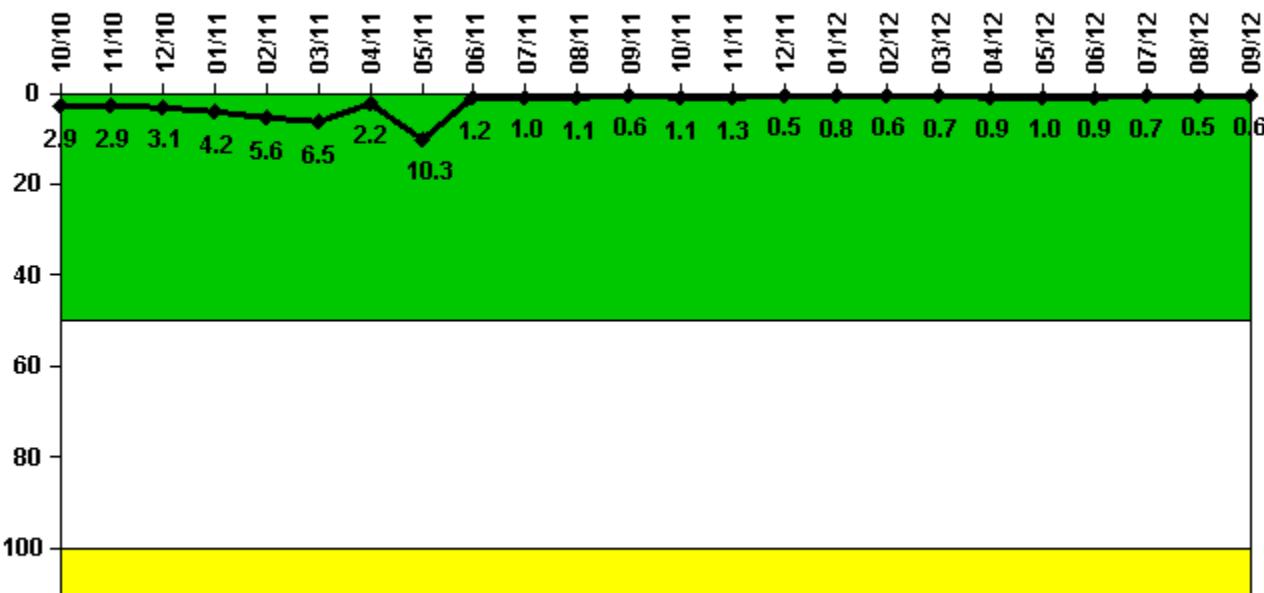
Notes

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	0.000270	0.000271	0.000291	0.000300	0.000322	0.000309	0.000313	N/A	0.000135	0.000139	0.000149	0.000147
Technical												

specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.5	0.5	0.5	0.5	0.5	0.5	0.5	N/A	0.2	0.2	0.3	0.2		
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	0.000155	0.000164	0.000161	0.000170	0.000170	0.000175	0.000171	0.000173	0.000179	0.000183	0.000185	0.000190		
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

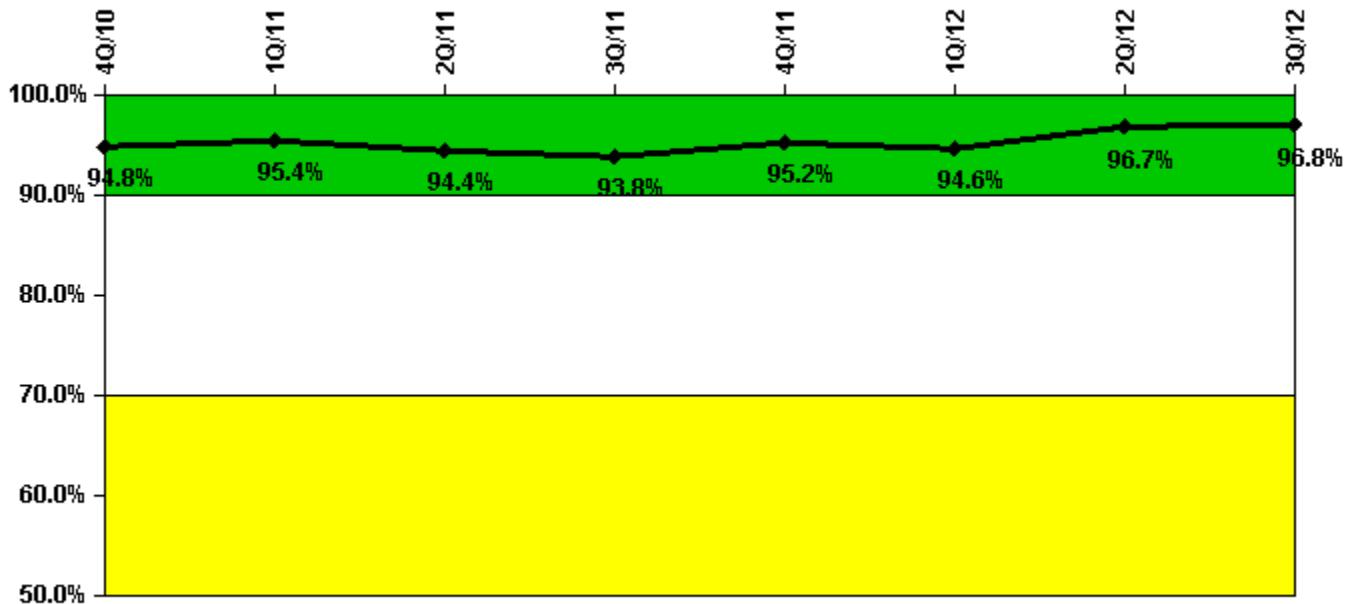
Notes

Reactor Coolant System Leakage	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	0.290	0.290	0.310	0.420	0.560	0.650	0.220	1.030	0.120	0.100	0.110	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

Indicator value	2.9	2.9	3.1	4.2	5.6	6.5	2.2	10.3	1.2	1.0	1.1	0.6
Reactor Coolant System Leakage	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum leakage	0.110	0.130	0.050	0.080	0.060	0.070	0.090	0.100	0.090	0.070	0.050	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.1	1.3	0.5	0.8	0.6	0.7	0.9	1.0	0.9	0.7	0.5	0.6

Licensee Comments: none

Drill/Exercise Performance



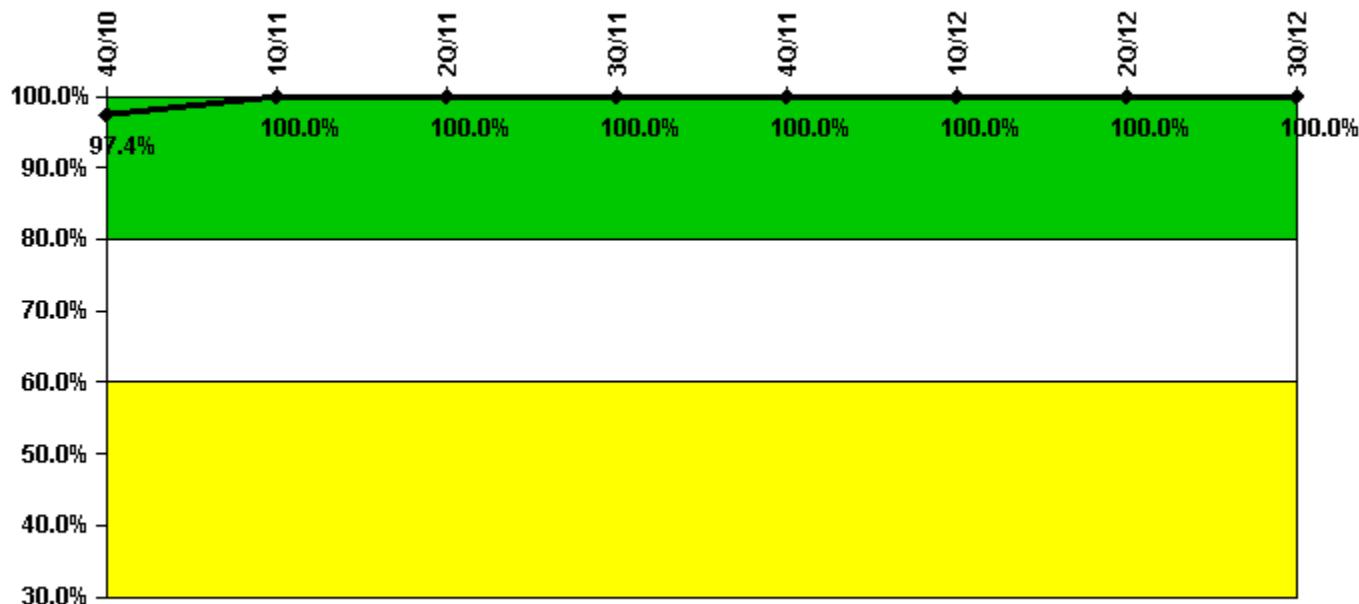
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful opportunities	23.0	10.0	15.0	30.0	46.0	52.0	56.0	43.0
Total opportunities	24.0	10.0	16.0	32.0	46.0	56.0	56.0	44.0
Indicator value	94.8%	95.4%	94.4%	93.8%	95.2%	94.6%	96.7%	96.8%

Licensee Comments: none

ERO Drill Participation



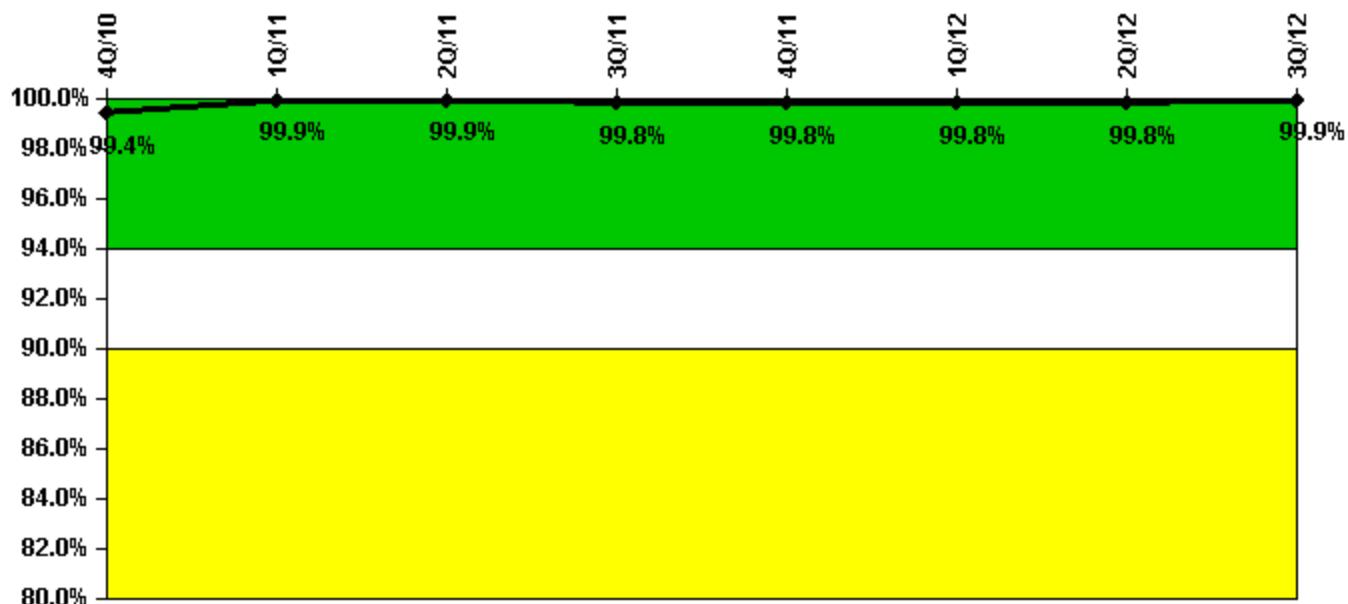
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Participating Key personnel	76.0	78.0	75.0	77.0	79.0	80.0	75.0	74.0
Total Key personnel	78.0	78.0	75.0	77.0	79.0	80.0	75.0	74.0
Indicator value	97.4%	100.0%						

Licensee Comments: none

Alert & Notification System



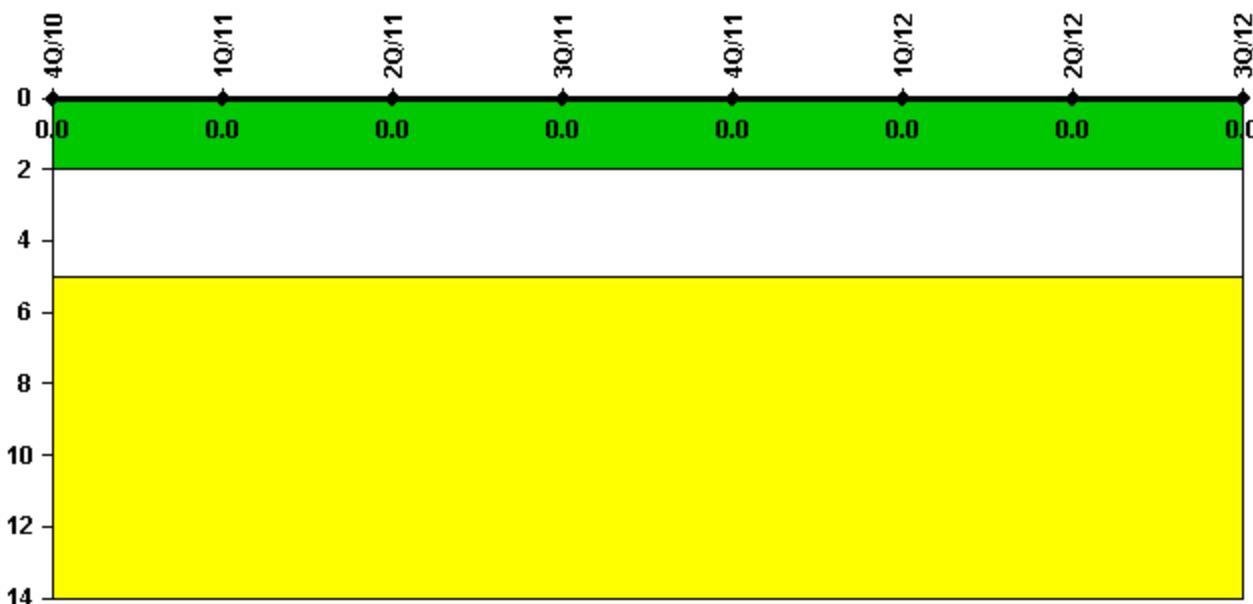
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful siren-tests	636	847	741	844	742	846	742	847
Total sirens-tests	636	848	742	848	742	848	742	848
Indicator value	99.4%	99.9%	99.9%	99.8%	99.8%	99.8%	99.8%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness

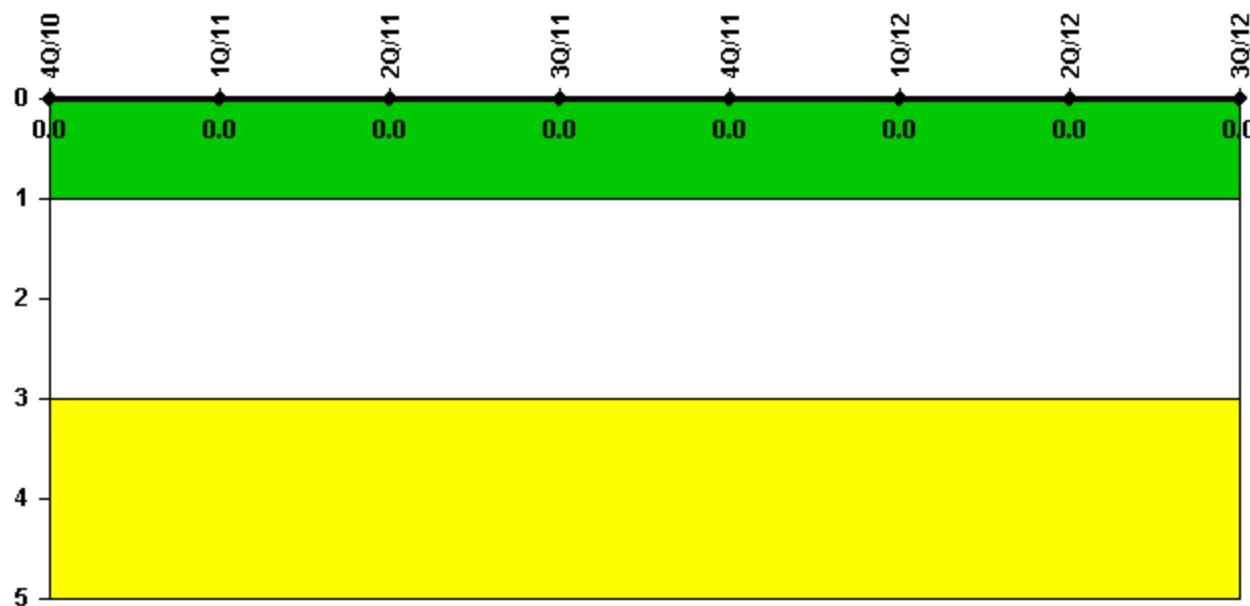


Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

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							

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.

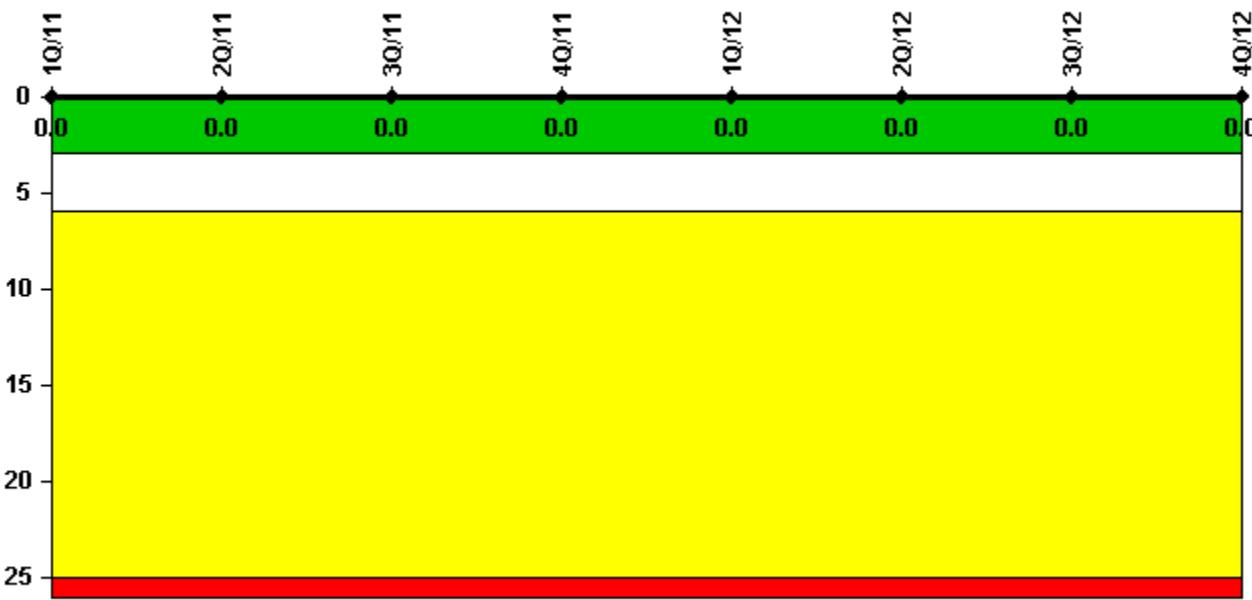


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: October 24, 2012

Summer**4Q/2012 Performance Indicators**

Licensee's General Comments: none

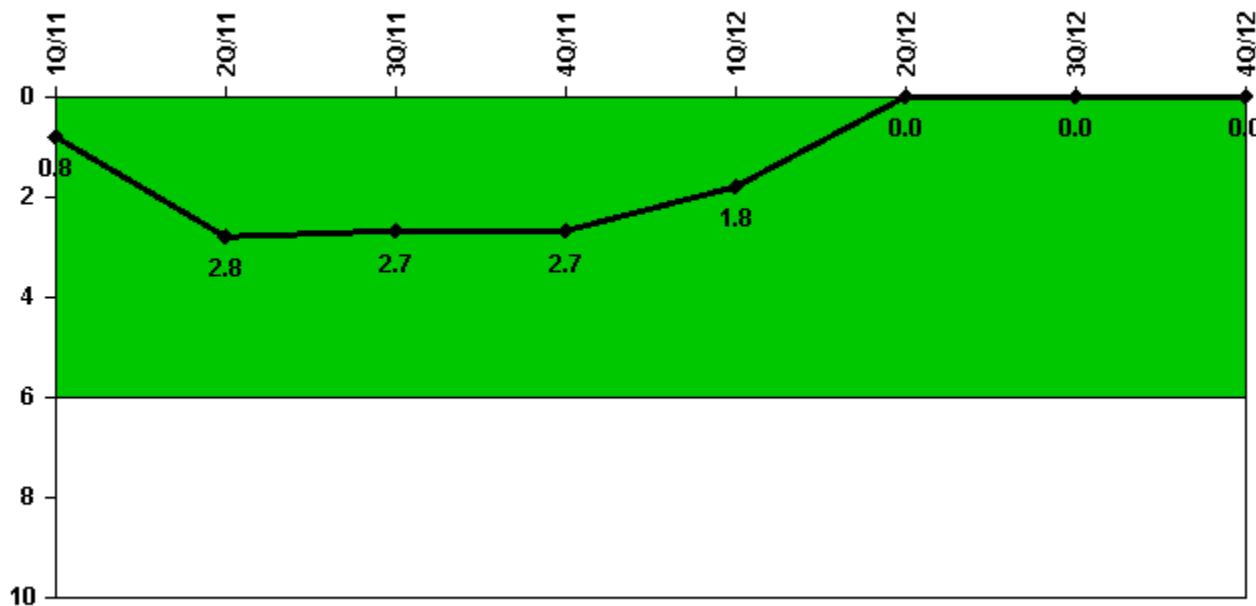
Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2118.4	1136.4	2208.0	2209.0	2183.0	2184.0	2208.0	915.7
Indicator value	0							

Licensee Comments: none

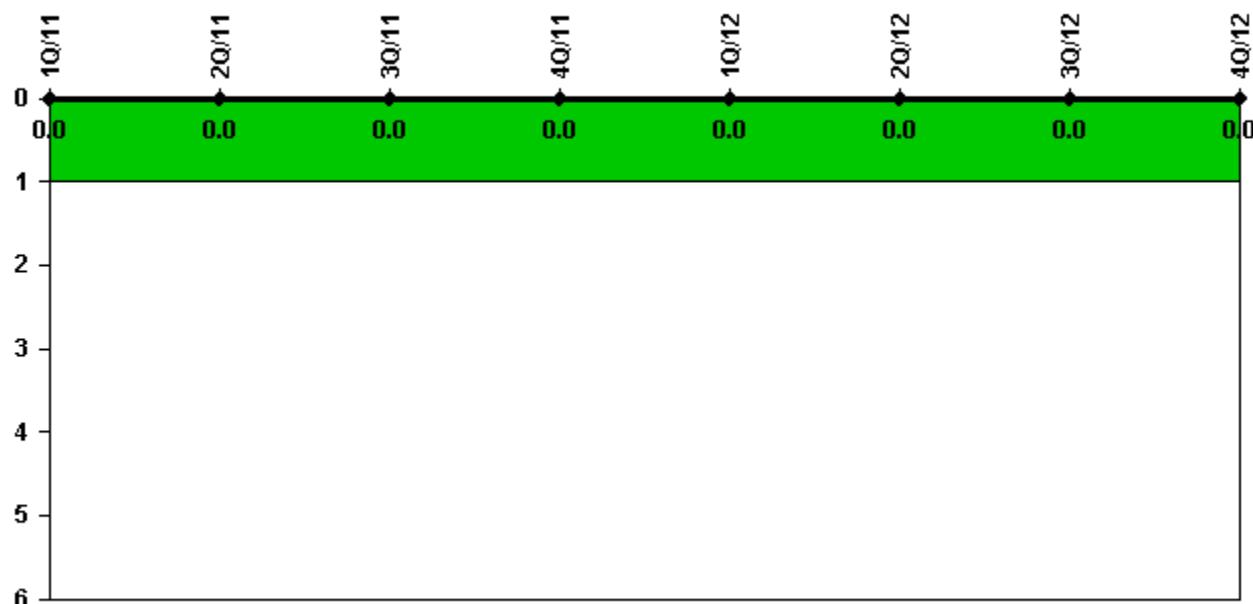
Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned power changes	1.0	2.0	0	0	0	0	0	0
Critical hours	2118.4	1136.4	2208.0	2209.0	2183.0	2184.0	2208.0	915.7
Indicator value	0.8	2.8	2.7	2.7	1.8	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications

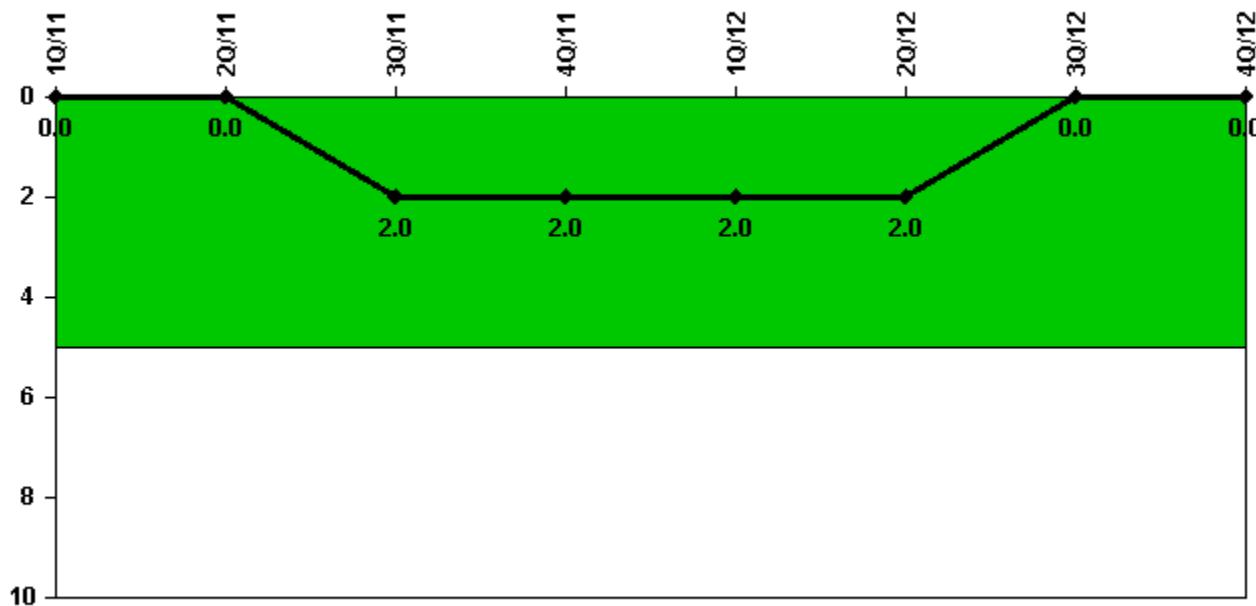
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



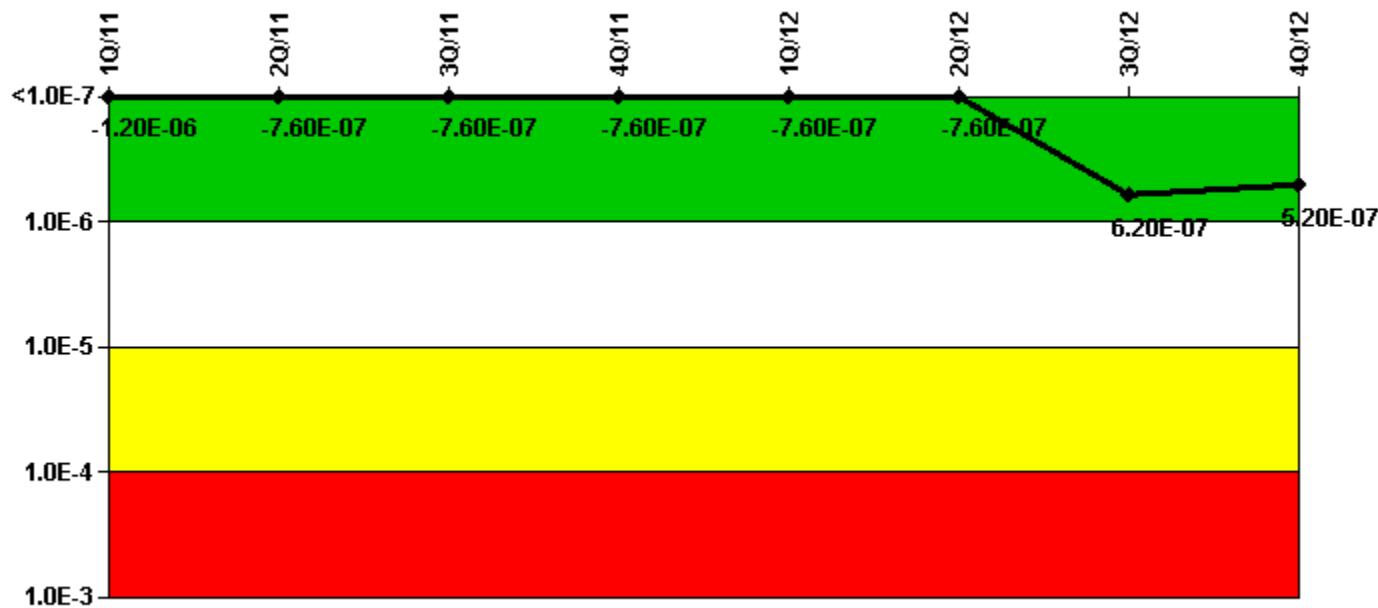
Thresholds: White > 5.0

Notes

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

Licensee Comments:

3Q/11: LER-2011-001 - Failure to maintain one train of safe shutdown systems in accordance with Appendix R Section III.G.a/III.G.3
 LER-2011-002 - Failure to maintain one train of safe shutdown systems in accordance with Appendix R Section III.G.a/III.G.3

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 (Δ CDF)	-1.33E-07	-9.69E-08	-9.69E-08	-9.69E-08	-9.69E-08	-9.69E-08	1.67E-07	2.75E-08
URI (Δ CDF)	-1.11E-06	-6.60E-07	-6.60E-07	-6.60E-07	-6.60E-07	-6.60E-07	4.54E-07	4.91E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.20E-06	-7.60E-07	-7.60E-07	-7.60E-07	-7.60E-07	-7.60E-07	6.20E-07	5.20E-07

Licensee Comments:

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked. 8/24/2012 - "A" DG Start/Demand Failure due to "A" DG exciter failed to flash. 63.1 hours of unplanned unavailability were accrued. CR-12-03599 9/19/2012 - "A" DG Start/Demand Failure due to "A" DG exciter failed to flash. 111.3 hours of unplanned unavailability were accrued. CR-12-03998 Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

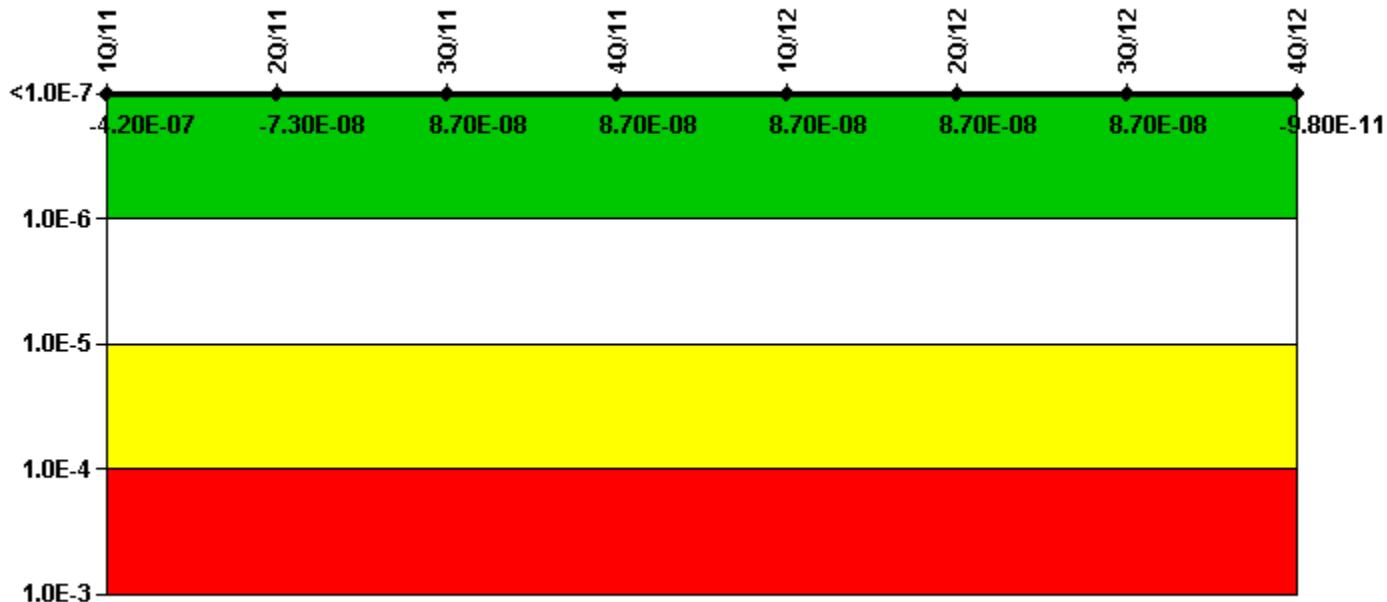
4Q/11: Risk Cap Invoked.

3Q/11: Risk Cap Invoked.

2Q/11: Risk Cap Invoked.

1Q/11: Risk Cap Invoked. Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of

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 (Δ CDF)	-1.66E-07	-7.36E-09	-7.06E-09	-7.06E-09	-7.06E-09	-7.06E-09	-7.06E-09	-2.14E-09
URI (Δ CDF)	-2.55E-07	-6.60E-08	9.43E-08	9.43E-08	9.43E-08	9.43E-08	9.43E-08	2.04E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.20E-07	-7.30E-08	8.70E-08	8.70E-08	8.70E-08	8.70E-08	8.70E-08	-9.80E-11

Licensee Comments:

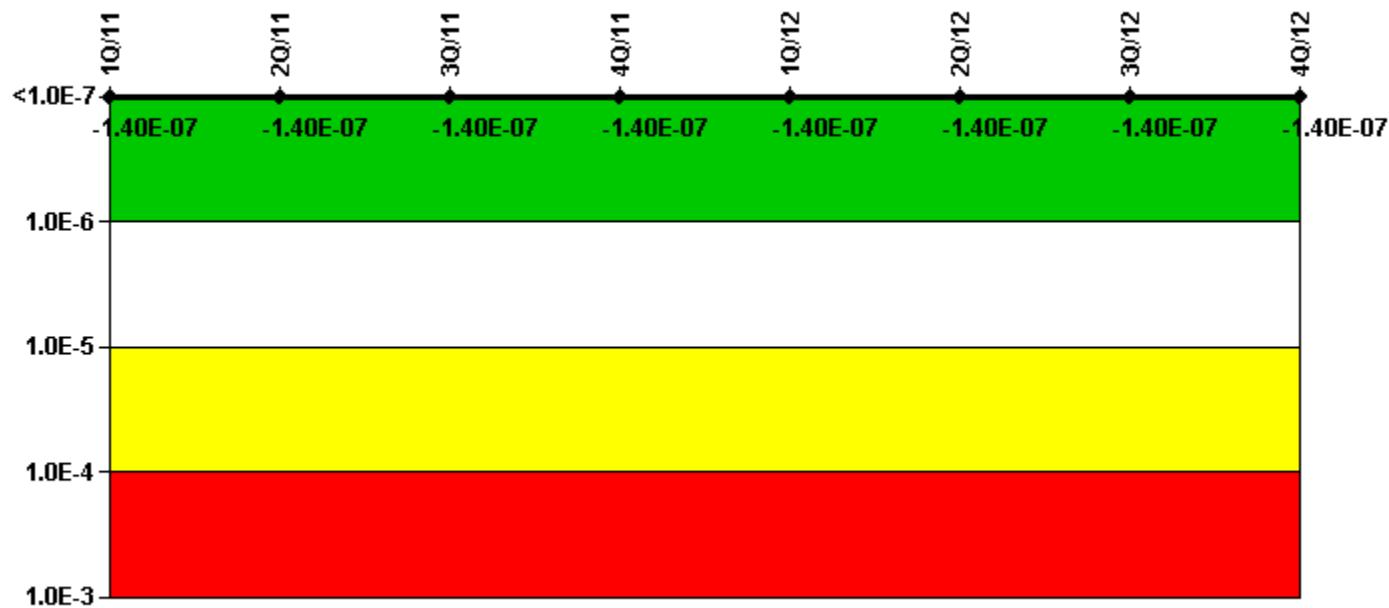
3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

3Q/11: On 9/27/2011 "C" HPSI Pump failed to start on "A" train HPSI with the "A" HPSI Pump breaker racked out-of-service. This resulted in a Start/Demand failure and 1.2 hours of unplanned unavailability for the "A" Train HPSI. The apparent cause of the failure of the "Charging Pump breaker to close is a poorly designed and/or installed modification of the breaker pad lock bracket along with post modification testing failing to identify the design/installation deficiencies. This modification defeated the original design feature of the pad lock bracket that maintained a comfortable gap between the racking handle left side support arm and the pad lock bracket to ensure no potential for binding of the racking handle. With this gap eliminated, the racking handle was not able to return to the fully disengaged position under the force of its retracting spring as it is designed to do.

3Q/11: On 9/27/2011 "C" HPSI Pump breaker was improperly racked in on "A" train HPSI and the "A" HPSI Pump breaker was racked out-of-service. The "C" HPSI Pump breaker condition was not discovered until the pump failed to start during a test start. This event resulted in a Start/Demand failure and 1.2 hours of unplanned unavailability.

1Q/11: Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve.

Mitigating Systems Performance Index, Heat Removal System



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

Notes

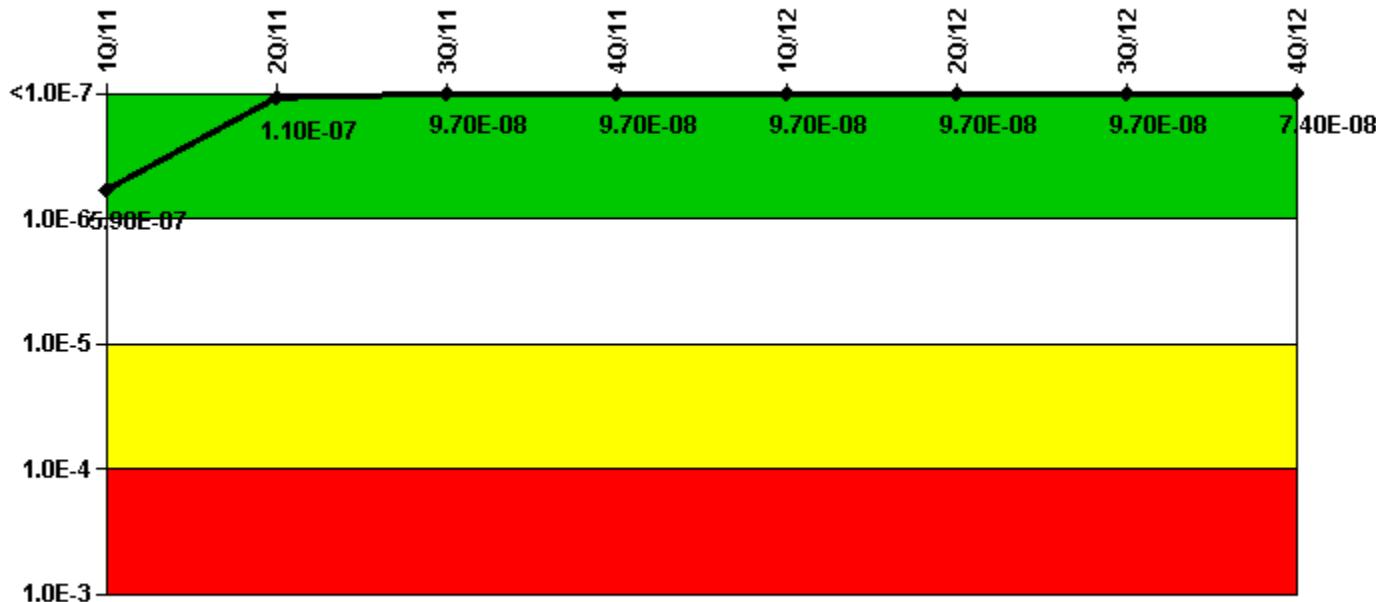
Mitigating Systems Performance Index, Heat Removal System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (Δ CDF)	-2.52E-08	-2.05E-08	-2.07E-08	-2.11E-08	-2.11E-08	-2.11E-08	-1.97E-08	-2.03E-08
URI (Δ CDF)	-1.18E-07	-1.17E-07	-1.17E-07	-1.17E-07	-1.17E-07	-1.17E-07	-1.17E-07	-1.23E-07
PLE	NO							
Indicator value	-1.40E-07							

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

1Q/11: Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve.

Mitigating Systems Performance Index, Residual Heat Removal System



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

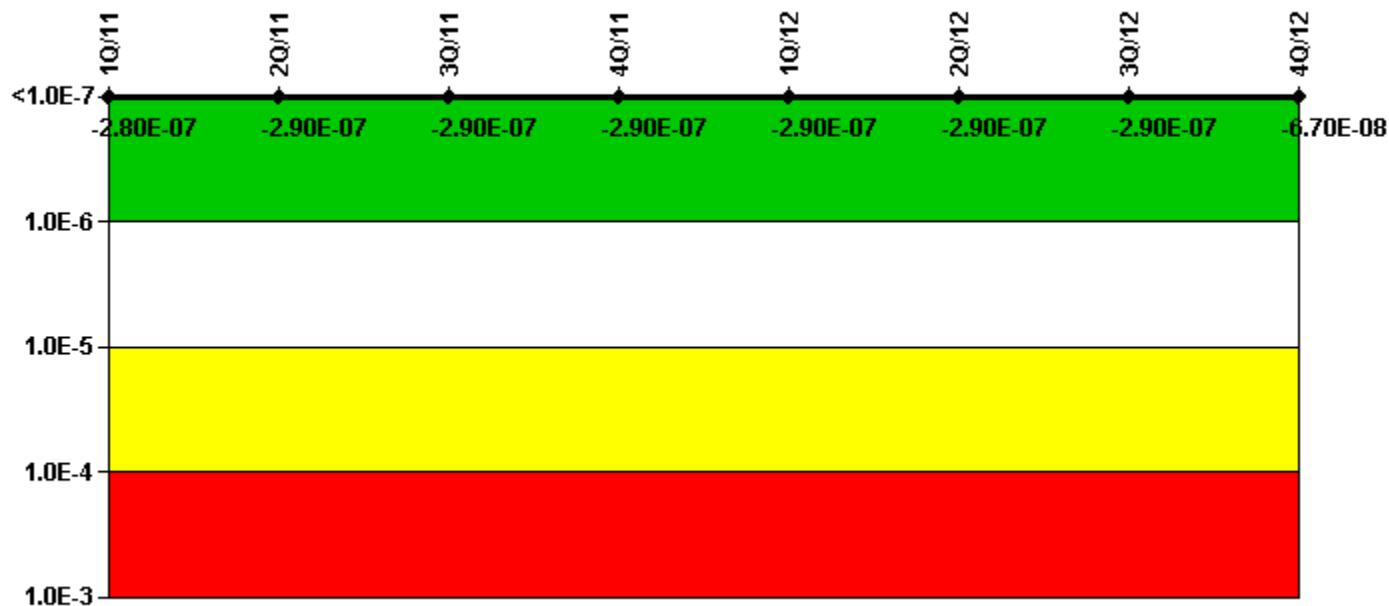
Notes

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 (Δ CDF)	1.02E-08	4.01E-09	-4.48E-09	-4.48E-09	-4.49E-09	-4.49E-09	-4.49E-09	-3.00E-09
URI (Δ CDF)	5.76E-07	1.01E-07	1.01E-07	1.01E-07	1.01E-07	1.01E-07	1.01E-07	7.68E-08
PLE	NO							
Indicator value	5.90E-07	1.10E-07	9.70E-08	9.70E-08	9.70E-08	9.70E-08	9.70E-08	7.40E-08

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

1Q/11: Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve

Mitigating Systems Performance Index, Cooling Water Systems

Thresholds: White > 1.00×10^{-6} Yellow > 1.00×10^{-5} Red > 1.00×10^{-4}

Notes

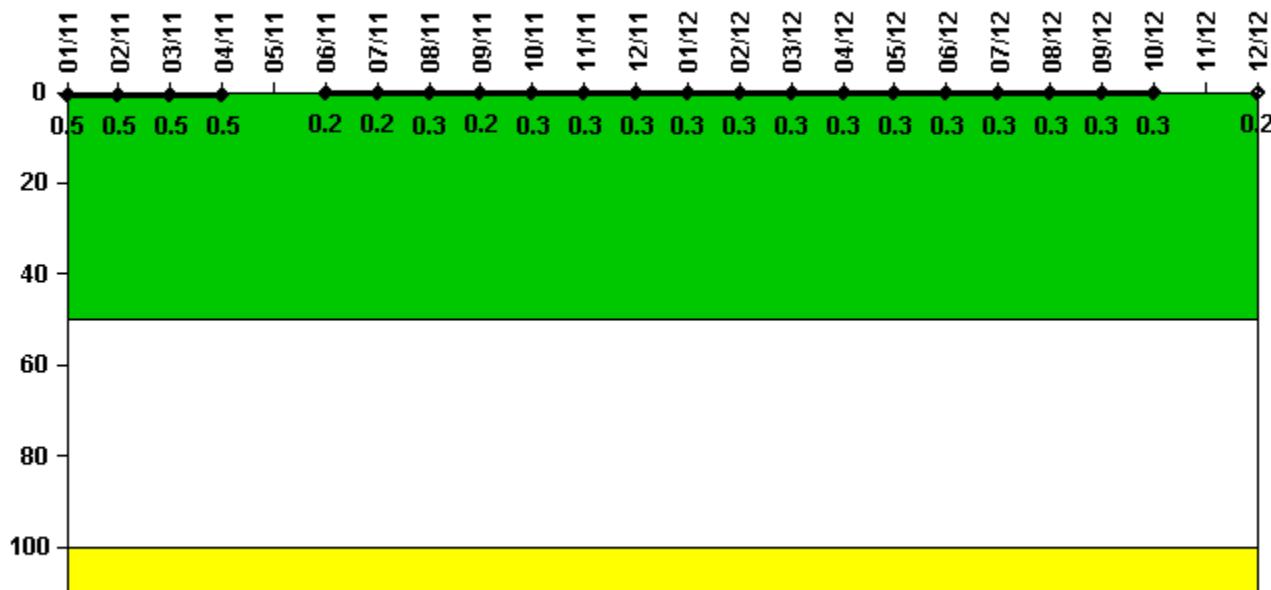
Mitigating Systems Performance Index, Cooling Water Systems	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (Δ CDF)	-3.00×10^{-8}	-2.78×10^{-8}	-8.34×10^{-9}					
URI (Δ CDF)	-2.49×10^{-7}	-2.58×10^{-7}	-5.85×10^{-8}					
PLE	NO							
Indicator value	-2.80×10^{-7}	-2.90×10^{-7}	-6.70×10^{-8}					

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

1Q/11: Changed PRA parameters, to take affect 4/1/2011, to credit the Alternate AC (AAC) power supply for restoring high pressure injection in time to mitigate an RCP seal LOCA brought on by a loss of offsite power and it updates the loss of offsite power initiating event frequency and recovery curve

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

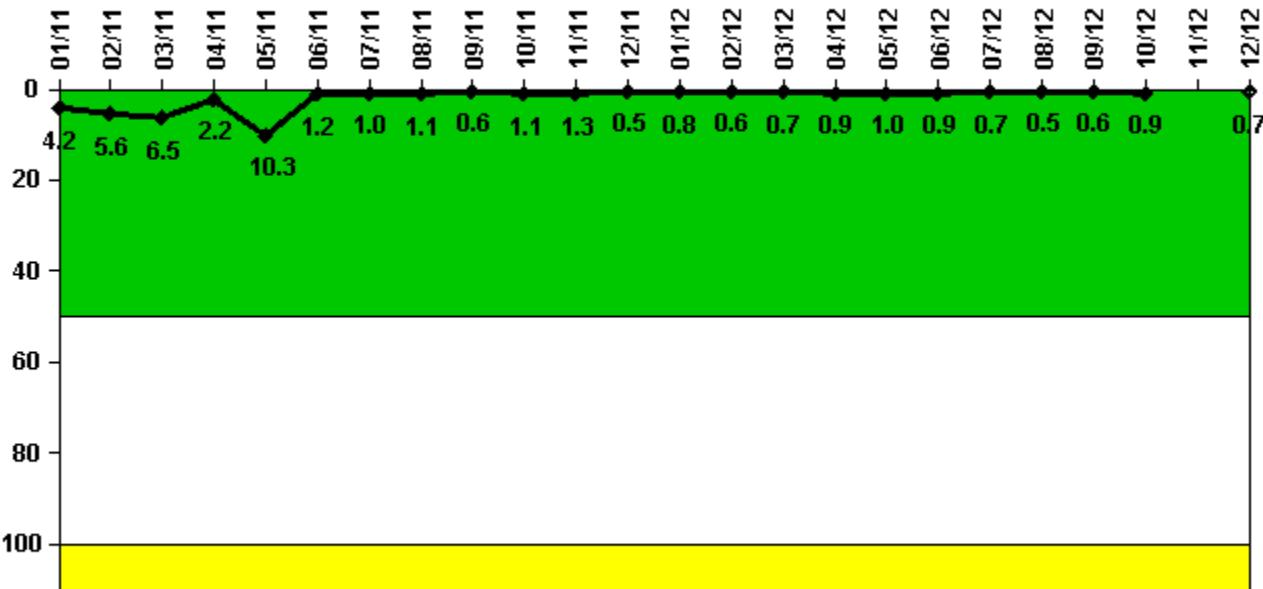
Notes

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	0.000300	0.000322	0.000309	0.000313	N/A	0.000135	0.000139	0.000149	0.000147	0.000155	0.000164	0.000161
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.5	0.5	0.5	0.5	N/A	0.2	0.2	0.3	0.2	0.3	0.3	0.3
Reactor Coolant System Activity	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum activity	0.000170	0.000170	0.000175	0.000171	0.000173	0.000179	0.000183	0.000185	0.000190	0.000199	N/A	0.000096
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.3	N/A	0.2									

Licensee Comments:

12/12: The plant was shutdown for a scheduled refueling outage for the entire month of November 2012.

Reactor Coolant System Leakage



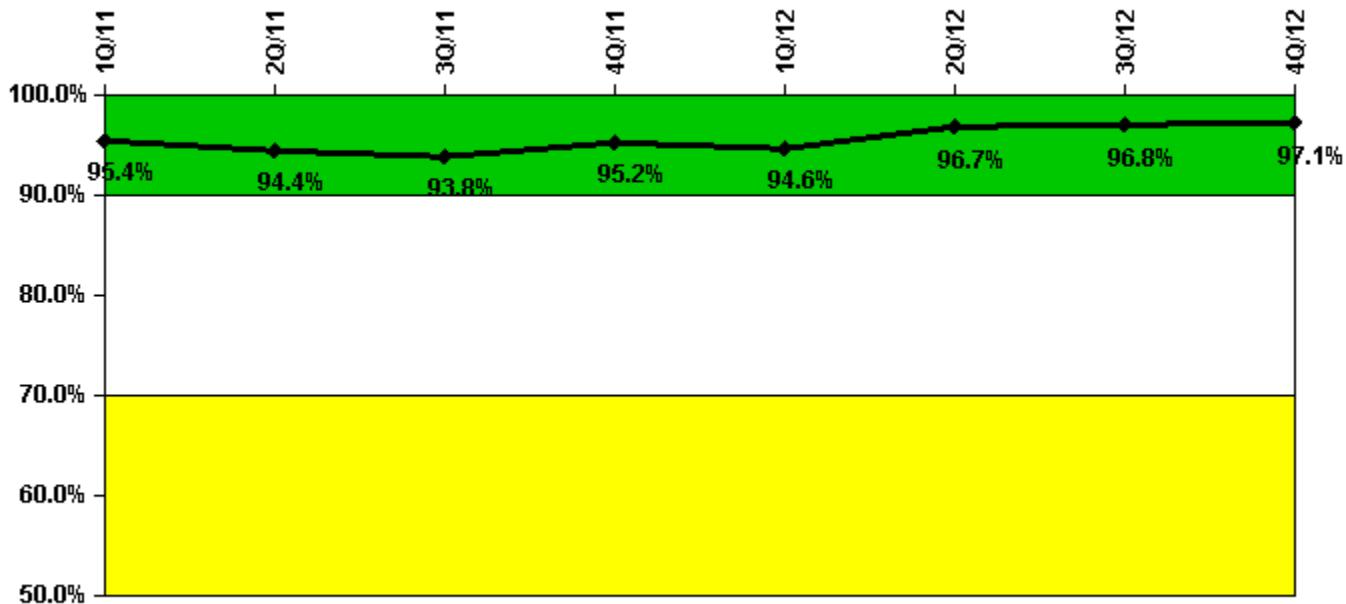
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum leakage	0.420	0.560	0.650	0.220	1.030	0.120	0.100	0.110	0.060	0.110	0.130	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	4.2	5.6	6.5	2.2	10.3	1.2	1.0	1.1	0.6	1.1	1.3	0.5
Reactor Coolant System Leakage	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum leakage	0.080	0.060	0.070	0.090	0.100	0.090	0.070	0.050	0.060	0.090	N/A	0.070
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.8	0.6	0.7	0.9	1.0	0.9	0.7	0.5	0.6	0.9	N/A	0.7

Licensee Comments:

12/12: The plant was shutdown for a scheduled refueling outage for the entire month of November 2012.

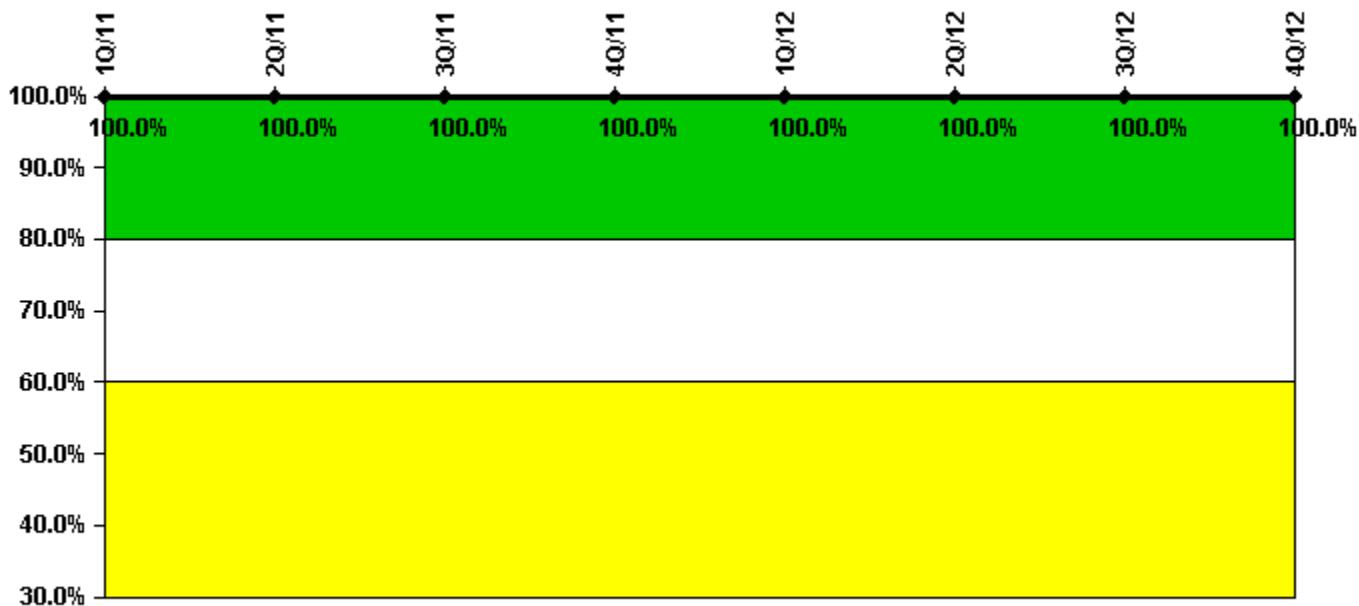
Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful opportunities	10.0	15.0	30.0	46.0	52.0	56.0	43.0	16.0
Total opportunities	10.0	16.0	32.0	46.0	56.0	56.0	44.0	16.0
Indicator value	95.4%	94.4%	93.8%	95.2%	94.6%	96.7%	96.8%	97.1%

Licensee Comments: none

ERO Drill Participation

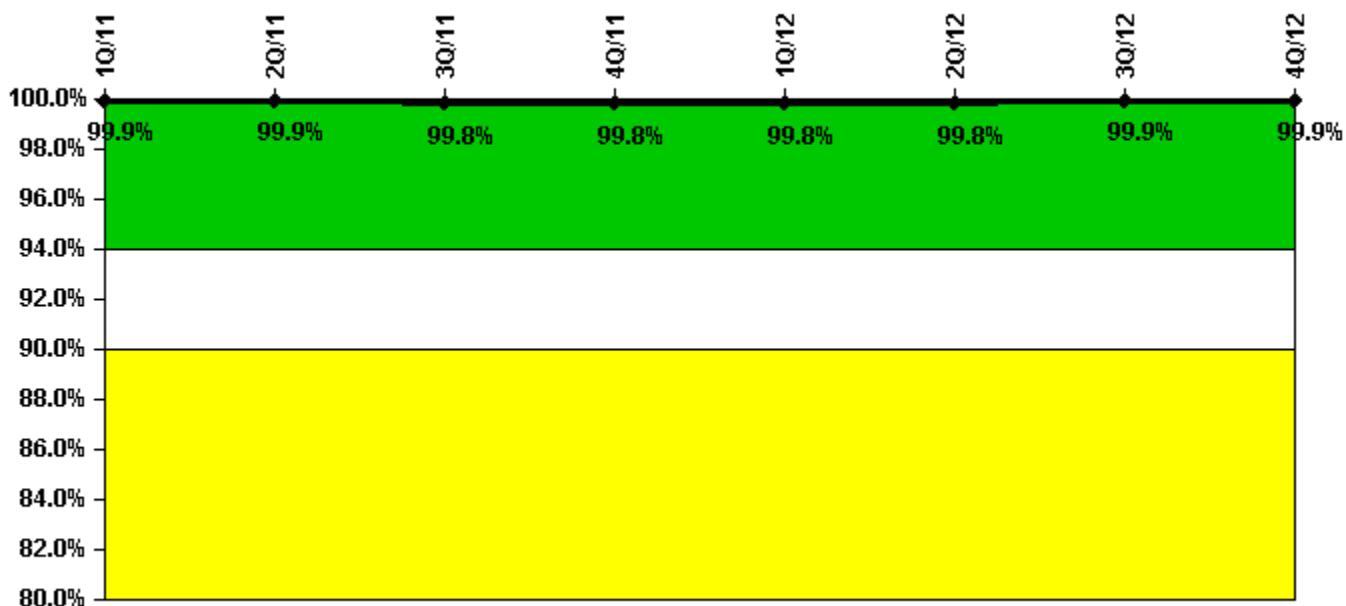
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Participating Key personnel	78.0	75.0	77.0	79.0	80.0	75.0	74.0	75.0
Total Key personnel	78.0	75.0	77.0	79.0	80.0	75.0	74.0	75.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



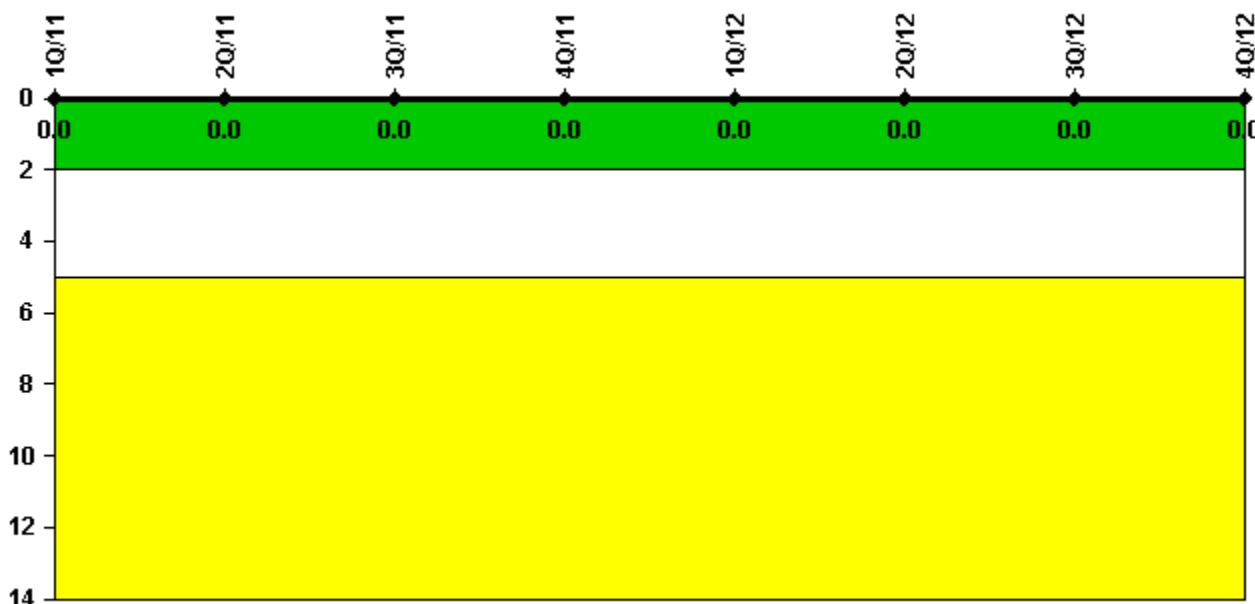
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful siren-tests	847	741	844	742	846	742	847	848
Total sirens-tests	848	742	848	742	848	742	848	848
Indicator value	99.9%	99.9%	99.8%	99.8%	99.8%	99.8%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness

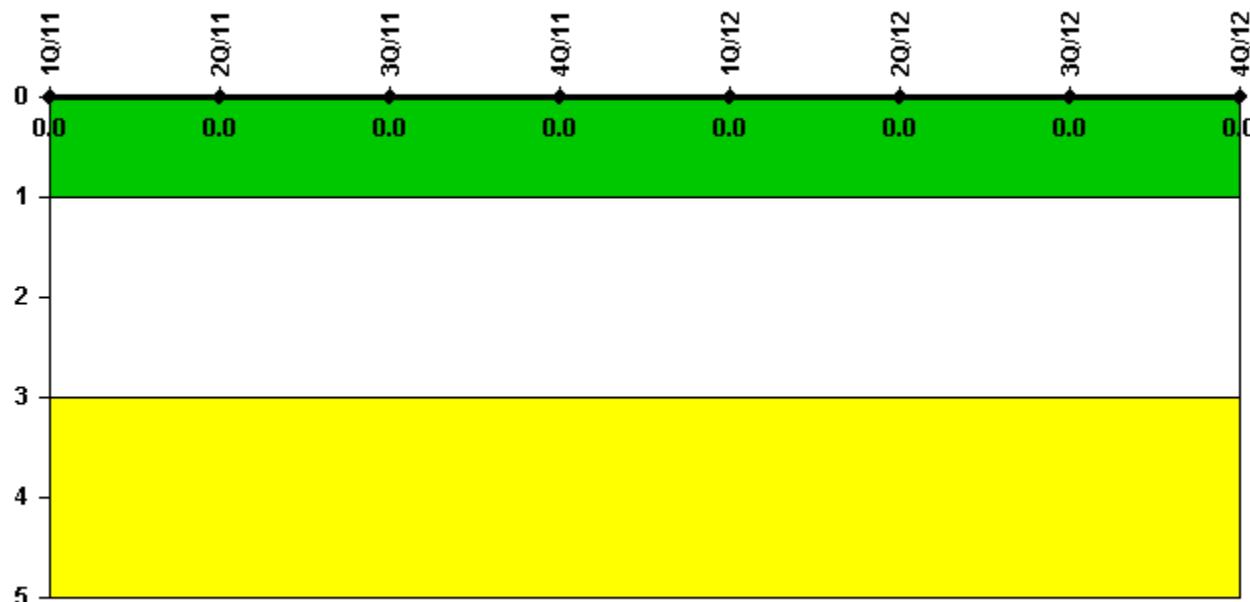


Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

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](#)

Summer

1Q/2013 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



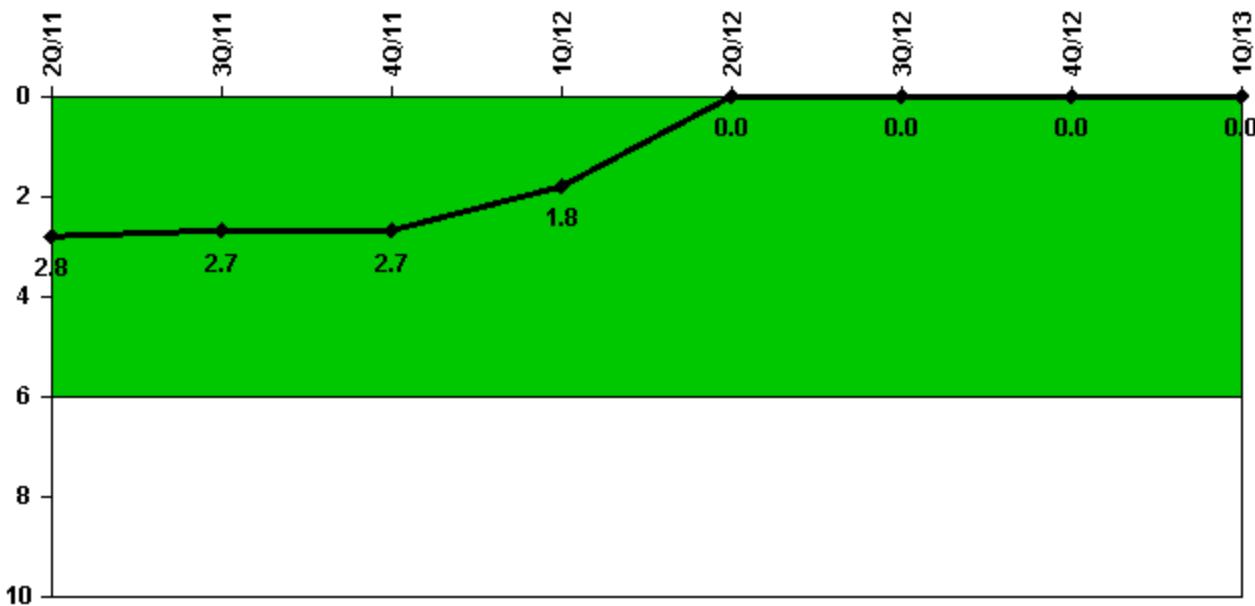
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	1136.4	2208.0	2209.0	2183.0	2184.0	2208.0	915.7	1944.9
Indicator value	0							

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



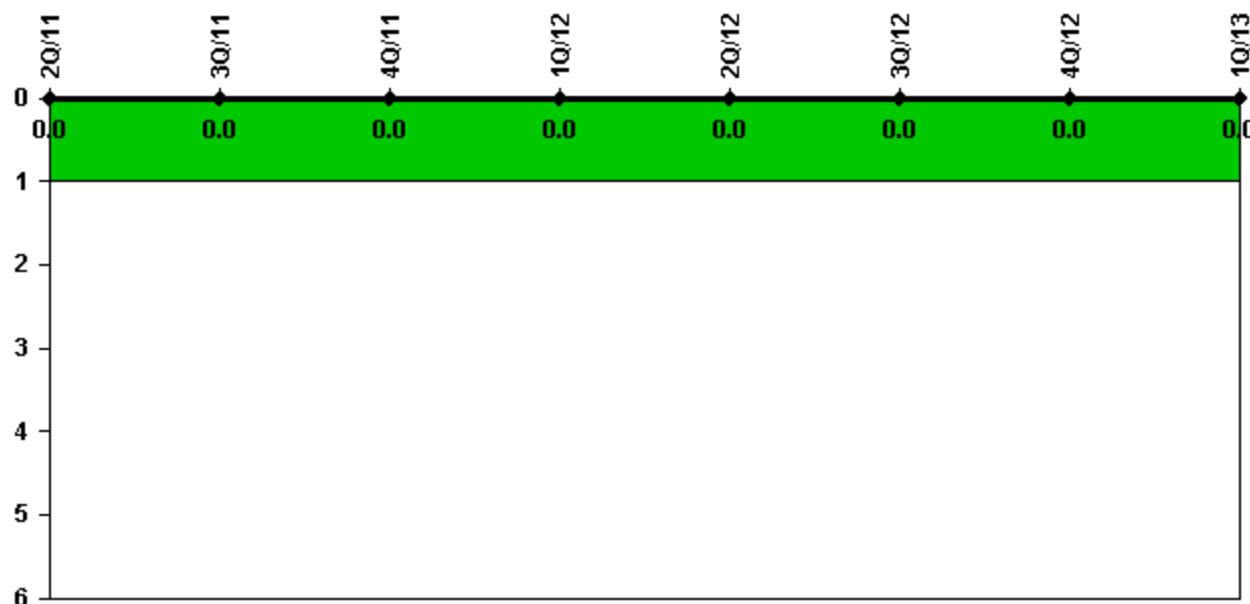
Thresholds: White > 6.0

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	2.0	0	0	0	0	0	0	0
Critical hours	1136.4	2208.0	2209.0	2183.0	2184.0	2208.0	915.7	1944.9
Indicator value	2.8	2.7	2.7	1.8	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



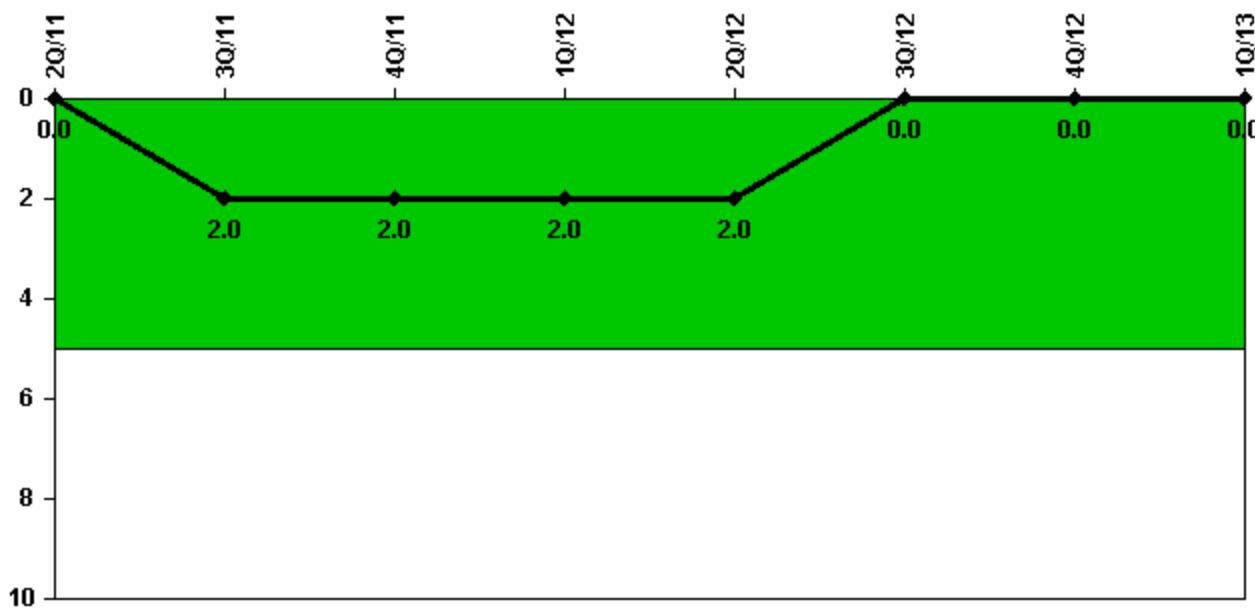
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

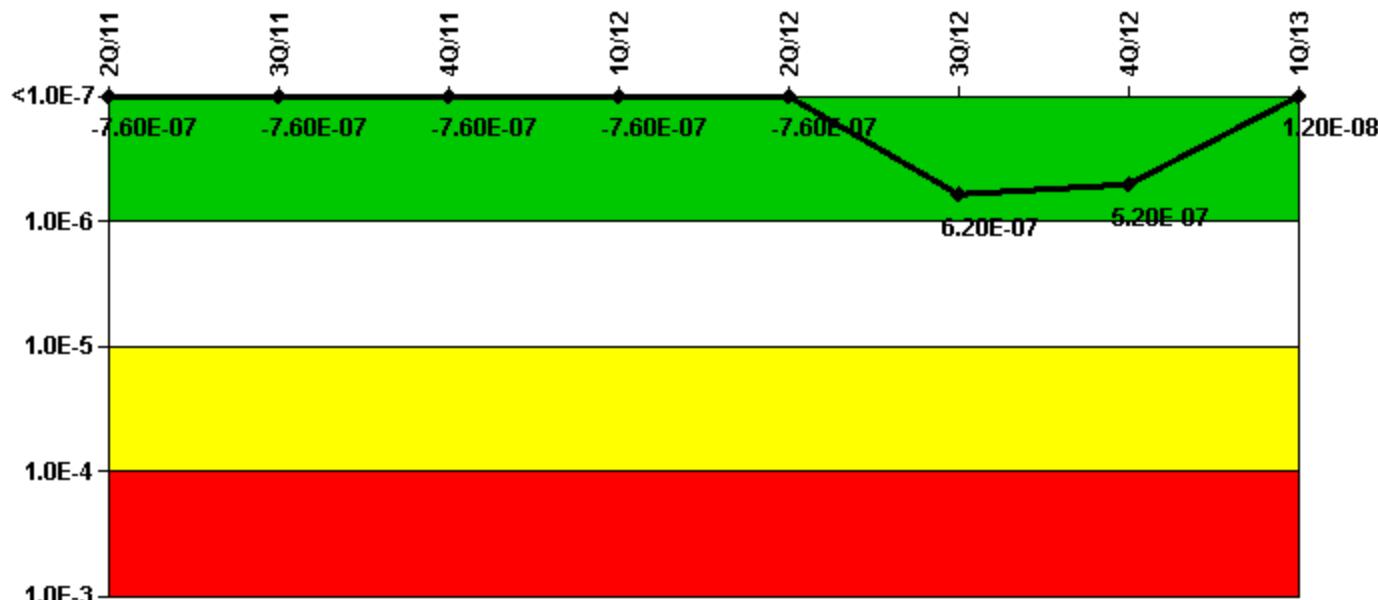
Notes

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

Licensee Comments:

3Q/11: LER-2011-001 - Failure to maintain one train of safe shutdown systems in accordance with Appendix R Section III.G.a/III.G.3
 Section III.G.a/III.G.3 LER-2011-002 - Failure to maintain one train of safe shutdown systems in accordance with Appendix R Section III.G.a/III.G.3

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 (Δ CDF)	-9.69E-08	-9.69E-08	-9.69E-08	-9.69E-08	-9.69E-08	1.67E-07	2.75E-08	1.94E-08
URI (Δ CDF)	-6.60E-07	-6.60E-07	-6.60E-07	-6.60E-07	-6.60E-07	4.54E-07	4.91E-07	-7.19E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.60E-07	-7.60E-07	-7.60E-07	-7.60E-07	-7.60E-07	6.20E-07	5.20E-07	1.20E-08

Licensee Comments:

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked. 8/24/2012 - "A" DG Start/Demand Failure due to "A" DG exciter failed to flash. 63.1 hours of unplanned unavailability were accrued. CR-12-03599 9/19/2012 - "A" DG Start/Demand Failure due to "A" DG exciter failed to flash. 111.3 hours of unplanned unavailability were accrued. CR-12-03998 Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

2Q/12: Risk Cap Invoked.

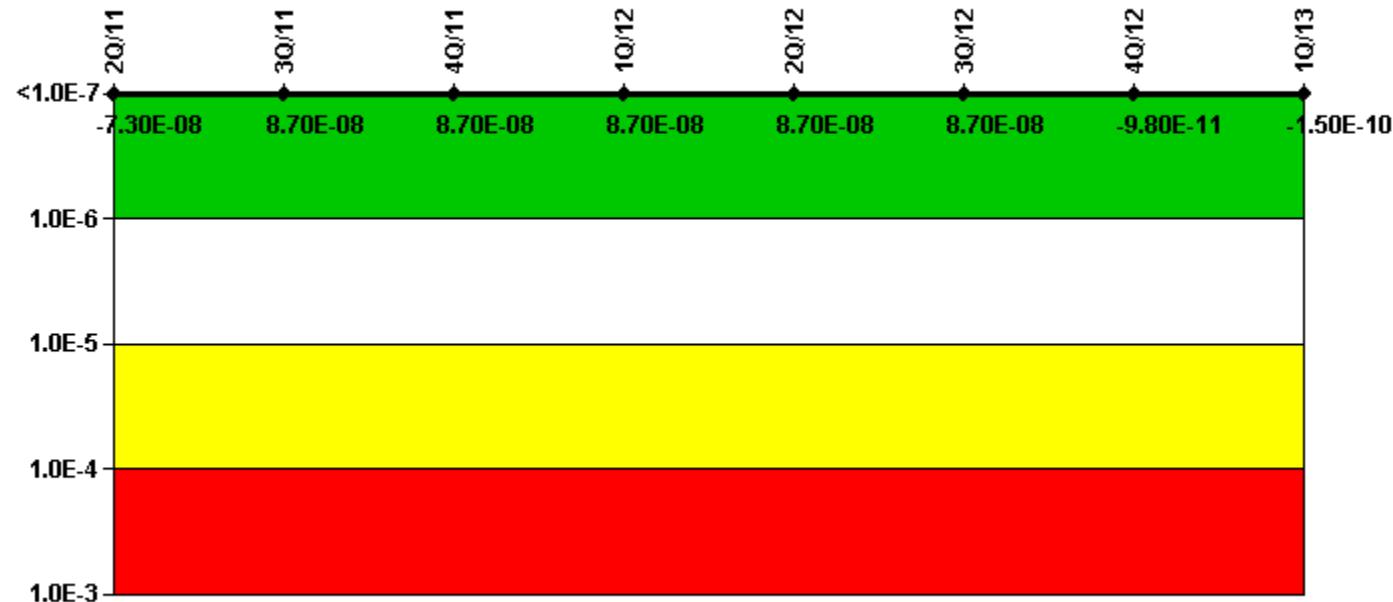
1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked.

3Q/11: Risk Cap Invoked.

2Q/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/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (Δ CDF)	-7.36E-09	-7.06E-09	-7.06E-09	-7.06E-09	-7.06E-09	-7.06E-09	-2.14E-09	-2.33E-09
URI (Δ CDF)	-6.60E-08	9.43E-08	9.43E-08	9.43E-08	9.43E-08	9.43E-08	2.04E-09	2.17E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.30E-08	8.70E-08	8.70E-08	8.70E-08	8.70E-08	8.70E-08	-9.80E-11	-1.50E-10

Licensee Comments:

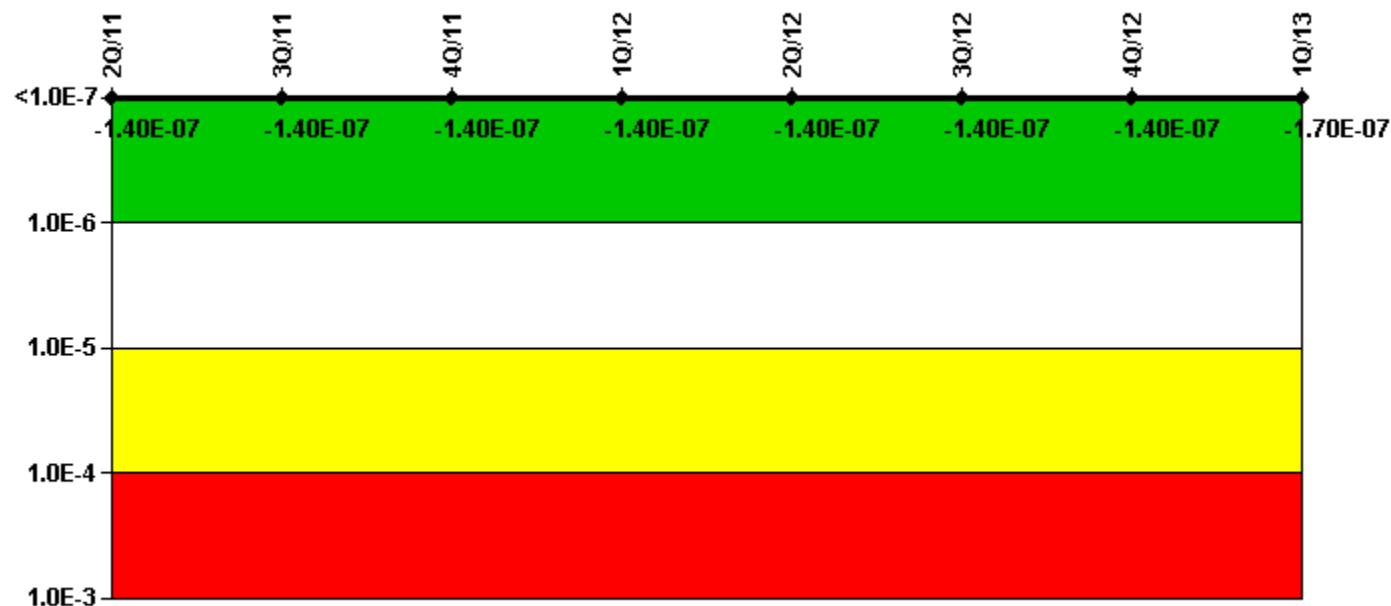
3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

3Q/11: On 9/27/2011 "C" HPSI Pump failed to start on "A" train HPSI with the "A" HPSI Pump breaker racked

out-of-service. This resulted in a Start/Demand failure and 1.2 hours of unplanned unavailability for the "A" Train HPSI. The apparent cause of the failure of the "C" Charging Pump breaker to close is a poorly designed and/or installed modification of the breaker pad lock bracket along with post modification testing failing to identify the design/installation deficiencies. This modification defeated the original design feature of the pad lock bracket that maintained a comfortable gap between the racking handle left side support arm and the pad lock bracket to ensure no potential for binding of the racking handle. With this gap eliminated, the racking handle was not able to return to the fully disengaged position under the force of its retracting spring as it is designed to do.

3Q/11: On 9/27/2011 "C" HPSI Pump breaker was improperly racked in on "A" train HPSI and the "A" HPSI Pump breaker was racked out-of-service. The "C" HPSI Pump breaker condition was not discovered until the pump failed to start during a test start. This event resulted in a Start/Demand failure and 1.2 hours of unplanned unavailability.

Mitigating Systems Performance Index, Heat Removal System



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

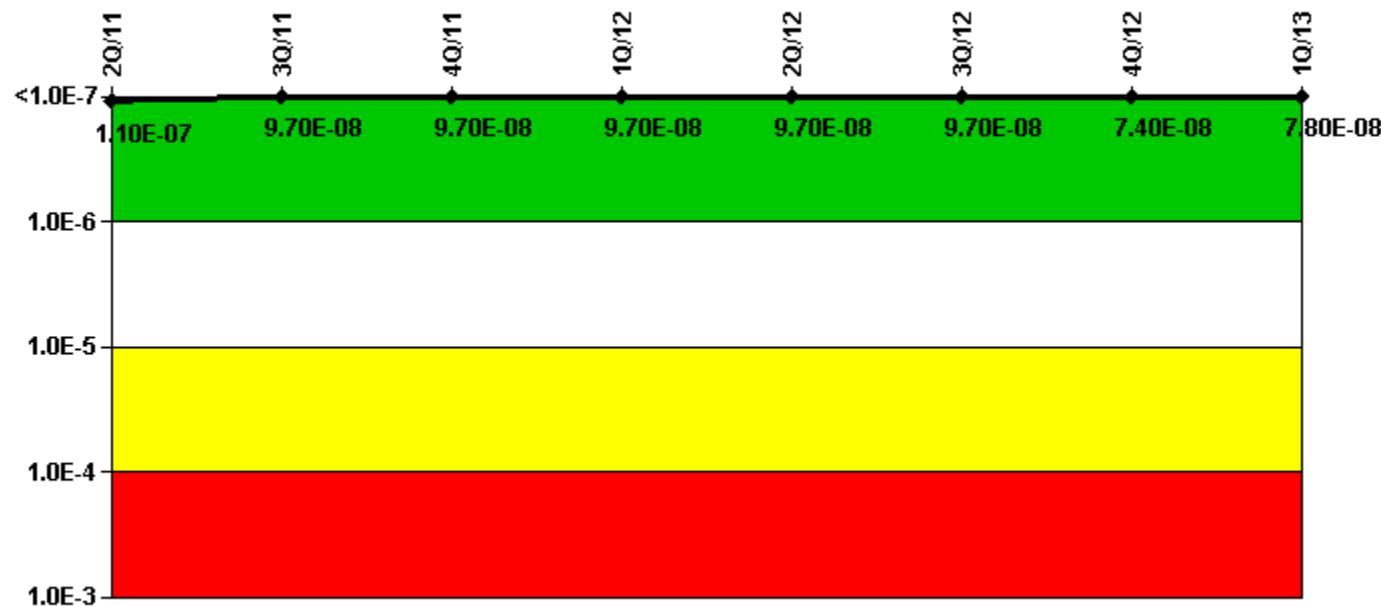
Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (Δ CDF)	-2.05E-08	-2.07E-08	-2.11E-08	-2.11E-08	-2.11E-08	-1.97E-08	-2.03E-08	-1.38E-08
URI (Δ CDF)	-1.17E-07	-1.17E-07	-1.17E-07	-1.17E-07	-1.17E-07	-1.17E-07	-1.23E-07	-1.55E-07
PLE	NO							
Indicator value	-1.40E-07	-1.70E-07						

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

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 (Δ CDF)	4.01E-09	-4.48E-09	-4.48E-09	-4.49E-09	-4.49E-09	-4.49E-09	-3.00E-09	-3.21E-09
URI (Δ CDF)	1.01E-07	1.01E-07	1.01E-07	1.01E-07	1.01E-07	1.01E-07	7.68E-08	8.08E-08
PLE	NO							
Indicator value	1.10E-07	9.70E-08	9.70E-08	9.70E-08	9.70E-08	9.70E-08	7.40E-08	7.80E-08

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

Mitigating Systems Performance Index, Cooling Water Systems



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

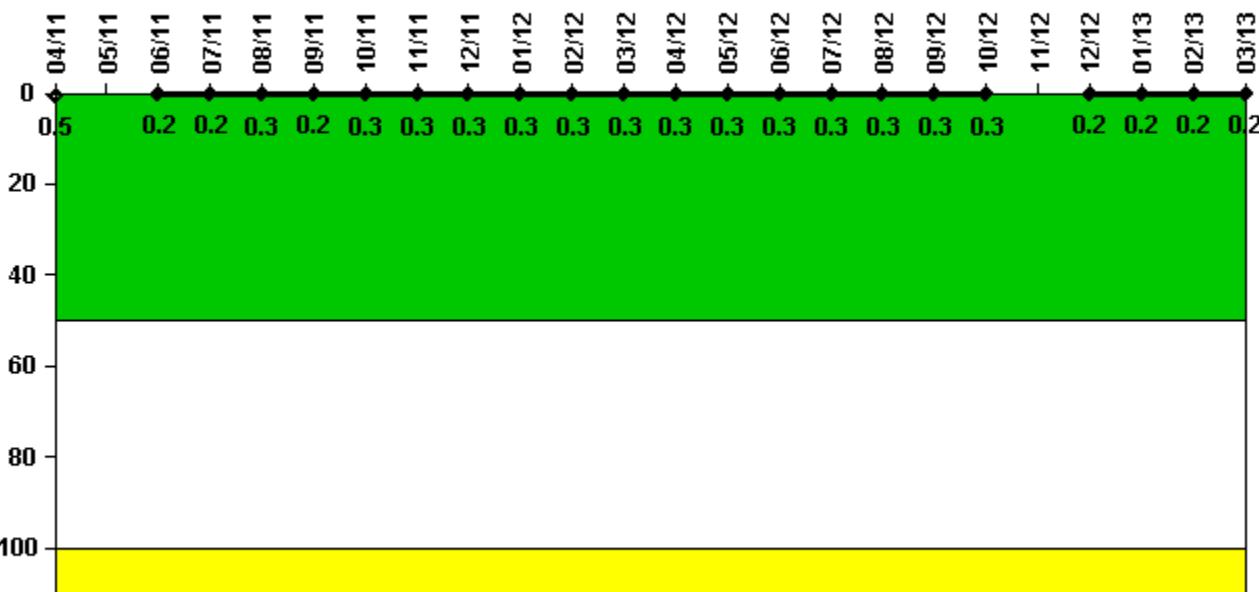
Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (Δ CDF)	-2.78E-08	-2.78E-08	-2.78E-08	-2.78E-08	-2.78E-08	-2.78E-08	-8.34E-09	-6.98E-09
URI (Δ CDF)	-2.58E-07	-2.58E-07	-2.58E-07	-2.58E-07	-2.58E-07	-2.58E-07	-5.85E-08	-4.66E-08
PLE	NO							
Indicator value	-2.90E-07	-2.90E-07	-2.90E-07	-2.90E-07	-2.90E-07	-2.90E-07	-6.70E-08	-5.40E-08

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

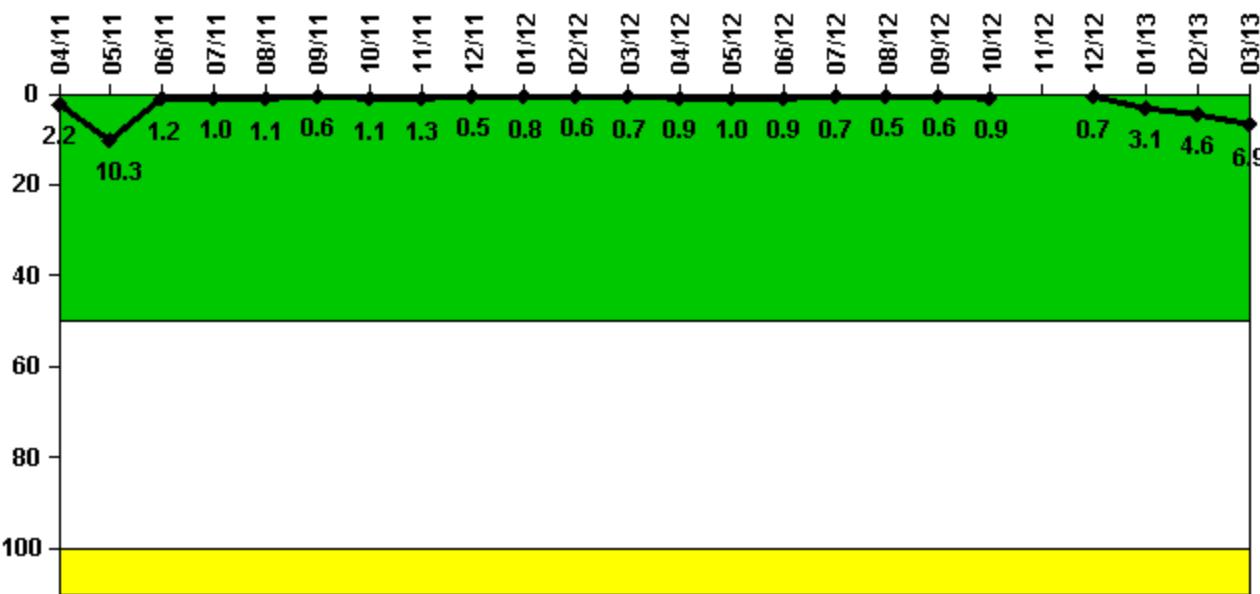
Notes

Reactor Coolant System Activity	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum activity	0.0000313	N/A	0.0000135	0.0000139	0.0000149	0.0000147	0.0000155	0.0000164	0.0000161	0.0000170	0.0000170	0.0000175
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.5	N/A	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3
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	0.0000171	0.0000173	0.0000179	0.0000183	0.0000185	0.0000190	0.0000199	N/A	0.0000096	0.0000095	0.0000094	0.0000095
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.3	0.3	0.3	0.3	0.3	0.3	0.3	N/A	0.2	0.2	0.2	0.2

Licensee Comments:

12/12: The plant was shutdown for a scheduled refueling outage for the entire month of November 2012.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

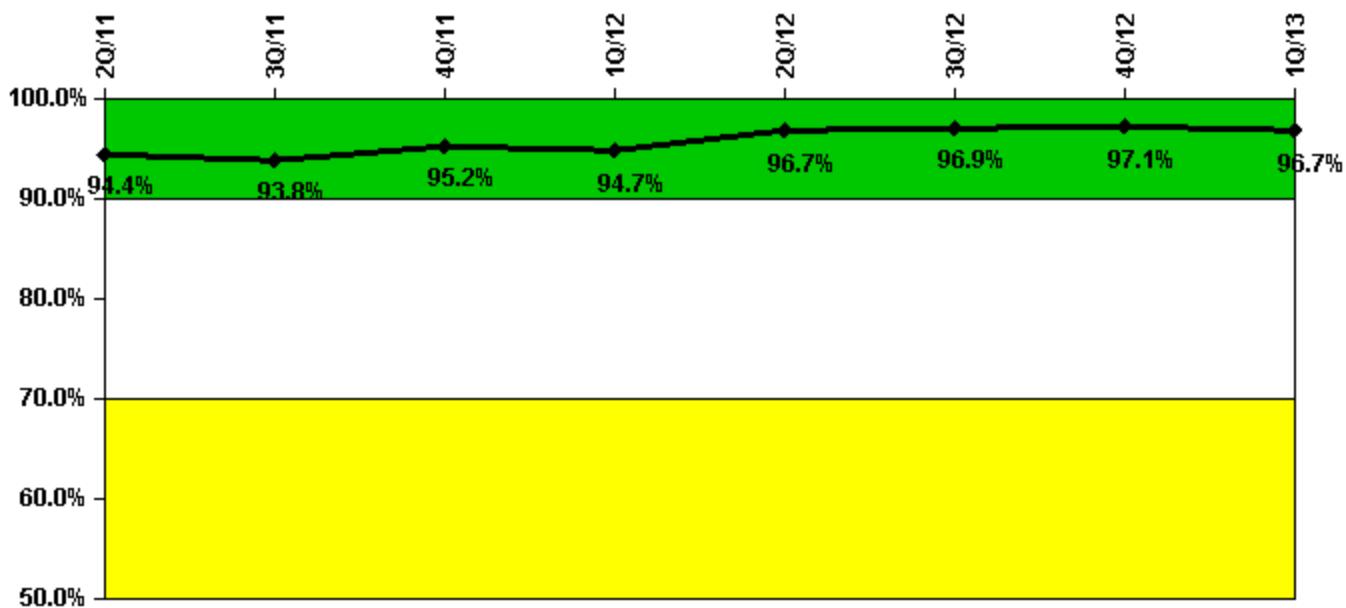
Notes

Reactor Coolant System Leakage	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum leakage	0.220	1.030	0.120	0.100	0.110	0.060	0.110	0.130	0.050	0.080	0.060	0.070
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.2	10.3	1.2	1.0	1.1	0.6	1.1	1.3	0.5	0.8	0.6	0.7
Reactor Coolant System Leakage	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum leakage	0.090	0.100	0.090	0.070	0.050	0.060	0.090	N/A	0.070	0.310	0.460	0.690
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	1.0	0.9	0.7	0.5	0.6	0.9	N/A	0.7	3.1	4.6	6.9

Licensee Comments:

12/12: The plant was shutdown for a scheduled refueling outage for the entire month of November 2012.

Drill/Exercise Performance



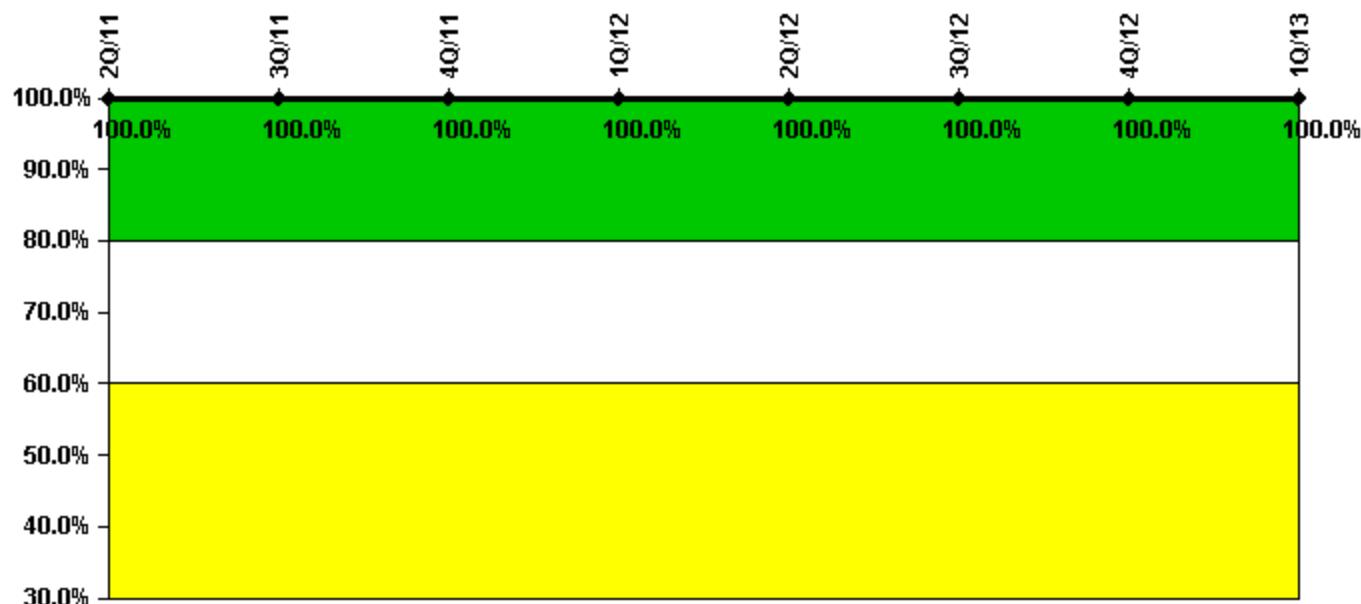
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful opportunities	15.0	30.0	46.0	54.0	56.0	43.0	16.0	30.0
Total opportunities	16.0	32.0	46.0	58.0	56.0	44.0	16.0	32.0
Indicator value	94.4%	93.8%	95.2%	94.7%	96.7%	96.9%	97.1%	96.7%

Licensee Comments: none

ERO Drill Participation



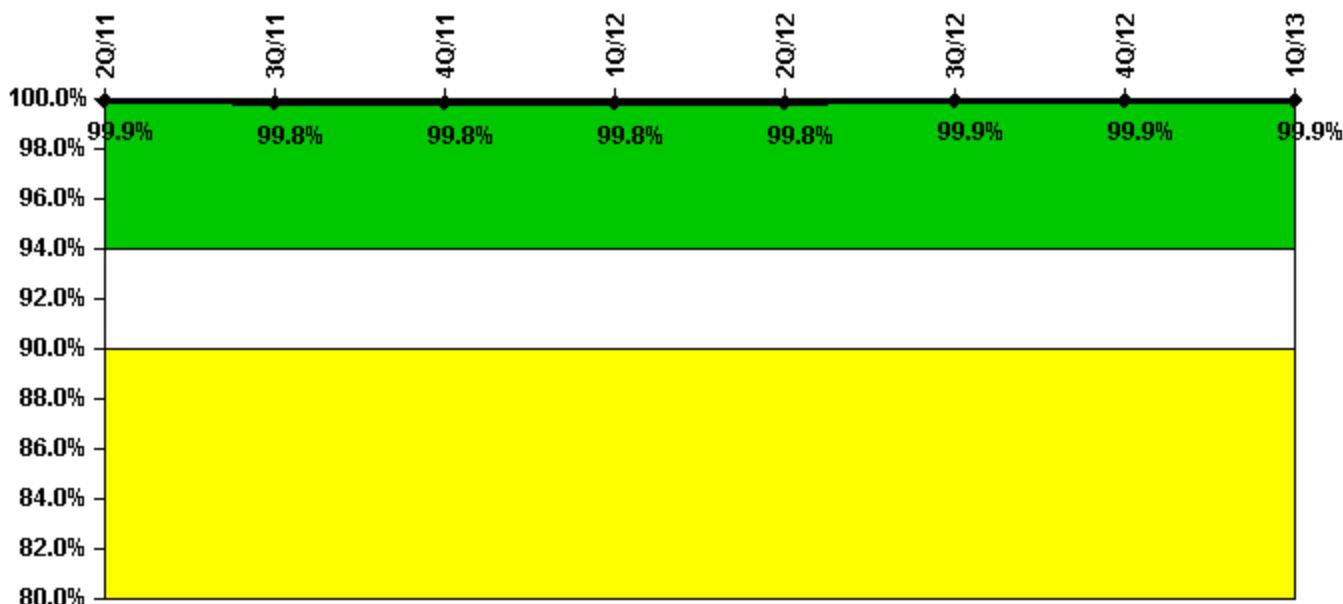
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Participating Key personnel	75.0	77.0	79.0	80.0	75.0	74.0	75.0	75.0
Total Key personnel	75.0	77.0	79.0	80.0	75.0	74.0	75.0	75.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



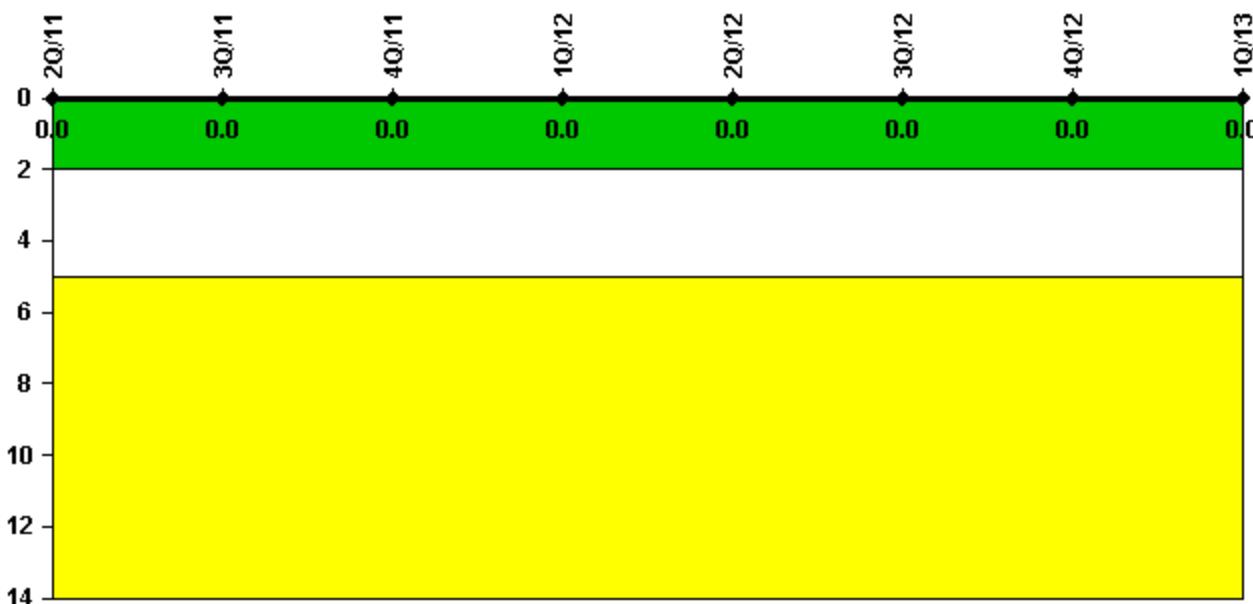
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful siren-tests	741	844	742	846	742	847	848	741
Total sirens-tests	742	848	742	848	742	848	848	742
Indicator value	99.9%	99.8%	99.8%	99.8%	99.8%	99.9%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



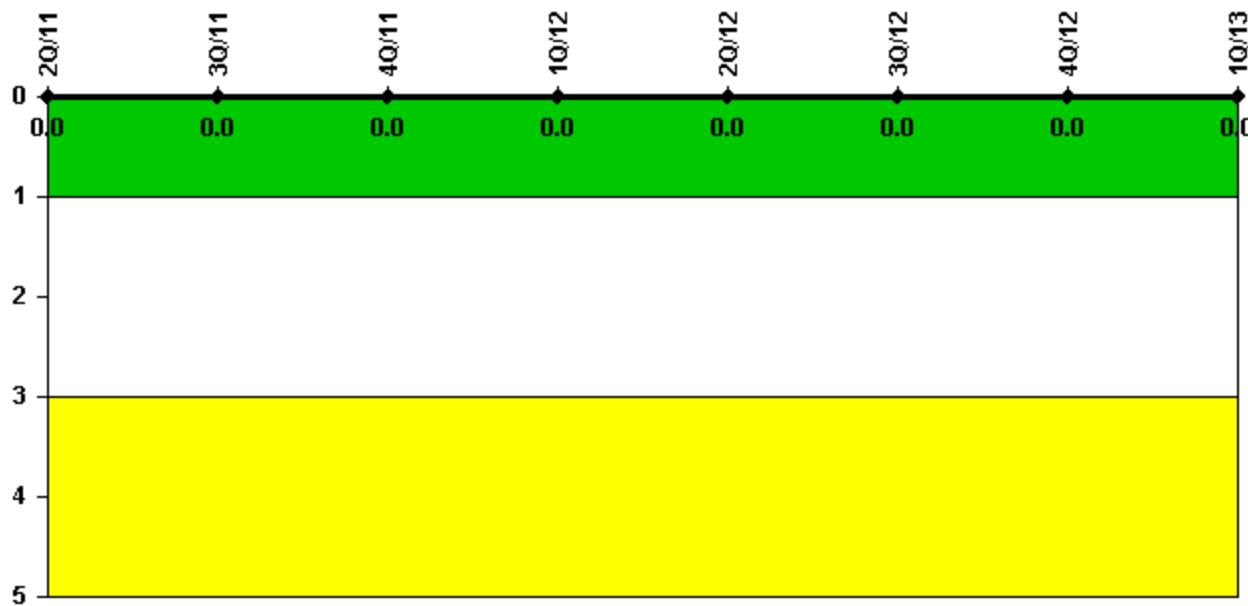
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



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							

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

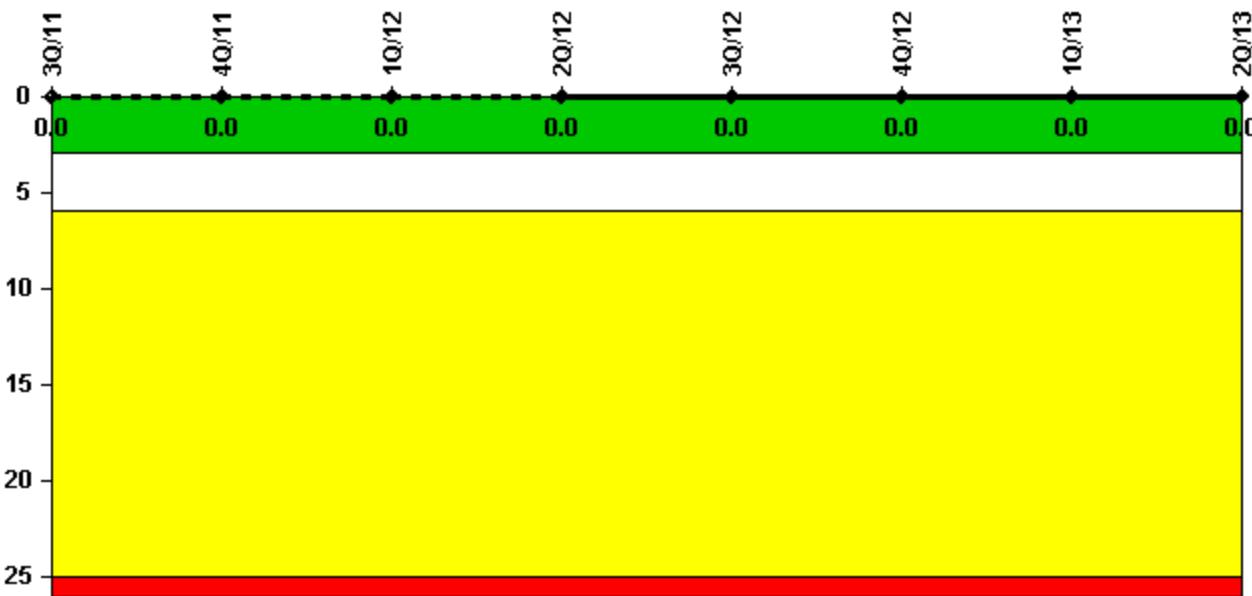
Summer

2Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



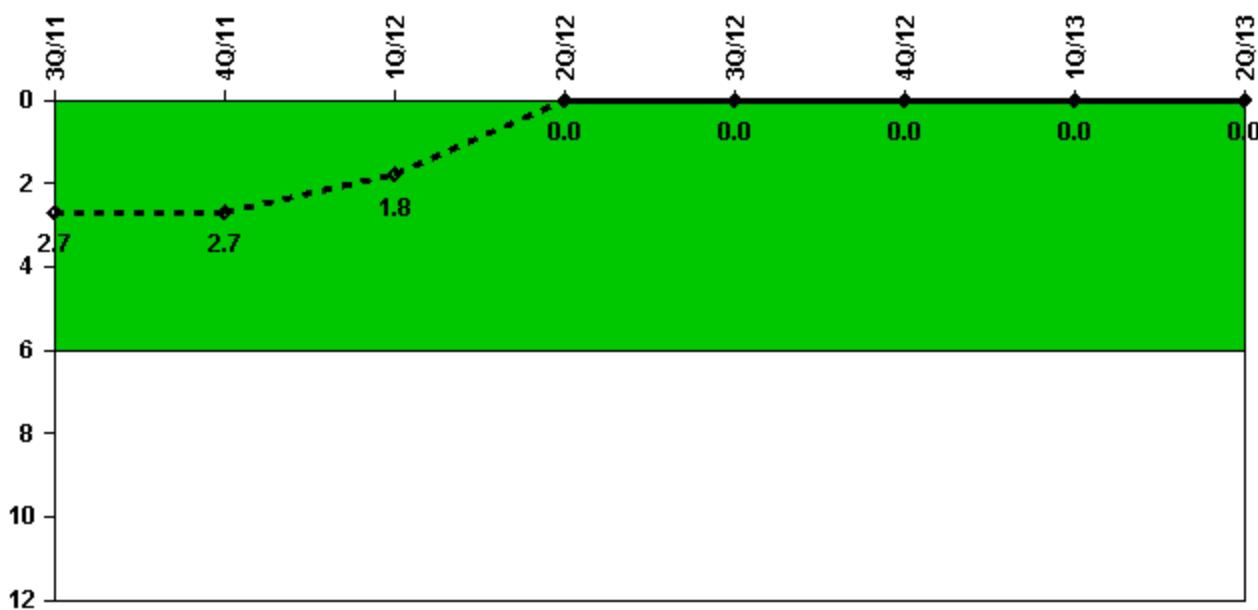
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	2208.0	915.7	1944.9	2157.1
Indicator value	0							

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



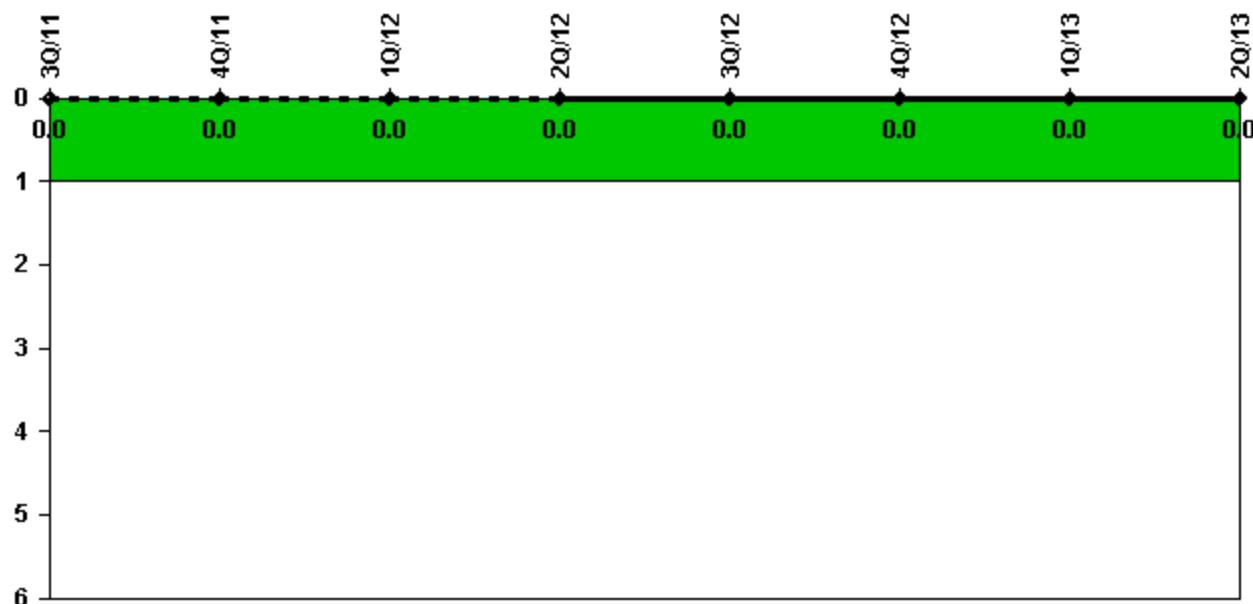
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	2208.0	915.7	1944.9	2157.1
Indicator value	2.7	2.7	1.8	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



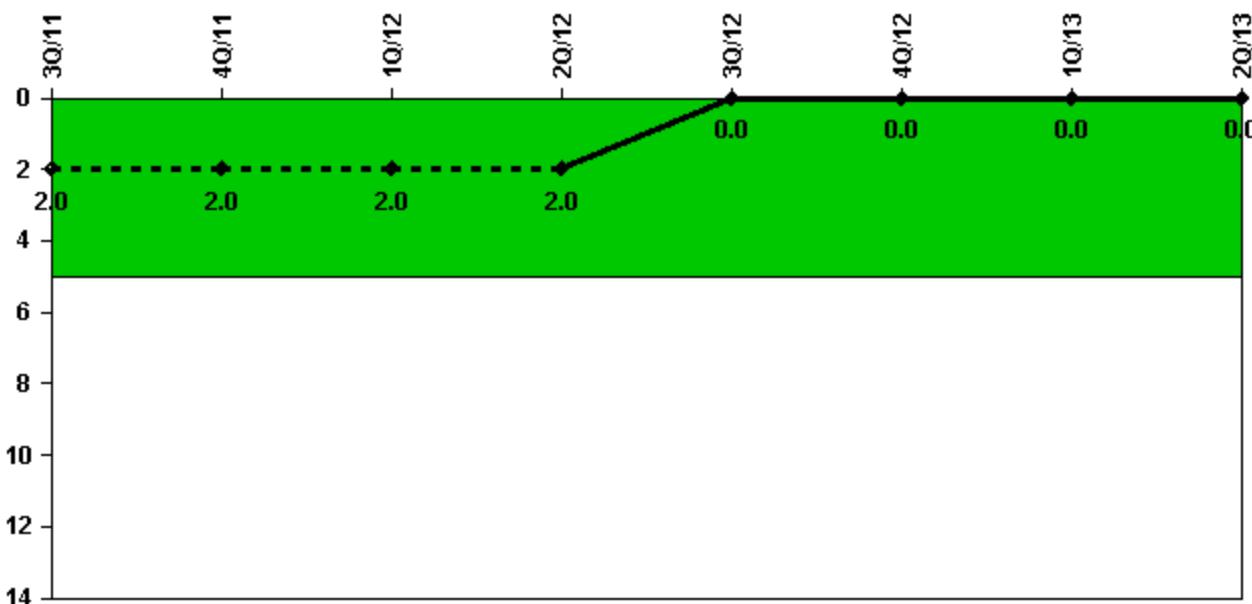
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

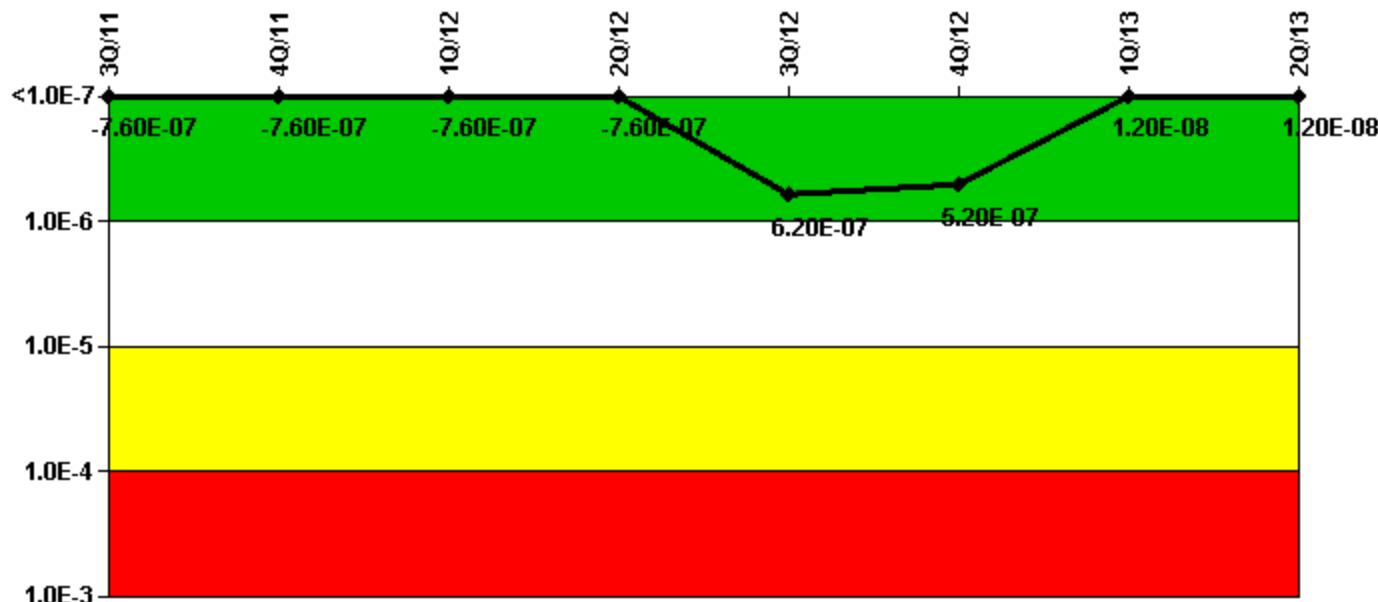
Notes

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

Licensee Comments:

3Q/11: LER-2011-001 - Failure to maintain one train of safe shutdown systems in accordance with Appendix R Section III.G.a/III.G.3
 Section III.G.a/III.G.3 LER-2011-002 - Failure to maintain one train of safe shutdown systems in accordance with Appendix R Section III.G.a/III.G.3

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 (Δ CDF)	-9.69E-08	-9.69E-08	-9.69E-08	-9.69E-08	1.67E-07	2.75E-08	1.94E-08	1.94E-08
URI (Δ CDF)	-6.60E-07	-6.60E-07	-6.60E-07	-6.60E-07	4.54E-07	4.91E-07	-7.19E-09	-7.19E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.60E-07	-7.60E-07	-7.60E-07	-7.60E-07	6.20E-07	5.20E-07	1.20E-08	1.20E-08

Licensee Comments:

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked. 8/24/2012 - "A" DG Start/Demand Failure due to "A" DG exciter failed to flash. 63.1 hours of unplanned unavailability were accrued. CR-12-03599 9/19/2012 - "A" DG Start/Demand Failure due to "A" DG exciter failed to flash. 111.3 hours of unplanned unavailability were accrued. CR-12-03998 Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

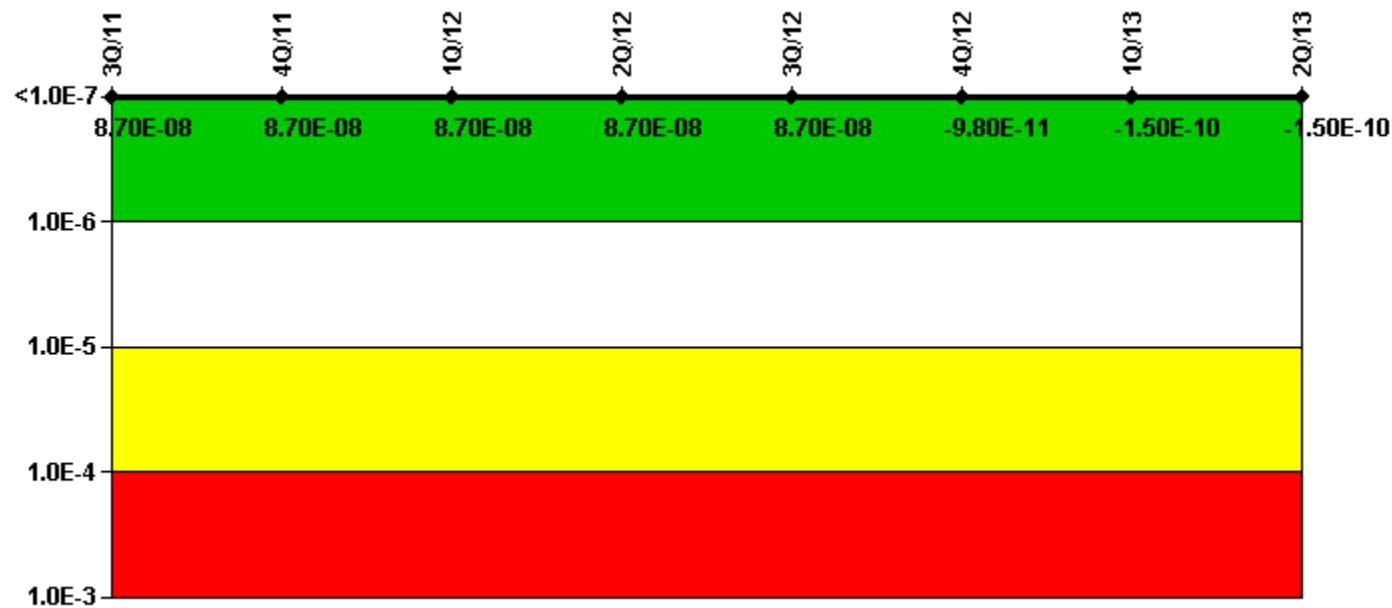
2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/11: Risk Cap Invoked.

3Q/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	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (Δ CDF)	-7.06E-09	-7.06E-09	-7.06E-09	-7.06E-09	-7.06E-09	-2.14E-09	-2.33E-09	-2.33E-09
URI (Δ CDF)	9.43E-08	9.43E-08	9.43E-08	9.43E-08	9.43E-08	2.04E-09	2.17E-09	2.17E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.70E-08	8.70E-08	8.70E-08	8.70E-08	8.70E-08	-9.80E-11	-1.50E-10	-1.50E-10

Licensee Comments:

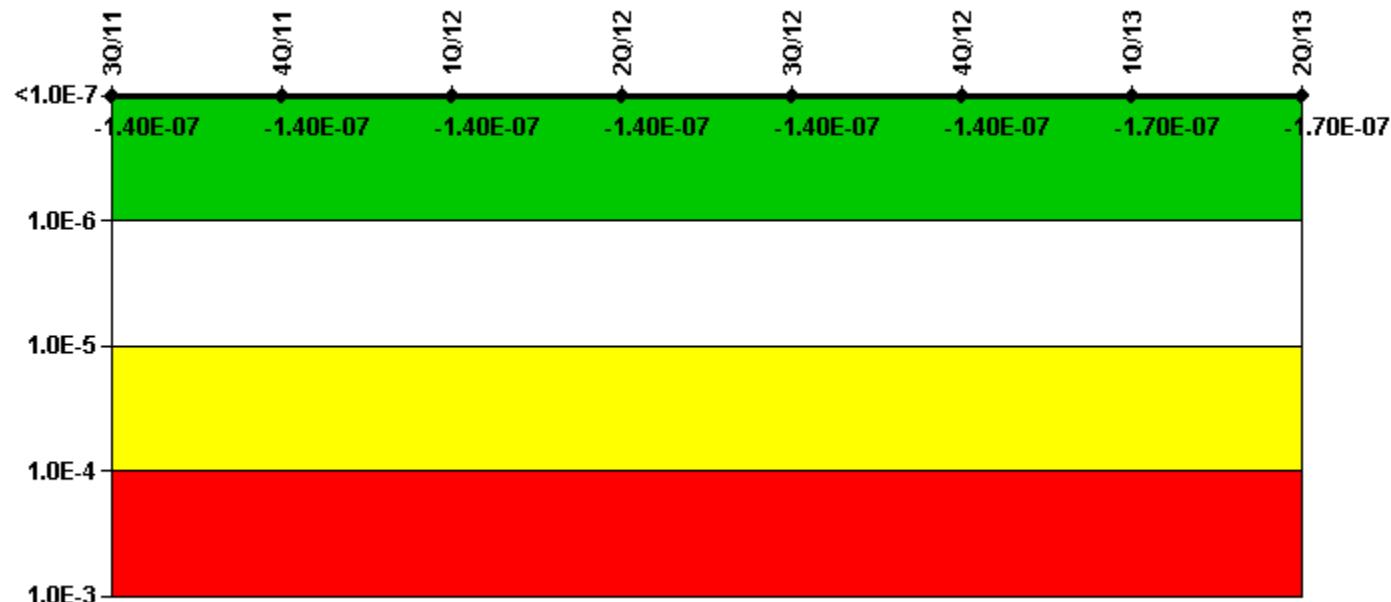
3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

3Q/11: On 9/27/2011 "C" HPSI Pump failed to start on "A" train HPSI with the "A" HPSI Pump breaker racked out-of-service. This resulted in a Start/Demand failure and 1.2 hours of unplanned unavailability for the "A" Train HPSI. The apparent cause of the failure of the "C" Charging Pump breaker to close is a poorly designed

and/or installed modification of the breaker pad lock bracket along with post modification testing failing to identify the design/installation deficiencies. This modification defeated the original design feature of the pad lock bracket that maintained a comfortable gap between the racking handle left side support arm and the pad lock bracket to ensure no potential for binding of the racking handle. With this gap eliminated, the racking handle was not able to return to the fully disengaged position under the force of its retracting spring as it is designed to do.

3Q/11: On 9/27/2011 "C" HPSI Pump breaker was improperly racked in on "A" train HPSI and the "A" HPSI Pump breaker was racked out-of-service. The "C" HPSI Pump breaker condition was not discovered until the pump failed to start during a test start. This event resulted in a Start/Demand failure and 1.2 hours of unplanned unavailability.

Mitigating Systems Performance Index, Heat Removal System



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

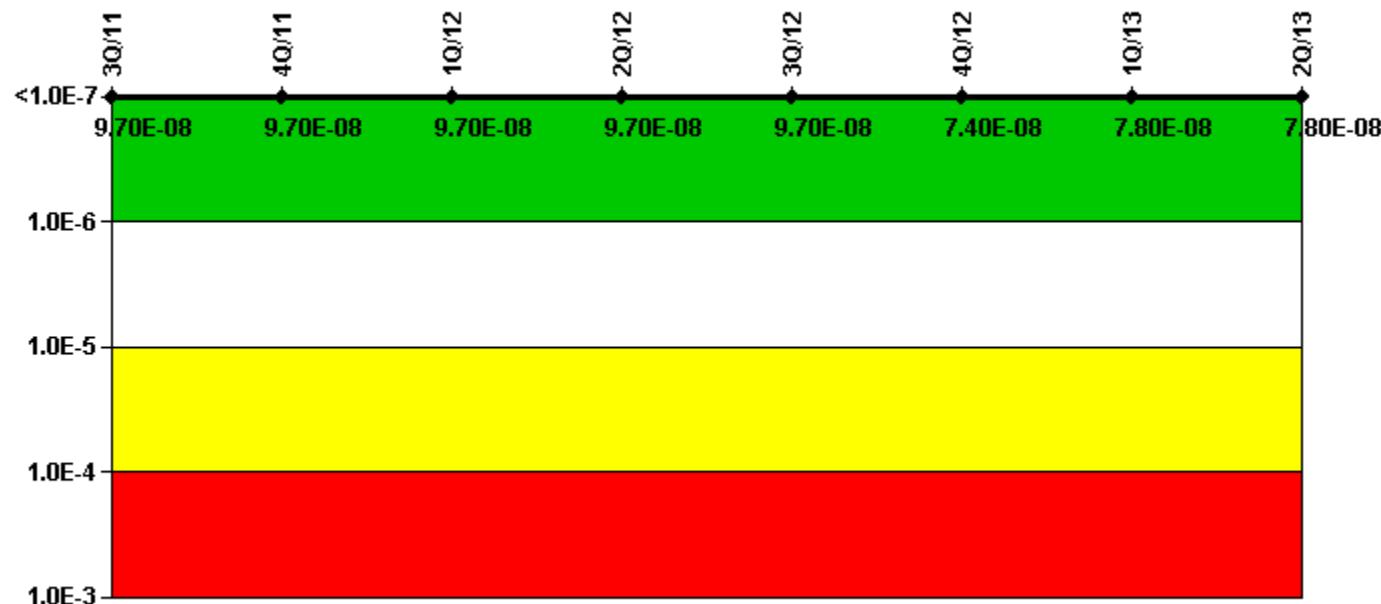
Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (Δ CDF)	-2.07E-08	-2.11E-08	-2.11E-08	-2.11E-08	-1.97E-08	-2.03E-08	-1.38E-08	-1.39E-08
URI (Δ CDF)	-1.17E-07	-1.17E-07	-1.17E-07	-1.17E-07	-1.17E-07	-1.23E-07	-1.55E-07	-1.55E-07
PLE	NO							
Indicator value	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.70E-07	-1.70E-07

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

Mitigating Systems Performance Index, Residual Heat Removal System



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

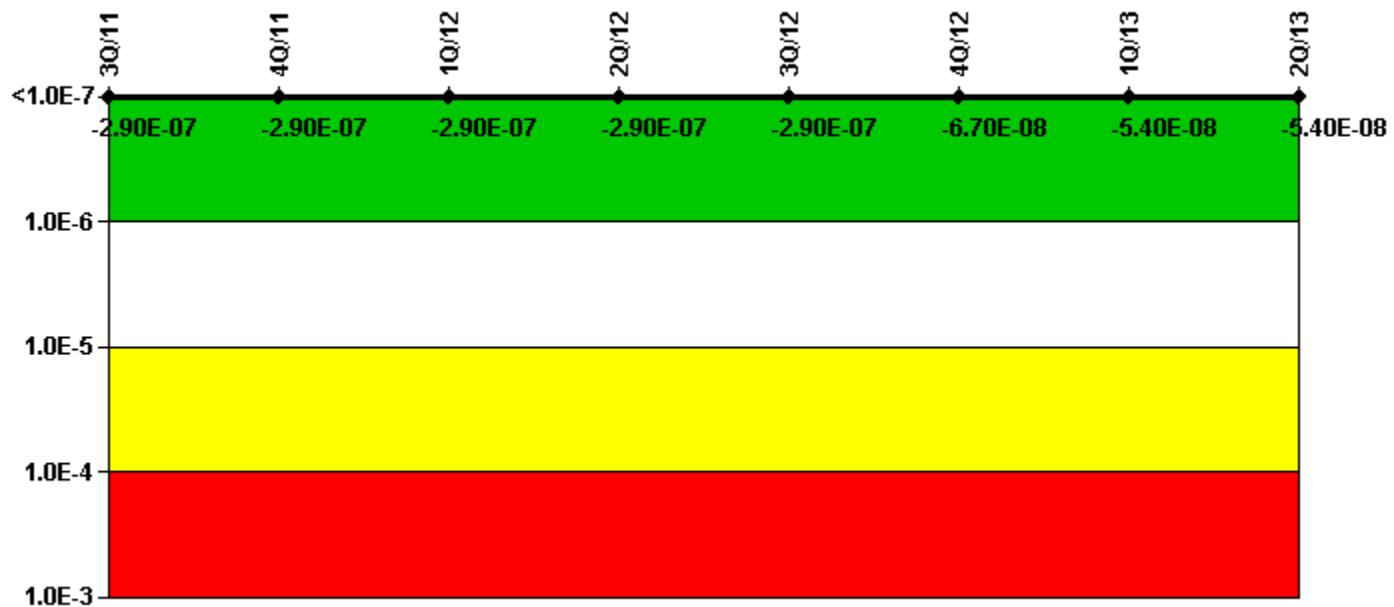
Notes

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 (Δ CDF)	-4.48E-09	-4.48E-09	-4.49E-09	-4.49E-09	-4.49E-09	-3.00E-09	-3.21E-09	-3.21E-09
URI (Δ CDF)	1.01E-07	1.01E-07	1.01E-07	1.01E-07	1.01E-07	7.68E-08	8.08E-08	8.08E-08
PLE	NO							
Indicator value	9.70E-08	9.70E-08	9.70E-08	9.70E-08	9.70E-08	7.40E-08	7.80E-08	7.80E-08

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

Mitigating Systems Performance Index, Cooling Water Systems



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

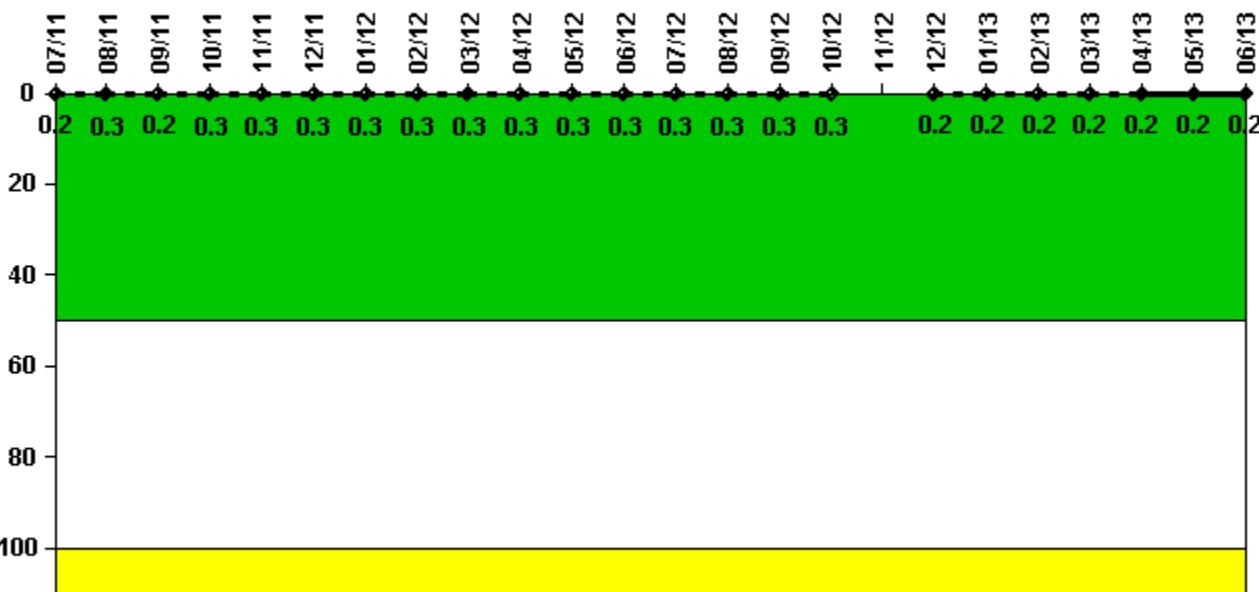
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (Δ CDF)	-2.78E-08	-2.78E-08	-2.78E-08	-2.78E-08	-2.78E-08	-8.34E-09	-6.98E-09	-6.98E-09
URI (Δ CDF)	-2.58E-07	-2.58E-07	-2.58E-07	-2.58E-07	-2.58E-07	-5.85E-08	-4.66E-08	-4.66E-08
PLE	NO							
Indicator value	-2.90E-07	-2.90E-07	-2.90E-07	-2.90E-07	-2.90E-07	-6.70E-08	-5.40E-08	-5.40E-08

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

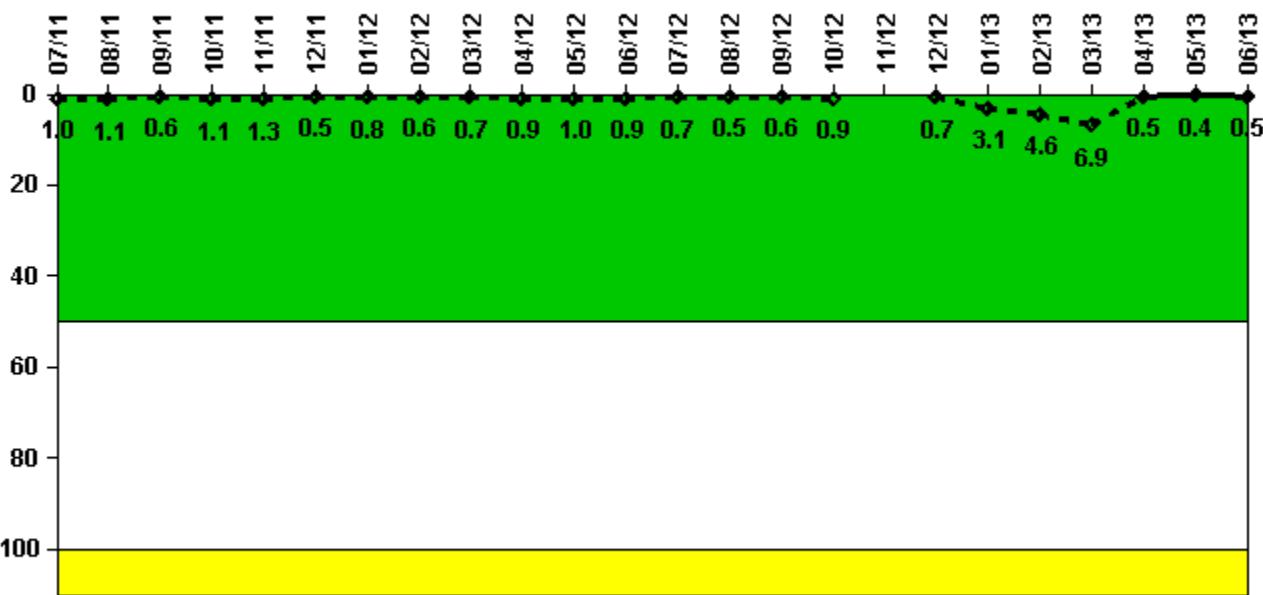
Notes

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	0.000139	0.000149	0.000147	0.000155	0.000164	0.000161	0.000170	0.000170	0.000175	0.000171	0.000173	0.000179
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	0.3	0.2	0.3								
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	0.000183	0.000185	0.000190	0.000199	N/A	0.000096	0.000095	0.000094	0.000095	0.000102	0.000098	0.000111
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.3	0.3	0.3	0.3	N/A	0.2						

Licensee Comments:

12/12: The plant was shutdown for a scheduled refueling outage for the entire month of November 2012.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

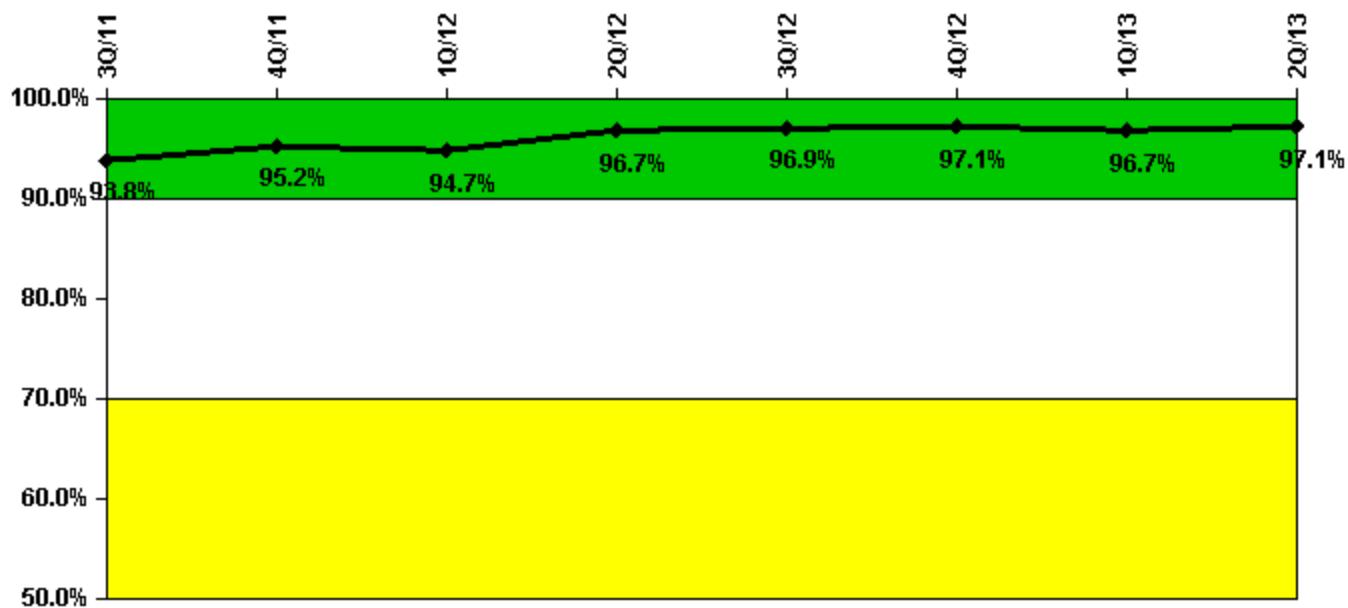
Notes

Reactor Coolant System Leakage	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12
Maximum leakage	0.100	0.110	0.060	0.110	0.130	0.050	0.080	0.060	0.070	0.090	0.100	0.090
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.0	1.1	0.6	1.1	1.3	0.5	0.8	0.6	0.7	0.9	1.0	0.9
Reactor Coolant System Leakage	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum leakage	0.070	0.050	0.060	0.090	N/A	0.070	0.310	0.460	0.690	0.050	0.040	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.7	0.5	0.6	0.9	N/A	0.7	3.1	4.6	6.9	0.5	0.4	0.5

Licensee Comments:

12/12: The plant was shutdown for a scheduled refueling outage for the entire month of November 2012.

Drill/Exercise Performance



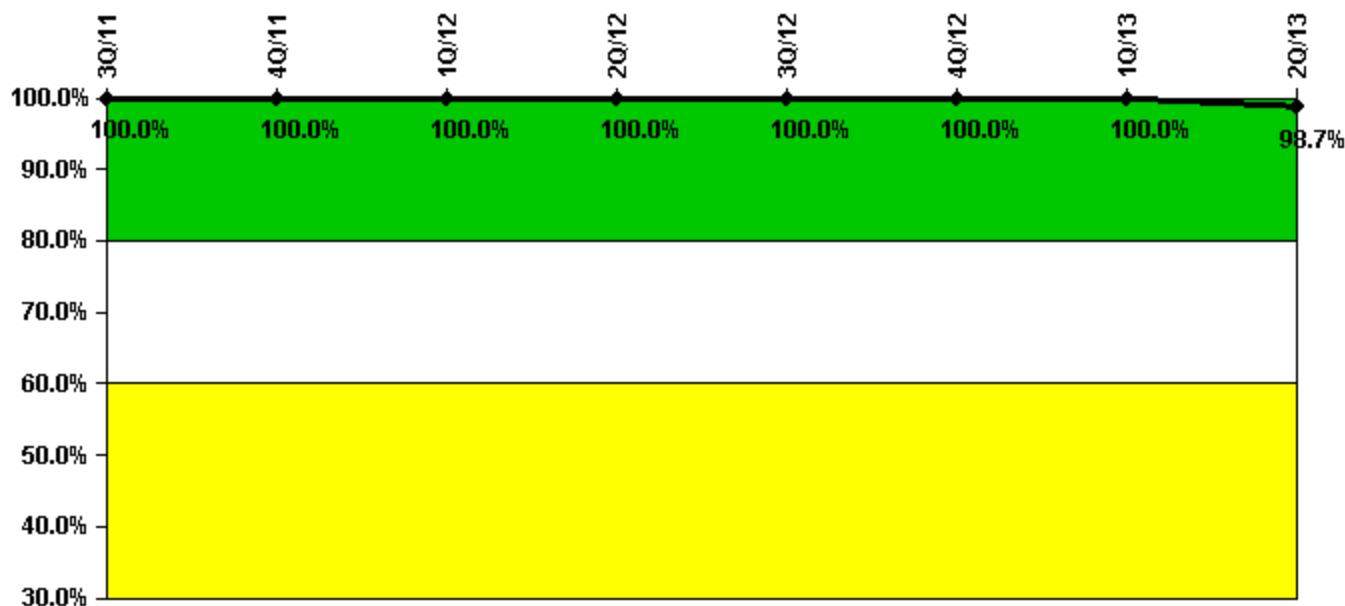
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful opportunities	30.0	46.0	54.0	56.0	43.0	16.0	30.0	88.0
Total opportunities	32.0	46.0	58.0	56.0	44.0	16.0	32.0	90.0
Indicator value	93.8%	95.2%	94.7%	96.7%	96.9%	97.1%	96.7%	97.1%

Licensee Comments: none

ERO Drill Participation



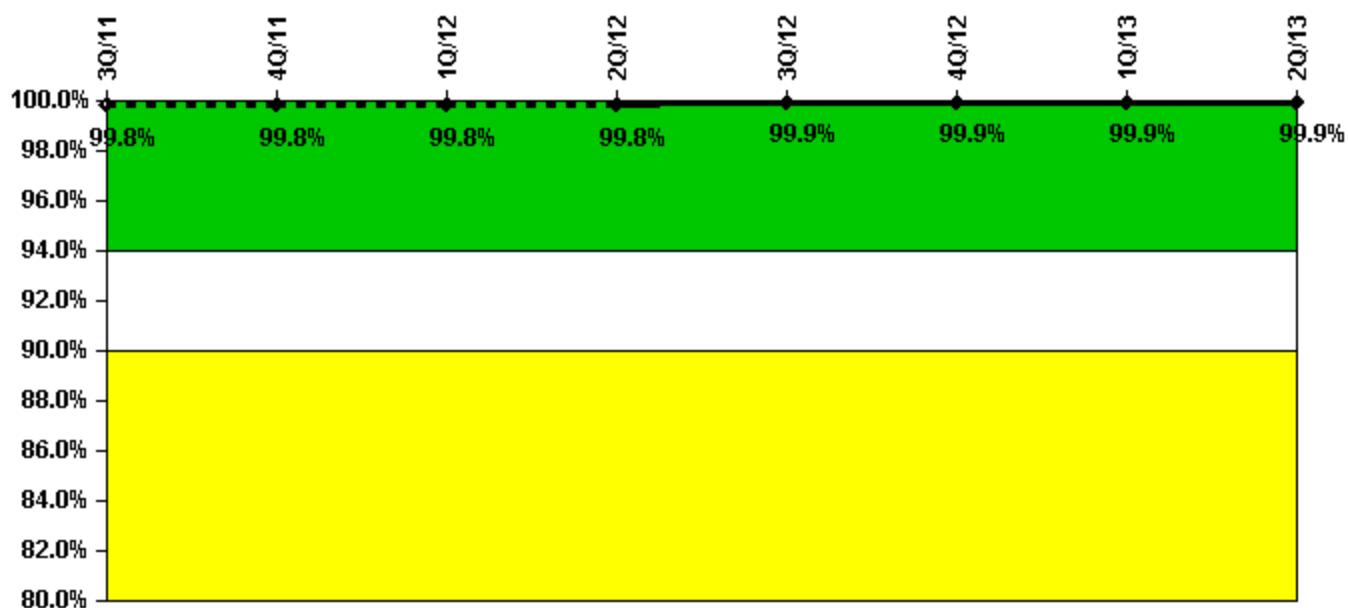
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Participating Key personnel	77.0	79.0	80.0	75.0	74.0	75.0	75.0	75.0
Total Key personnel	77.0	79.0	80.0	75.0	74.0	75.0	75.0	76.0
Indicator value	100.0%	98.7%						

Licensee Comments: none

Alert & Notification System



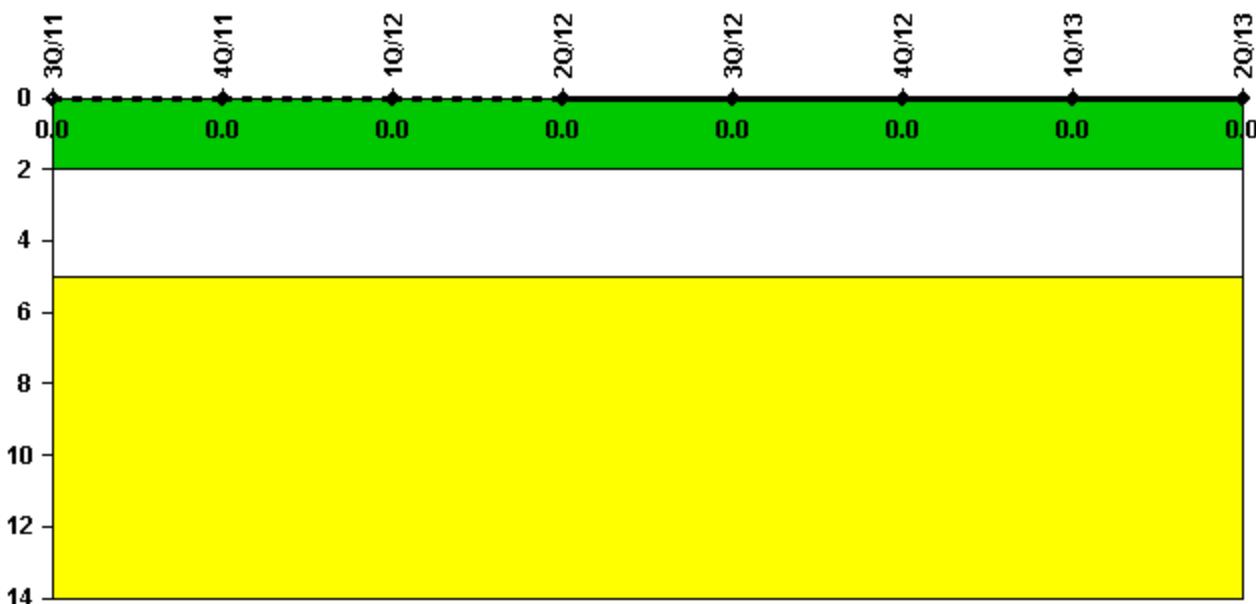
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful siren-tests	844	742	846	742	847	848	741	742
Total sirens-tests	848	742	848	742	848	848	742	742
Indicator value	99.8%	99.8%	99.8%	99.8%	99.9%	99.9%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



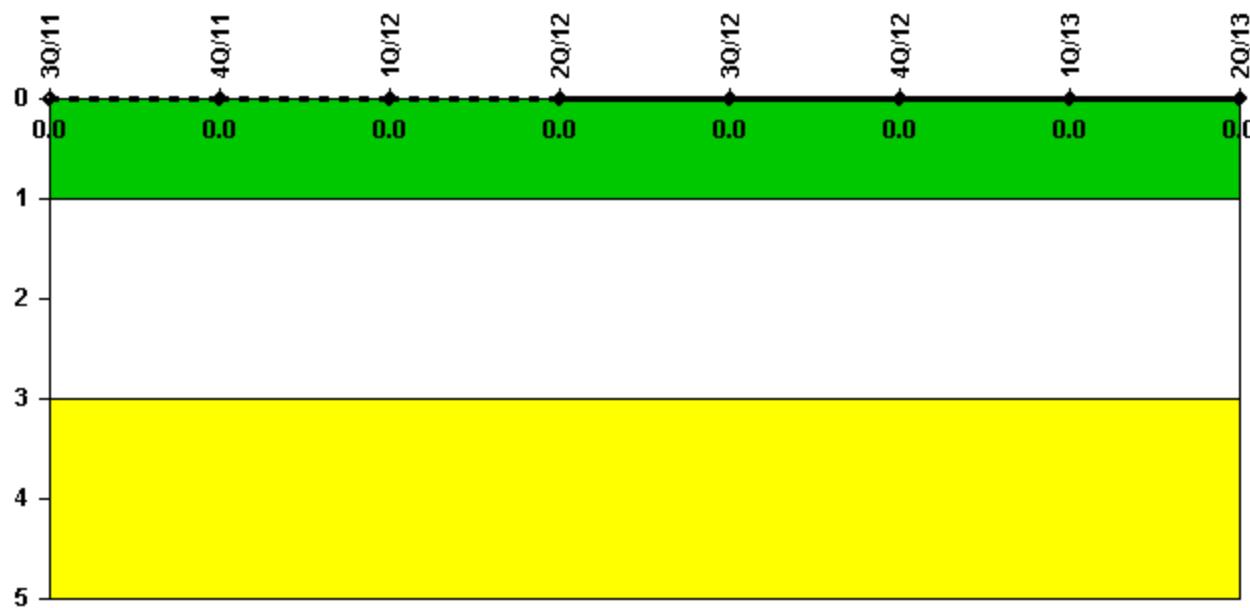
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



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							

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

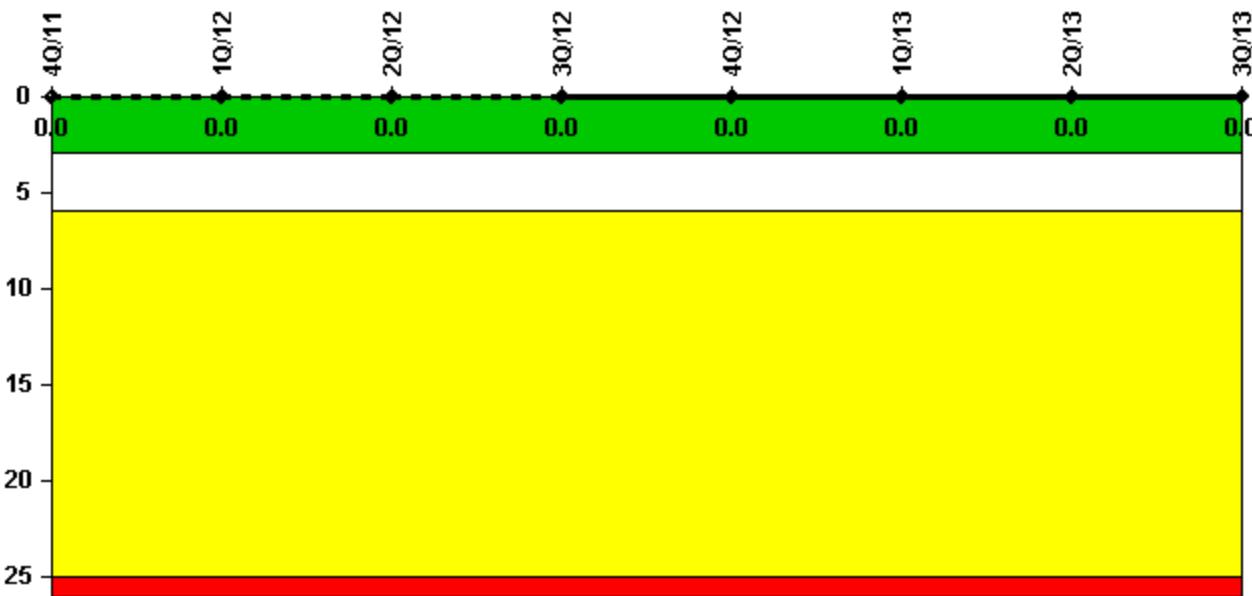
Summer

3Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



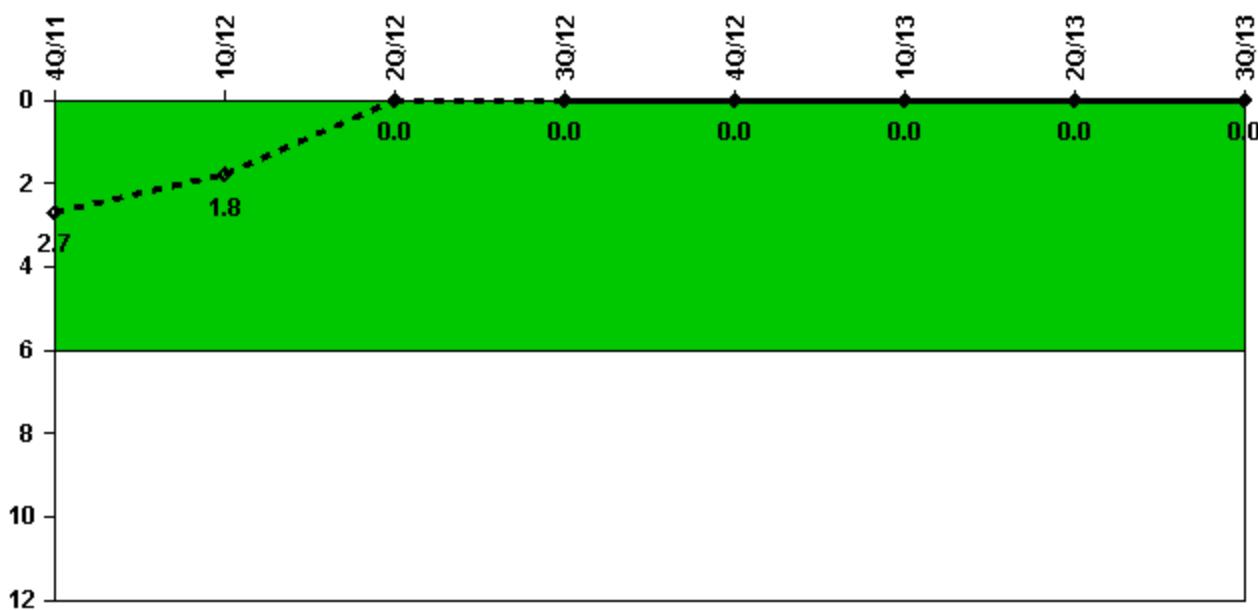
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2183.0	2184.0	2208.0	915.7	1944.9	2157.1	2208.0
Indicator value	0							

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



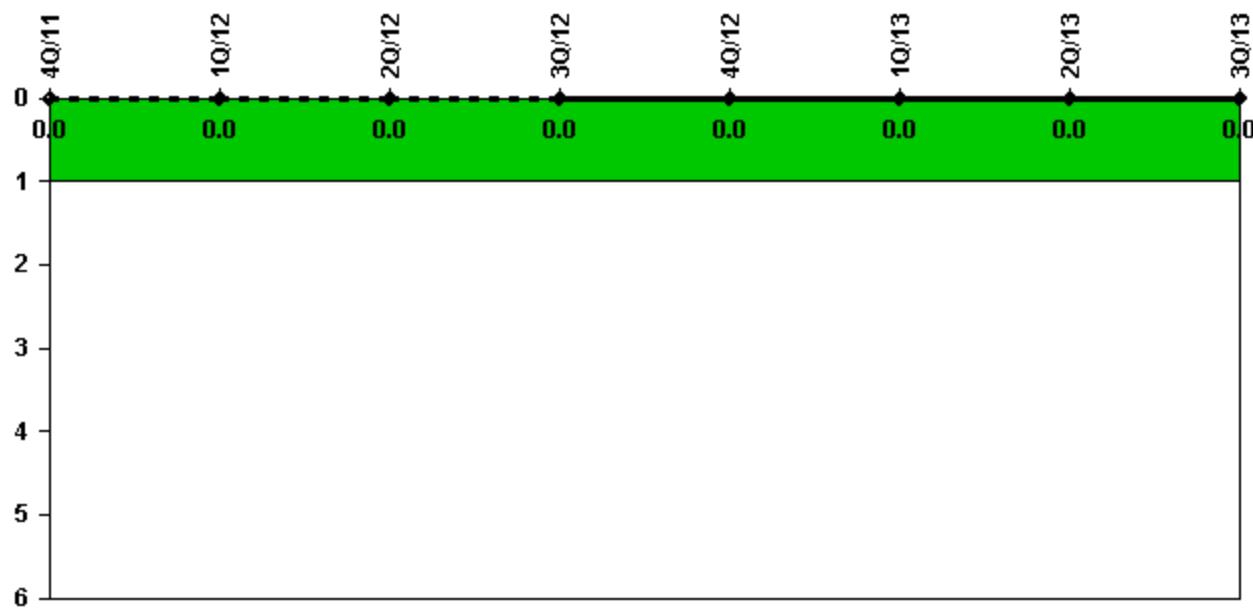
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2183.0	2184.0	2208.0	915.7	1944.9	2157.1	2208.0
Indicator value	2.7	1.8	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



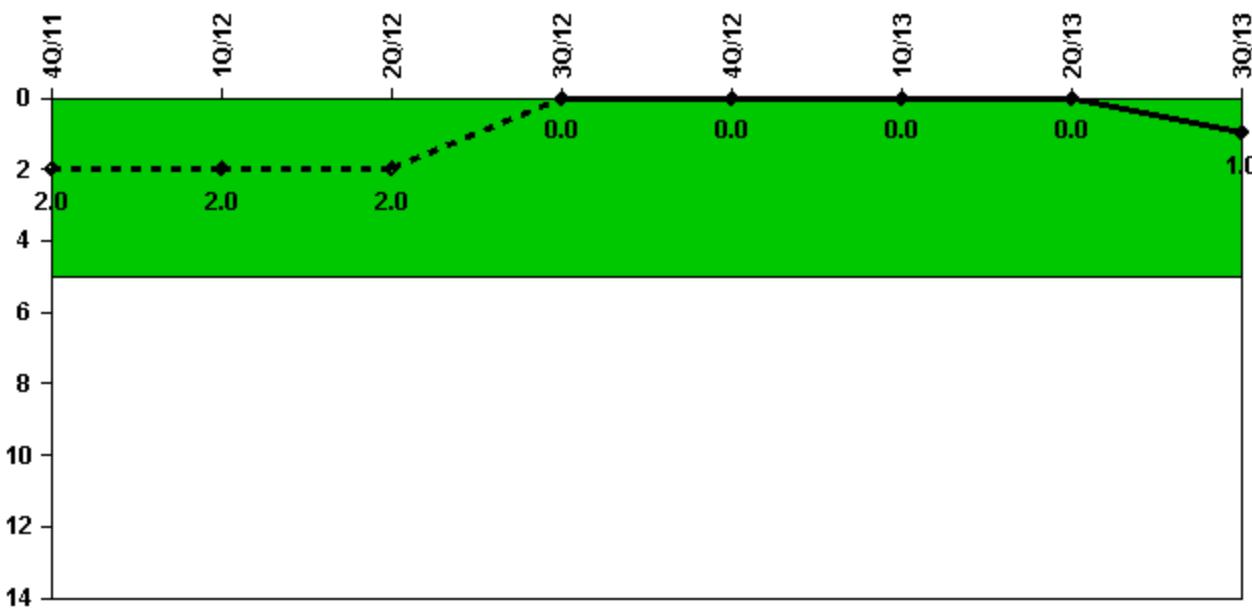
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



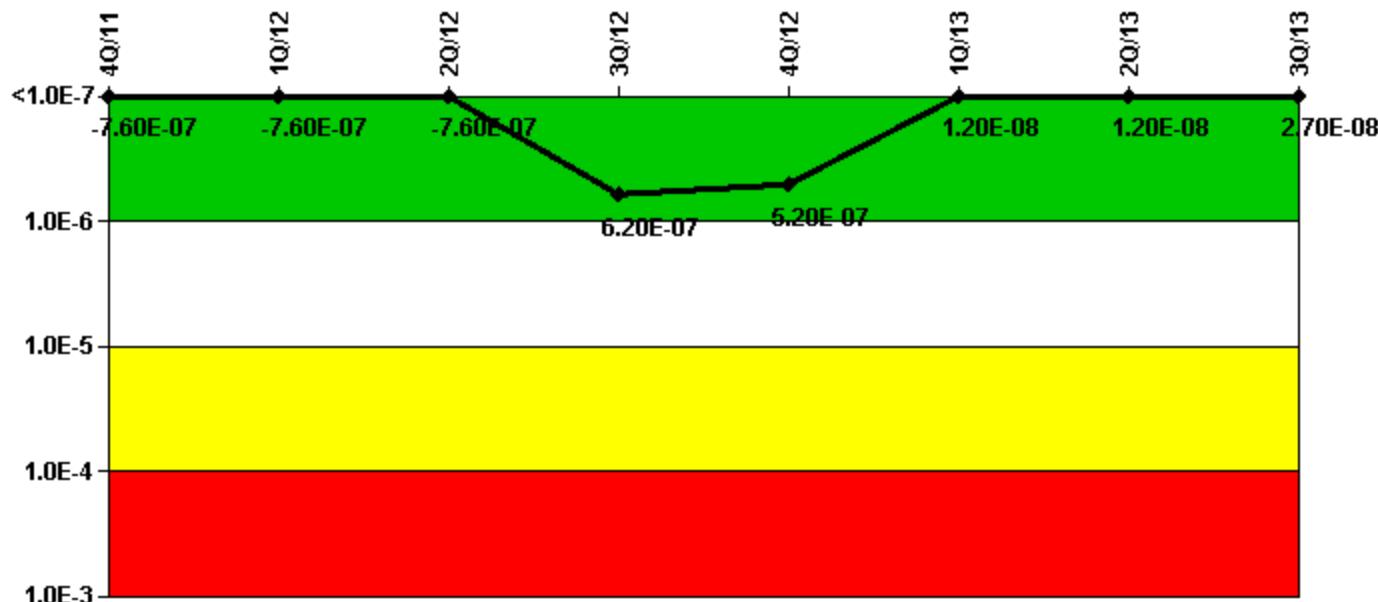
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Safety System Functional Failures	0	0	0	0	0	0	0	1
Indicator value	2	2	2	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	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	-9.69E-08	-9.69E-08	-9.69E-08	1.67E-07	2.75E-08	1.94E-08	1.94E-08	3.39E-08
URI (Δ CDF)	-6.60E-07	-6.60E-07	-6.60E-07	4.54E-07	4.91E-07	-7.19E-09	-7.19E-09	-7.19E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.60E-07	-7.60E-07	-7.60E-07	6.20E-07	5.20E-07	1.20E-08	1.20E-08	2.70E-08

Licensee Comments:

4Q/12: Risk Cap Invoked.

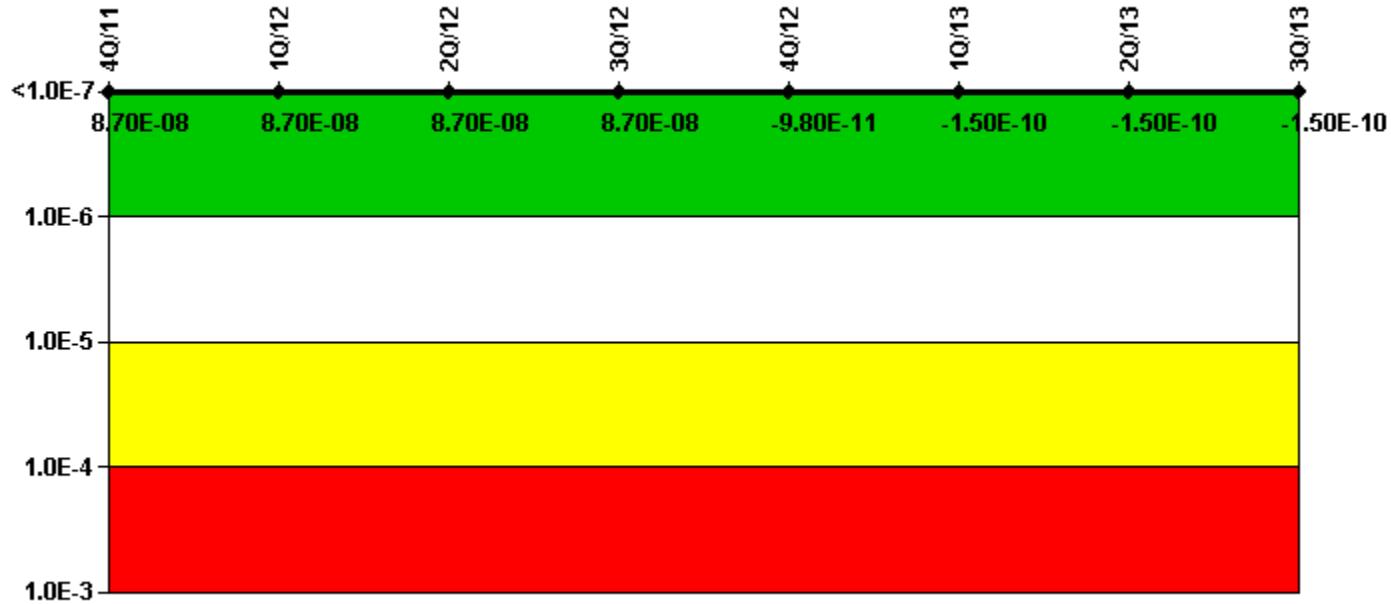
3Q/12: Risk Cap Invoked. 8/24/2012 - "A" DG Start/Demand Failure due to "A" DG exciter failed to flash. 63.1 hours of unplanned unavailability were accrued. CR-12-03599 9/19/2012 - "A" DG Start/Demand Failure due to "A" DG exciter failed to flash. 111.3 hours of unplanned unavailability were accrued. CR-12-03998 Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

4Q/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	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	-7.06E-09	-7.06E-09	-7.06E-09	-7.06E-09	-2.14E-09	-2.33E-09	-2.33E-09	-2.33E-09
URI (Δ CDF)	9.43E-08	9.43E-08	9.43E-08	9.43E-08	2.04E-09	2.17E-09	2.17E-09	2.17E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.70E-08	8.70E-08	8.70E-08	8.70E-08	-9.80E-11	-1.50E-10	-1.50E-10	-1.50E-10

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

Mitigating Systems Performance Index, Heat Removal System



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

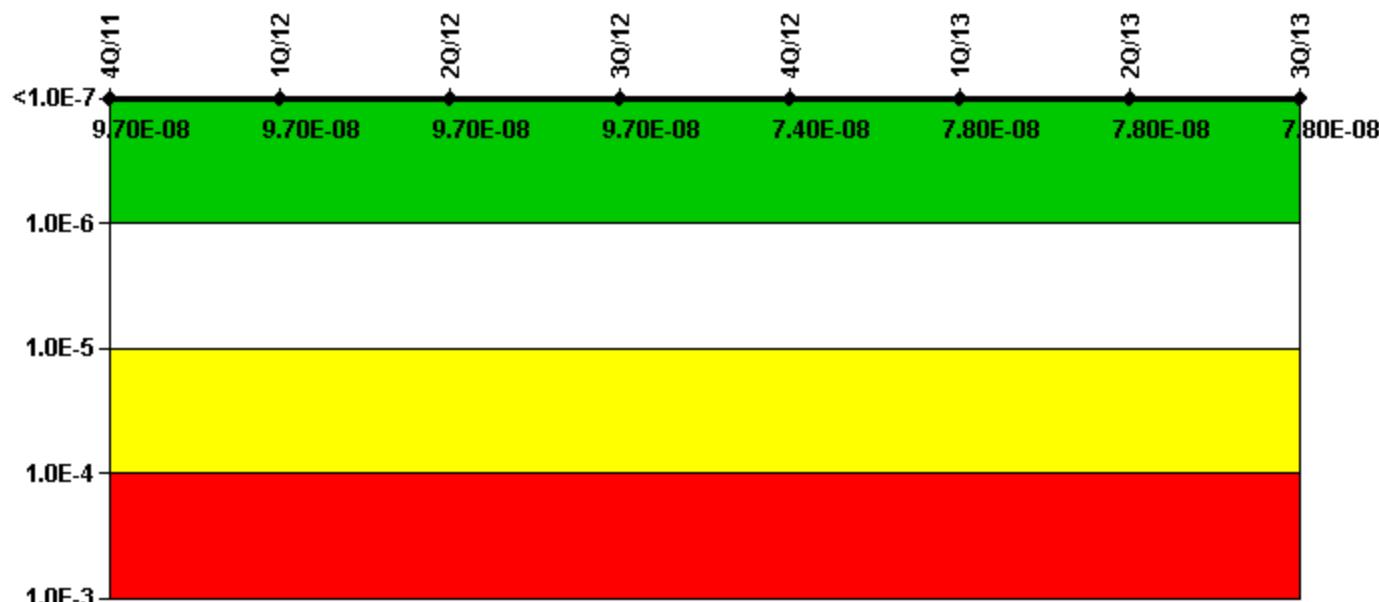
Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	-2.11E-08	-2.11E-08	-2.11E-08	-1.97E-08	-2.03E-08	-1.38E-08	-1.39E-08	-1.41E-08
URI (Δ CDF)	-1.17E-07	-1.17E-07	-1.17E-07	-1.17E-07	-1.23E-07	-1.55E-07	-1.55E-07	-1.55E-07
PLE	NO							
Indicator value	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.70E-07	-1.70E-07	-1.70E-07

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

Mitigating Systems Performance Index, Residual Heat Removal System



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

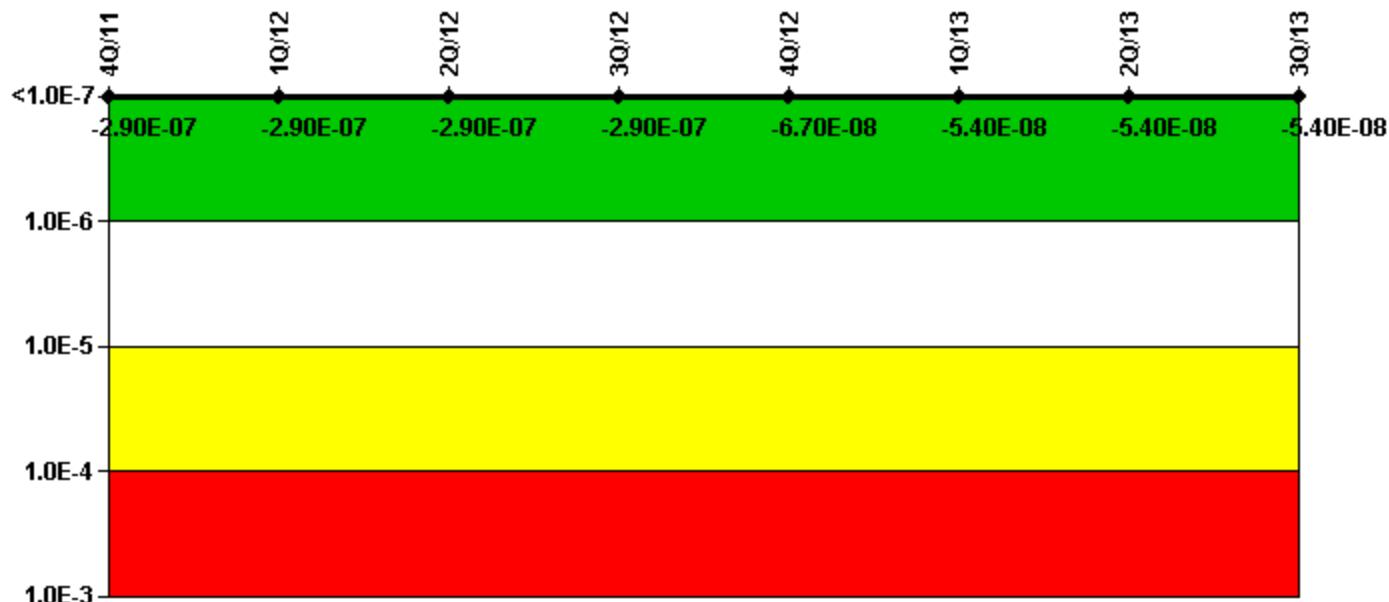
Notes

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 (Δ CDF)	-4.48E-09	-4.49E-09	-4.49E-09	-4.49E-09	-3.00E-09	-3.21E-09	-3.21E-09	-3.22E-09
URI (Δ CDF)	1.01E-07	1.01E-07	1.01E-07	1.01E-07	7.68E-08	8.08E-08	8.08E-08	8.08E-08
PLE	NO							
Indicator value	9.70E-08	9.70E-08	9.70E-08	9.70E-08	7.40E-08	7.80E-08	7.80E-08	7.80E-08

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

Mitigating Systems Performance Index, Cooling Water Systems



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

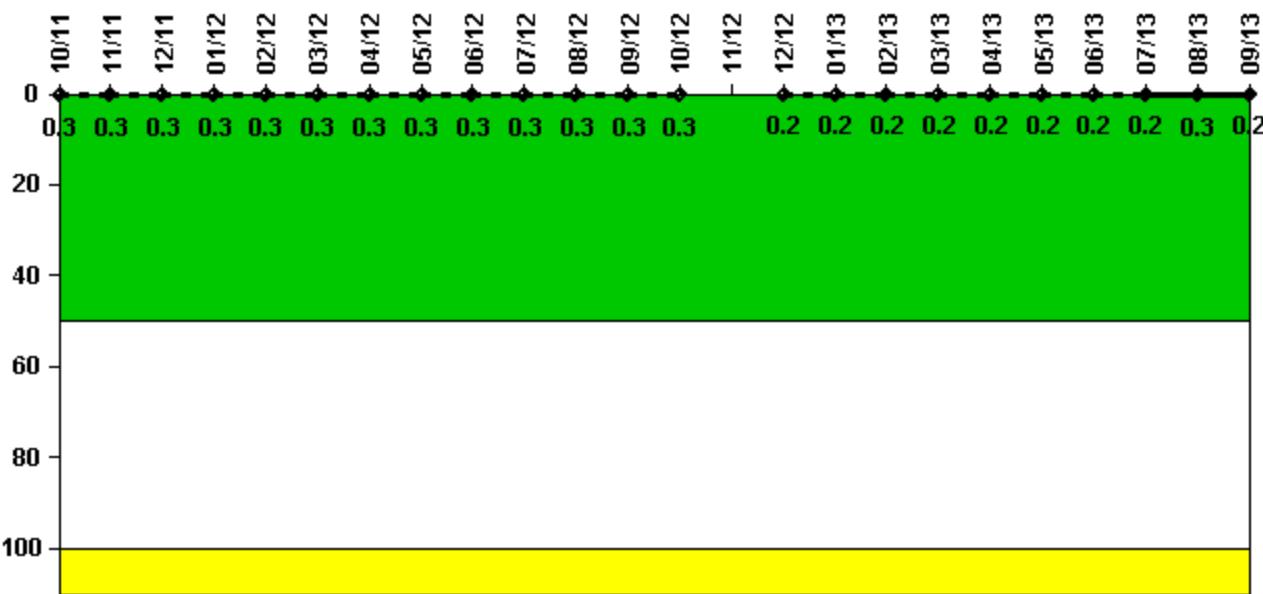
Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	-2.78E-08	-2.78E-08	-2.78E-08	-2.78E-08	-8.34E-09	-6.98E-09	-6.98E-09	-6.98E-09
URI (Δ CDF)	-2.58E-07	-2.58E-07	-2.58E-07	-2.58E-07	-5.85E-08	-4.66E-08	-4.66E-08	-4.66E-08
PLE	NO							
Indicator value	-2.90E-07	-2.90E-07	-2.90E-07	-2.90E-07	-6.70E-08	-5.40E-08	-5.40E-08	-5.40E-08

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

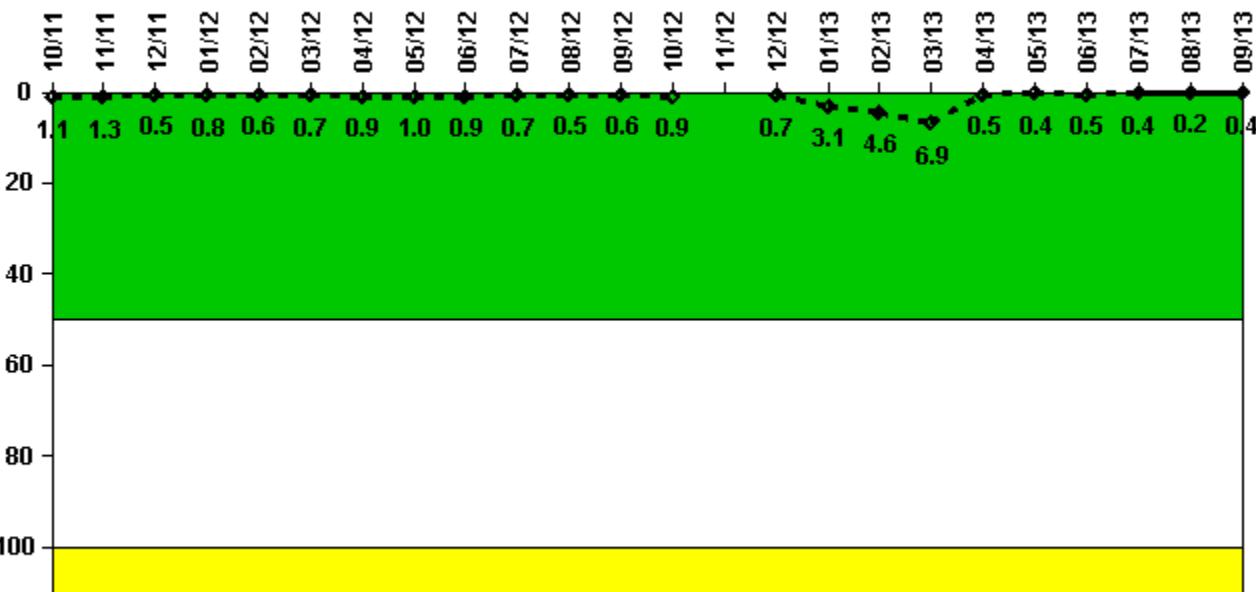
Notes

Reactor Coolant System Activity	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum activity	0.000155	0.000164	0.000161	0.000170	0.000170	0.000175	0.000171	0.000173	0.000179	0.000183	0.000185	0.000190
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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	0.000199	N/A	0.000096	0.000095	0.000094	0.000095	0.000102	0.000098	0.000111	0.000116	0.000206	0.000121
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.3	N/A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2

Licensee Comments:

12/12: The plant was shutdown for a scheduled refueling outage for the entire month of November 2012.

Reactor Coolant System Leakage



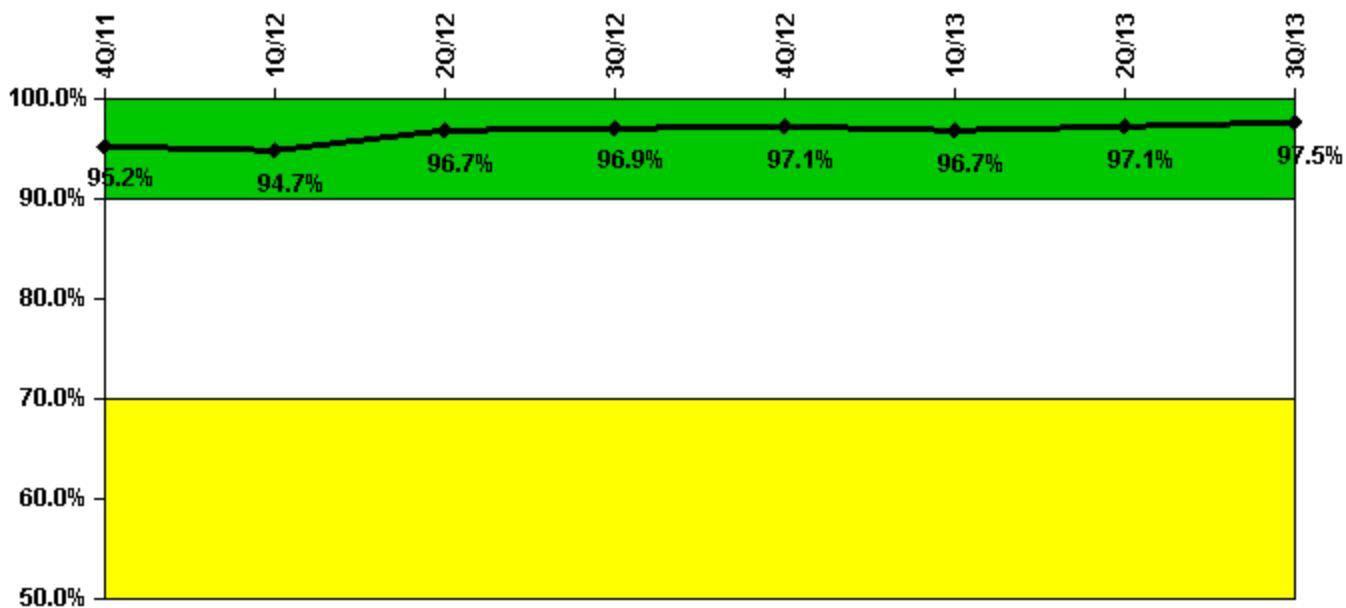
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum leakage	0.110	0.130	0.050	0.080	0.060	0.070	0.090	0.100	0.090	0.070	0.050	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.1	1.3	0.5	0.8	0.6	0.7	0.9	1.0	0.9	0.7	0.5	0.6
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	0.090	N/A	0.070	0.310	0.460	0.690	0.050	0.040	0.050	0.040	0.020	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	N/A	0.7	3.1	4.6	6.9	0.5	0.4	0.5	0.4	0.2	0.4

Licensee Comments:

12/12: The plant was shutdown for a scheduled refueling outage for the entire month of November 2012.

Drill/Exercise Performance

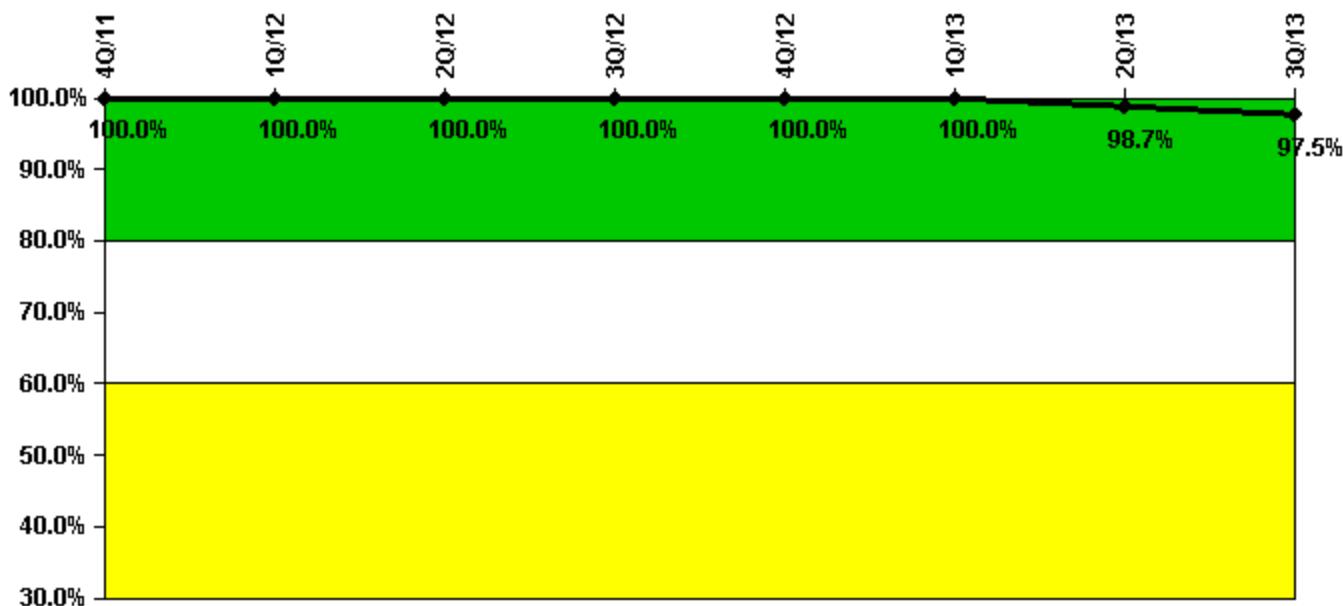
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful opportunities	46.0	54.0	56.0	43.0	16.0	30.0	88.0	62.0
Total opportunities	46.0	58.0	56.0	44.0	16.0	32.0	90.0	63.0
Indicator value	95.2%	94.7%	96.7%	96.9%	97.1%	96.7%	97.1%	97.5%

Licensee Comments: none

ERO Drill Participation



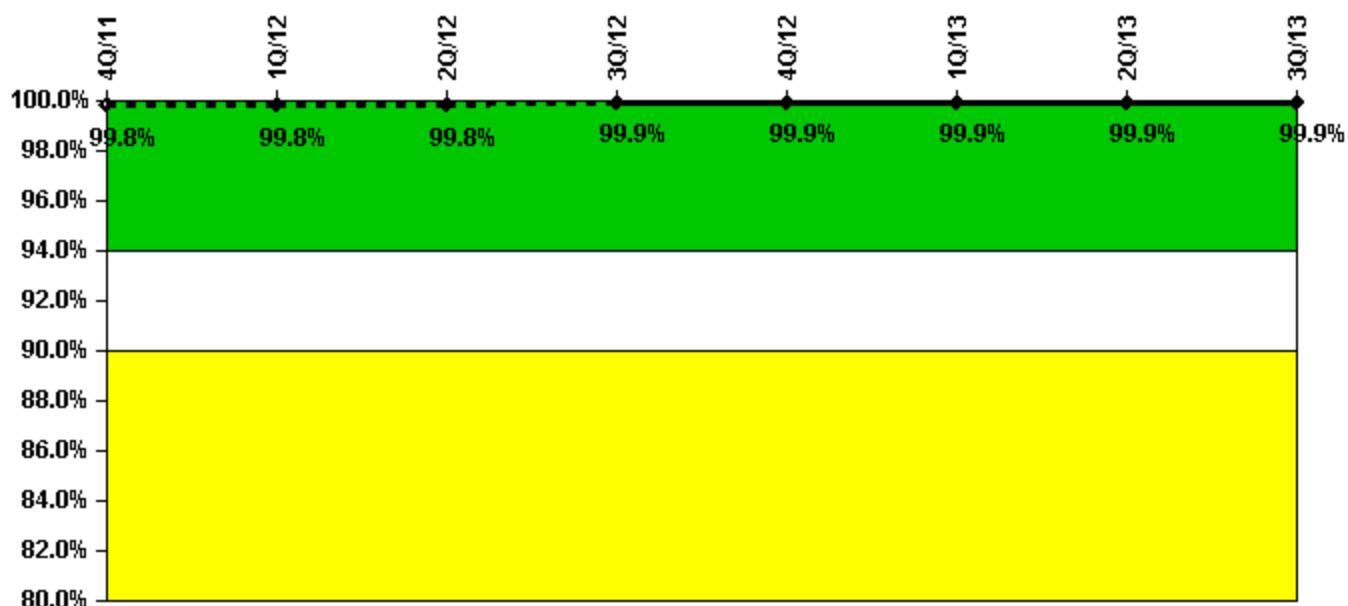
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Participating Key personnel	79.0	80.0	75.0	74.0	75.0	75.0	75.0	78.0
Total Key personnel	79.0	80.0	75.0	74.0	75.0	75.0	76.0	80.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	98.7%	97.5%

Licensee Comments: none

Alert & Notification System



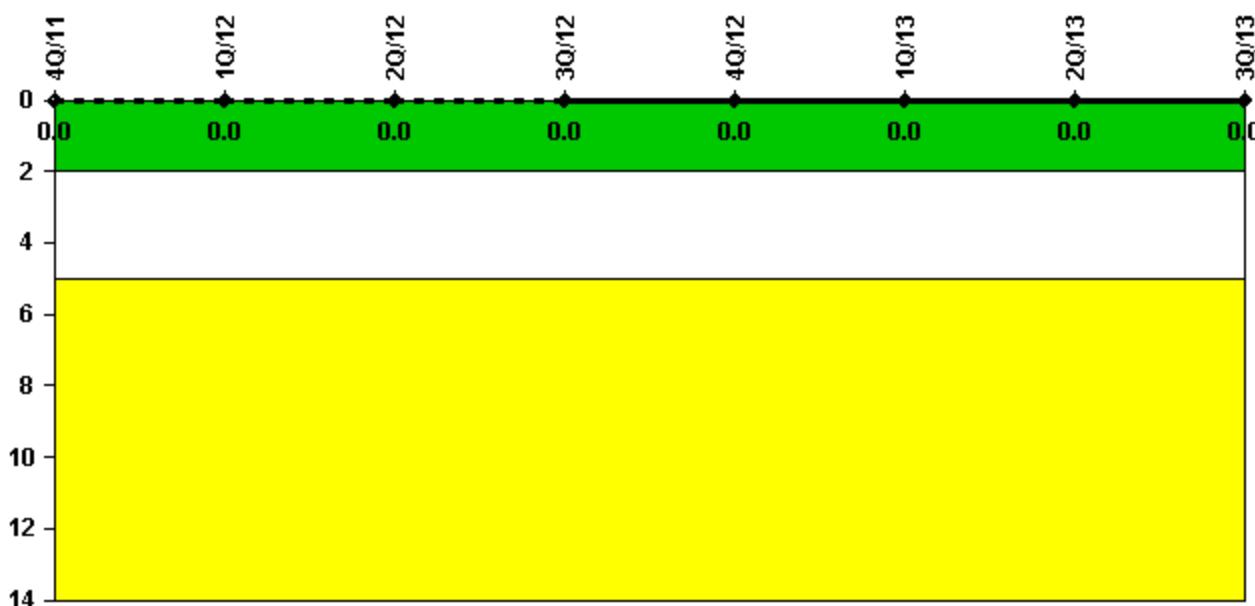
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful siren-tests	742	846	742	847	848	741	742	847
Total sirens-tests	742	848	742	848	848	742	742	848
Indicator value	99.8%	99.8%	99.8%	99.9%	99.9%	99.9%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



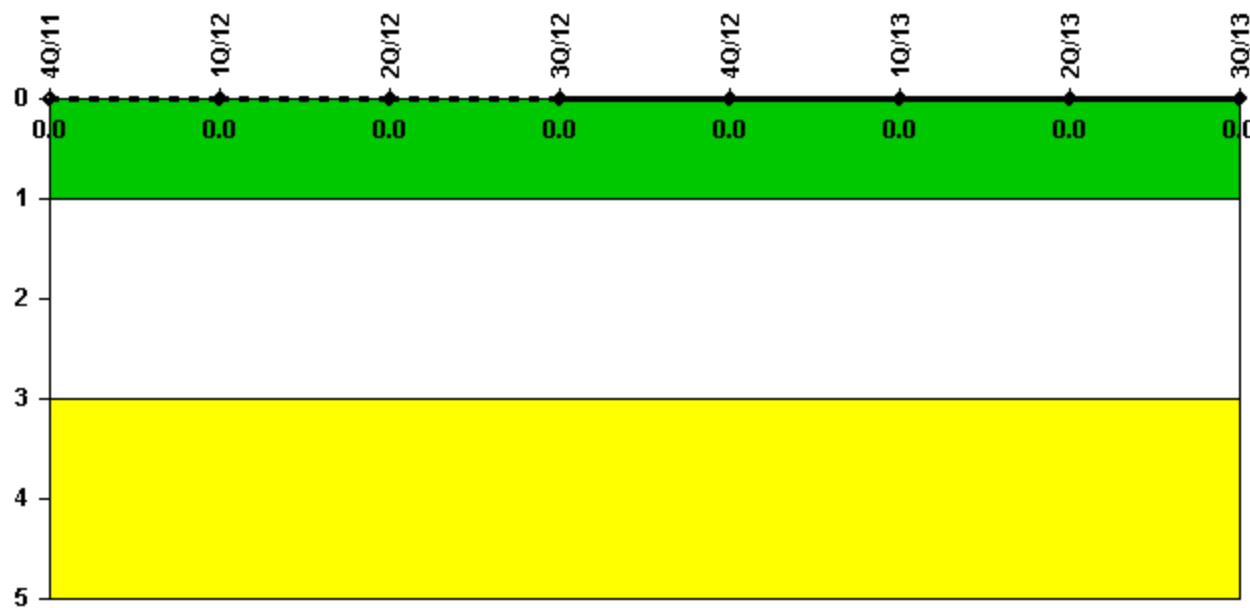
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



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							

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

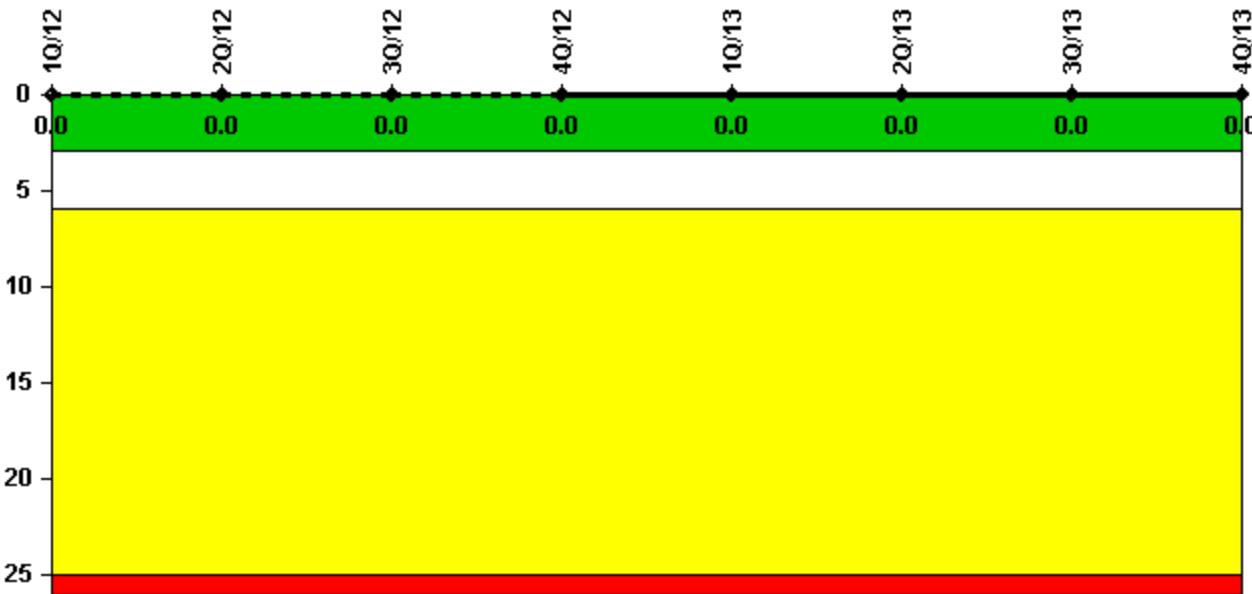
Summer

4Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



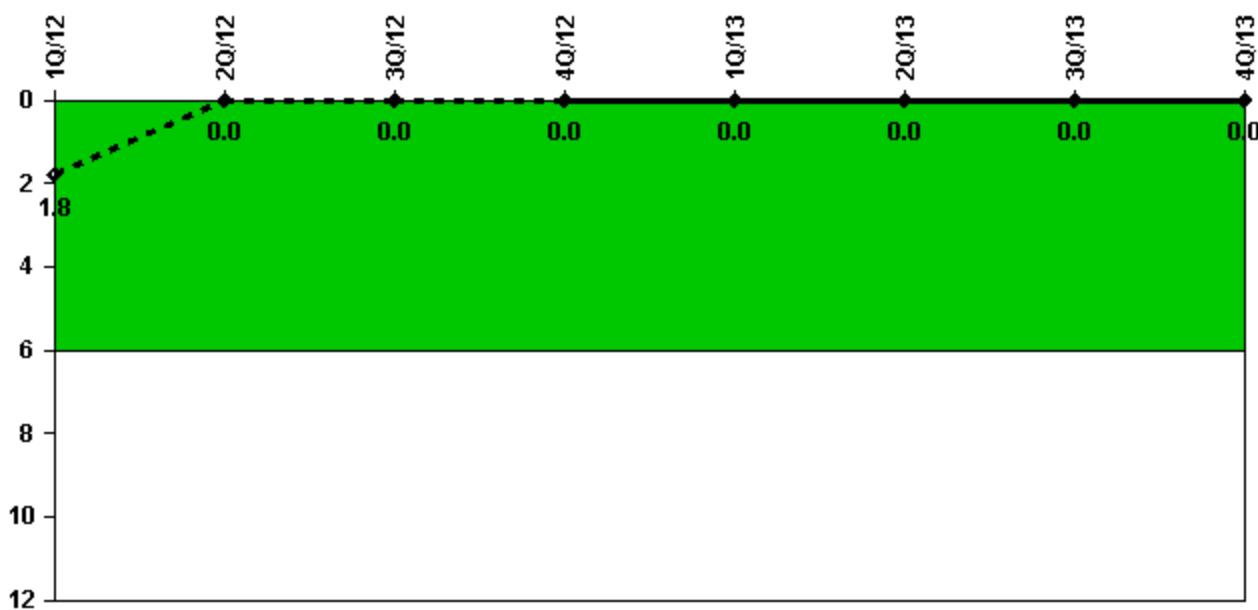
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2184.0	2208.0	915.7	1944.9	2157.1	2208.0	2209.0
Indicator value	0							

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



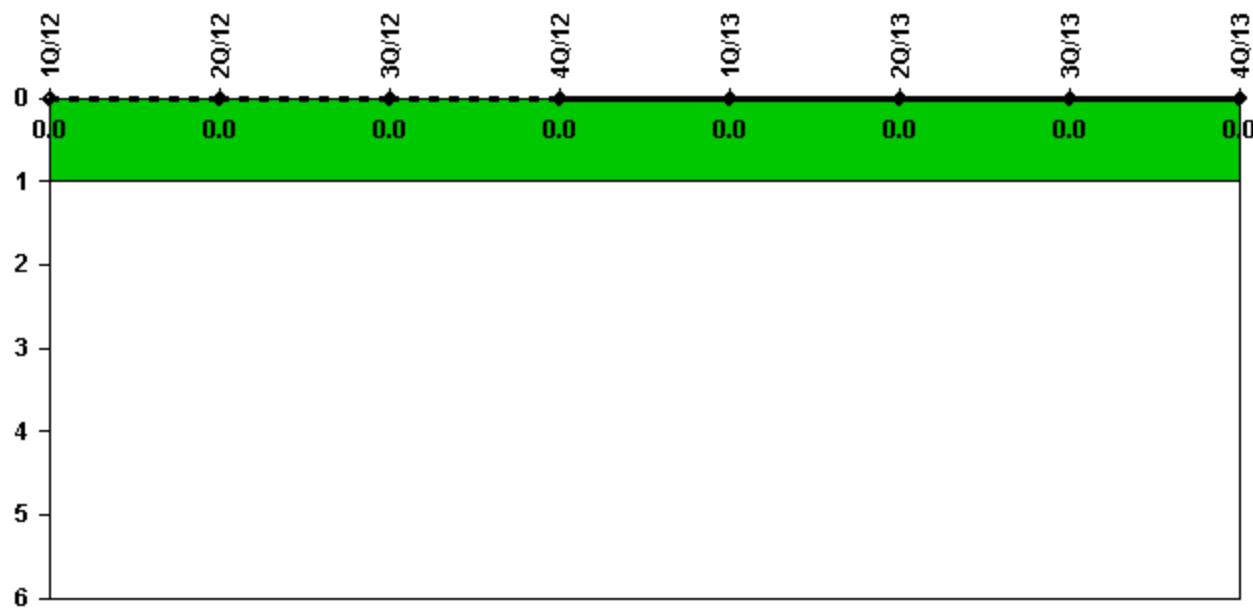
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2183.0	2184.0	2208.0	915.7	1944.9	2157.1	2208.0	2209.0
Indicator value	1.8	0						

Licensee Comments: none

Unplanned Scrams with Complications



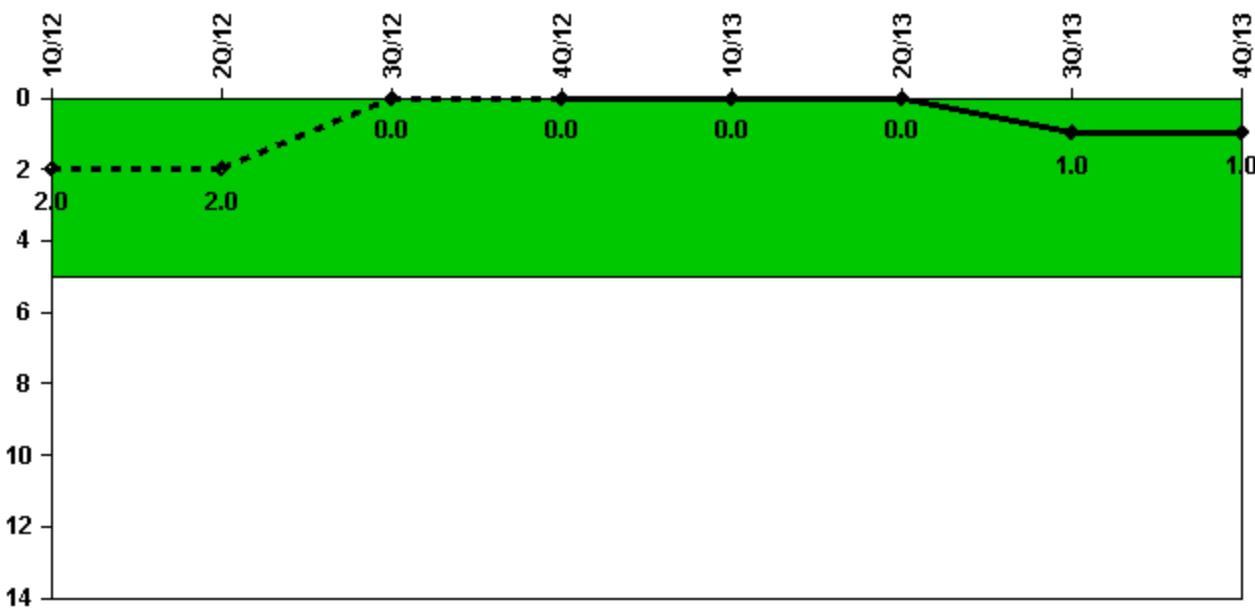
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



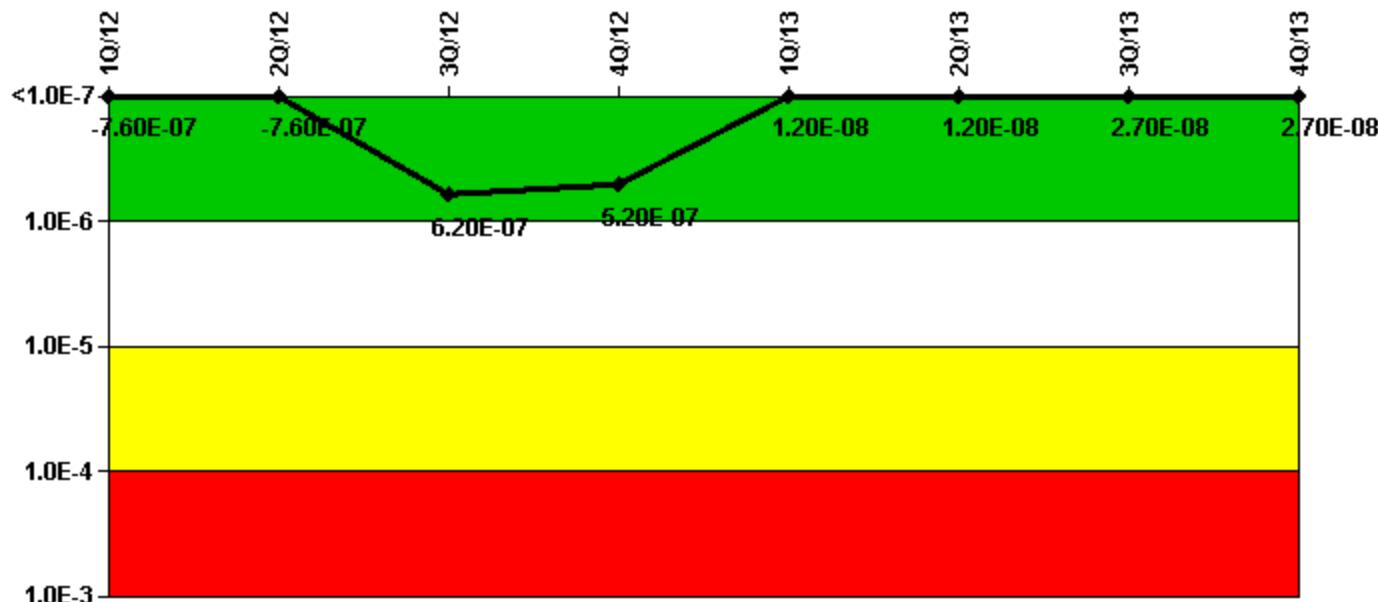
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Safety System Functional Failures	0	0	0	0	0	0	1	0
Indicator value	2	2	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	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	-9.69E-08	-9.69E-08	1.67E-07	2.75E-08	1.94E-08	1.94E-08	3.39E-08	3.39E-08
URI (Δ CDF)	-6.60E-07	-6.60E-07	4.54E-07	4.91E-07	-7.19E-09	-7.19E-09	-7.19E-09	-7.19E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.60E-07	-7.60E-07	6.20E-07	5.20E-07	1.20E-08	1.20E-08	2.70E-08	2.70E-08

Licensee Comments:

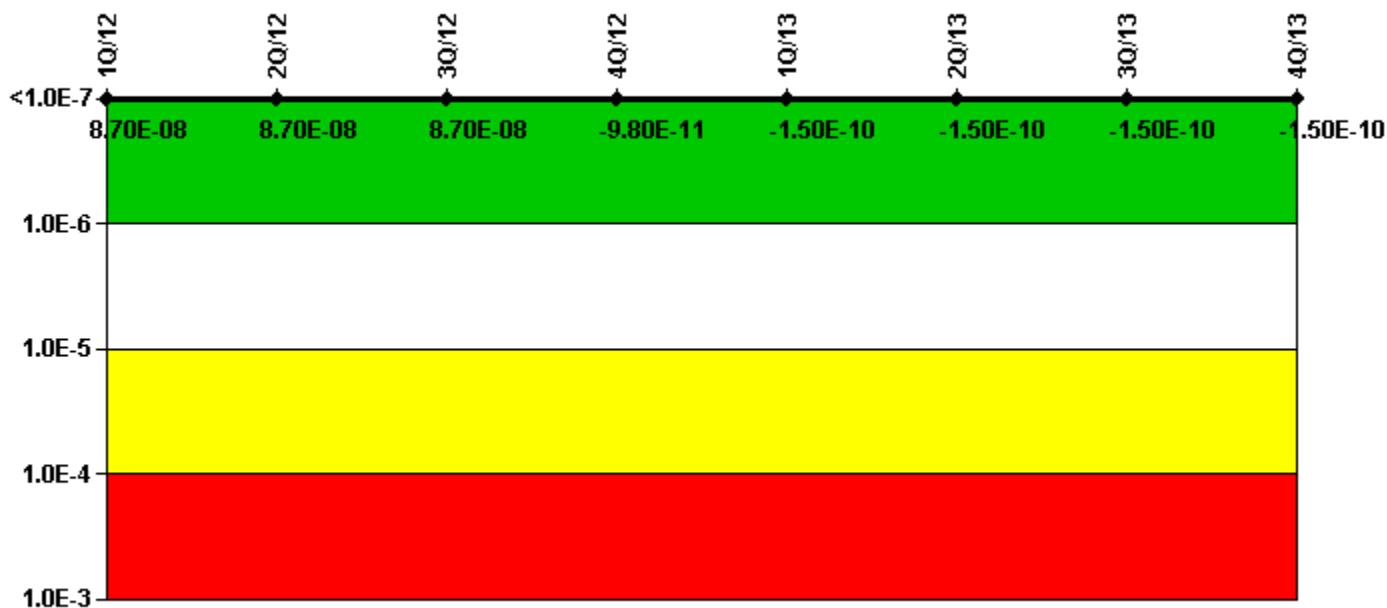
4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked. 8/24/2012 - "A" DG Start/Demand Failure due to "A" DG exciter failed to flash. 63.1 hours of unplanned unavailability were accrued. CR-12-03599 9/19/2012 - "A" DG Start/Demand Failure due to "A" DG exciter failed to flash. 111.3 hours of unplanned unavailability were accrued. CR-12-03998 Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

2Q/12: Risk Cap Invoked.

1Q/12: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



Thresholds: White > $1.00\text{E-}6$ Yellow > $1.00\text{E-}5$ Red > $1.00\text{E-}4$

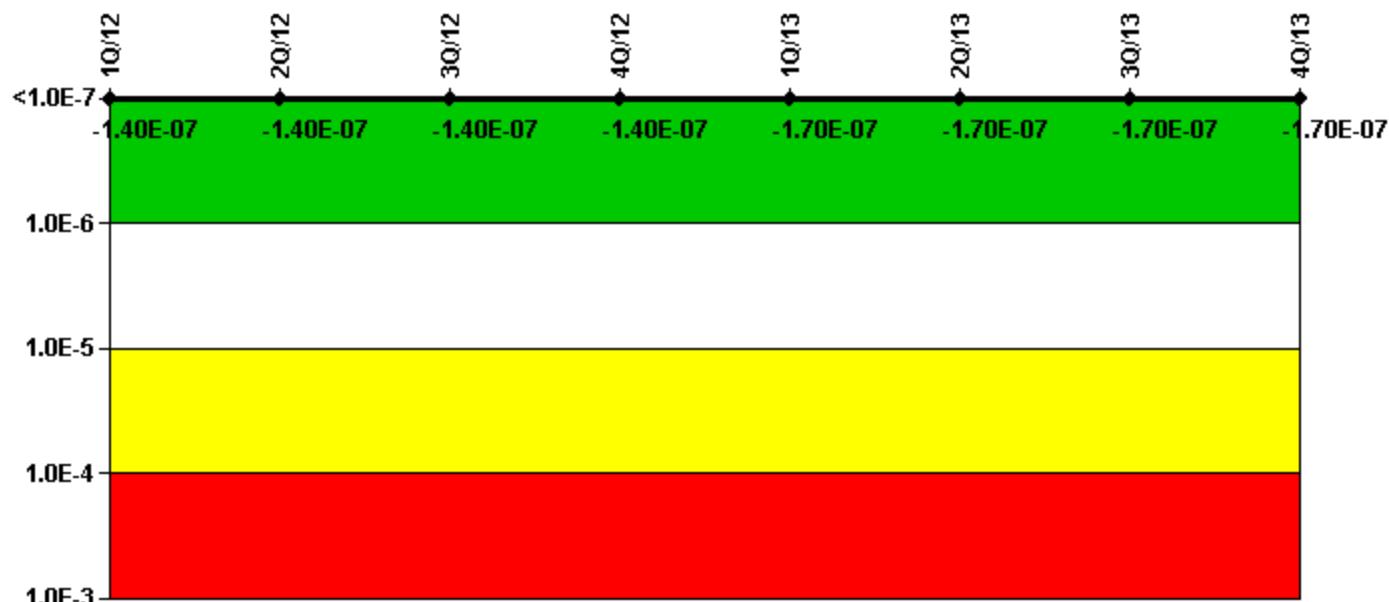
Notes

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 (Δ CDF)	-7.06E-09	-7.06E-09	-7.06E-09	-2.14E-09	-2.33E-09	-2.33E-09	-2.33E-09	-2.33E-09
URI (Δ CDF)	9.43E-08	9.43E-08	9.43E-08	2.04E-09	2.17E-09	2.17E-09	2.17E-09	2.17E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.70E-08	8.70E-08	8.70E-08	-9.80E-11	-1.50E-10	-1.50E-10	-1.50E-10	-1.50E-10

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

Mitigating Systems Performance Index, Heat Removal System



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

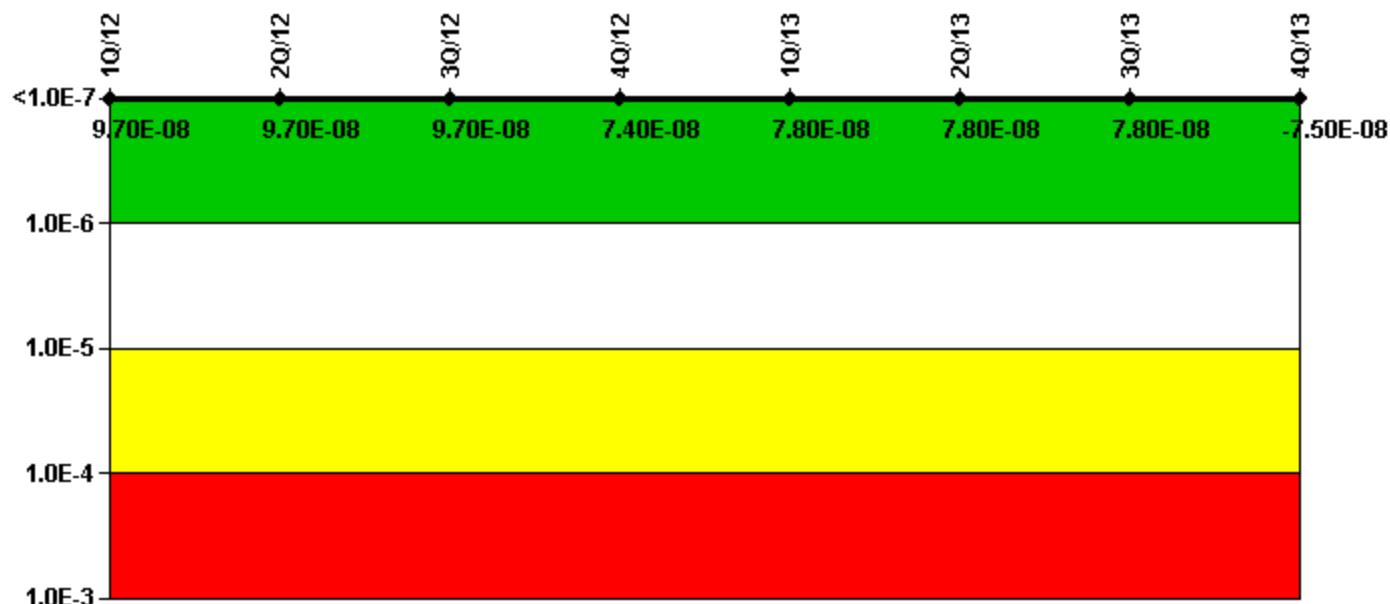
Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	-2.11E-08	-2.11E-08	-1.97E-08	-2.03E-08	-1.38E-08	-1.39E-08	-1.41E-08	-1.45E-08
URI (Δ CDF)	-1.17E-07	-1.17E-07	-1.17E-07	-1.23E-07	-1.55E-07	-1.55E-07	-1.55E-07	-1.55E-07
PLE	NO							
Indicator value	-1.40E-07	-1.40E-07	-1.40E-07	-1.40E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

Mitigating Systems Performance Index, Residual Heat Removal System



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

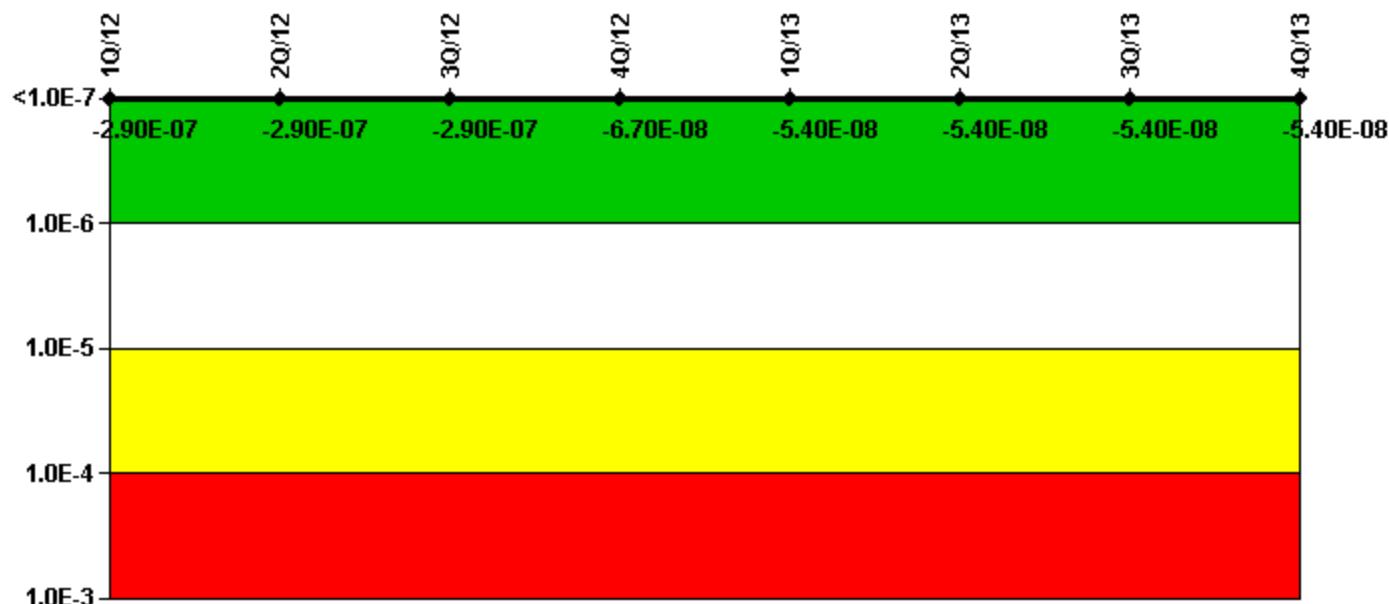
Notes

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 (Δ CDF)	-4.49E-09	-4.49E-09	-4.49E-09	-3.00E-09	-3.21E-09	-3.21E-09	-3.22E-09	-8.66E-09
URI (Δ CDF)	1.01E-07	1.01E-07	1.01E-07	7.68E-08	8.08E-08	8.08E-08	8.08E-08	-6.66E-08
PLE	NO							
Indicator value	9.70E-08	9.70E-08	9.70E-08	7.40E-08	7.80E-08	7.80E-08	7.80E-08	-7.50E-08

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

Mitigating Systems Performance Index, Cooling Water Systems



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

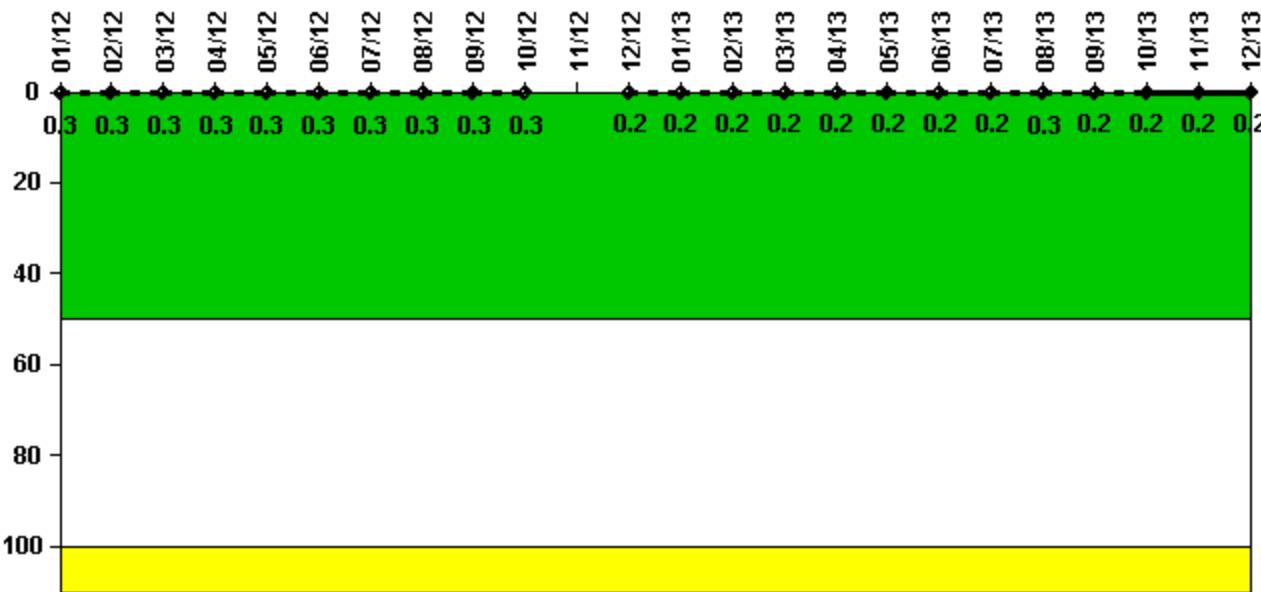
Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	-2.78E-08	-2.78E-08	-2.78E-08	-8.34E-09	-6.98E-09	-6.98E-09	-6.98E-09	-6.98E-09
URI (Δ CDF)	-2.58E-07	-2.58E-07	-2.58E-07	-5.85E-08	-4.66E-08	-4.66E-08	-4.66E-08	-4.66E-08
PLE	NO							
Indicator value	-2.90E-07	-2.90E-07	-2.90E-07	-6.70E-08	-5.40E-08	-5.40E-08	-5.40E-08	-5.40E-08

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

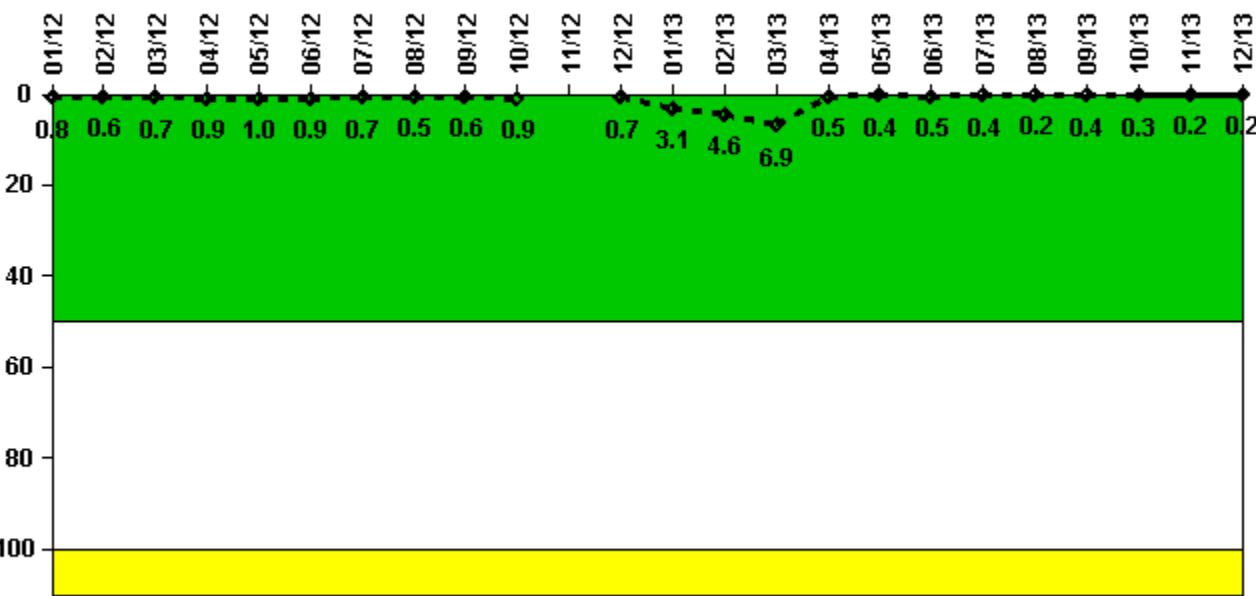
Notes

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	0.000170	0.000170	0.000175	0.000171	0.000173	0.000179	0.000183	0.000185	0.000190	0.000199	N/A	0.000096
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.3	N/A	0.2									
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	0.000095	0.000094	0.000095	0.000102	0.000098	0.000111	0.000116	0.000206	0.000121	0.000124	0.000122	0.000125
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	0.3	0.2	0.2	0.2	0.2						

Licensee Comments:

12/12: The plant was shutdown for a scheduled refueling outage for the entire month of November 2012.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

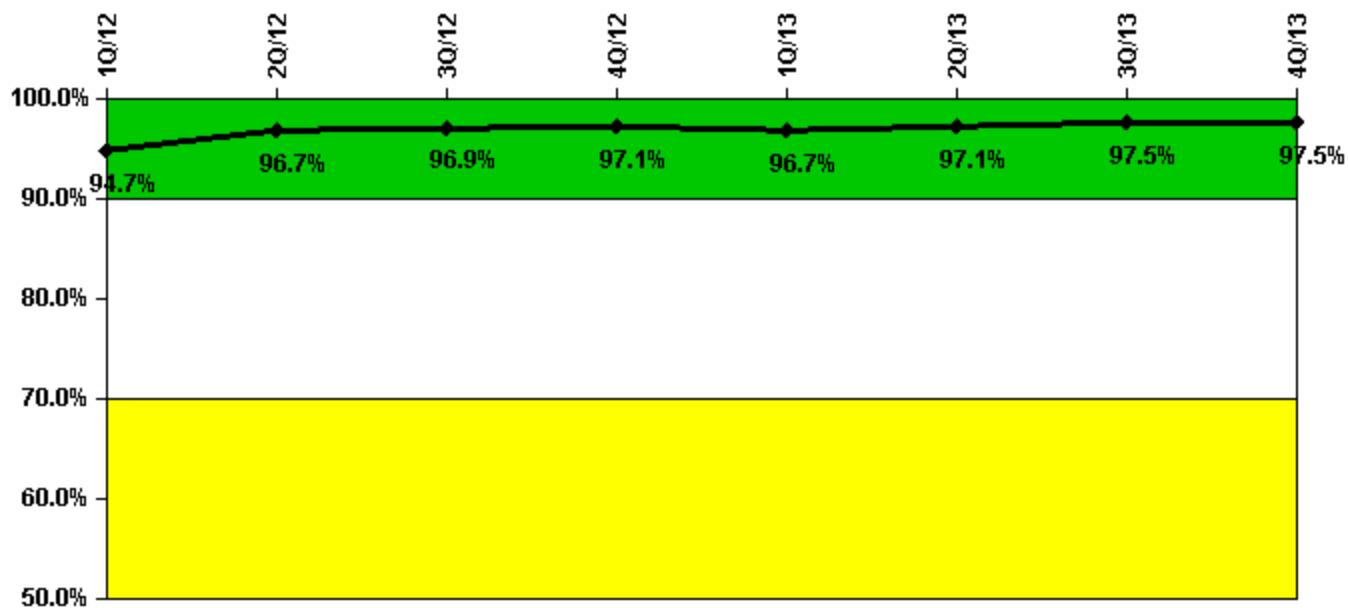
Notes

Reactor Coolant System Leakage	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum leakage	0.080	0.060	0.070	0.090	0.100	0.090	0.070	0.050	0.060	0.090	N/A	0.070
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.8	0.6	0.7	0.9	1.0	0.9	0.7	0.5	0.6	0.9	N/A	0.7
Reactor Coolant System Leakage	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum leakage	0.310	0.460	0.690	0.050	0.040	0.050	0.040	0.020	0.040	0.030	0.020	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	3.1	4.6	6.9	0.5	0.4	0.5	0.4	0.2	0.4	0.3	0.2	0.2

Licensee Comments:

12/12: The plant was shutdown for a scheduled refueling outage for the entire month of November 2012.

Drill/Exercise Performance



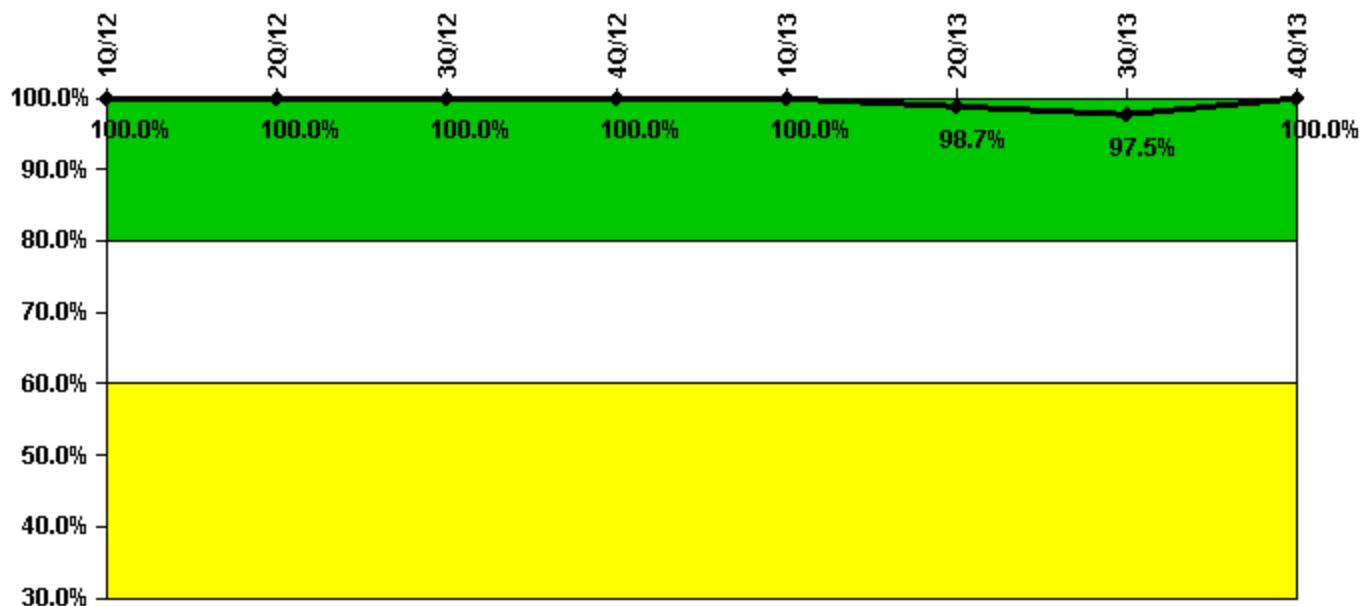
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful opportunities	54.0	56.0	43.0	16.0	30.0	88.0	62.0	45.0
Total opportunities	58.0	56.0	44.0	16.0	32.0	90.0	63.0	45.0
Indicator value	94.7%	96.7%	96.9%	97.1%	96.7%	97.1%	97.5%	97.5%

Licensee Comments: none

ERO Drill Participation



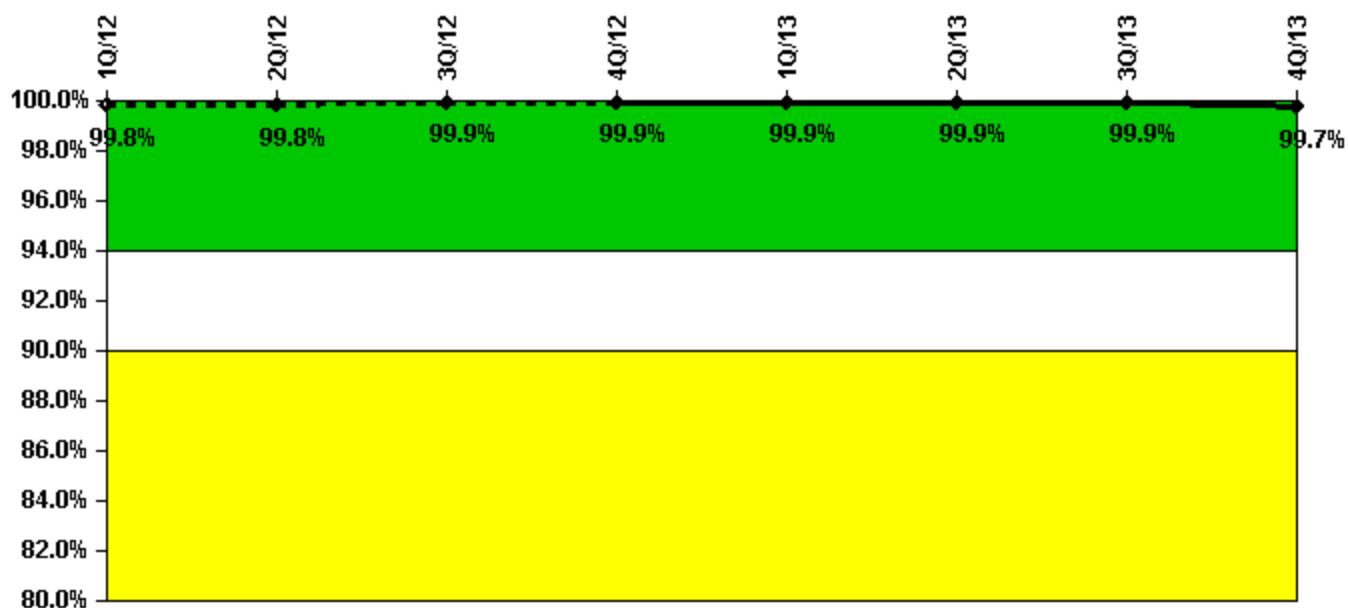
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Participating Key personnel	80.0	75.0	74.0	75.0	75.0	75.0	78.0	82.0
Total Key personnel	80.0	75.0	74.0	75.0	75.0	76.0	80.0	82.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	98.7%	97.5%	100.0%

Licensee Comments: none

Alert & Notification System



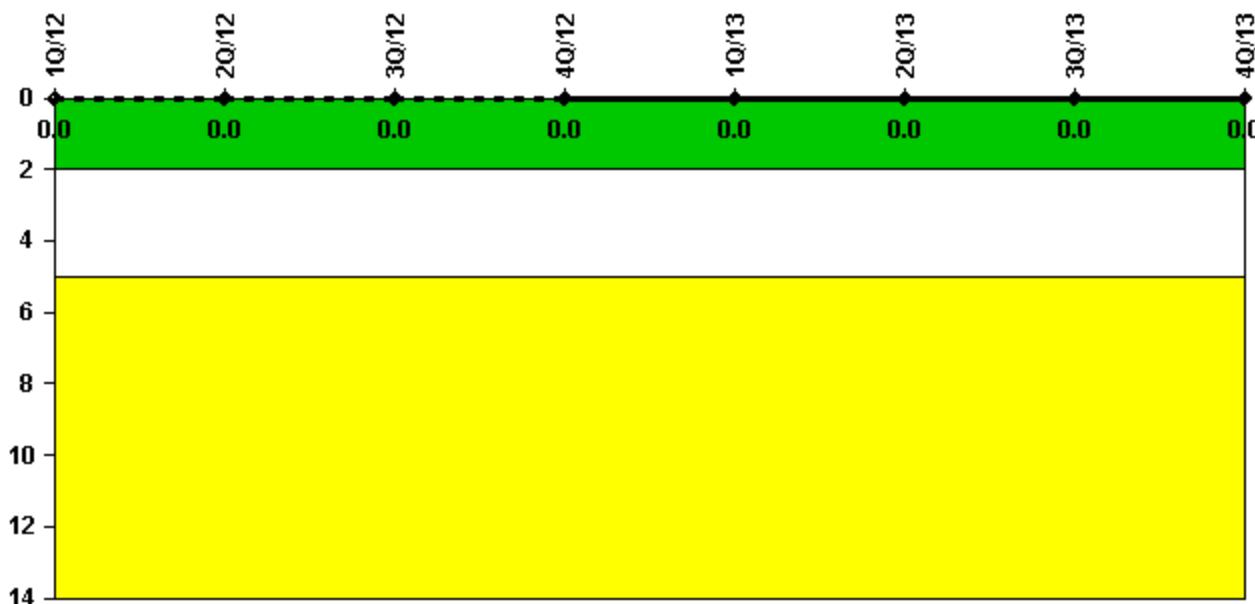
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful siren-tests	846	742	847	848	741	742	847	842
Total sirens-tests	848	742	848	848	742	742	848	848
Indicator value	99.8%	99.8%	99.9%	99.9%	99.9%	99.9%	99.9%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



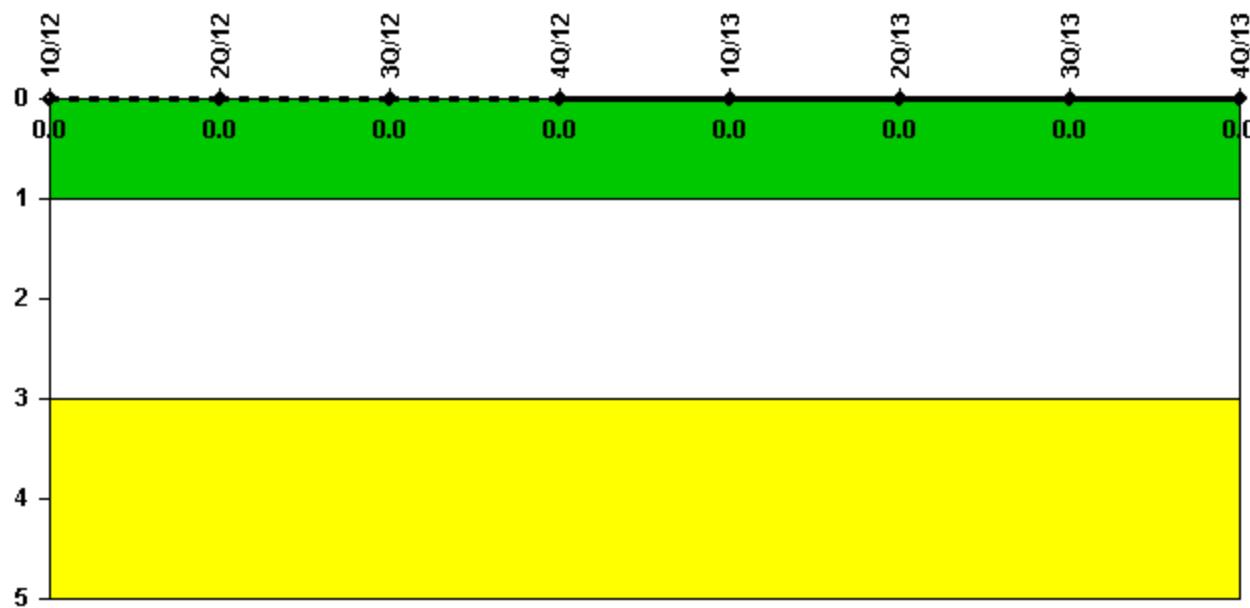
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



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							

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

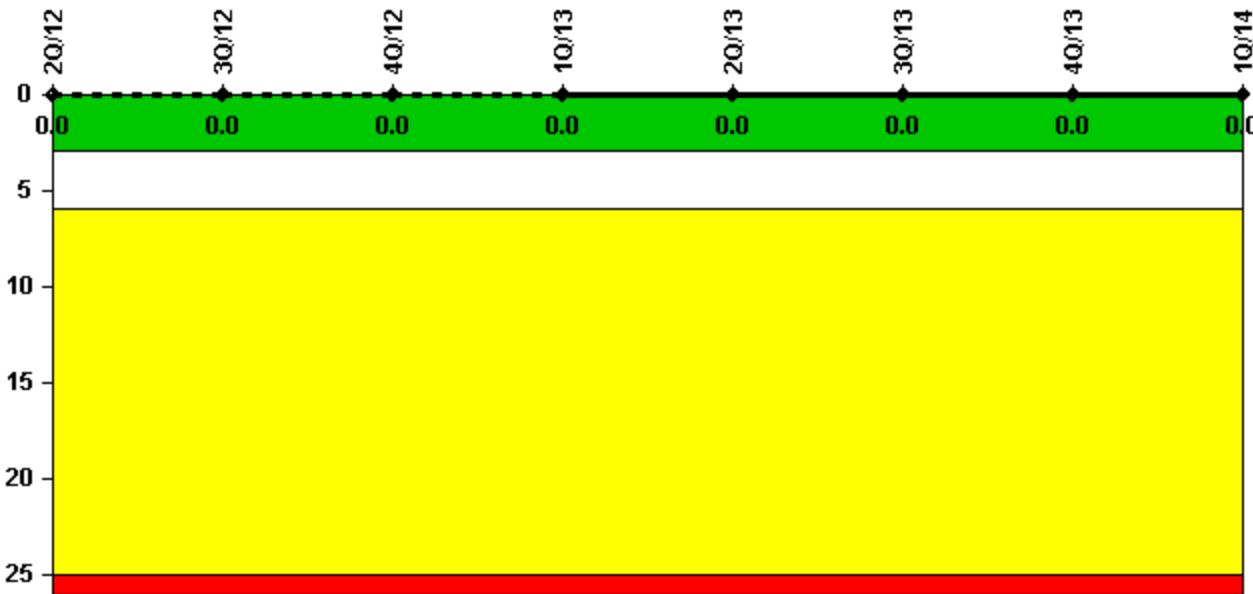
Summer

1Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



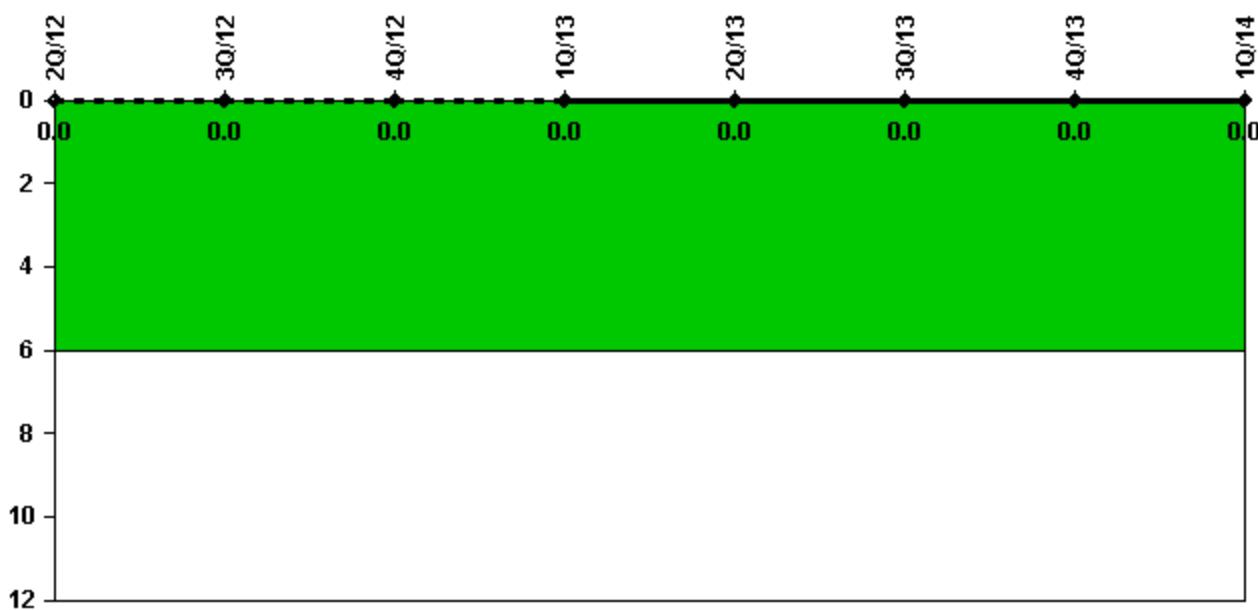
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	915.7	1944.9	2157.1	2208.0	2209.0	2159.0
Indicator value	0							

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



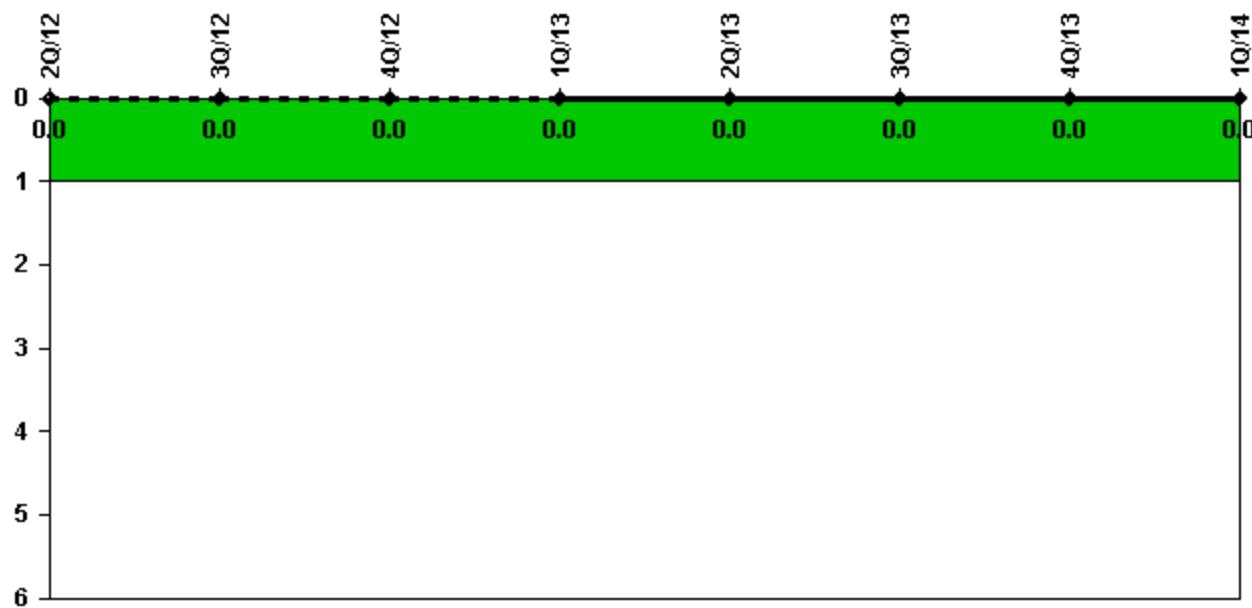
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	915.7	1944.9	2157.1	2208.0	2209.0	2159.0
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications



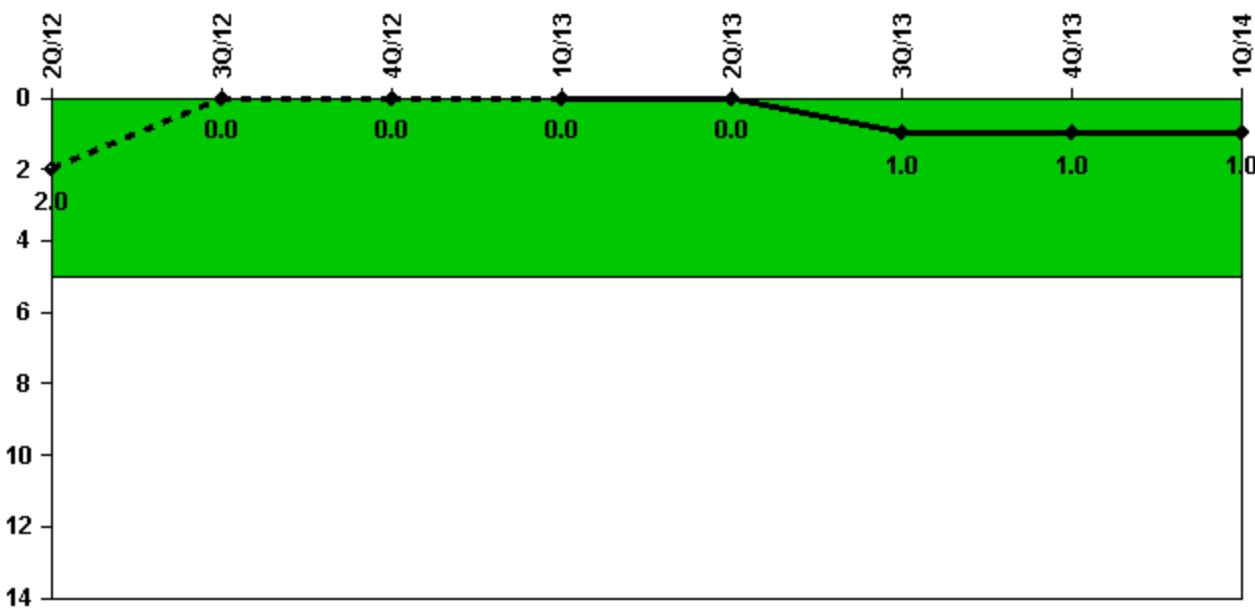
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



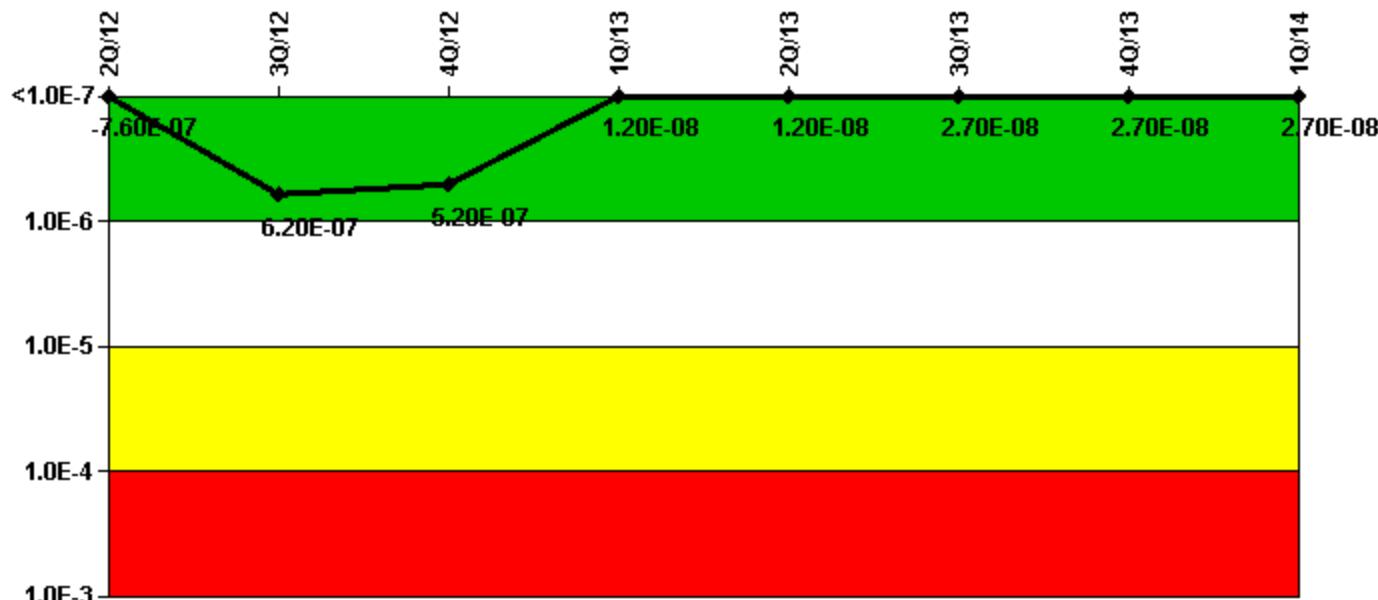
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Safety System Functional Failures	0	0	0	0	0	1	0	0
Indicator value	2	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	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (Δ CDF)	-9.69E-08	1.67E-07	2.75E-08	1.94E-08	1.94E-08	3.39E-08	3.39E-08	3.38E-08
URI (Δ CDF)	-6.60E-07	4.54E-07	4.91E-07	-7.19E-09	-7.19E-09	-7.19E-09	-7.19E-09	-7.19E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.60E-07	6.20E-07	5.20E-07	1.20E-08	1.20E-08	2.70E-08	2.70E-08	2.70E-08

Licensee Comments:

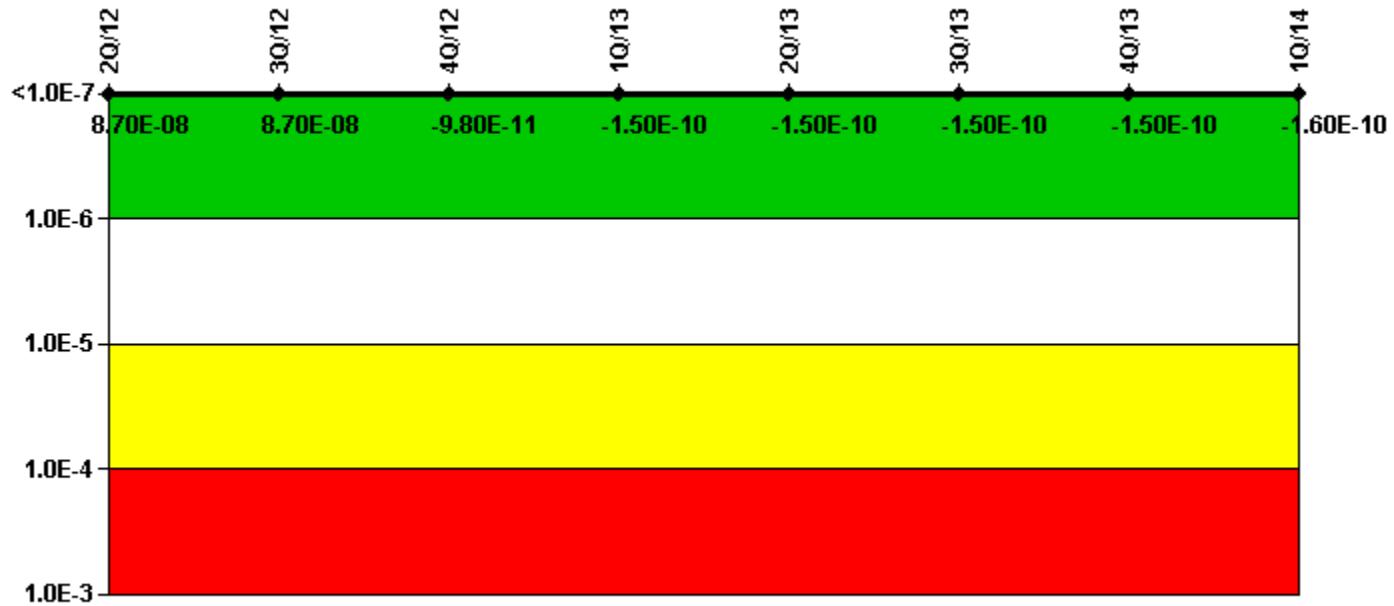
1Q/14: 3/5/2014 "A" DG was taken out of service for 36 hours 26 minutes for maintenance & repairs. 3/16/2014 - "B" DG taken out of service 140 hours 39 minutes for overhaul. 3/23/2014 - "B" DG taken out of service for 2 hours 2 minutes for Rocker Arm LO Filter replacement

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked. 8/24/2012 - "A" DG Start/Demand Failure due to "A" DG exciter failed to flash. 63.1 hours of unplanned unavailability were accrued. CR-12-03599 9/19/2012 - "A" DG Start/Demand Failure due to "A" DG exciter failed to flash. 111.3 hours of unplanned unavailability were accrued. CR-12-03998 Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

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 (Δ CDF)	-7.06E-09	-7.06E-09	-2.14E-09	-2.33E-09	-2.33E-09	-2.33E-09	-2.33E-09	-2.33E-09
URI (Δ CDF)	9.43E-08	9.43E-08	2.04E-09	2.17E-09	2.17E-09	2.17E-09	2.17E-09	2.17E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.70E-08	8.70E-08	-9.80E-11	-1.50E-10	-1.50E-10	-1.50E-10	-1.50E-10	-1.60E-10

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

Mitigating Systems Performance Index, Heat Removal System



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

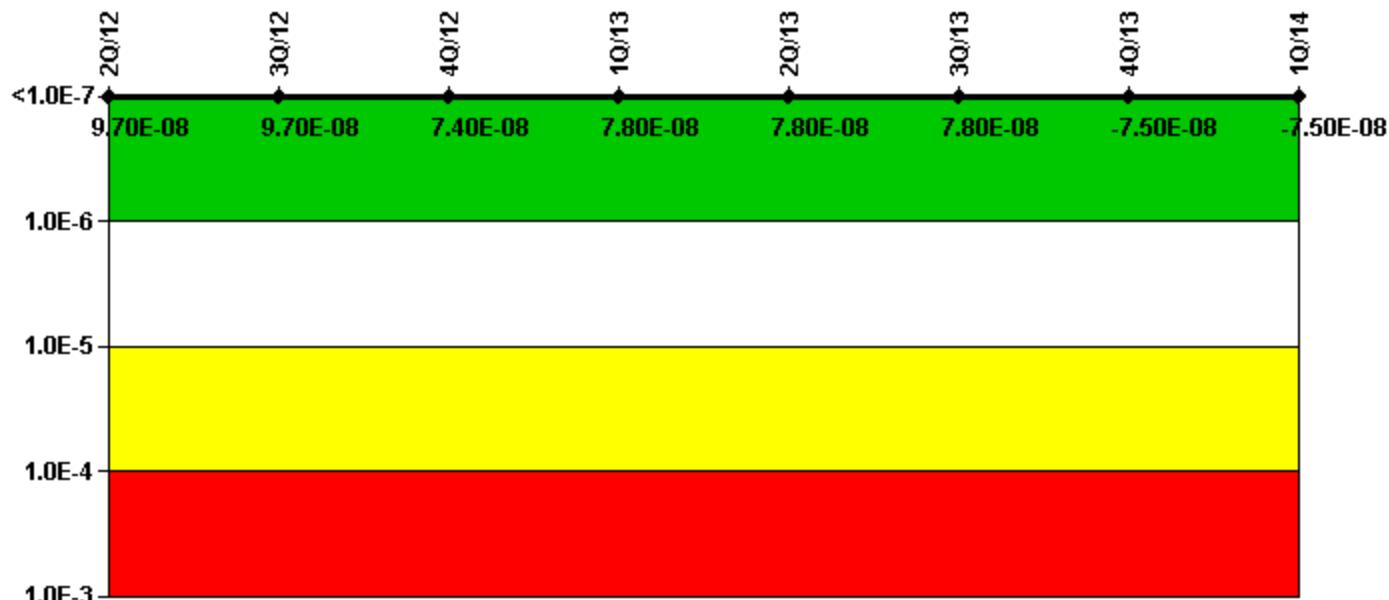
Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (Δ CDF)	-2.11E-08	-1.97E-08	-2.03E-08	-1.38E-08	-1.39E-08	-1.41E-08	-1.45E-08	-1.23E-08
URI (Δ CDF)	-1.17E-07	-1.17E-07	-1.23E-07	-1.55E-07	-1.55E-07	-1.55E-07	-1.55E-07	-1.55E-07
PLE	NO							
Indicator value	-1.40E-07	-1.40E-07	-1.40E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

Mitigating Systems Performance Index, Residual Heat Removal System



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

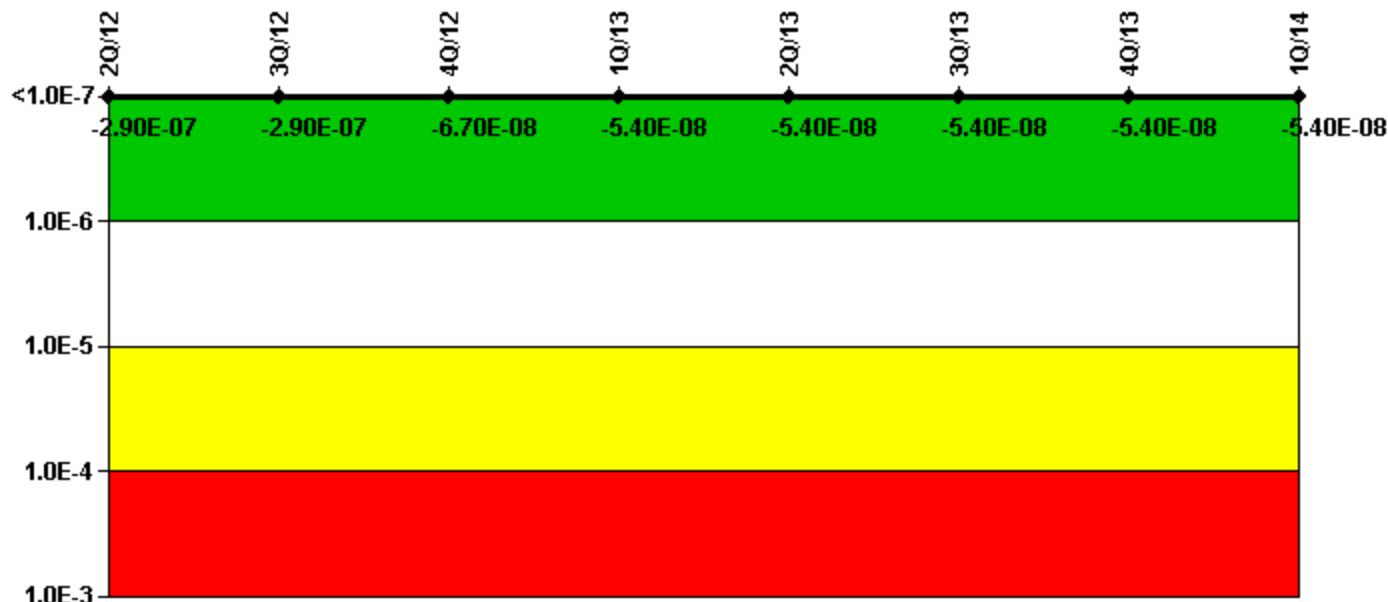
Notes

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 (Δ CDF)	-4.49E-09	-4.49E-09	-3.00E-09	-3.21E-09	-3.21E-09	-3.22E-09	-8.66E-09	-8.66E-09
URI (Δ CDF)	1.01E-07	1.01E-07	7.68E-08	8.08E-08	8.08E-08	8.08E-08	-6.66E-08	-6.66E-08
PLE	NO							
Indicator value	9.70E-08	9.70E-08	7.40E-08	7.80E-08	7.80E-08	7.80E-08	-7.50E-08	-7.50E-08

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

Mitigating Systems Performance Index, Cooling Water Systems



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

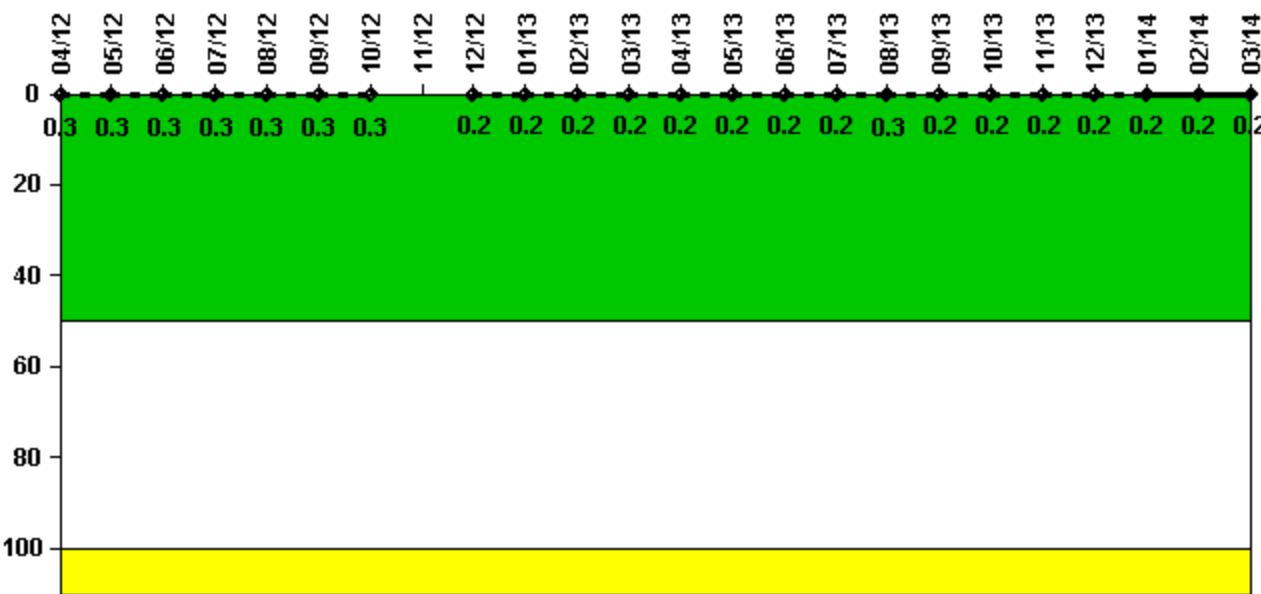
Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (Δ CDF)	-2.78E-08	-2.78E-08	-8.34E-09	-6.98E-09	-6.98E-09	-6.98E-09	-6.98E-09	-6.98E-09
URI (Δ CDF)	-2.58E-07	-2.58E-07	-5.85E-08	-4.66E-08	-4.66E-08	-4.66E-08	-4.66E-08	-4.66E-08
PLE	NO							
Indicator value	-2.90E-07	-2.90E-07	-6.70E-08	-5.40E-08	-5.40E-08	-5.40E-08	-5.40E-08	-5.40E-08

Licensee Comments:

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

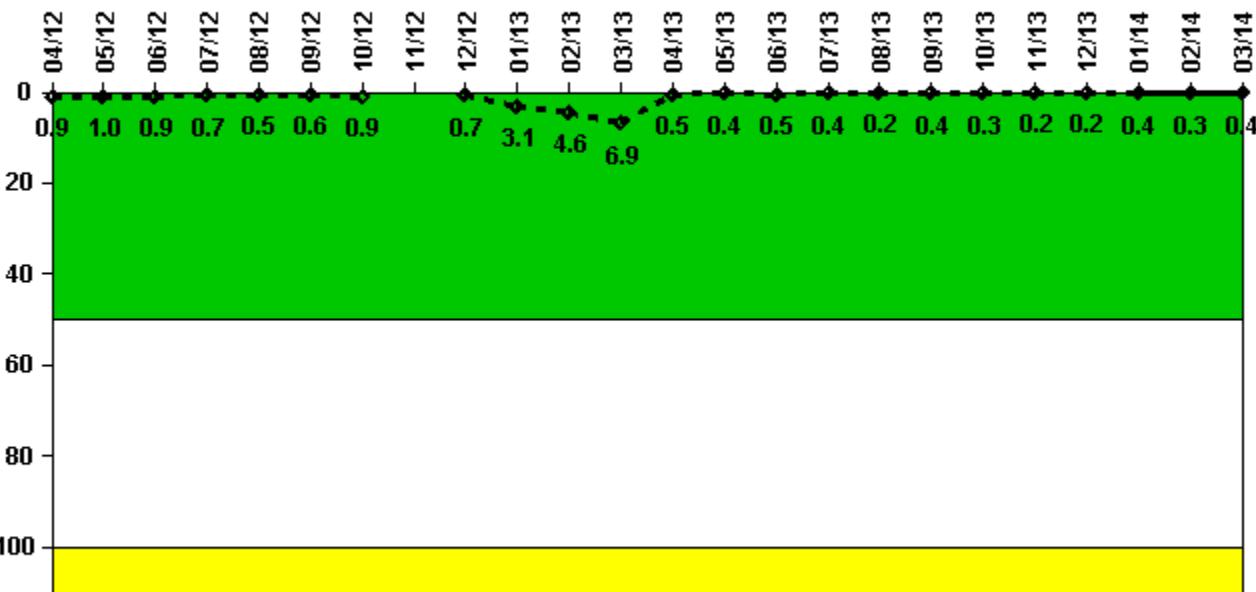
Notes

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	0.000171	0.000173	0.000179	0.000183	0.000185	0.000190	0.000199	N/A	0.000096	0.000095	0.000094	0.000095
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.3	N/A	0.2	0.2	0.2	0.2						
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	0.000102	0.000098	0.000111	0.000116	0.000206	0.000121	0.000124	0.000122	0.000125	0.000136	0.000141	0.000147
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	0.2	0.2	0.2	0.3	0.2						

Licensee Comments:

12/12: The plant was shutdown for a scheduled refueling outage for the entire month of November 2012.

Reactor Coolant System Leakage



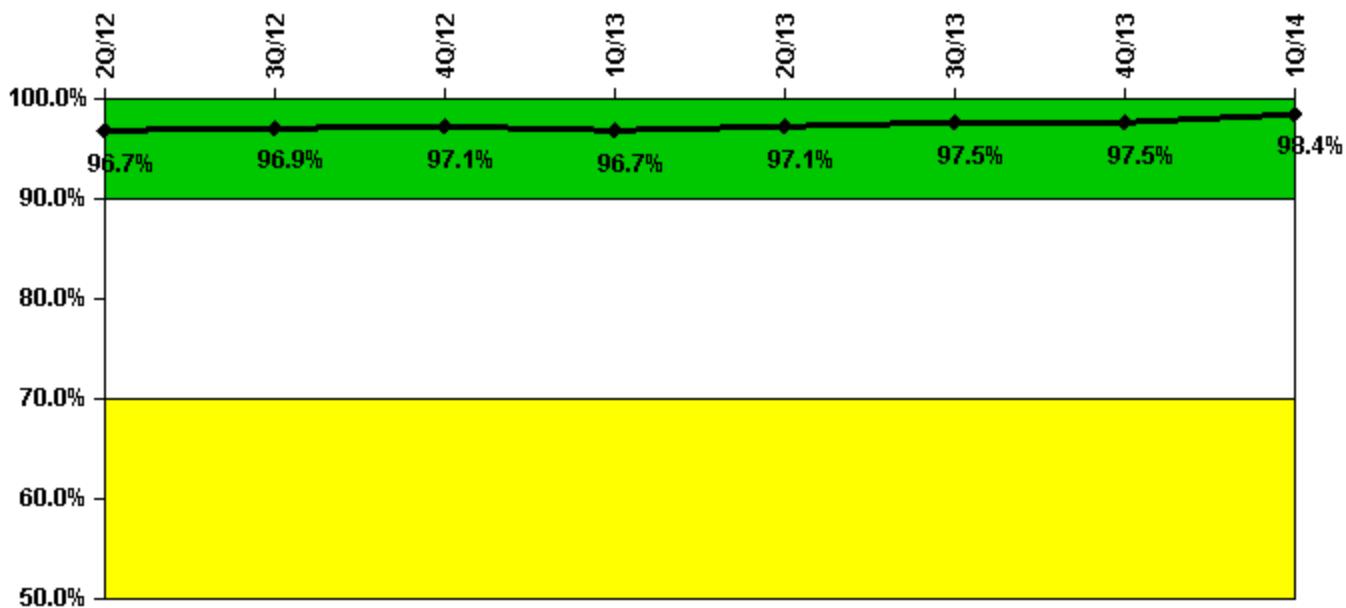
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum leakage	0.090	0.100	0.090	0.070	0.050	0.060	0.090	N/A	0.070	0.310	0.460	0.690
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	1.0	0.9	0.7	0.5	0.6	0.9	N/A	0.7	3.1	4.6	6.9
Reactor Coolant System Leakage	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum leakage	0.050	0.040	0.050	0.040	0.020	0.040	0.030	0.020	0.020	0.040	0.030	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.4	0.5	0.4	0.2	0.4	0.3	0.2	0.2	0.4	0.3	0.4

Licensee Comments:

12/12: The plant was shutdown for a scheduled refueling outage for the entire month of November 2012.

Drill/Exercise Performance

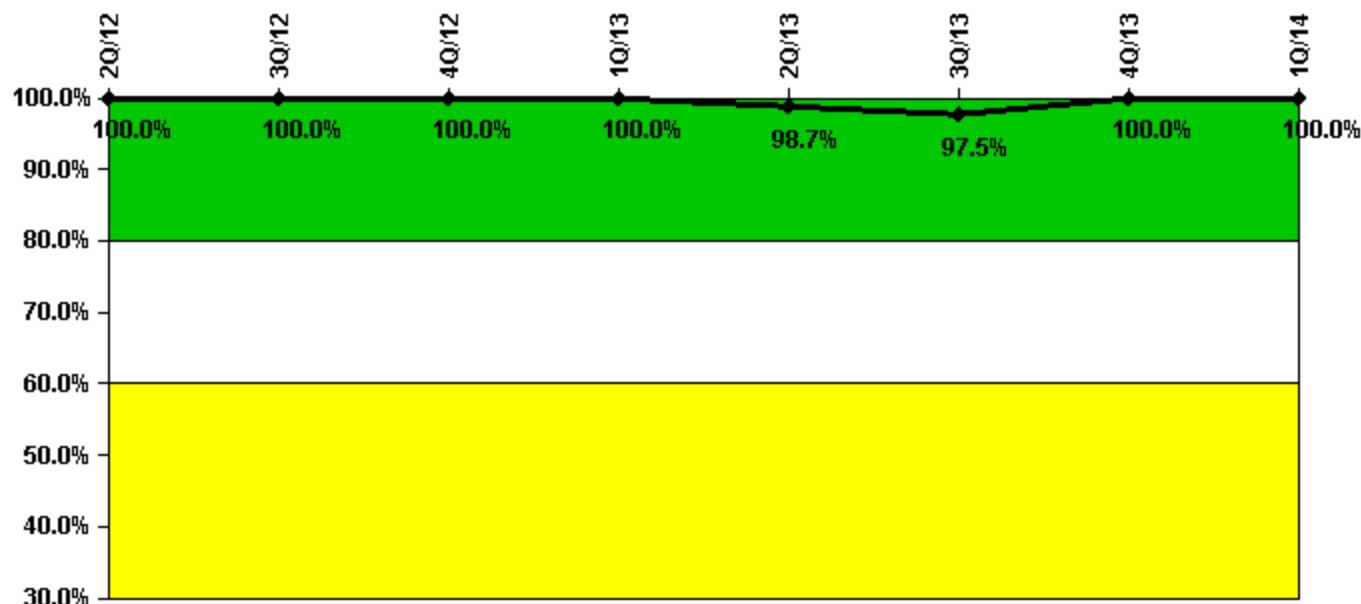
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful opportunities	56.0	43.0	16.0	30.0	88.0	62.0	45.0	34.0
Total opportunities	56.0	44.0	16.0	32.0	90.0	63.0	45.0	34.0
Indicator value	96.7%	96.9%	97.1%	96.7%	97.1%	97.5%	97.5%	98.4%

Licensee Comments: none

ERO Drill Participation



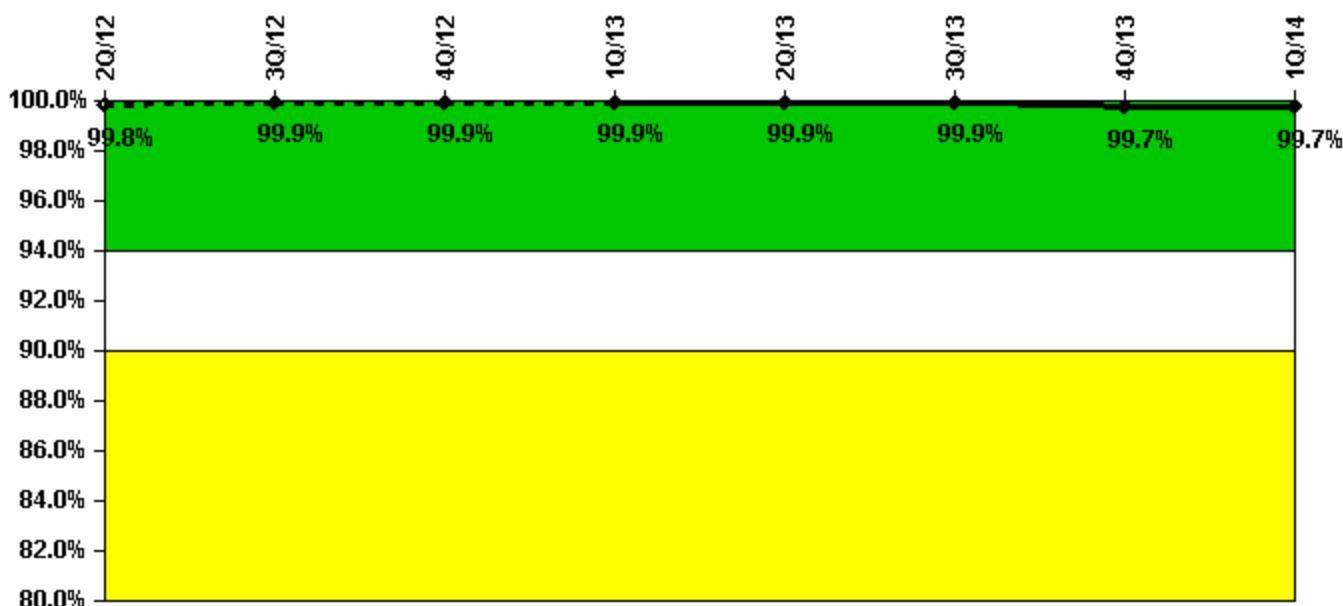
Thresholds: White < 80.0% Yellow < 60.0%

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	75.0	75.0	75.0	78.0	82.0	85.0
Total Key personnel	75.0	74.0	75.0	75.0	76.0	80.0	82.0	85.0
Indicator value	100.0%	100.0%	100.0%	100.0%	98.7%	97.5%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



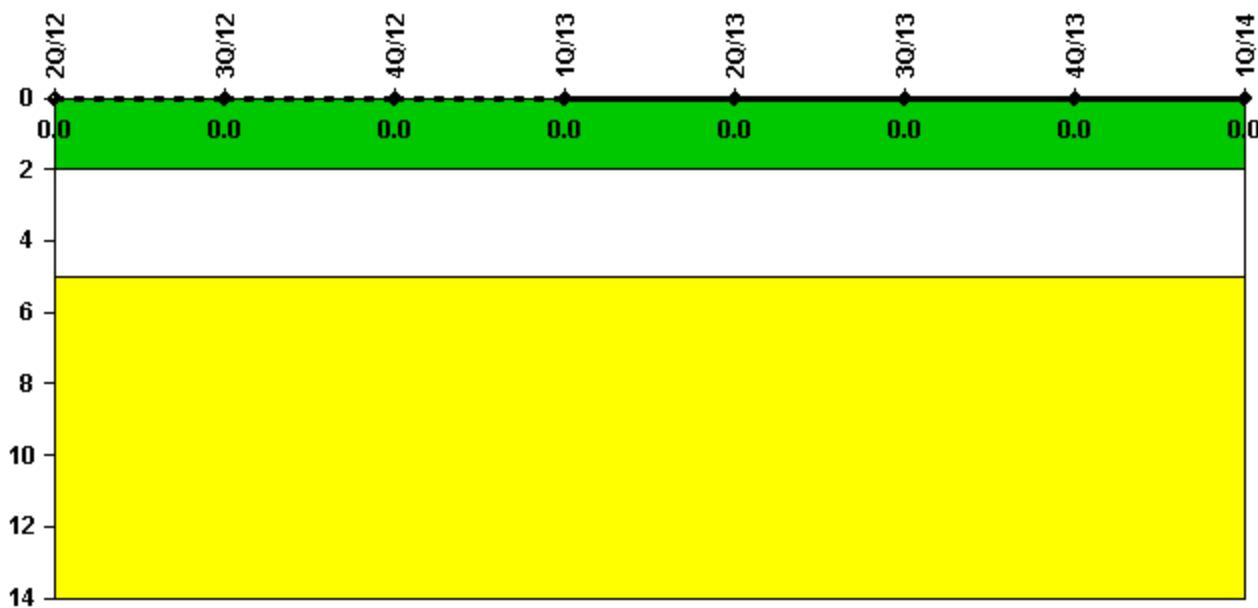
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful siren-tests	742	847	848	741	742	847	842	741
Total sirens-tests	742	848	848	742	742	848	848	742
Indicator value	99.8%	99.9%	99.9%	99.9%	99.9%	99.9%	99.7%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



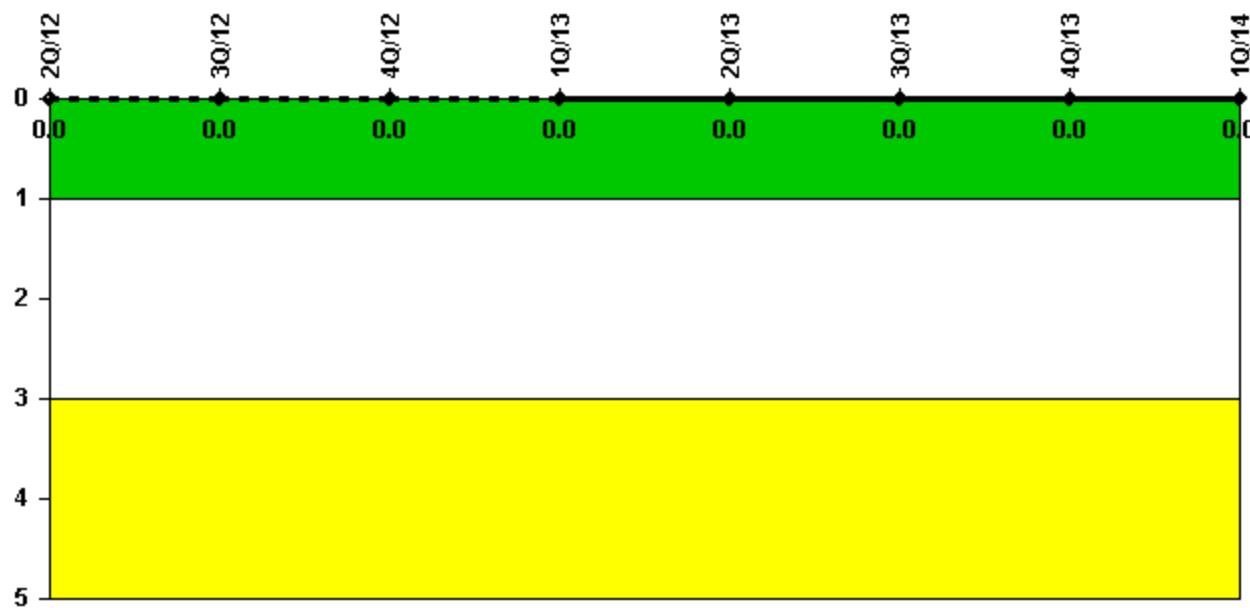
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0							

Licensee Comments: none

RETS/ODCM Radiological Effluent



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							

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

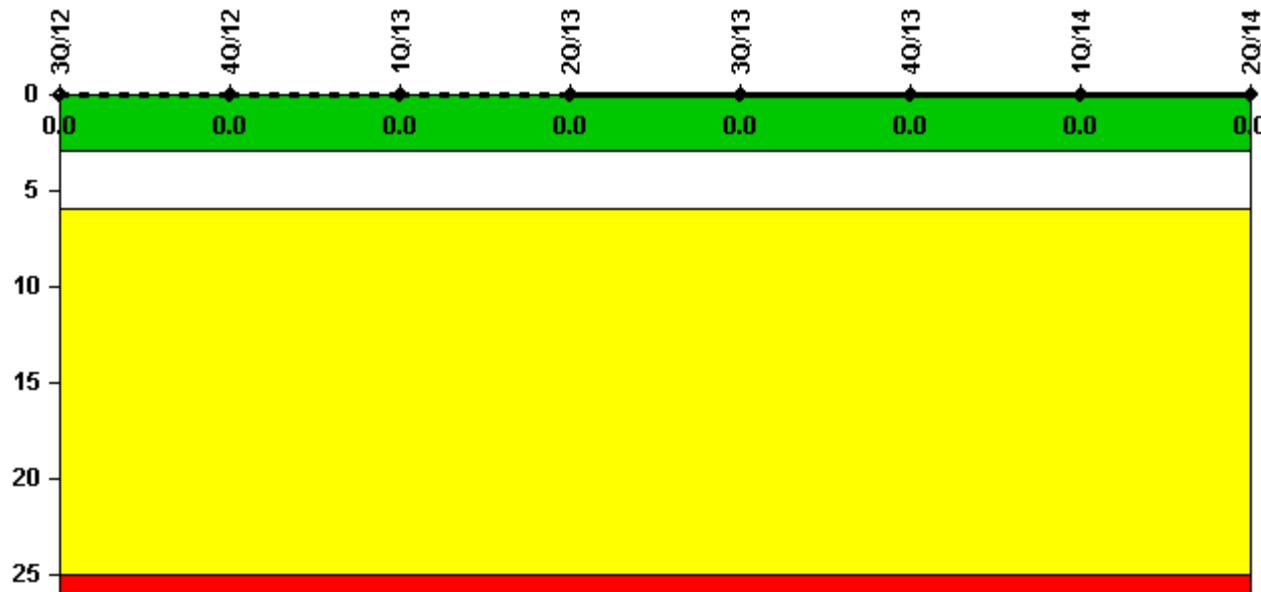
Summer

2Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



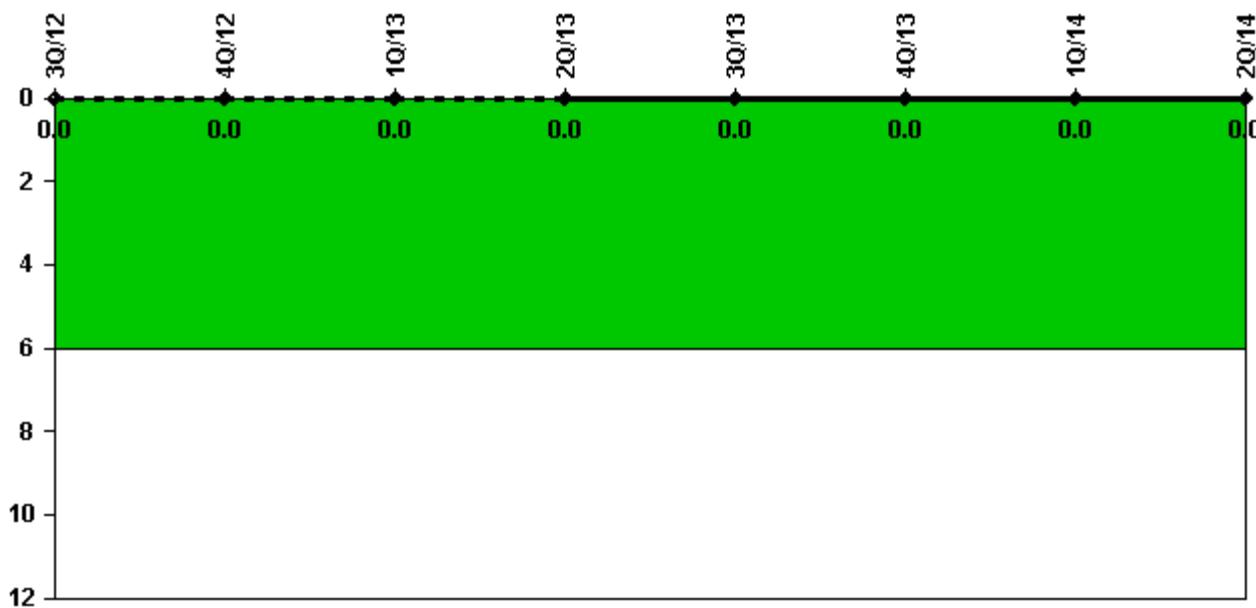
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	915.7	1944.9	2157.1	2208.0	2209.0	2159.0	853.9
Indicator value	0							

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



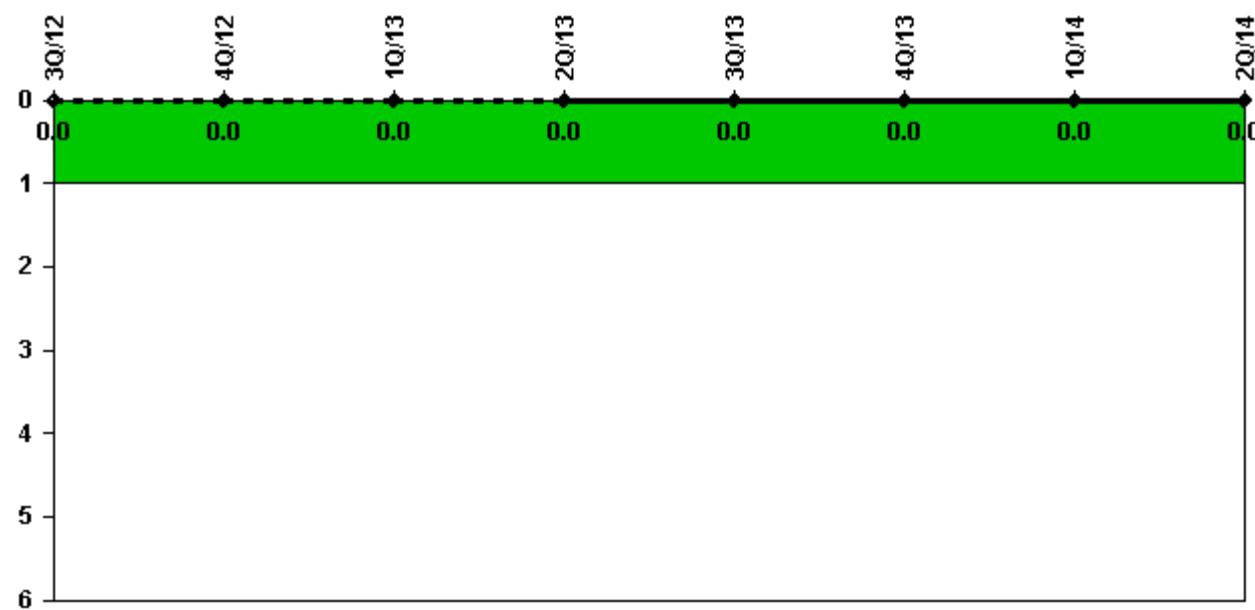
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	915.7	1944.9	2157.1	2208.0	2209.0	2159.0	853.9
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications



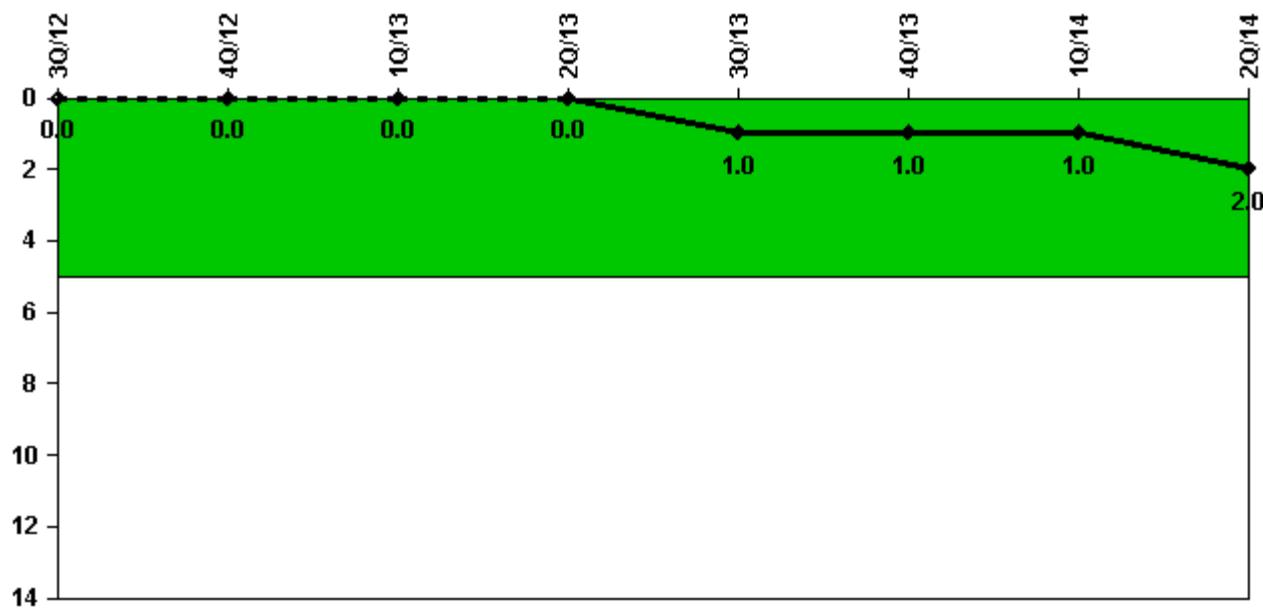
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

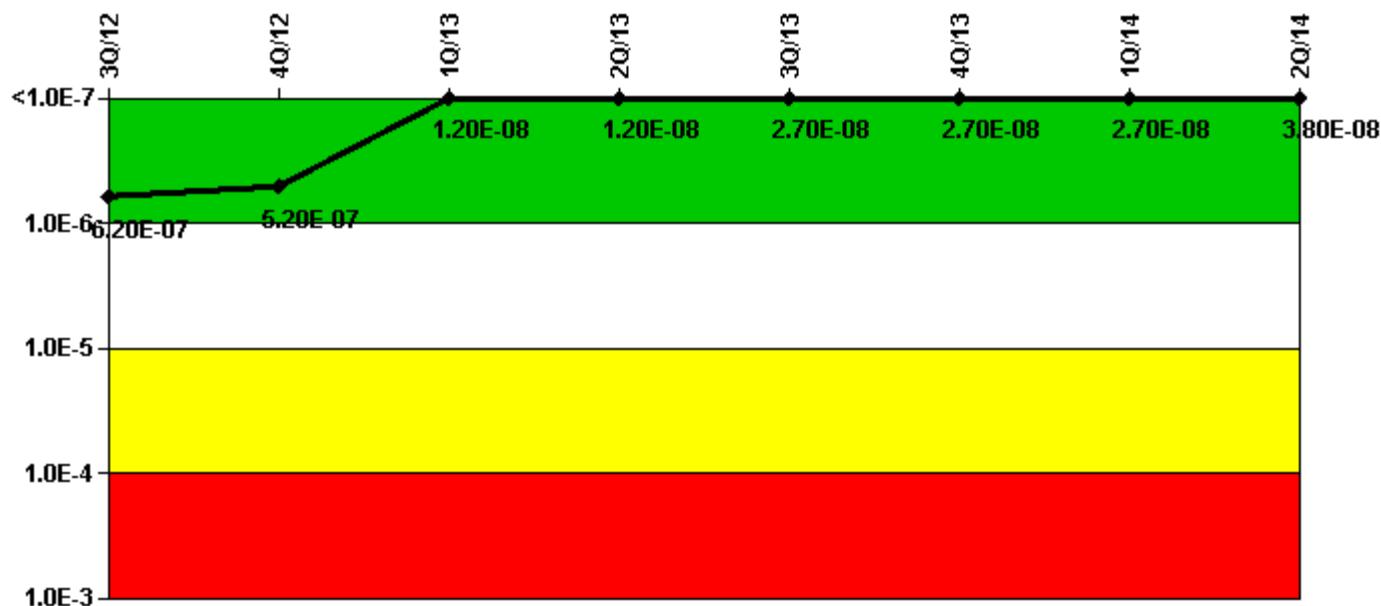
Notes

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

Licensee Comments:

2Q/14: LER 2014-001 CCW Emergency Makeup Valve failed to stroke properly.

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 (Δ CDF)	1.67E-07	2.75E-08	1.94E-08	1.94E-08	3.39E-08	3.39E-08	3.38E-08	4.24E-08
URI (Δ CDF)	4.54E-07	4.91E-07	-7.19E-09	-7.19E-09	-7.19E-09	-7.19E-09	-7.19E-09	-4.44E-09
PLE	NO							
Indicator value	6.20E-07	5.20E-07	1.20E-08	1.20E-08	2.70E-08	2.70E-08	2.70E-08	3.80E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. EAC Baseline Planned Unavailability was adjusted to reflect the current maintenance strategy to support 24 month on-line overhaul schedule. Correct an error discovered regarding Unavailability events used for EAC (A and B DGs) and AFW (Terry Turbine) and the values being reported.

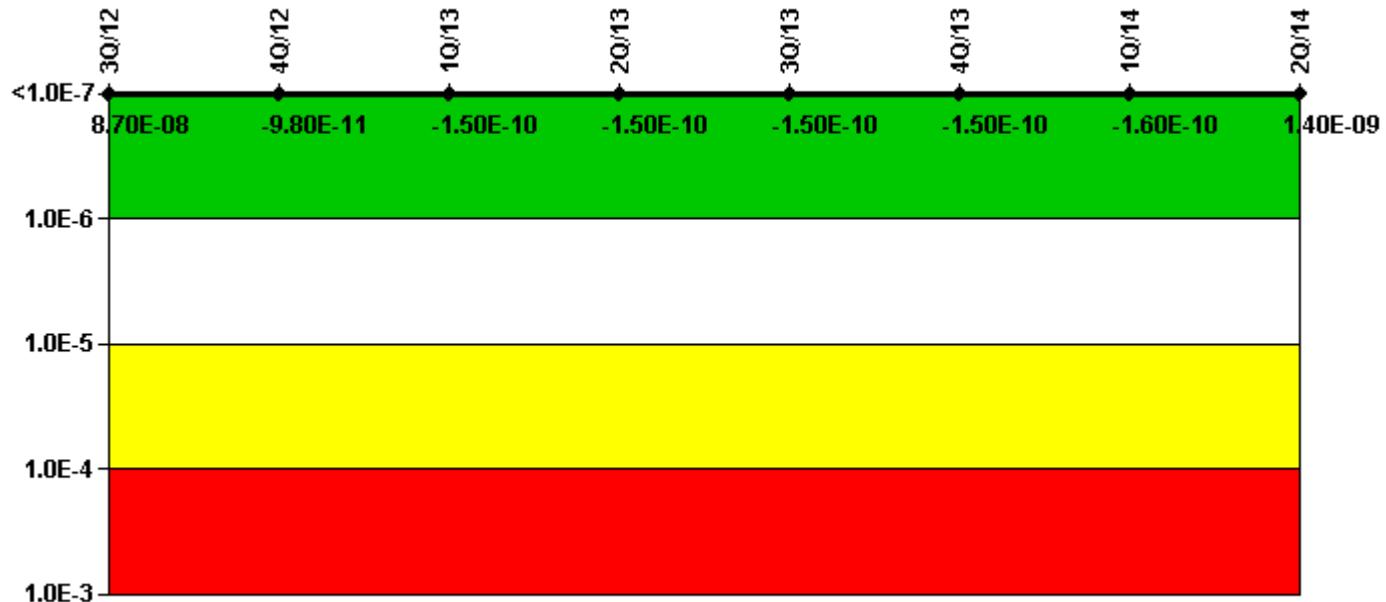
1Q/14: 3/5/2014 "A" DG was taken out of service for 36 hours 26 minutes for maintenance & repairs.
3/16/2014 - "B" DG taken out of service 140 hours 39 minutes for overhaul. 3/23/2014 - "B" DG taken out of service for 2 hours 2 minutes for Rocker Arm LO Filter replacement

4Q/12: Risk Cap Invoked.

3Q/12: Risk Cap Invoked. 8/24/2012 - "A" DG Start/Demand Failure due to "A" DG exciter failed to flash. 63.1 hours of unplanned unavailability were accrued. CR-12-03599 9/19/2012 - "A" DG Start/Demand Failure due to

"A" DG exciter failed to flash. 111.3 hours of unplanned unavailability were accrued. CR-12-03998 Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

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 (Δ CDF)	-7.06E-09	-2.14E-09	-2.33E-09	-2.33E-09	-2.33E-09	-2.33E-09	-2.33E-09	-2.31E-09
URI (Δ CDF)	9.43E-08	2.04E-09	2.17E-09	2.17E-09	2.17E-09	2.17E-09	2.17E-09	3.68E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.70E-08	-9.80E-11	-1.50E-10	-1.50E-10	-1.50E-10	-1.50E-10	-1.60E-10	1.40E-09

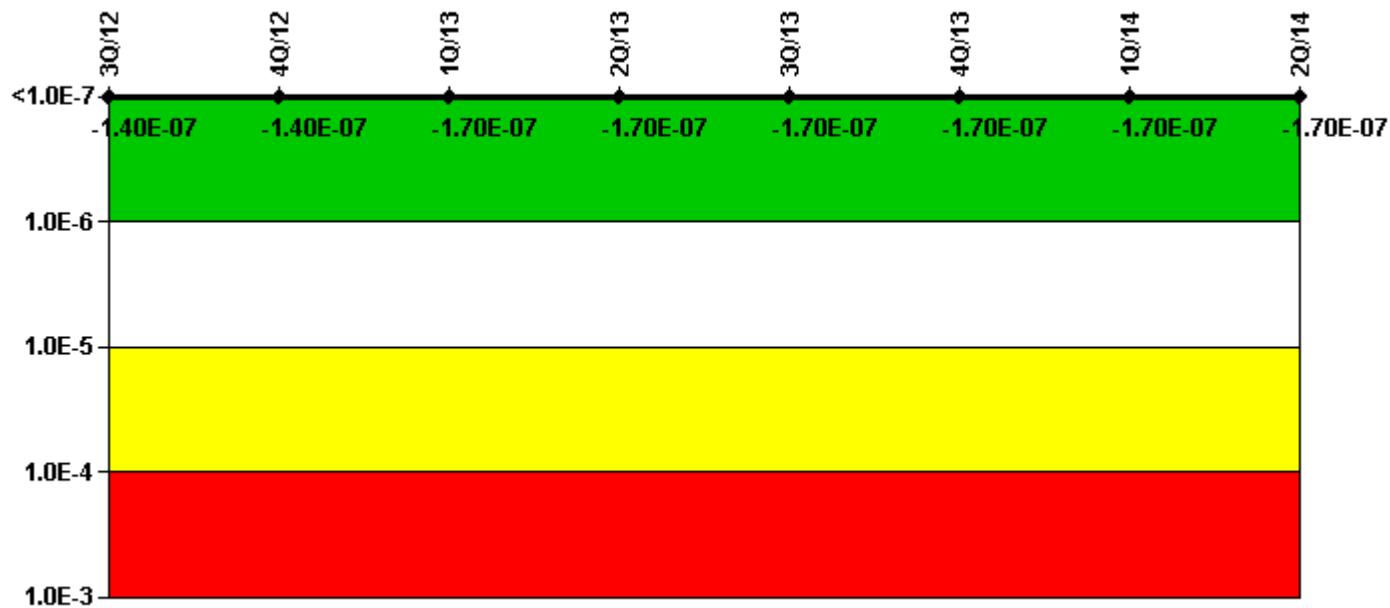
Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b.

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite

power.

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 (Δ CDF)	-1.97E-08	-2.03E-08	-1.38E-08	-1.39E-08	-1.41E-08	-1.45E-08	-1.23E-08	-1.62E-08
URI (Δ CDF)	-1.17E-07	-1.23E-07	-1.55E-07	-1.55E-07	-1.55E-07	-1.55E-07	-1.55E-07	-1.56E-07
PLE	NO							
Indicator value	-1.40E-07	-1.40E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07

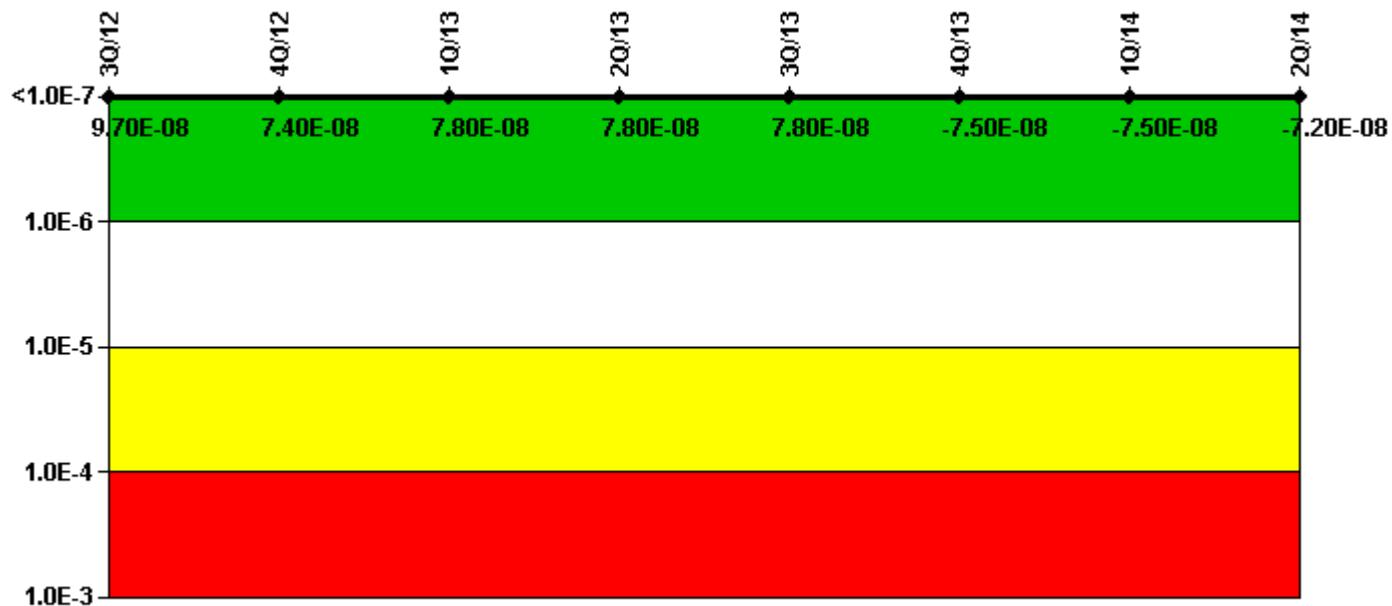
Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. Correct an error discovered regarding Unavailability events used for EAC (A and B DGs) and AFW (Terry Turbine) and the values being reported.

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite

power.

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

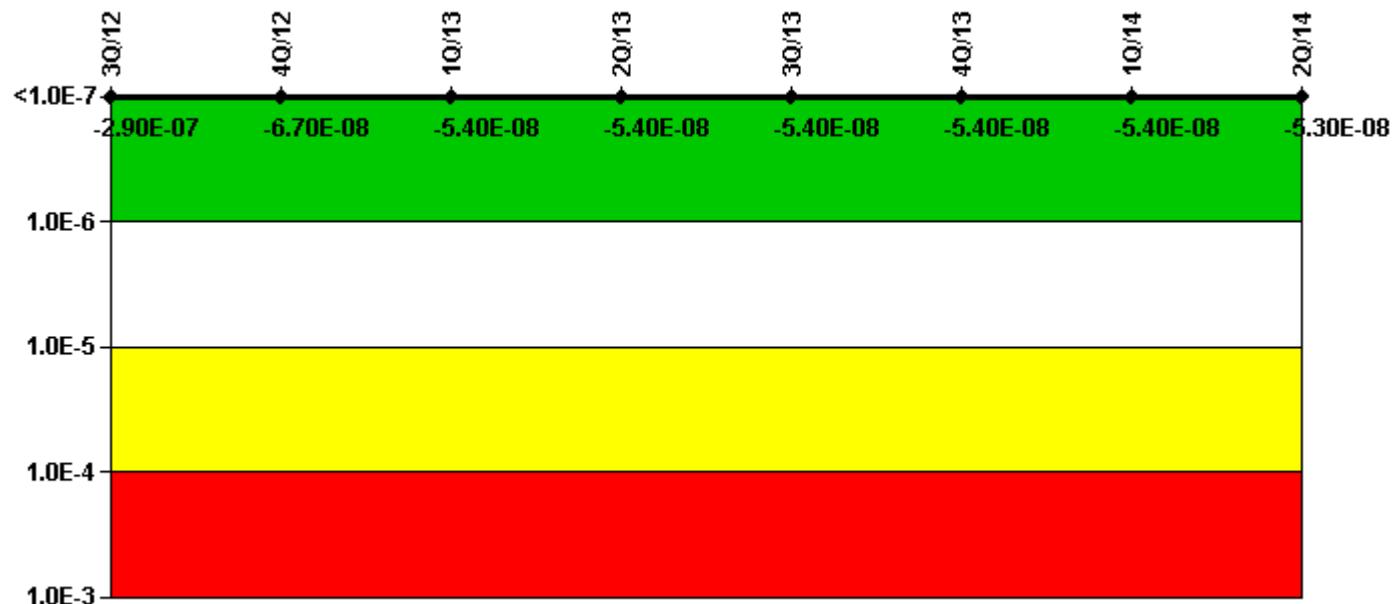
Mitigating Systems Performance Index, Residual Heat Removal System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	-4.49E-09	-3.00E-09	-3.21E-09	-3.21E-09	-3.22E-09	-8.66E-09	-8.66E-09	-7.82E-09
URI (Δ CDF)	1.01E-07	7.68E-08	8.08E-08	8.08E-08	8.08E-08	-6.66E-08	-6.66E-08	-6.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	9.70E-08	7.40E-08	7.80E-08	7.80E-08	7.80E-08	-7.50E-08	-7.50E-08	-7.20E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b.

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

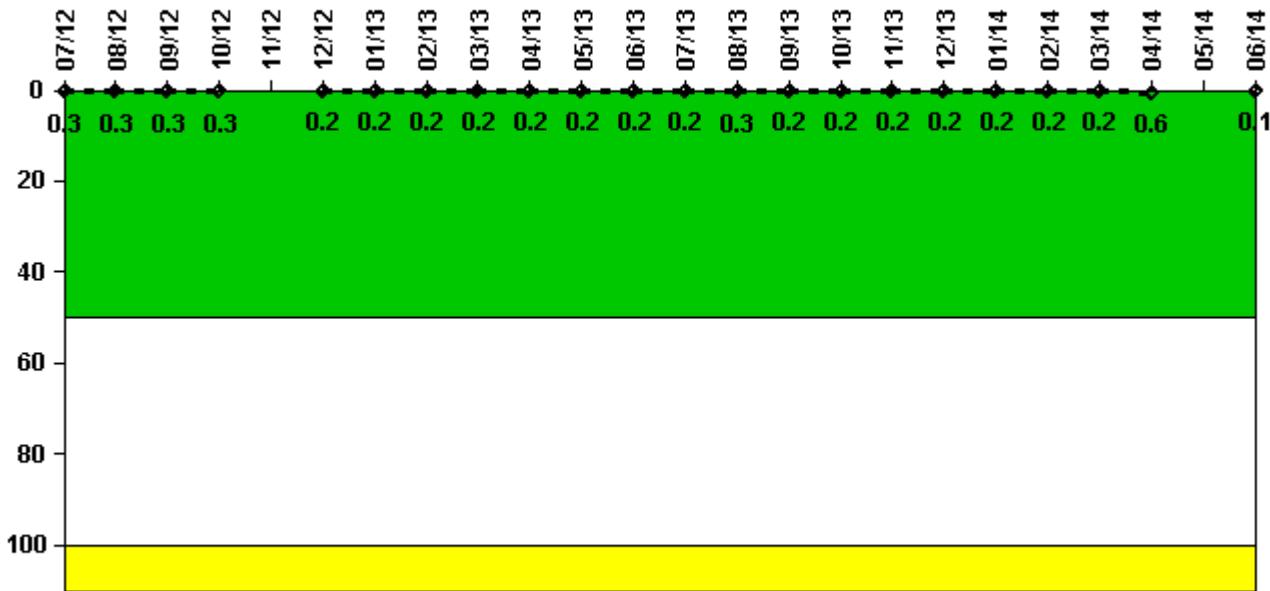
Mitigating Systems Performance Index, Cooling Water Systems	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	-2.78E-08	-8.34E-09	-6.98E-09	-6.98E-09	-6.98E-09	-6.98E-09	-6.98E-09	-6.95E-09
URI (Δ CDF)	-2.58E-07	-5.85E-08	-4.66E-08	-4.66E-08	-4.66E-08	-4.66E-08	-4.66E-08	-4.57E-08
PLE	NO							
Indicator value	-2.90E-07	-6.70E-08	-5.40E-08	-5.40E-08	-5.40E-08	-5.40E-08	-5.40E-08	-5.30E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b

3Q/12: Revised PRA parameters, to take affect 10/1/2012, to credit Alternate Reactor Coolant Pump Seal Injection system plant modification to mitigate an Reactor Coolant Pump seal LOCA brought on by loss of offsite power.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

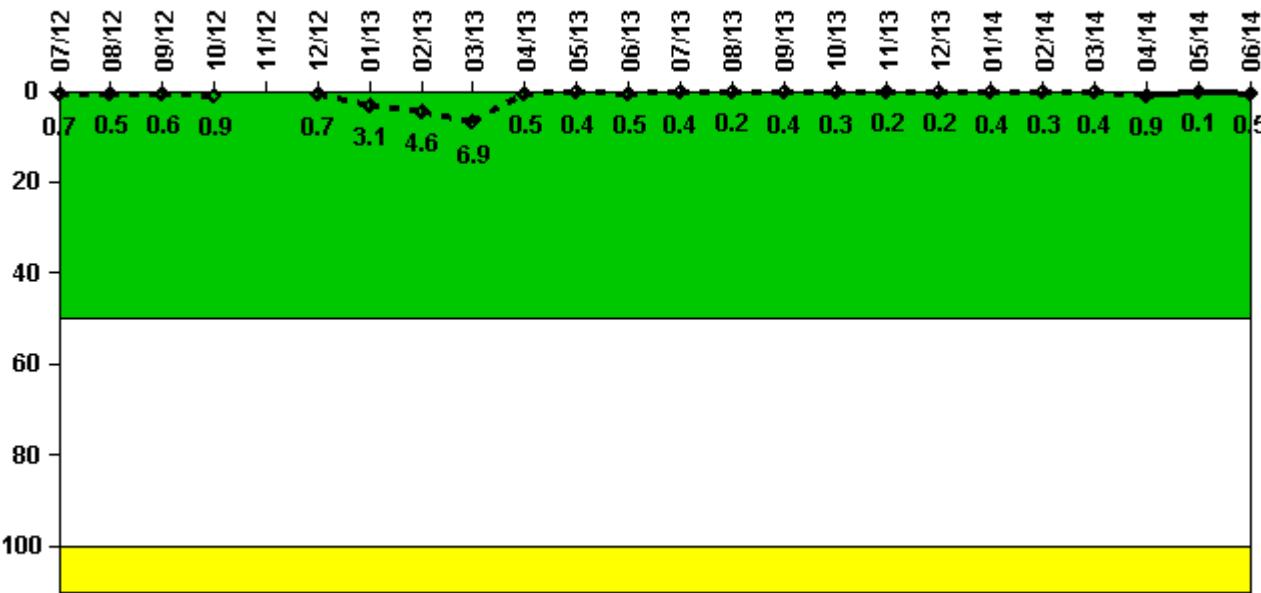
Notes

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	0.0000183	0.0000185	0.0000190	0.0000199	N/A	0.000096	0.000095	0.000094	0.000095	0.000102	0.000098	0.000111
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.3	0.3	0.3	0.3	N/A	0.2						
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	0.0000116	0.0000206	0.0000121	0.0000124	0.0000122	0.0000125	0.0000136	0.0000141	0.0000147	0.0000346	N/A	0.000085
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	0.3	0.2	0.6	N/A	0.1						

Licensee Comments:

12/12: The plant was shutdown for a scheduled refueling outage for the entire month of November 2012.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

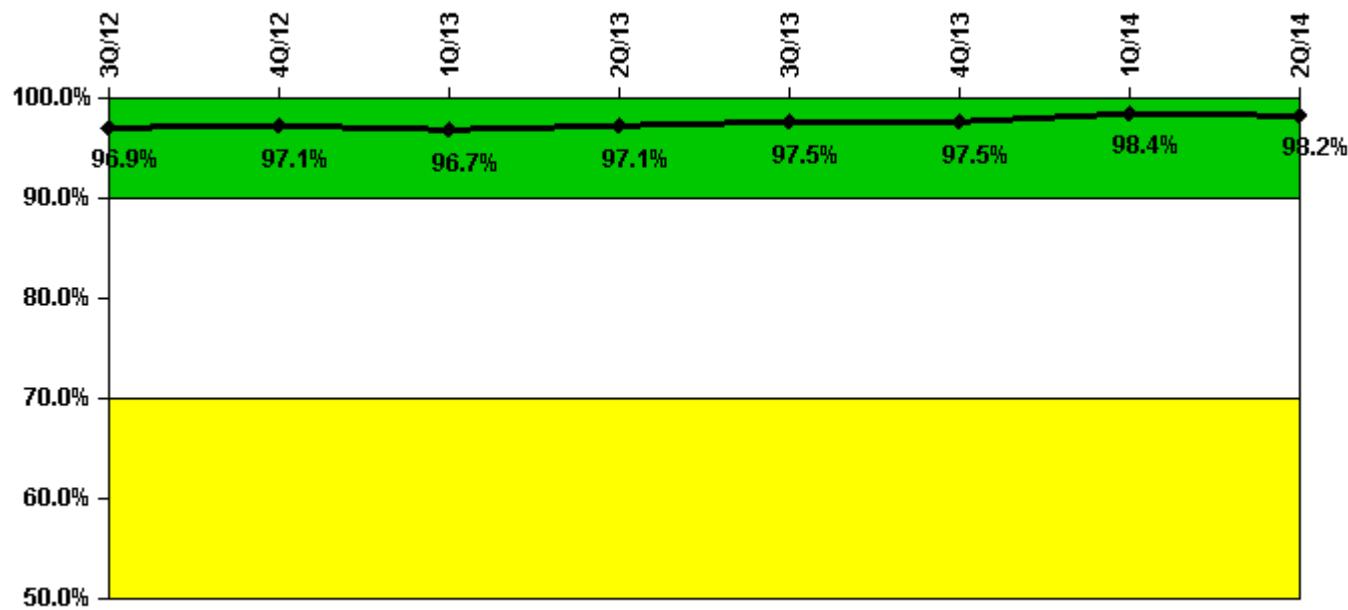
Notes

Reactor Coolant System Leakage	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum leakage	0.070	0.050	0.060	0.090	N/A	0.070	0.310	0.460	0.690	0.050	0.040	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.7	0.5	0.6	0.9	N/A	0.7	3.1	4.6	6.9	0.5	0.4	0.5
Reactor Coolant System Leakage	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum leakage	0.040	0.020	0.040	0.030	0.020	0.020	0.040	0.030	0.040	0.090	0.010	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.4	0.2	0.4	0.3	0.2	0.2	0.4	0.3	0.4	0.9	0.1	0.5

Licensee Comments:

12/12: The plant was shutdown for a scheduled refueling outage for the entire month of November 2012.

Drill/Exercise Performance



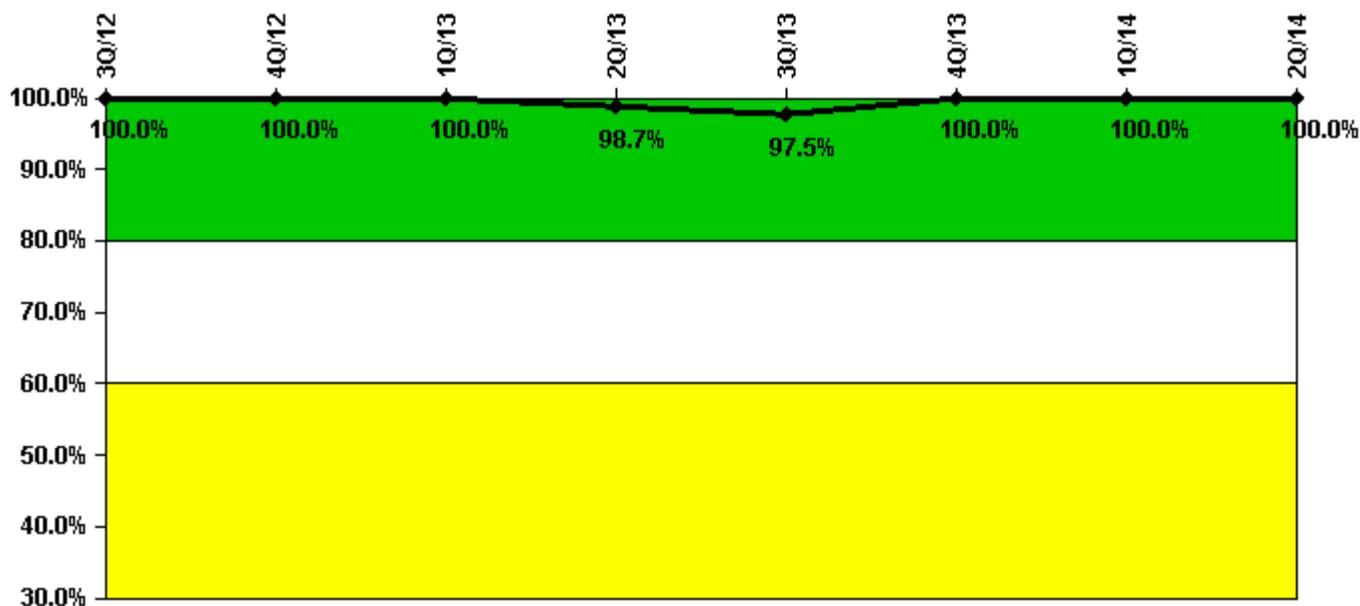
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful opportunities	43.0	16.0	30.0	88.0	62.0	45.0	34.0	12.0
Total opportunities	44.0	16.0	32.0	90.0	63.0	45.0	34.0	12.0
Indicator value	96.9%	97.1%	96.7%	97.1%	97.5%	97.5%	98.4%	98.2%

Licensee Comments: none

ERO Drill Participation



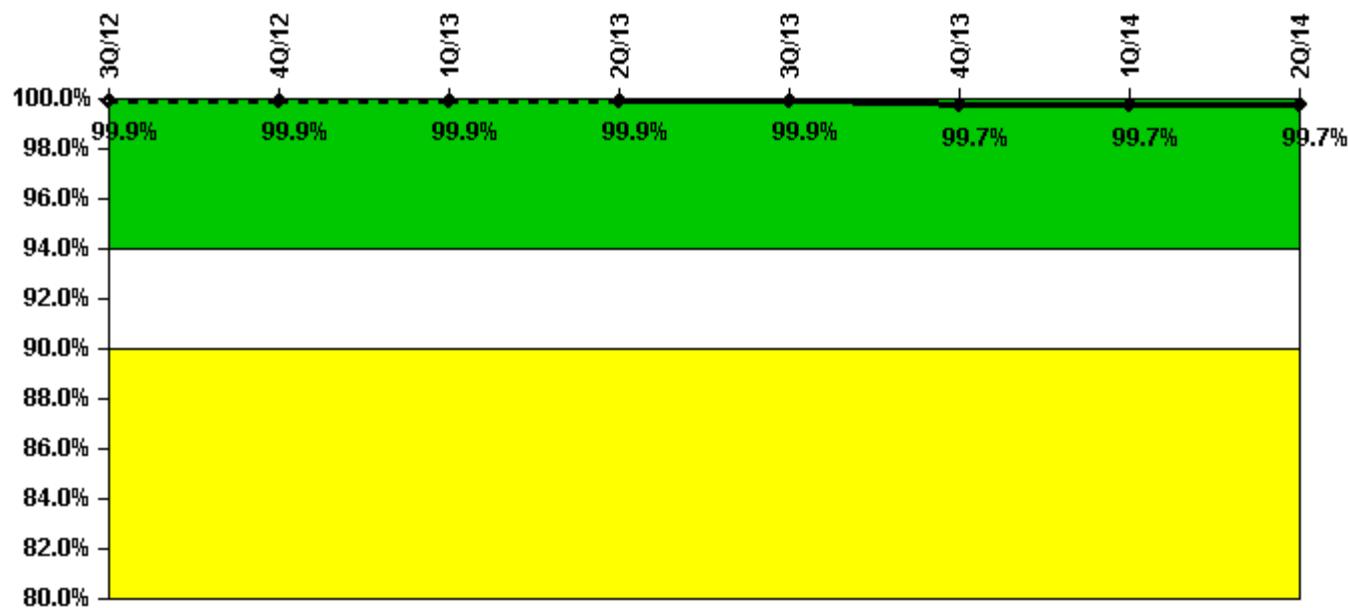
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Participating Key personnel	74.0	75.0	75.0	75.0	78.0	82.0	85.0	78.0
Total Key personnel	74.0	75.0	75.0	76.0	80.0	82.0	85.0	78.0
Indicator value	100.0%	100.0%	100.0%	98.7%	97.5%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



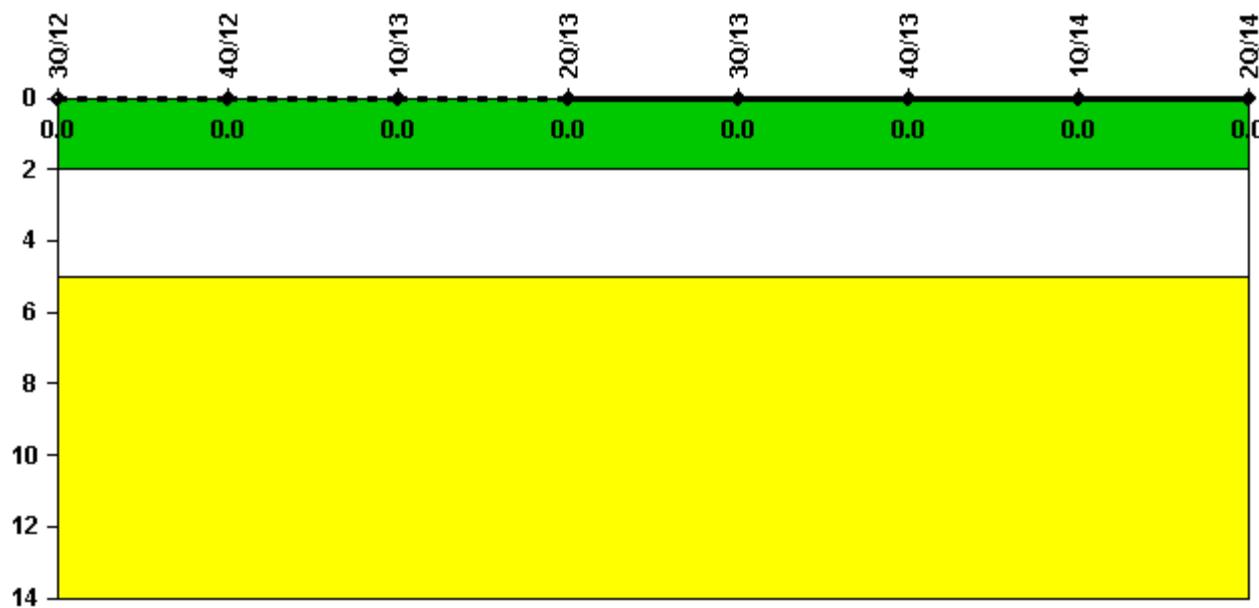
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful siren-tests	847	848	741	742	847	842	741	846
Total sirens-tests	848	848	742	742	848	848	742	848
Indicator value	99.9%	99.9%	99.9%	99.9%	99.9%	99.7%	99.7%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness

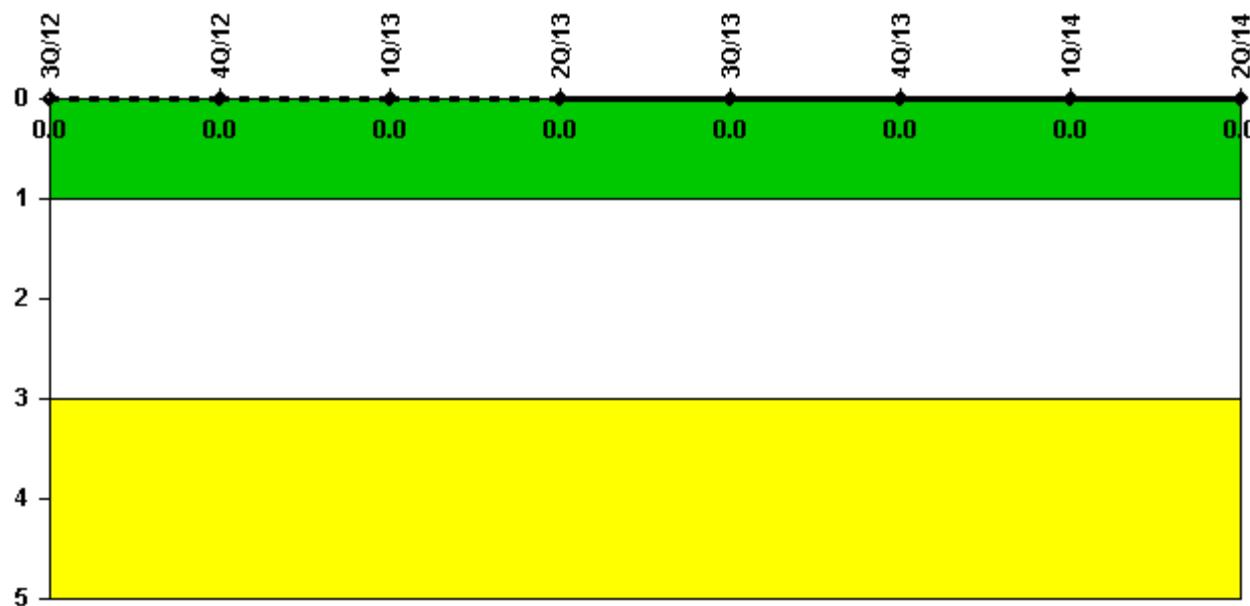


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0							

Licensee Comments: none

RETS/ODCM Radiological Effluent

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							

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

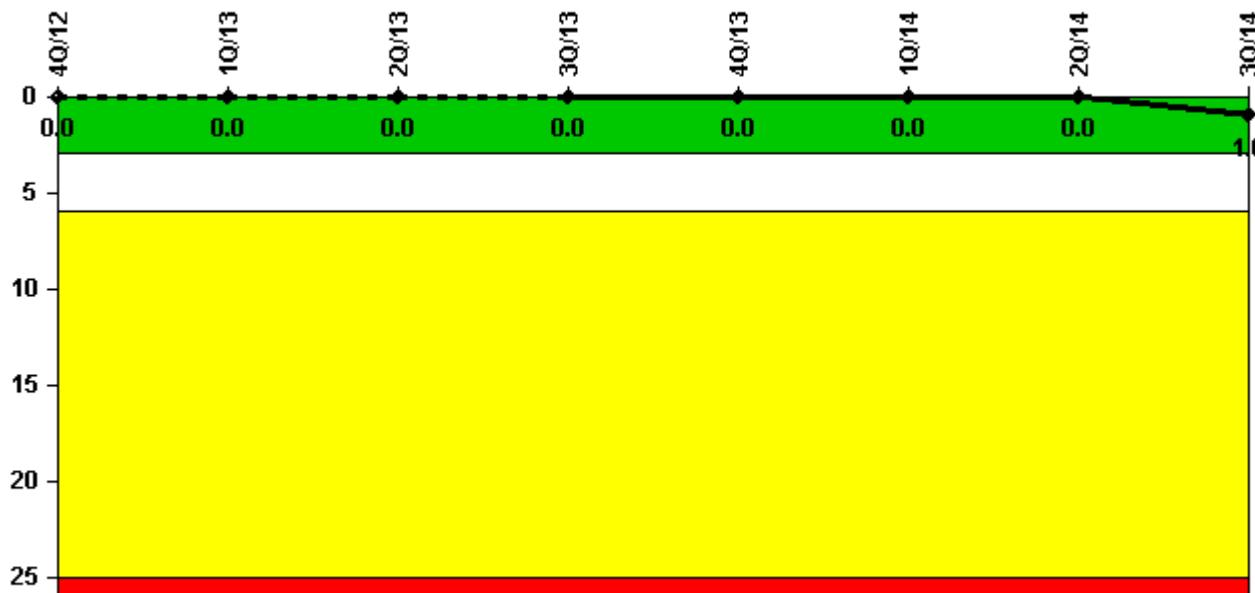
Summer

3Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: To correct an NRC inspection identified missed simulator evaluation emergency action level identification that occurred on September 30, 2013.

Unplanned Scrams per 7000 Critical Hrs



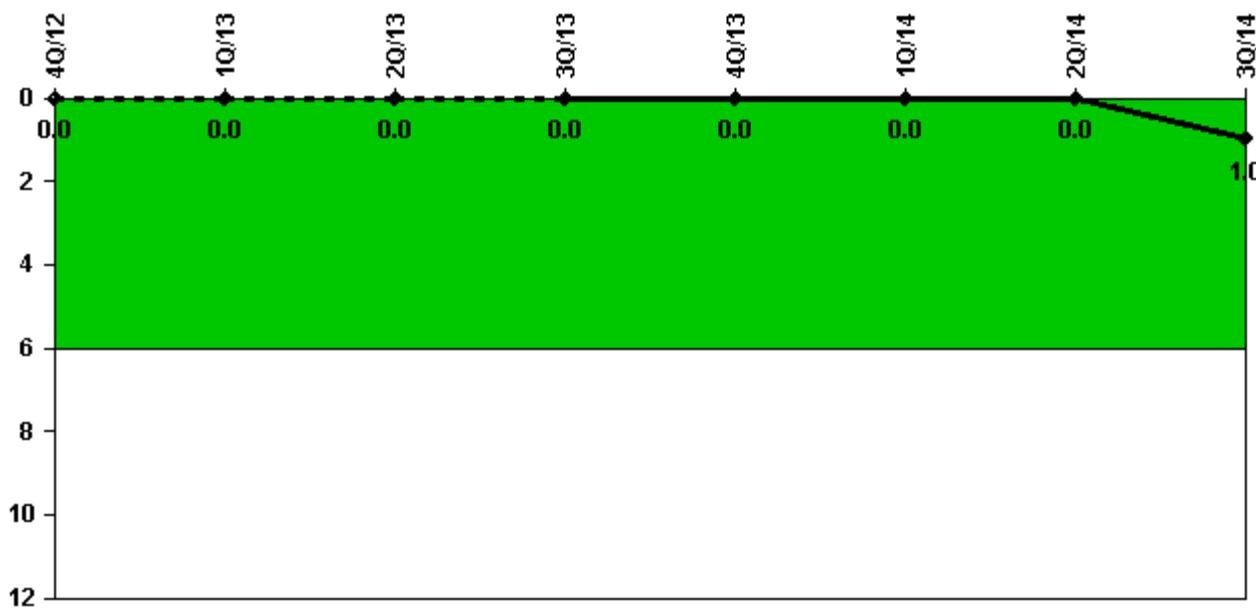
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned scrams	0	0	0	0	0	0	0	1.0
Critical hours	915.7	1944.9	2157.1	2208.0	2209.0	2159.0	853.9	2012.4
Indicator value	0	1.0						

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



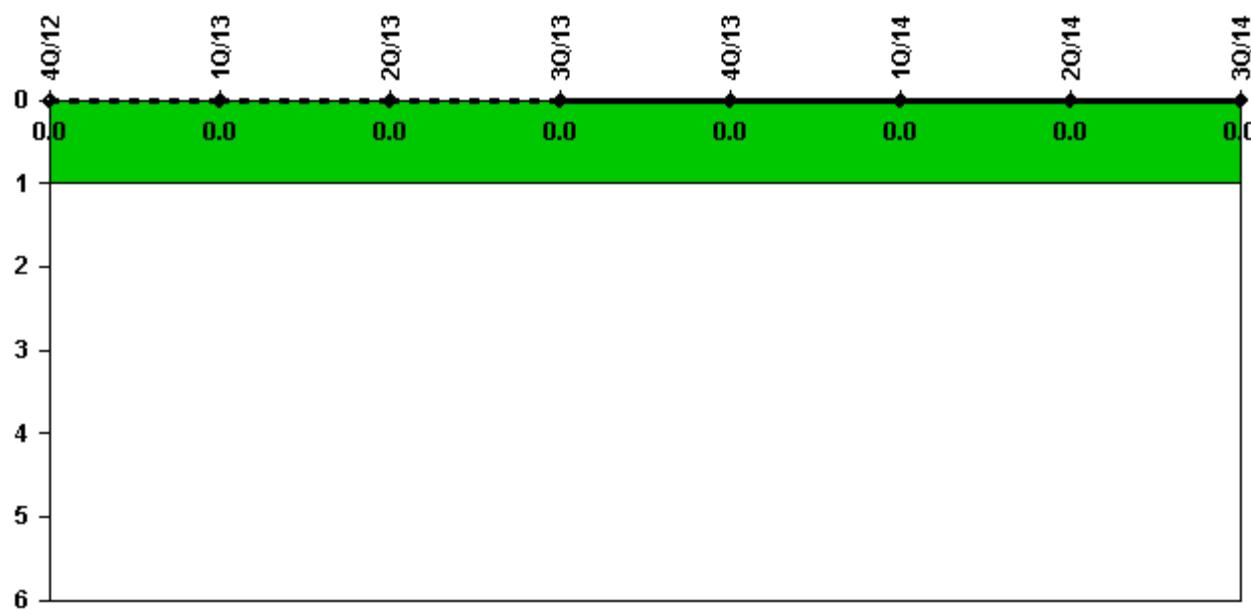
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	915.7	1944.9	2157.1	2208.0	2209.0	2159.0	853.9	2012.4
Indicator value	0	1.0						

Licensee Comments: none

Unplanned Scrams with Complications



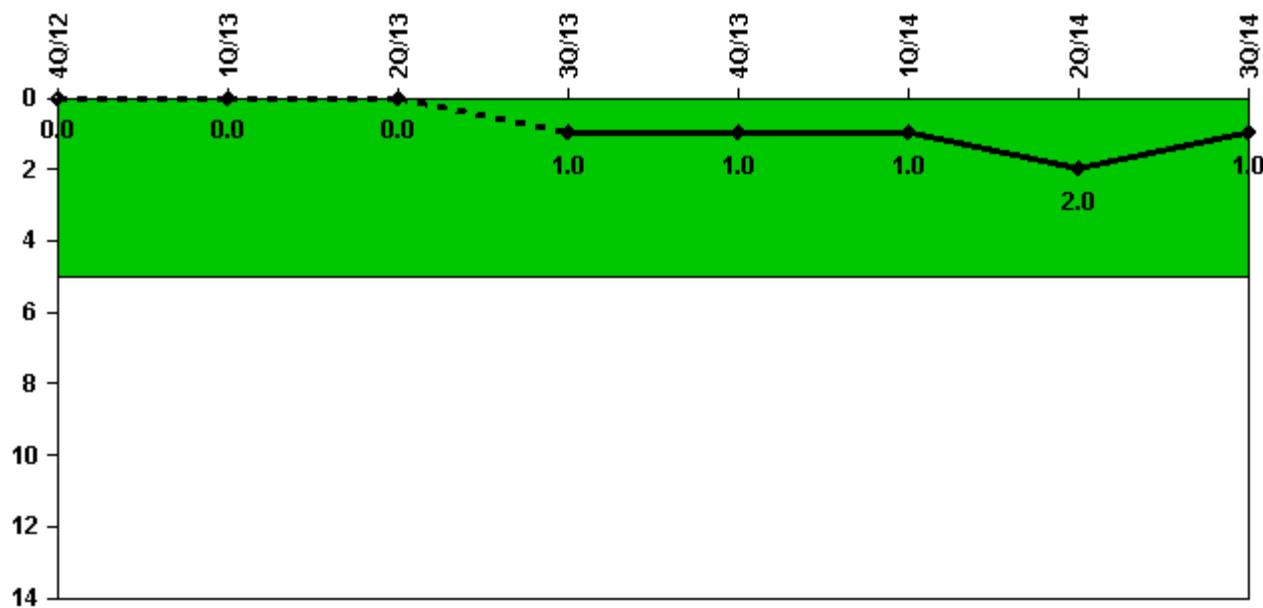
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

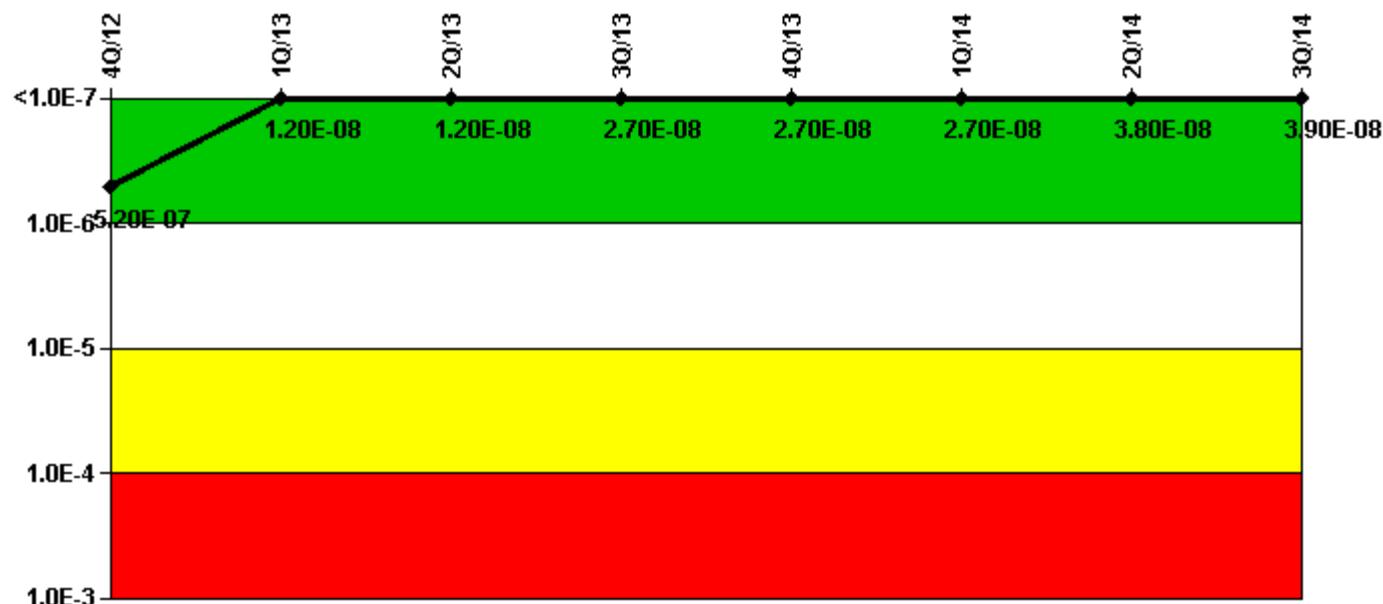
Notes

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

Licensee Comments:

2Q/14: LER 2014-001 CCW Emergency Makeup Valve failed to stroke properly.

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 (Δ CDF)	2.75E-08	1.94E-08	1.94E-08	3.39E-08	3.39E-08	3.38E-08	4.24E-08	4.30E-08
URI (Δ CDF)	4.91E-07	-7.19E-09	-7.19E-09	-7.19E-09	-7.19E-09	-7.19E-09	-4.44E-09	-4.44E-09
PLE	NO							
Indicator value	5.20E-07	1.20E-08	1.20E-08	2.70E-08	2.70E-08	2.70E-08	3.80E-08	3.90E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. EAC Baseline Planned Unavailability was adjusted to reflect the current maintenance strategy to support 24 month on-line overhaul schedule. Correct an error discovered regarding Unavailability events used for EAC (A and B DGs) and AFW (Terry Turbine) and the values being reported.

1Q/14: 3/5/2014 "A" DG was taken out of service for 36 hours 26 minutes for maintenance & repairs.
3/16/2014 - "B" DG taken out of service 140 hours 39 minutes for overhaul. 3/23/2014 - "B" DG taken out of service for 2 hours 2 minutes for Rocker Arm LO Filter replacement

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

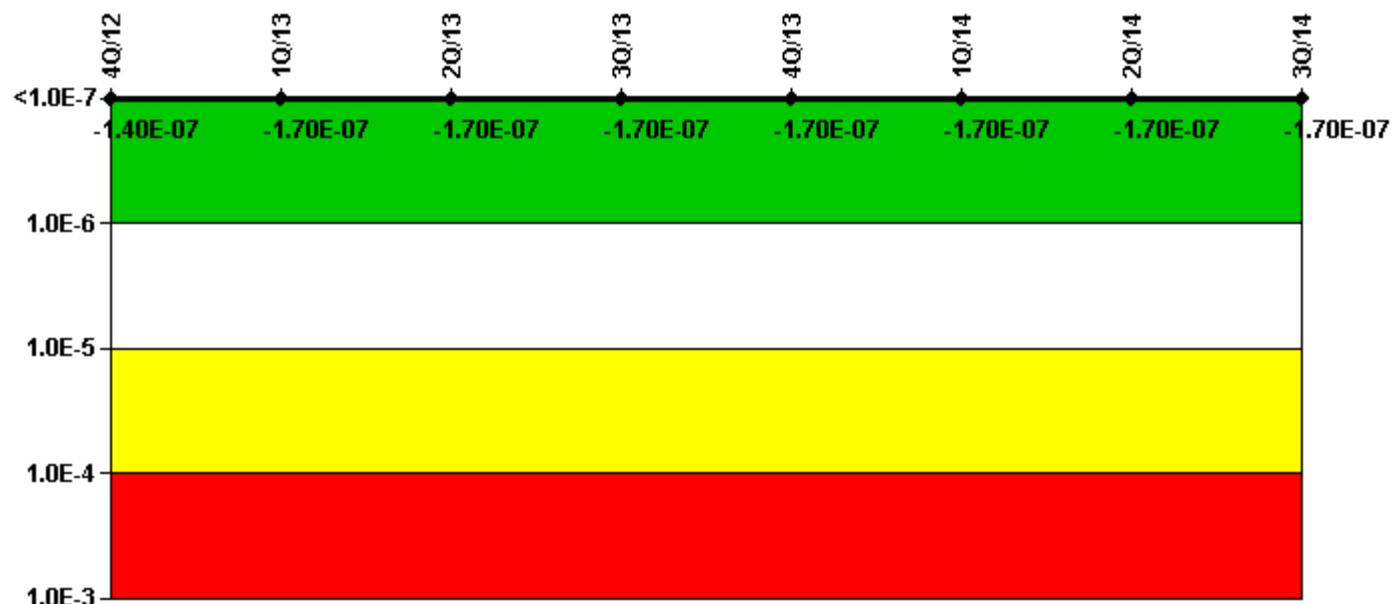
Notes

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 (Δ CDF)	-2.14E-09	-2.33E-09	-2.33E-09	-2.33E-09	-2.33E-09	-2.33E-09	-2.31E-09	-2.41E-09
URI (Δ CDF)	2.04E-09	2.17E-09	2.17E-09	2.17E-09	2.17E-09	2.17E-09	3.68E-09	-1.43E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.80E-11	-1.50E-10	-1.50E-10	-1.50E-10	-1.50E-10	-1.60E-10	1.40E-09	-1.70E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b.

Mitigating Systems Performance Index, Heat Removal System



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

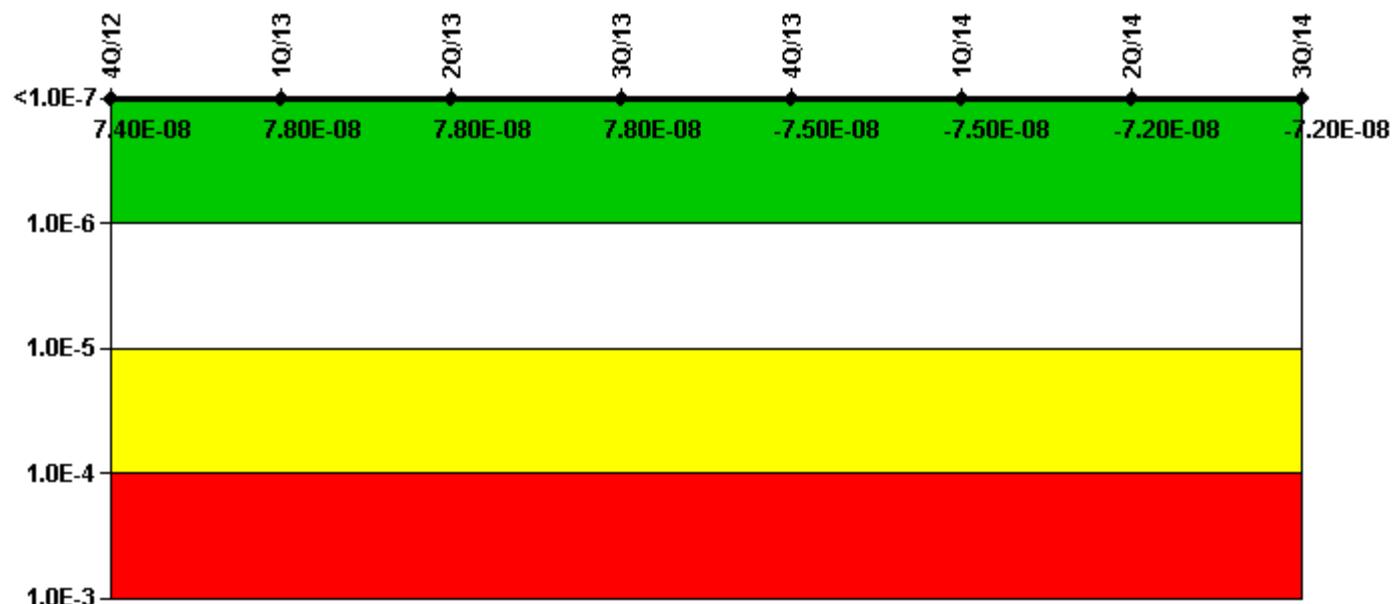
Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (Δ CDF)	-2.03E-08	-1.38E-08	-1.39E-08	-1.41E-08	-1.45E-08	-1.23E-08	-1.62E-08	-1.59E-08
URI (Δ CDF)	-1.23E-07	-1.55E-07	-1.55E-07	-1.55E-07	-1.55E-07	-1.55E-07	-1.56E-07	-1.56E-07
PLE	NO							
Indicator value	-1.40E-07	-1.70E-07						

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. Correct an error discovered regarding Unavailability events used for EAC (A and B DGs) and AFW (Terry Turbine) and the values being reported.

Mitigating Systems Performance Index, Residual Heat Removal System



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

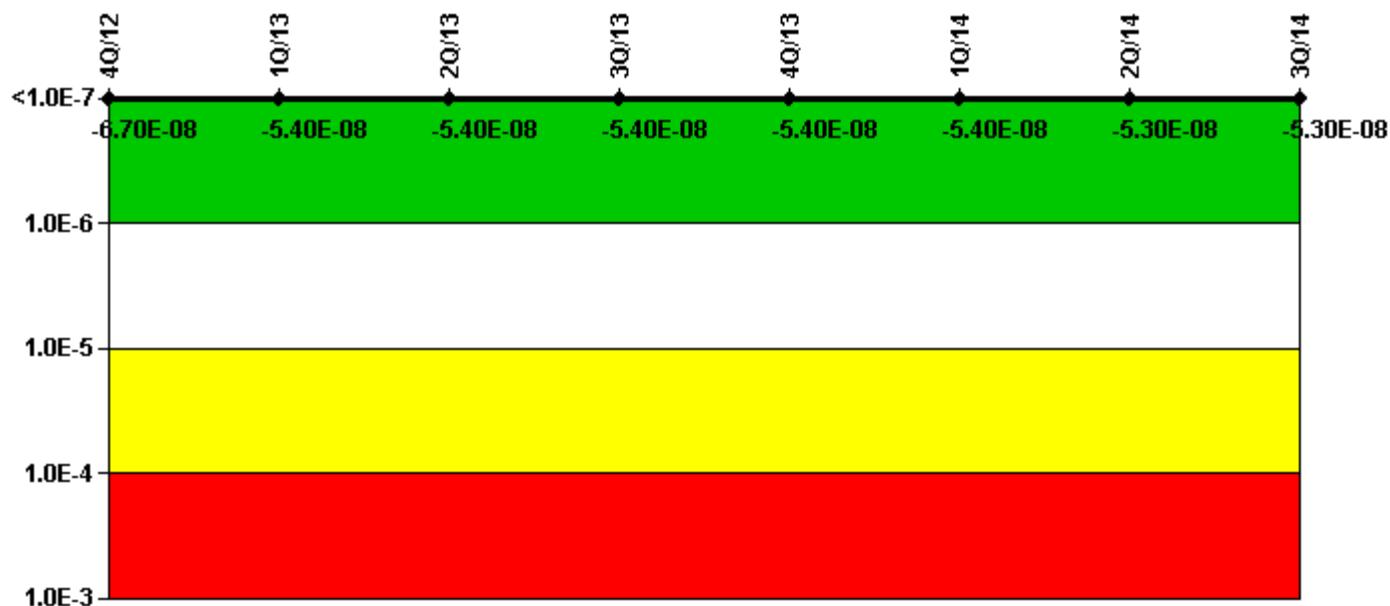
Notes

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 (Δ CDF)	-3.00E-09	-3.21E-09	-3.21E-09	-3.22E-09	-8.66E-09	-8.66E-09	-7.82E-09	-7.82E-09
URI (Δ CDF)	7.68E-08	8.08E-08	8.08E-08	8.08E-08	-6.66E-08	-6.66E-08	-6.37E-08	-6.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.40E-08	7.80E-08	7.80E-08	7.80E-08	-7.50E-08	-7.50E-08	-7.20E-08	-7.20E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b.

Mitigating Systems Performance Index, Cooling Water Systems



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

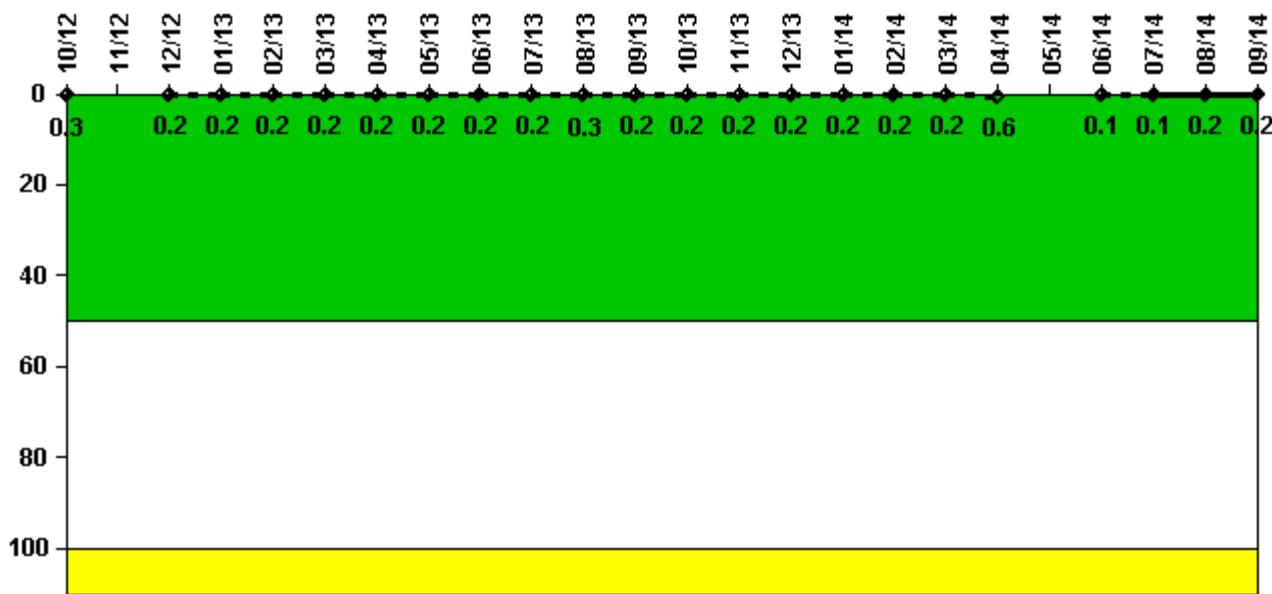
Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (Δ CDF)	-8.34E-09	-6.98E-09	-6.98E-09	-6.98E-09	-6.98E-09	-6.98E-09	-6.95E-09	-6.95E-09
URI (Δ CDF)	-5.85E-08	-4.66E-08	-4.66E-08	-4.66E-08	-4.66E-08	-4.66E-08	-4.57E-08	-4.57E-08
PLE	NO							
Indicator value	-6.70E-08	-5.40E-08	-5.40E-08	-5.40E-08	-5.40E-08	-5.40E-08	-5.30E-08	-5.30E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

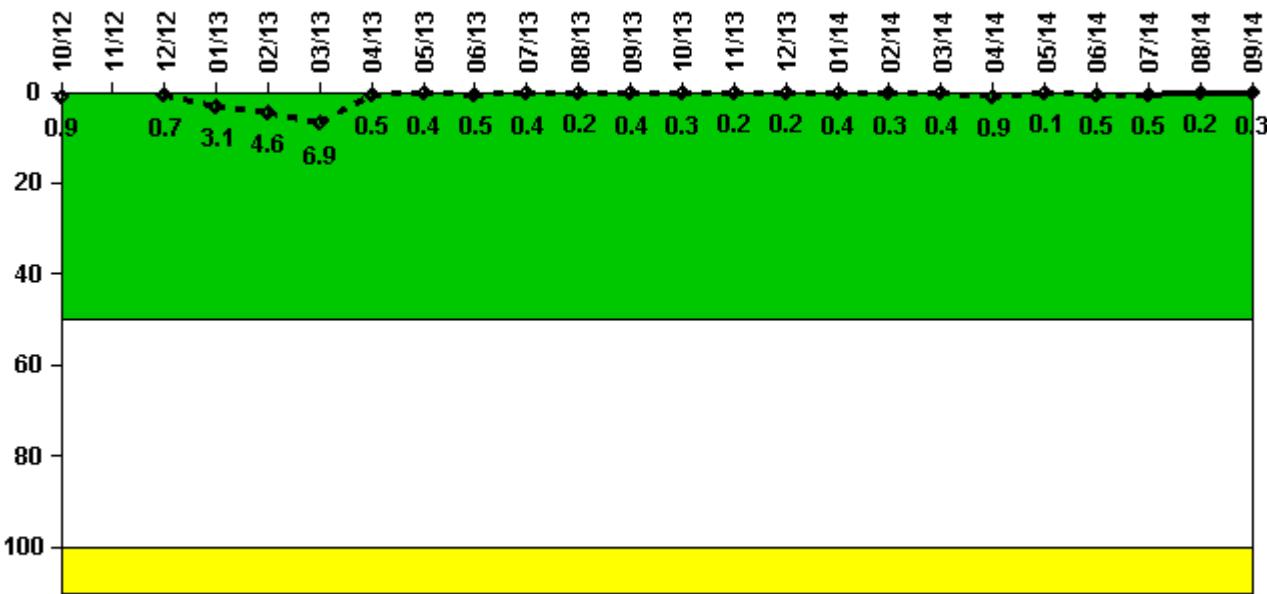
Notes

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	0.000199	N/A	0.000096	0.000095	0.000094	0.000095	0.000102	0.000098	0.000111	0.000116	0.000206	0.000121
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.3	N/A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
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	0.000124	0.000122	0.000125	0.000136	0.000141	0.000147	0.000346	N/A	0.000085	0.000088	0.000099	0.000090
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	N/A	0.1	0.1	0.2

Licensee Comments:

12/12: The plant was shutdown for a scheduled refueling outage for the entire month of November 2012.

Reactor Coolant System Leakage



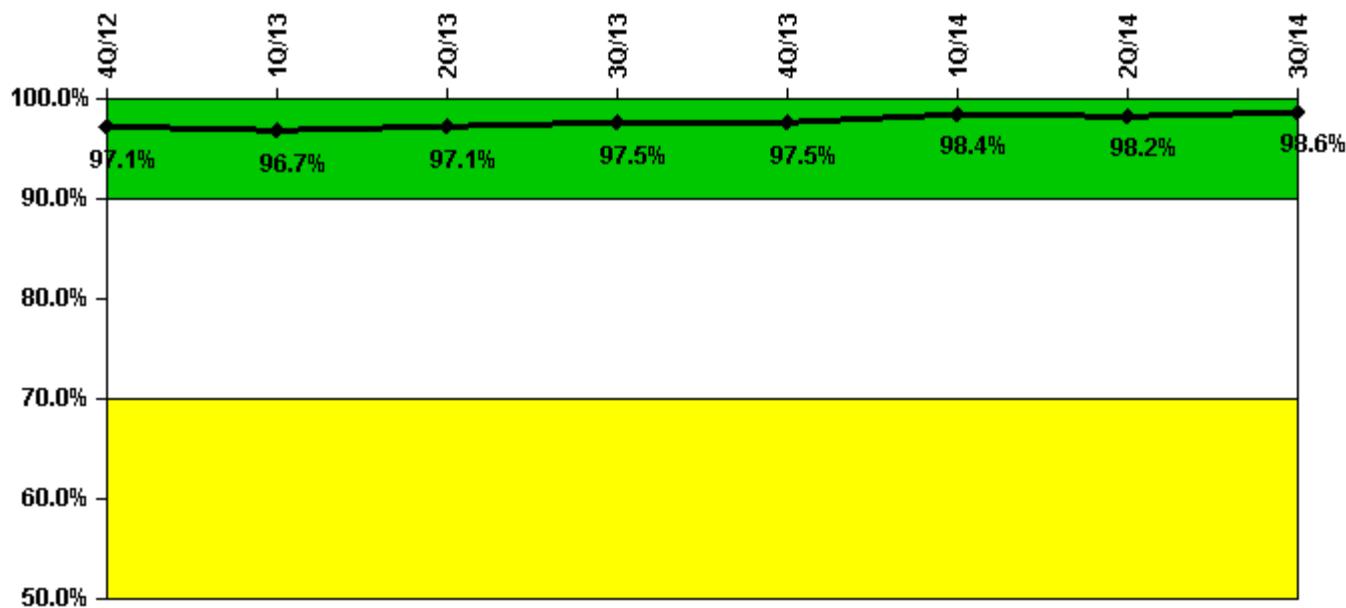
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13
Maximum leakage	0.090	N/A	0.070	0.310	0.460	0.690	0.050	0.040	0.050	0.040	0.020	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	N/A	0.7	3.1	4.6	6.9	0.5	0.4	0.5	0.4	0.2	0.4
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	0.030	0.020	0.020	0.040	0.030	0.040	0.090	0.010	0.050	0.050	0.020	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.2	0.2	0.4	0.3	0.4	0.9	0.1	0.5	0.5	0.2	0.3

Licensee Comments:

12/12: The plant was shutdown for a scheduled refueling outage for the entire month of November 2012.

Drill/Exercise Performance

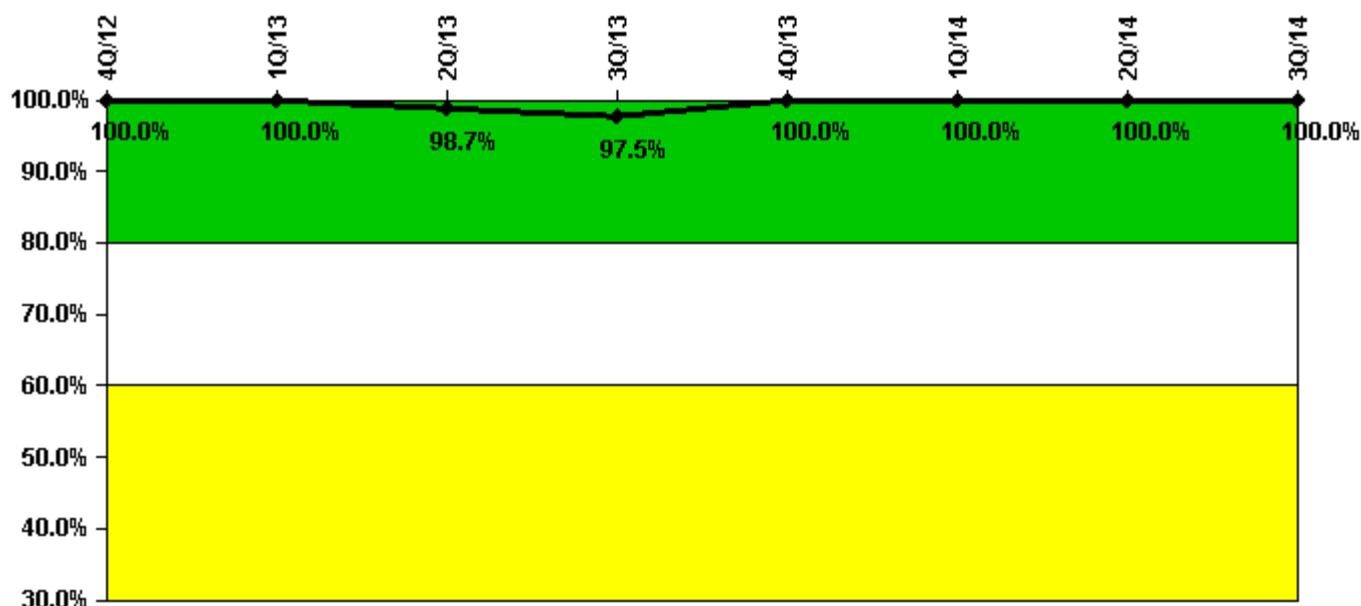
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful opportunities	16.0	30.0	88.0	61.0	45.0	34.0	12.0	71.0
Total opportunities	16.0	32.0	90.0	62.0	45.0	34.0	12.0	71.0
Indicator value	97.1%	96.7%	97.1%	97.5%	97.5%	98.4%	98.2%	98.6%

Licensee Comments: none

ERO Drill Participation



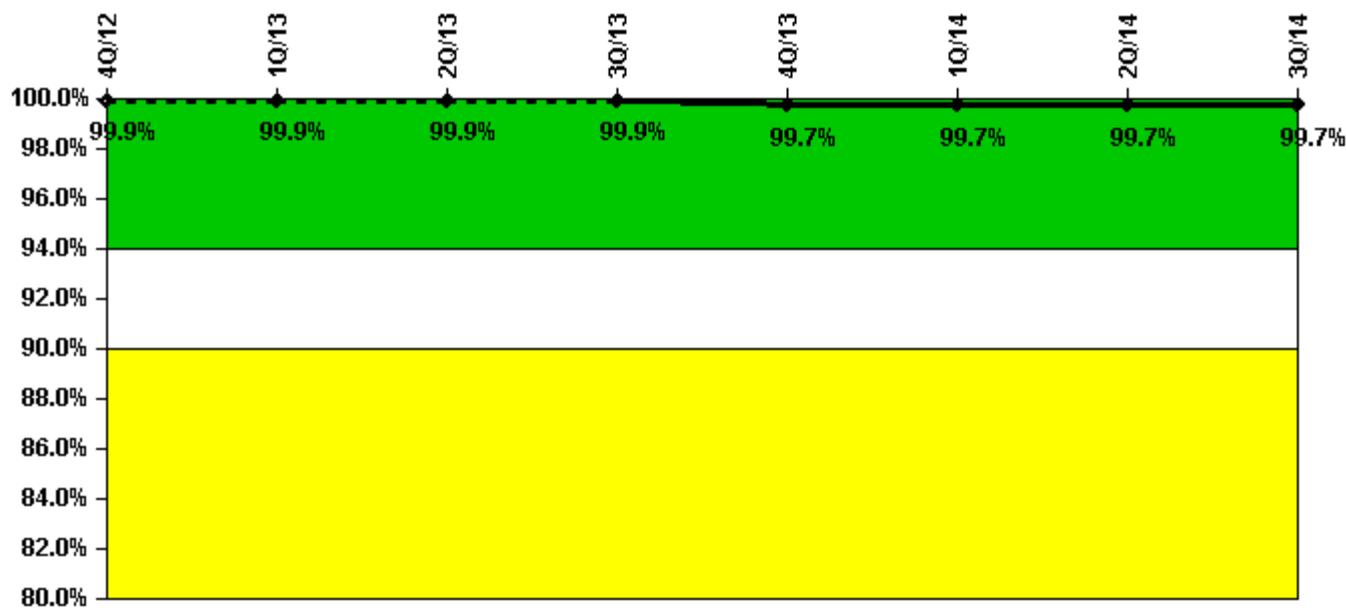
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Participating Key personnel	75.0	75.0	75.0	78.0	82.0	85.0	78.0	85.0
Total Key personnel	75.0	75.0	76.0	80.0	82.0	85.0	78.0	85.0
Indicator value	100.0%	100.0%	98.7%	97.5%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



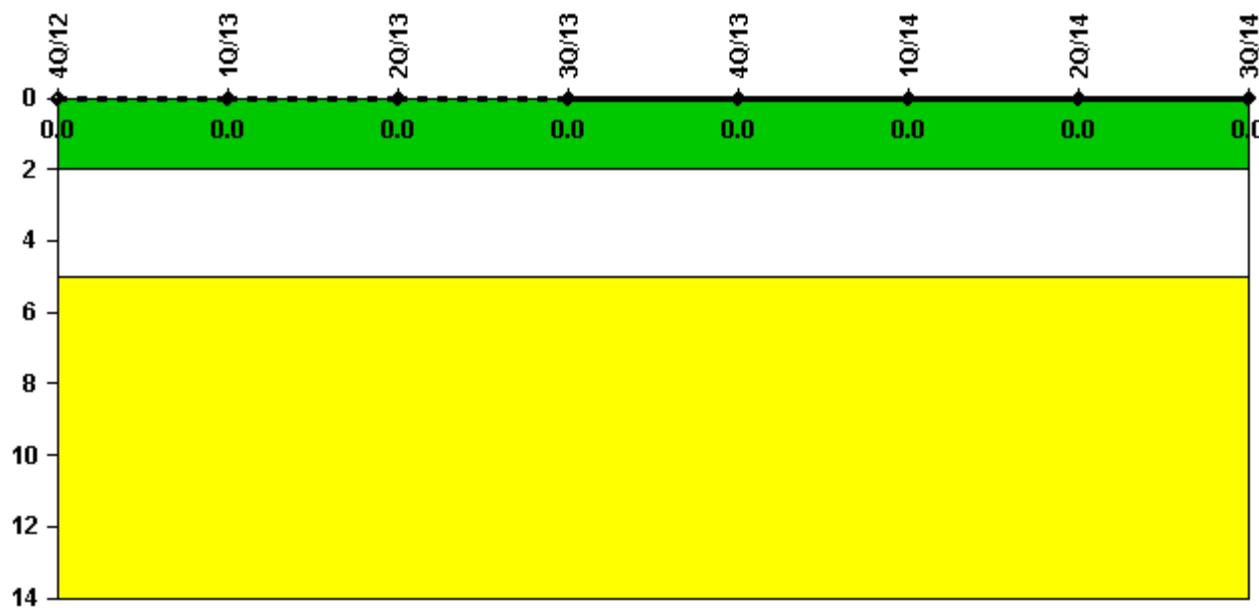
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful siren-tests	848	741	742	847	842	741	846	742
Total sirens-tests	848	742	742	848	848	742	848	742
Indicator value	99.9%	99.9%	99.9%	99.9%	99.7%	99.7%	99.7%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



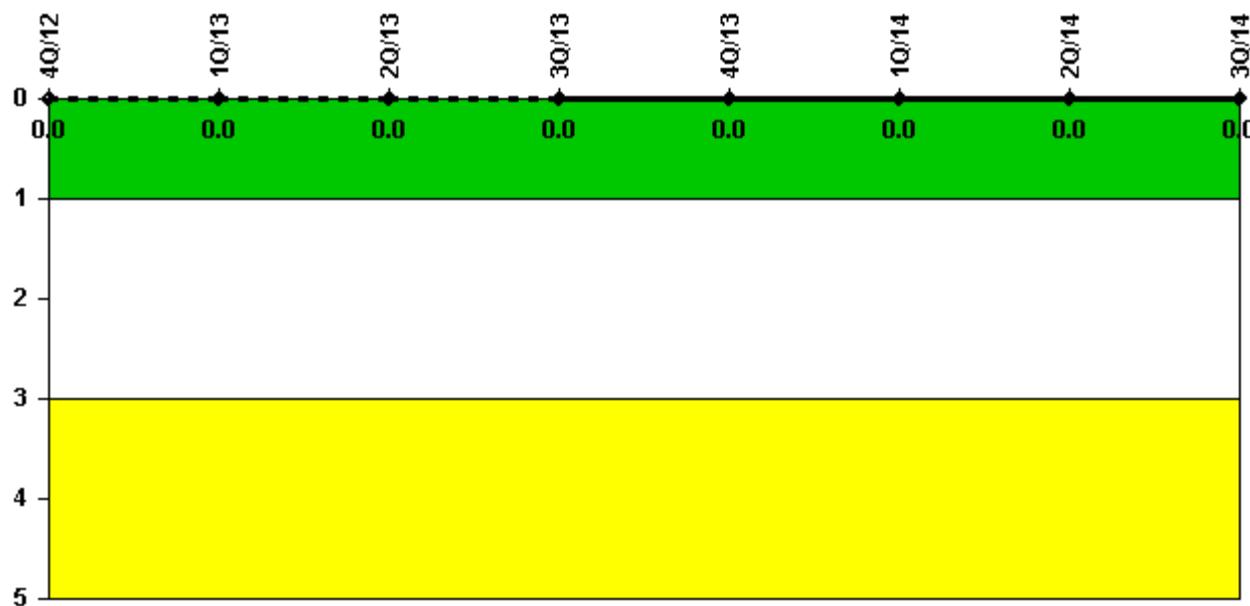
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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							

Licensee Comments: none

RETS/ODCM Radiological Effluent



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							

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

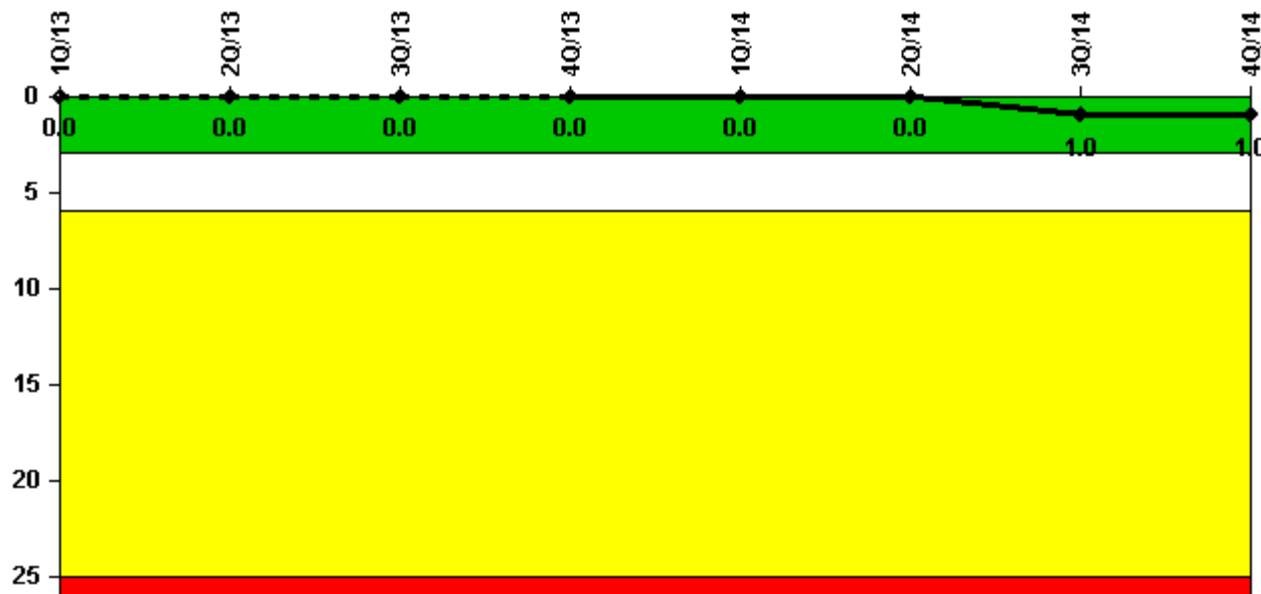
Summer

4Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



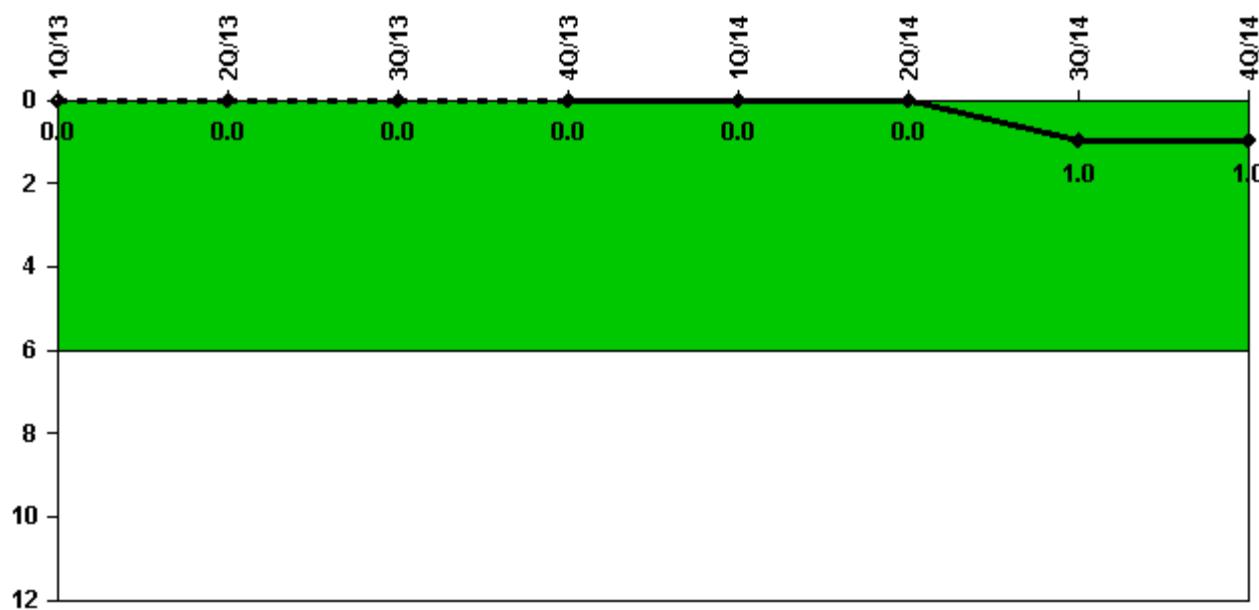
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned scrams	0	0	0	0	0	0	1.0	0
Critical hours	1944.9	2157.1	2208.0	2209.0	2159.0	853.9	2012.4	2209.0
Indicator value	0	0	0	0	0	0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



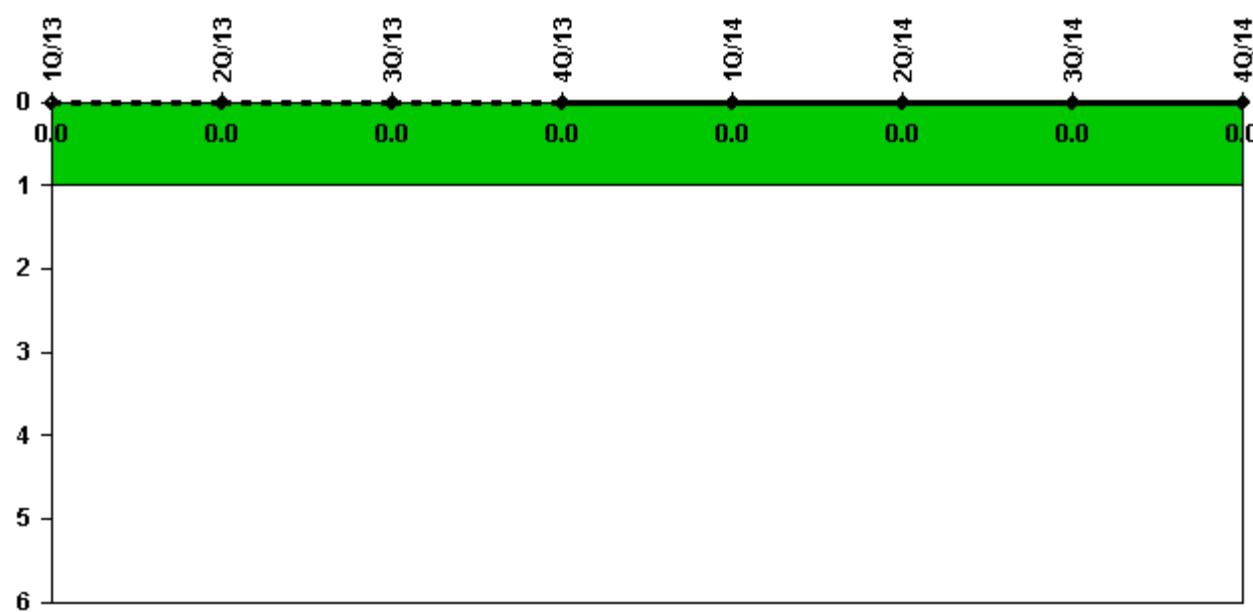
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	1944.9	2157.1	2208.0	2209.0	2159.0	853.9	2012.4	2209.0
Indicator value	0	0	0	0	0	0	1.0	1.0

Licensee Comments: none

Unplanned Scrams with Complications



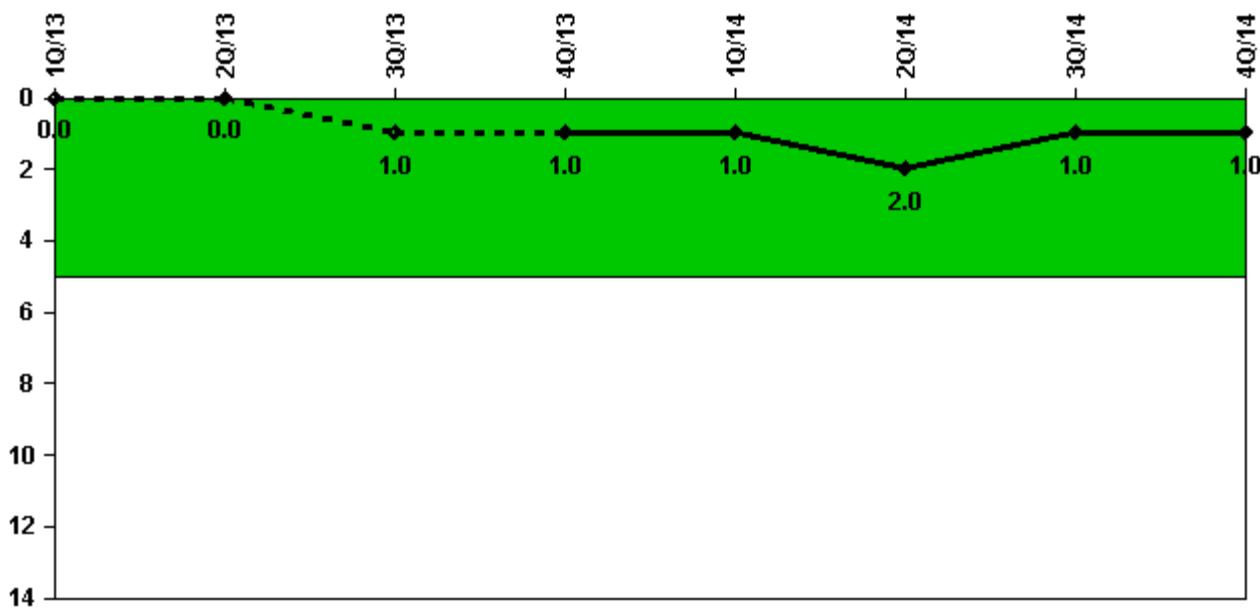
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

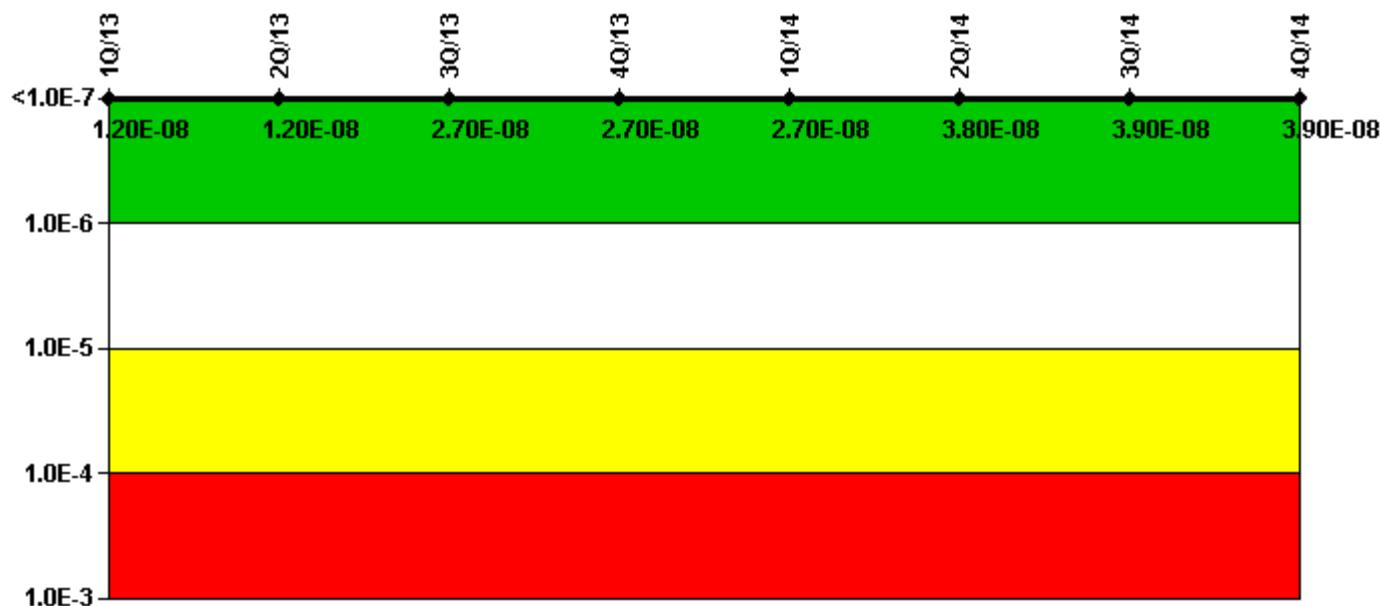
Notes

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

Licensee Comments:

2Q/14: LER 2014-001 CCW Emergency Makeup Valve failed to stroke properly.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

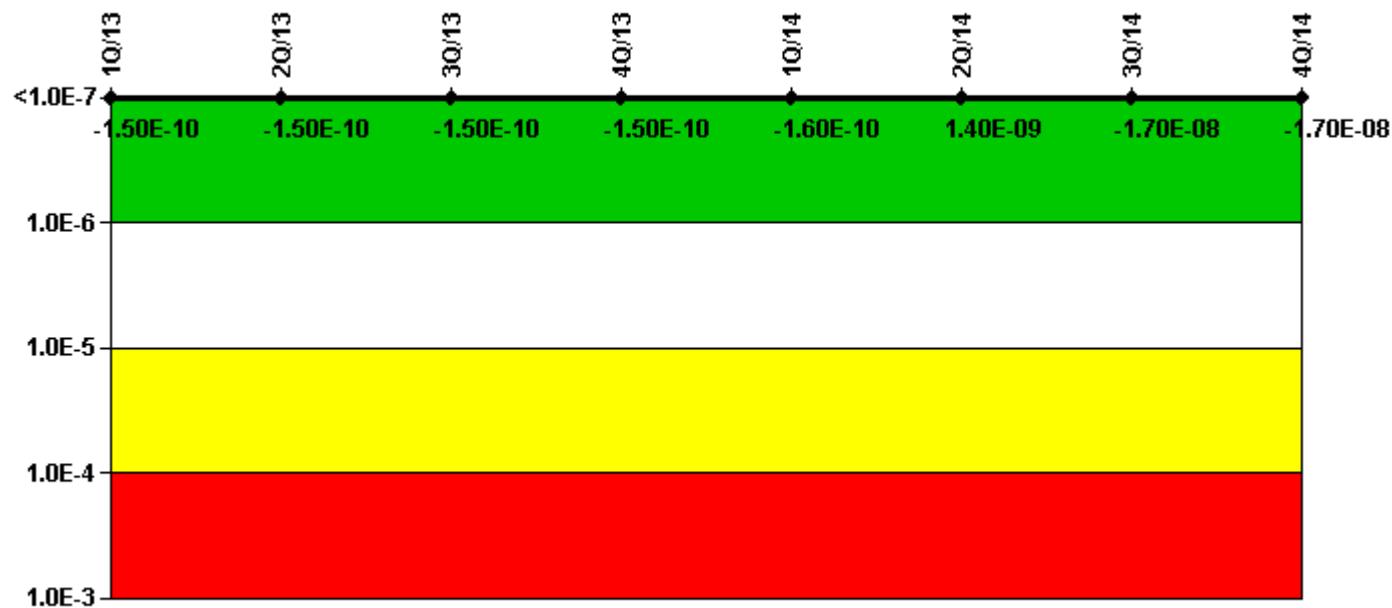
Mitigating Systems Performance Index, Emergency AC Power System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	1.94E-08	1.94E-08	3.39E-08	3.39E-08	3.38E-08	4.24E-08	4.30E-08	4.30E-08
URI (Δ CDF)	-7.19E-09	-7.19E-09	-7.19E-09	-7.19E-09	-7.19E-09	-4.44E-09	-4.44E-09	-4.44E-09
PLE	NO							
Indicator value	1.20E-08	1.20E-08	2.70E-08	2.70E-08	2.70E-08	3.80E-08	3.90E-08	3.90E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. EAC Baseline Planned Unavailability was adjusted to reflect the current maintenance strategy to support 24 month on-line overhaul schedule. Correct an error discovered regarding Unavailability events used for EAC (A and B DGs) and AFW (Terry Turbine) and the values being reported.

1Q/14: 3/5/2014 "A" DG was taken out of service for 36 hours 26 minutes for maintenance & repairs.
3/16/2014 - "B" DG taken out of service 140 hours 39 minutes for overhaul. 3/23/2014 - "B" DG taken out of service for 2 hours 2 minutes for Rocker Arm LO Filter replacement

Mitigating Systems Performance Index, High Pressure Injection System



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

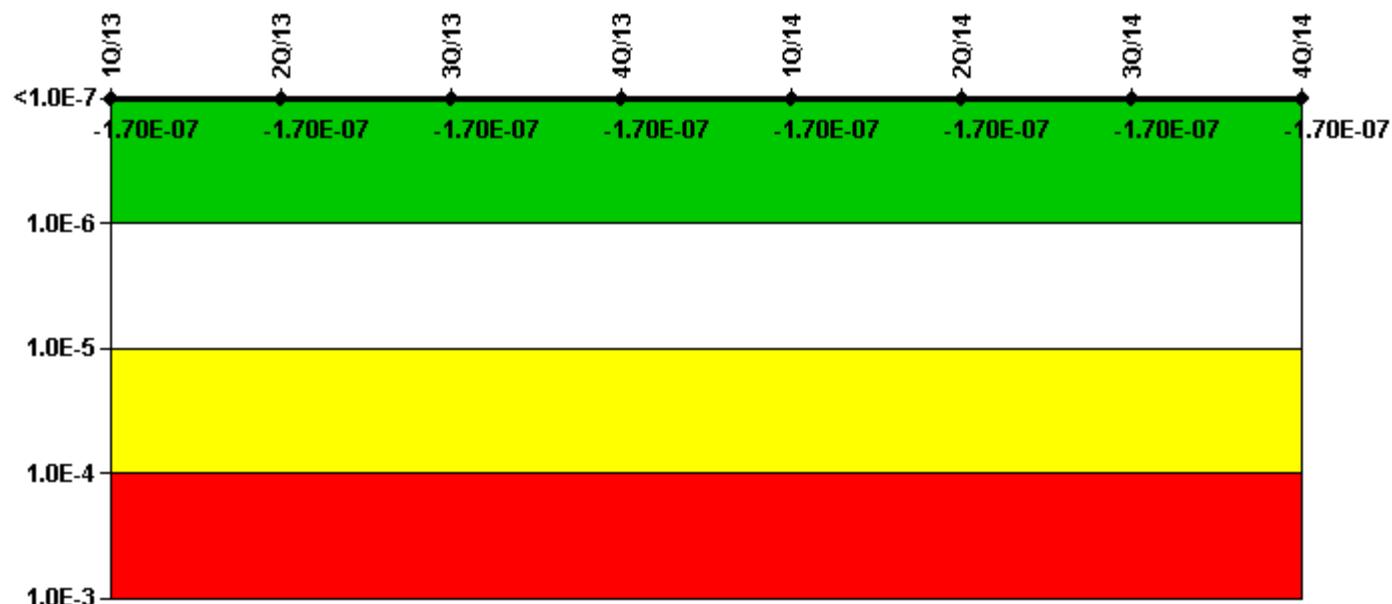
Notes

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 (Δ CDF)	-2.33E-09	-2.33E-09	-2.33E-09	-2.33E-09	-2.33E-09	-2.31E-09	-2.41E-09	-2.41E-09
URI (Δ CDF)	2.17E-09	2.17E-09	2.17E-09	2.17E-09	2.17E-09	3.68E-09	-1.43E-08	-1.43E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-10	-1.50E-10	-1.50E-10	-1.50E-10	-1.60E-10	1.40E-09	-1.70E-08	-1.70E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b.

Mitigating Systems Performance Index, Heat Removal System



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

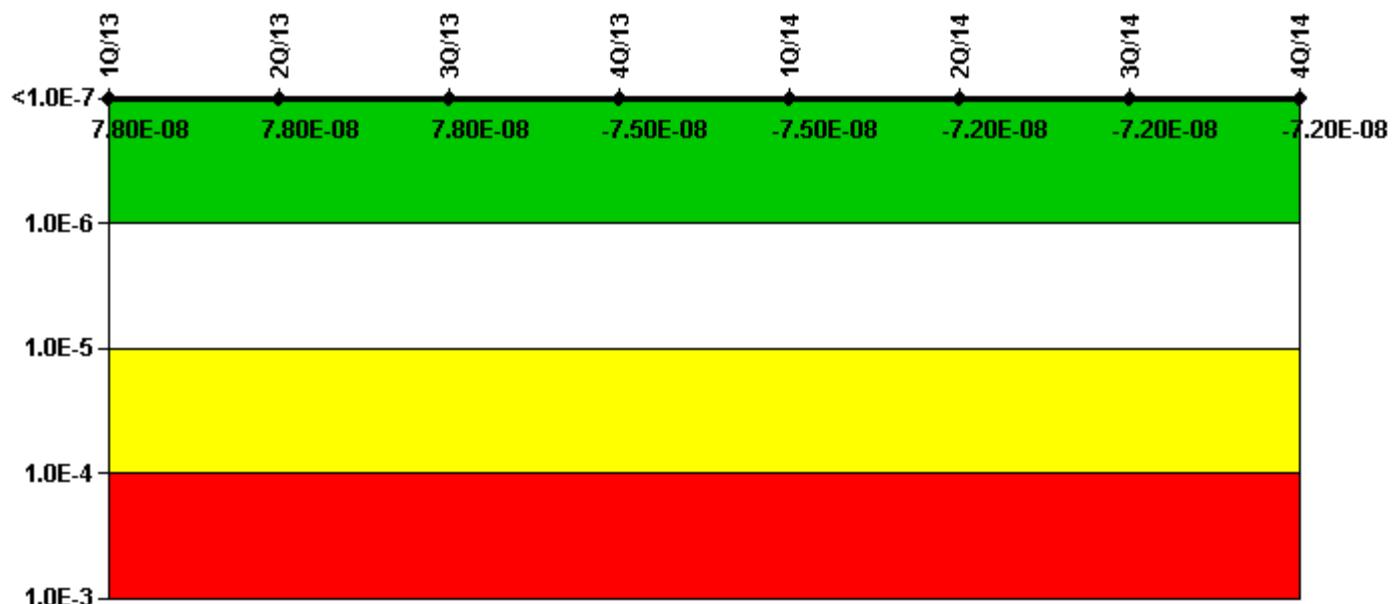
Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	-1.38E-08	-1.39E-08	-1.41E-08	-1.45E-08	-1.23E-08	-1.62E-08	-1.59E-08	-1.60E-08
URI (Δ CDF)	-1.55E-07	-1.55E-07	-1.55E-07	-1.55E-07	-1.55E-07	-1.56E-07	-1.56E-07	-1.56E-07
PLE	NO							
Indicator value	-1.70E-07							

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. Correct an error discovered regarding Unavailability events used for EAC (A and B DGs) and AFW (Terry Turbine) and the values being reported.

Mitigating Systems Performance Index, Residual Heat Removal System



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

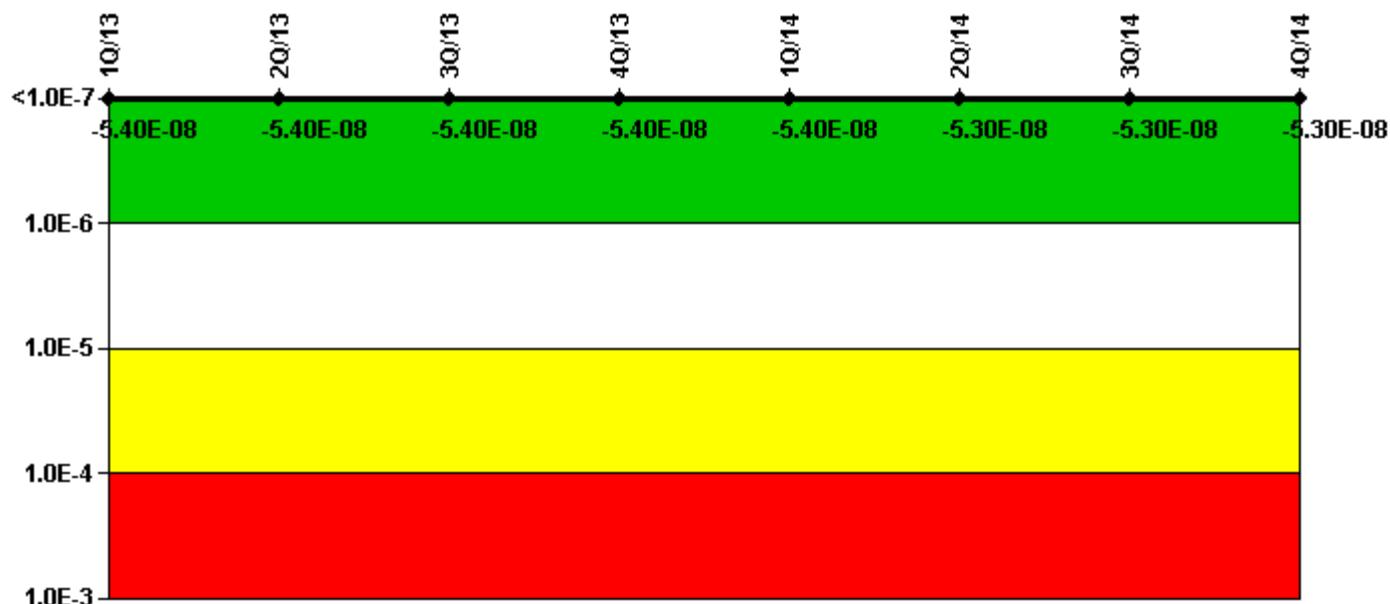
Notes

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 (Δ CDF)	-3.21E-09	-3.21E-09	-3.22E-09	-8.66E-09	-8.66E-09	-7.82E-09	-7.82E-09	-7.82E-09
URI (Δ CDF)	8.08E-08	8.08E-08	8.08E-08	-6.66E-08	-6.66E-08	-6.37E-08	-6.37E-08	-6.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.80E-08	7.80E-08	7.80E-08	-7.50E-08	-7.50E-08	-7.20E-08	-7.20E-08	-7.20E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b.

Mitigating Systems Performance Index, Cooling Water Systems



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

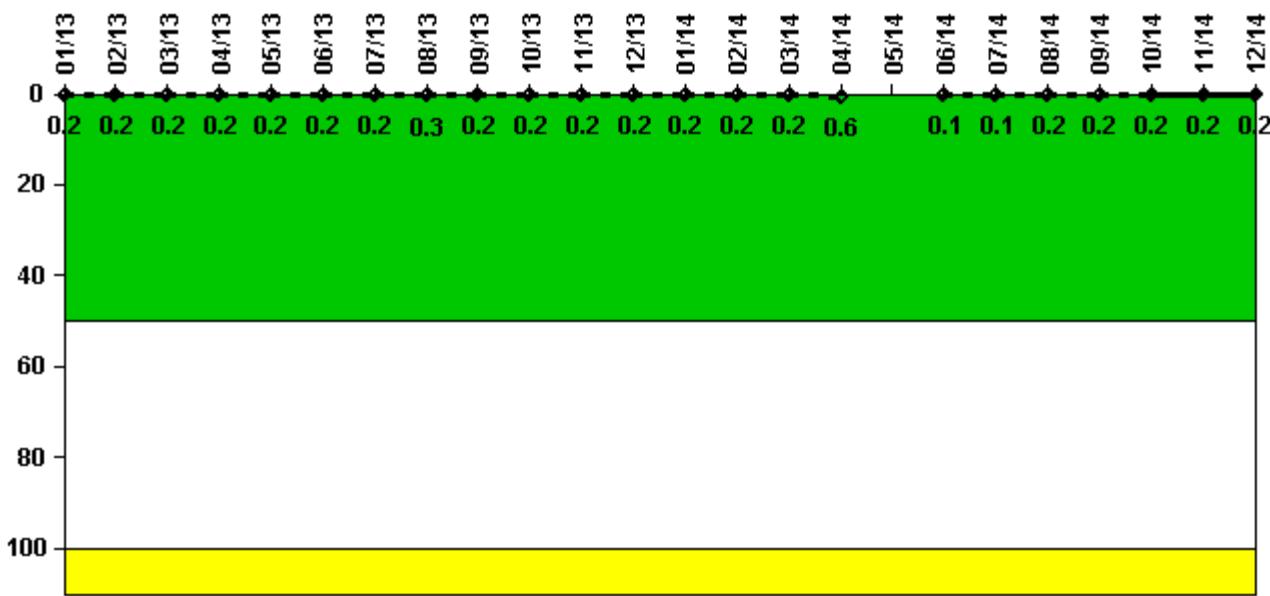
Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	-6.98E-09	-6.98E-09	-6.98E-09	-6.98E-09	-6.98E-09	-6.95E-09	-6.95E-09	-6.95E-09
URI (Δ CDF)	-4.66E-08	-4.66E-08	-4.66E-08	-4.66E-08	-4.66E-08	-4.57E-08	-4.57E-08	-4.57E-08
PLE	NO							
Indicator value	-5.40E-08	-5.40E-08	-5.40E-08	-5.40E-08	-5.40E-08	-5.30E-08	-5.30E-08	-5.30E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b

Reactor Coolant System Activity



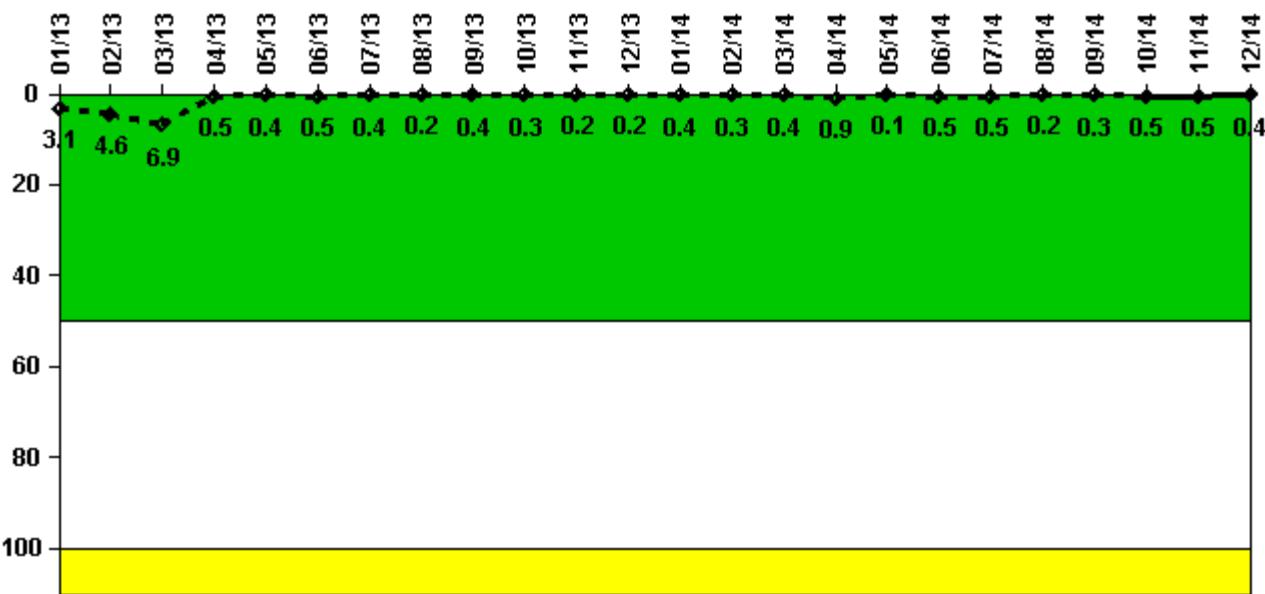
Thresholds: White > 50.0 Yellow > 100.0

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	0.000095	0.000094	0.000095	0.000102	0.000098	0.000111	0.000116	0.000206	0.000121	0.000124	0.000122	0.000125
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2
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	0.000136	0.000141	0.000147	0.000346	N/A	0.000085	0.000088	0.000099	0.000090	0.000093	0.000102	0.000102
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	0.2	0.2	0.6	N/A	0.1	0.1	0.2	0.2	0.2	0.2	0.2

Licensee Comments: none

Reactor Coolant System Leakage



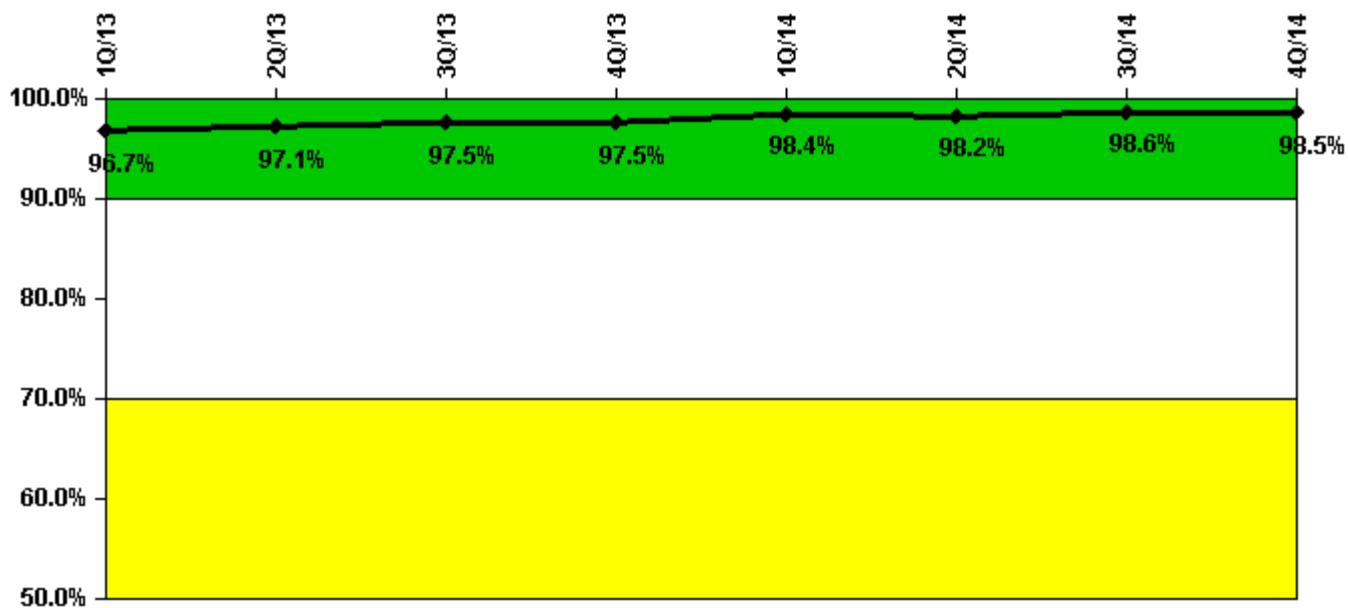
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum leakage	0.310	0.460	0.690	0.050	0.040	0.050	0.040	0.020	0.040	0.030	0.020	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	3.1	4.6	6.9	0.5	0.4	0.5	0.4	0.2	0.4	0.3	0.2	0.2
Reactor Coolant System Leakage	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum leakage	0.040	0.030	0.040	0.090	0.010	0.050	0.050	0.020	0.030	0.050	0.050	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.4	0.3	0.4	0.9	0.1	0.5	0.5	0.2	0.3	0.5	0.5	0.4

Licensee Comments: none

Drill/Exercise Performance



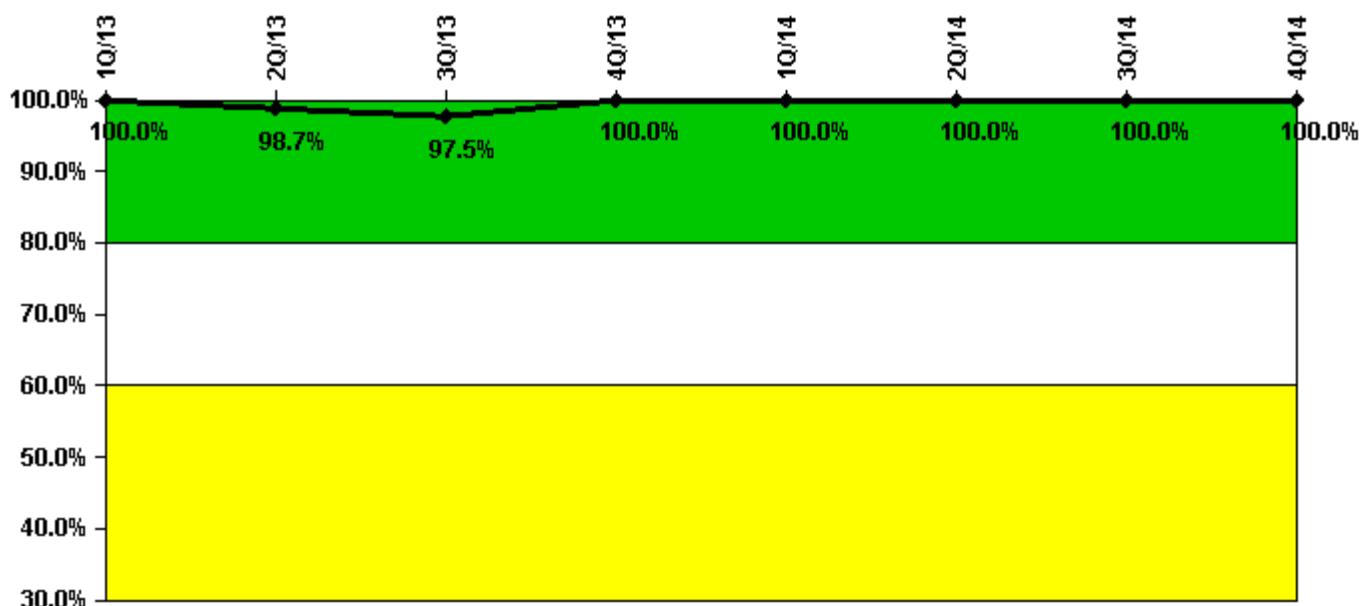
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful opportunities	30.0	88.0	61.0	45.0	34.0	12.0	71.0	53.0
Total opportunities	32.0	90.0	62.0	45.0	34.0	12.0	71.0	54.0
Indicator value	96.7%	97.1%	97.5%	97.5%	98.4%	98.2%	98.6%	98.5%

Licensee Comments: none

ERO Drill Participation

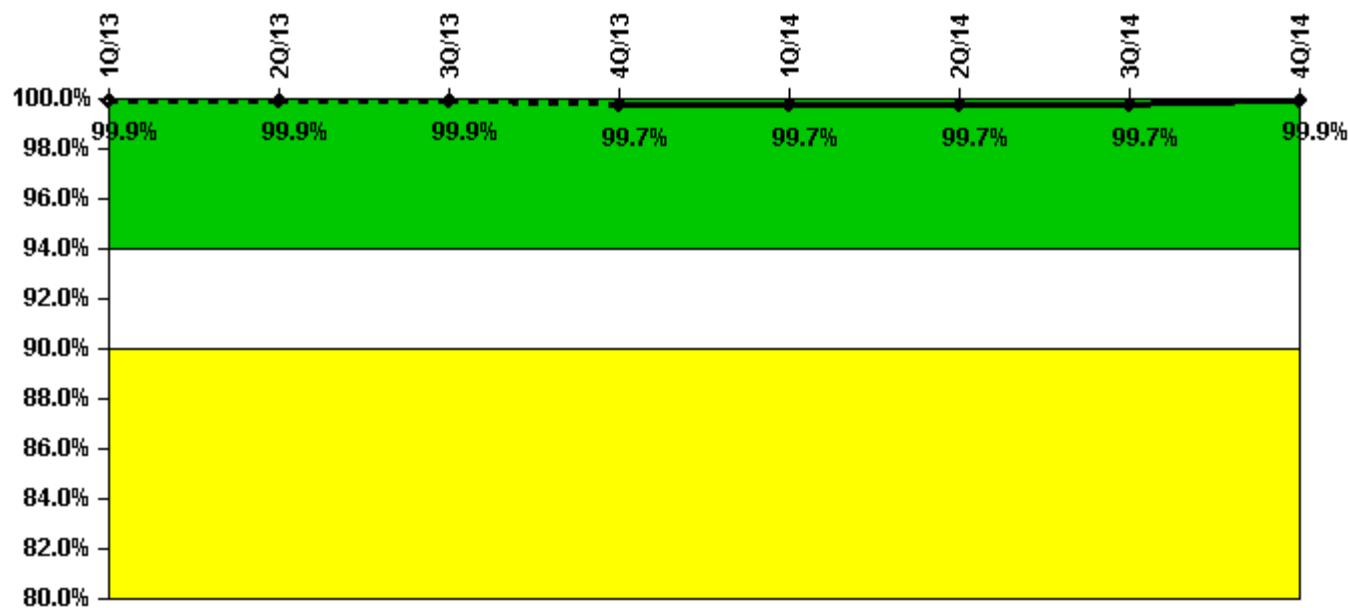


Notes

ERO Drill Participation	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Participating Key personnel	75.0	75.0	78.0	82.0	85.0	78.0	85.0	86.0
Total Key personnel	75.0	76.0	80.0	82.0	85.0	78.0	85.0	86.0
Indicator value	100.0%	98.7%	97.5%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



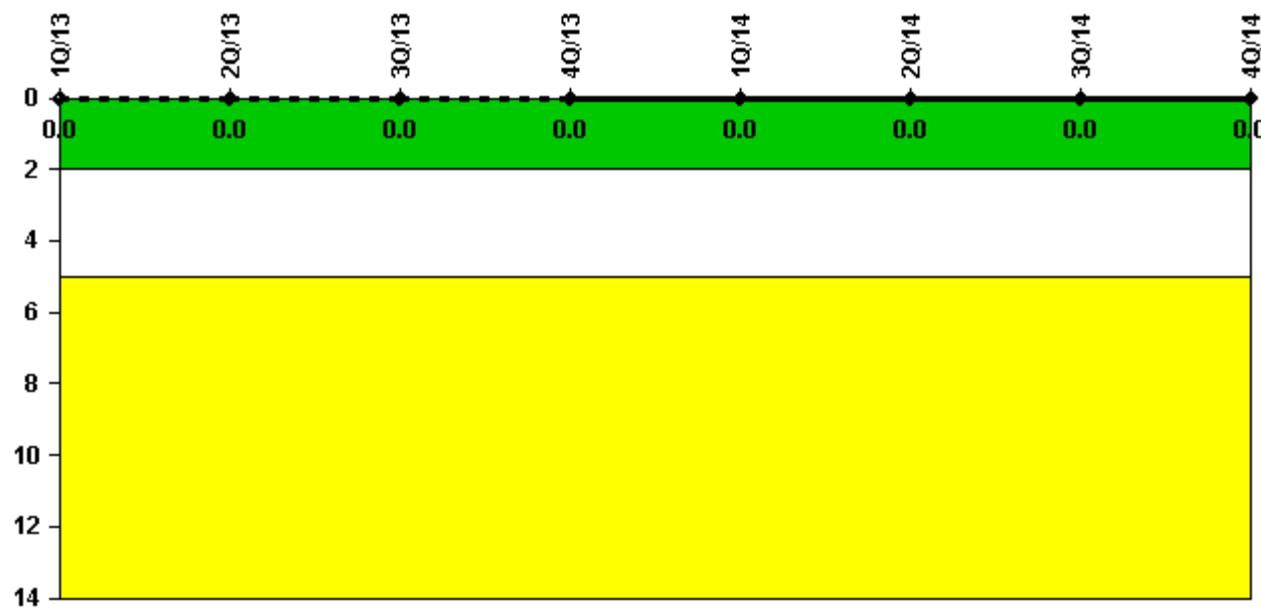
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful siren-tests	741	742	847	842	741	846	742	848
Total sirens-tests	742	742	848	848	742	848	742	848
Indicator value	99.9%	99.9%	99.9%	99.7%	99.7%	99.7%	99.7%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



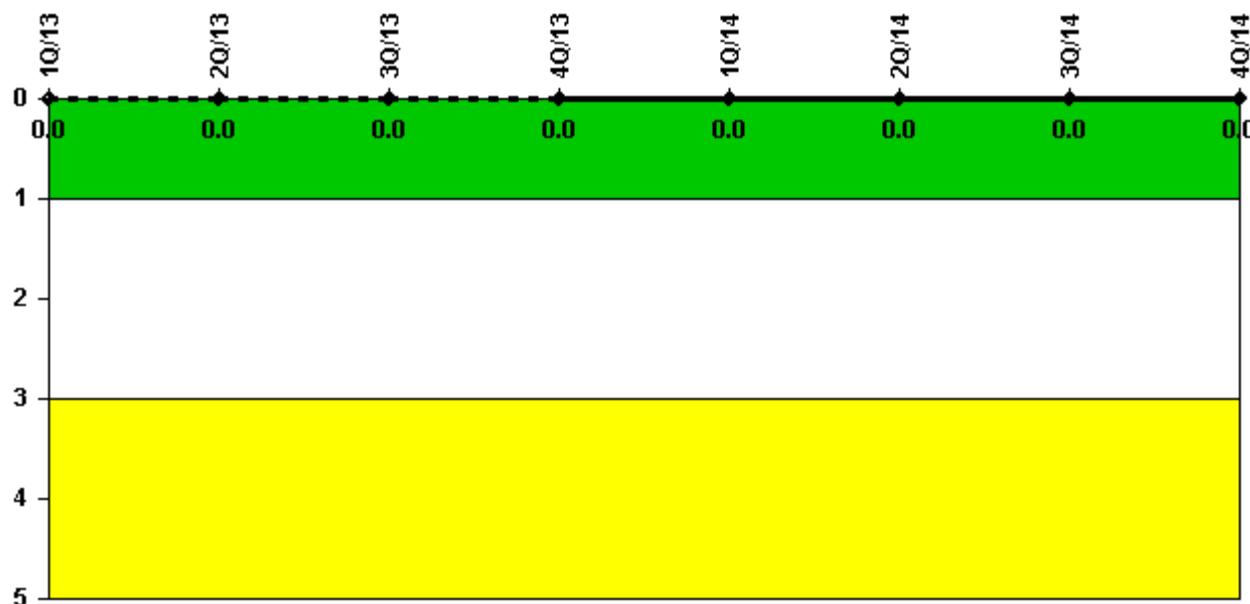
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0							

Licensee Comments: none

RETS/ODCM Radiological Effluent



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							

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

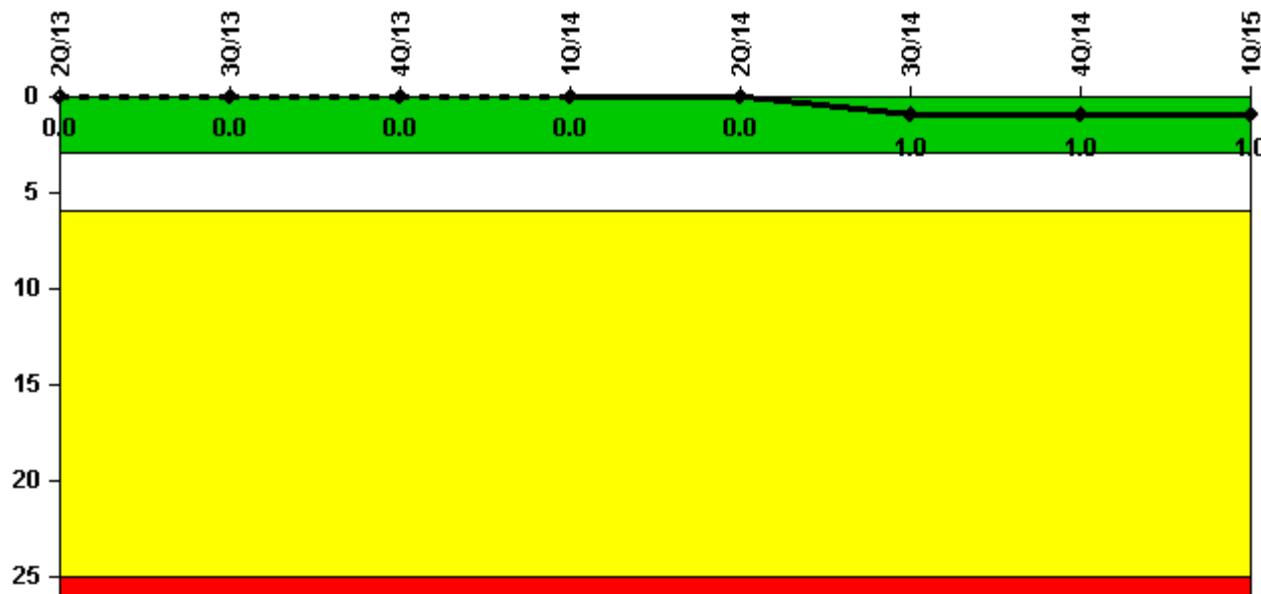
Summer

1Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



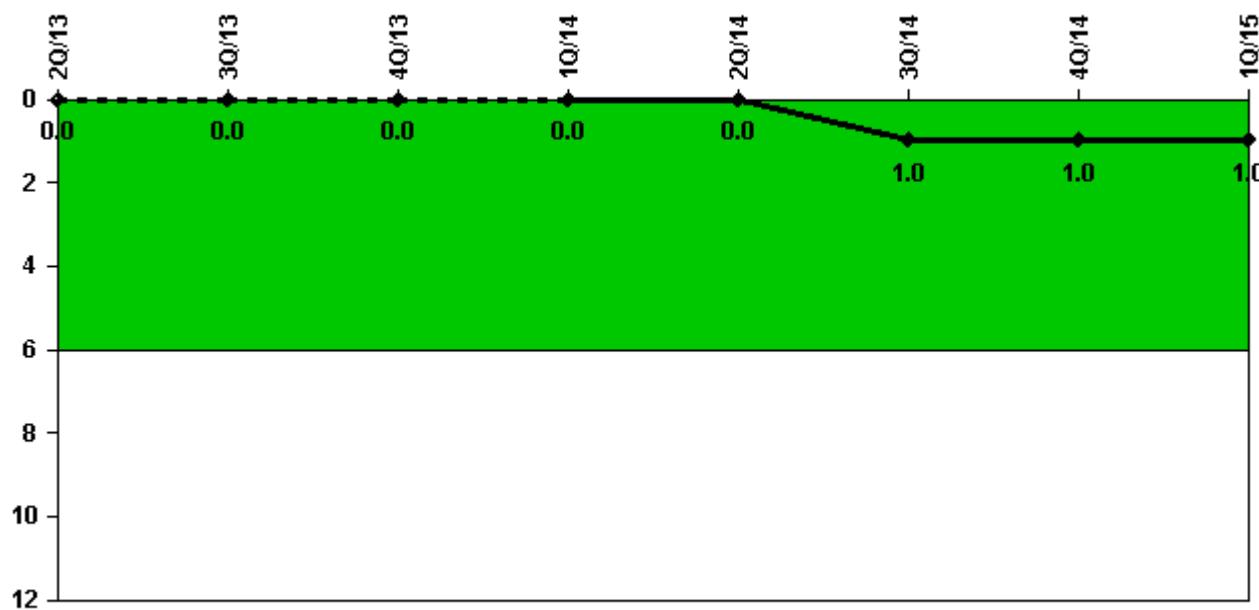
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2157.1	2208.0	2209.0	2159.0	853.9	2012.4	2209.0	2159.0
Indicator value	0	0	0	0	0	1.0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



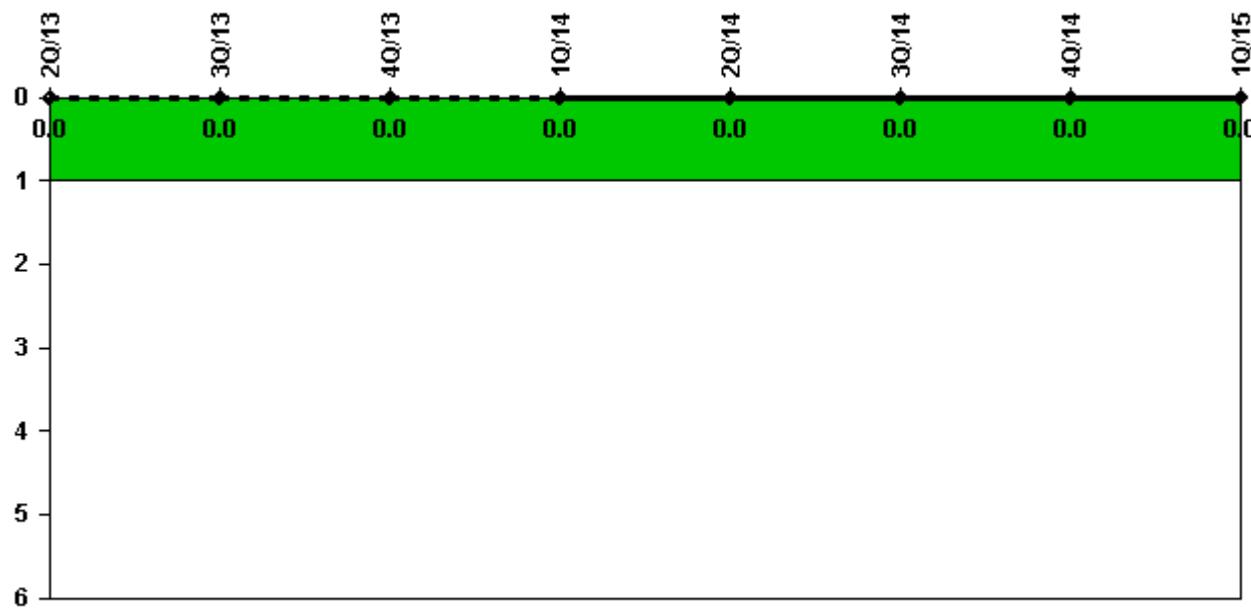
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2157.1	2208.0	2209.0	2159.0	853.9	2012.4	2209.0	2159.0
Indicator value	0	0	0	0	0	1.0	1.0	1.0

Licensee Comments: none

Unplanned Scrams with Complications



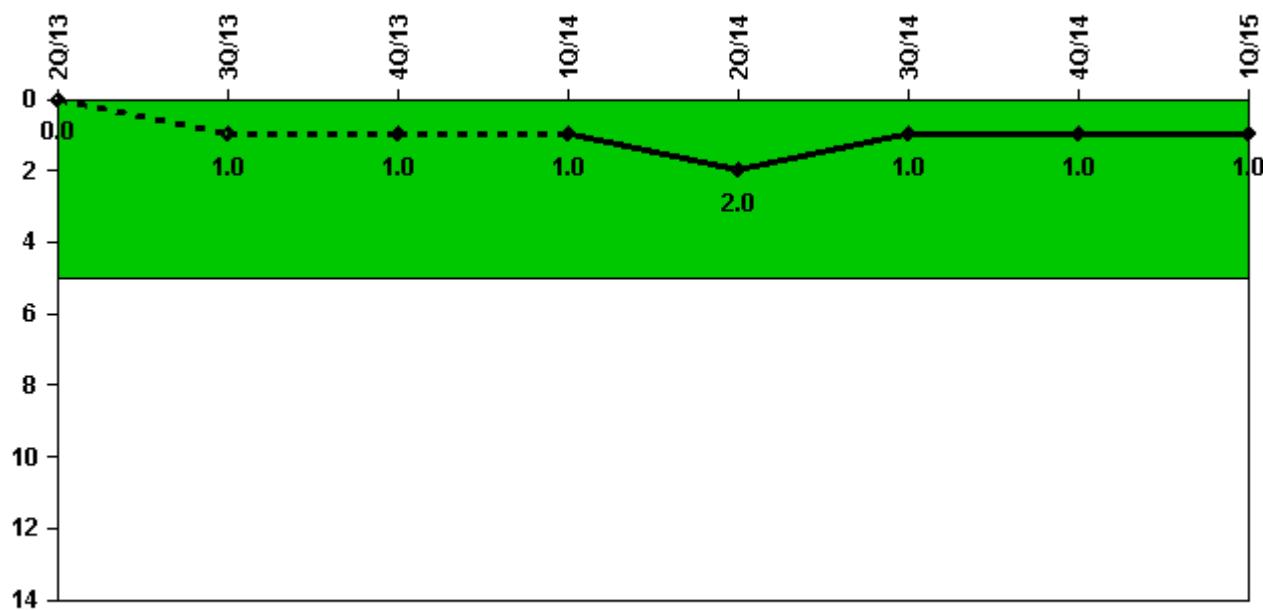
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

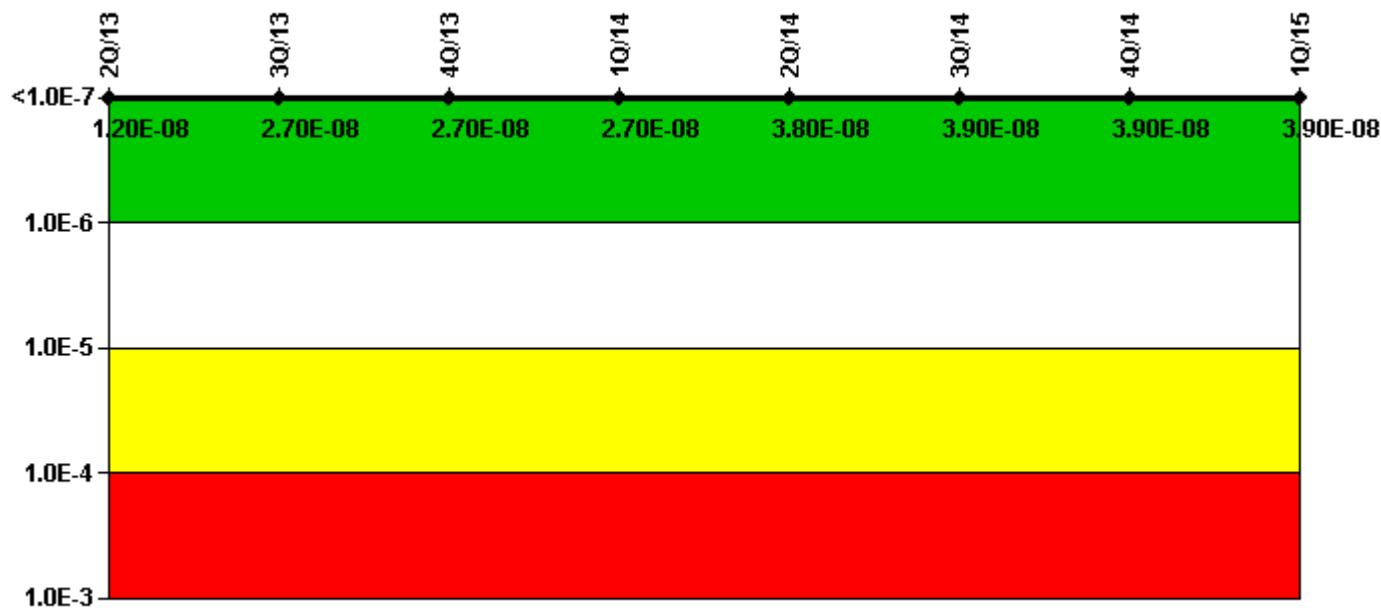
Notes

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

Licensee Comments:

2Q/14: LER 2014-001 CCW Emergency Makeup Valve failed to stroke properly.

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 (Δ CDF)	1.94E-08	3.39E-08	3.39E-08	3.38E-08	4.24E-08	4.30E-08	4.30E-08	4.30E-08
URI (Δ CDF)	-7.19E-09	-7.19E-09	-7.19E-09	-7.19E-09	-4.44E-09	-4.44E-09	-4.44E-09	-4.44E-09
PLE	NO							
Indicator value	1.20E-08	2.70E-08	2.70E-08	2.70E-08	3.80E-08	3.90E-08	3.90E-08	3.90E-08

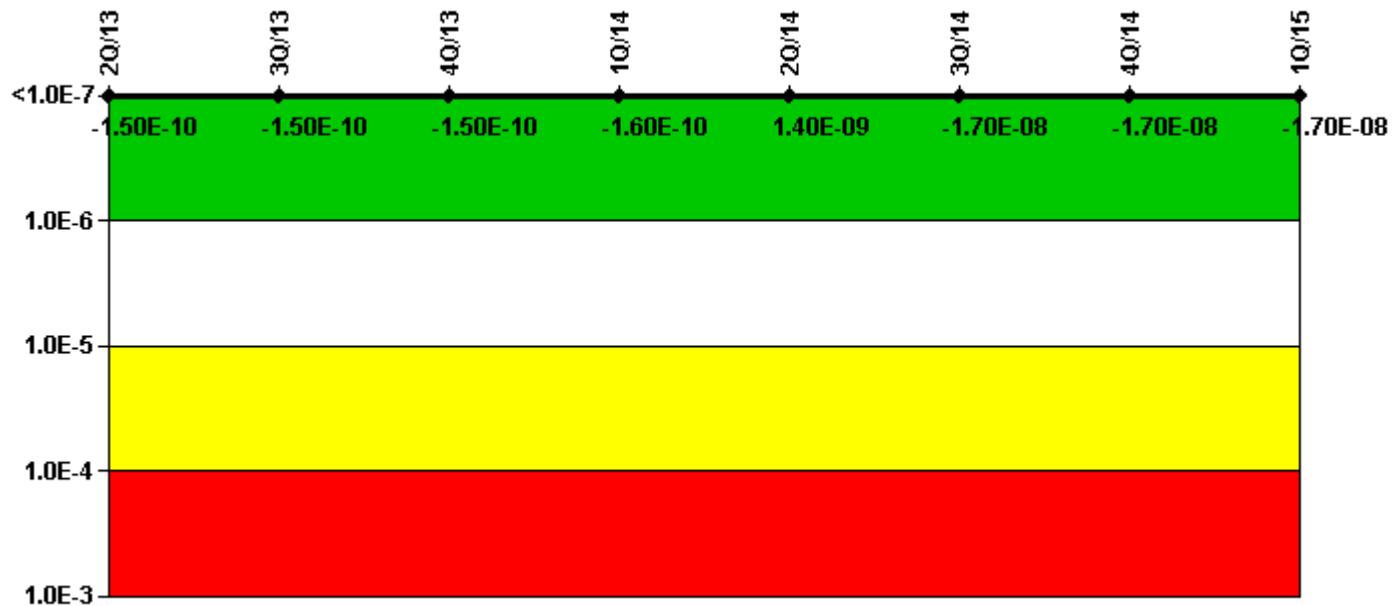
Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. EAC Baseline Planned Unavailability was adjusted to reflect the current maintenance strategy to support 24 month on-line overhaul schedule. Correct an error discovered regarding Unavailability events used for EAC (A and B DGs) and AFW (Terry Turbine) and the values being reported.

1Q/14: 3/5/2014 "A" DG was taken out of service for 36 hours 26 minutes for maintenance & repairs.

3/16/2014 - "B" DG taken out of service 140 hours 39 minutes for overhaul. 3/23/2014 - "B" DG taken out of service for 2 hours 2 minutes for Rocker Arm LO Filter replacement

Mitigating Systems Performance Index, High Pressure Injection System



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

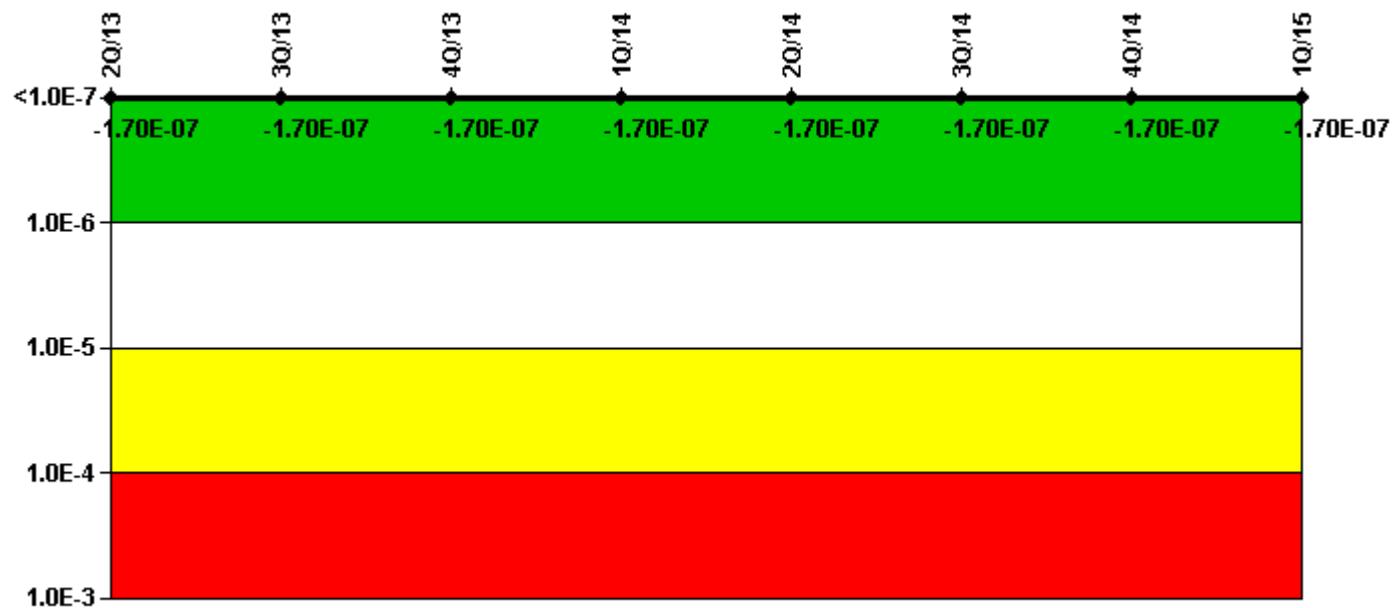
Notes

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 (Δ CDF)	-2.33E-09	-2.33E-09	-2.33E-09	-2.33E-09	-2.31E-09	-2.41E-09	-2.41E-09	-2.41E-09
URI (Δ CDF)	2.17E-09	2.17E-09	2.17E-09	2.17E-09	3.68E-09	-1.43E-08	-1.43E-08	-1.43E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-10	-1.50E-10	-1.50E-10	-1.60E-10	1.40E-09	-1.70E-08	-1.70E-08	-1.70E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b.

Mitigating Systems Performance Index, Heat Removal System



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

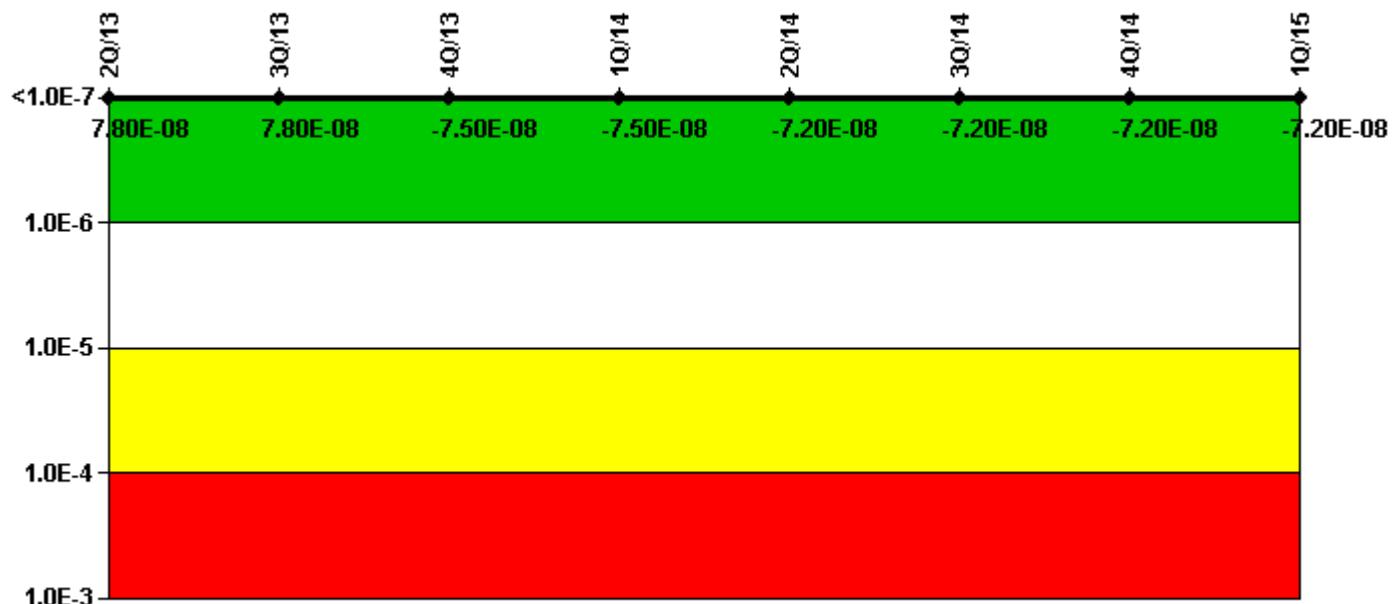
Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (Δ CDF)	-1.39E-08	-1.41E-08	-1.45E-08	-1.23E-08	-1.62E-08	-1.59E-08	-1.60E-08	-1.73E-08
URI (Δ CDF)	-1.55E-07	-1.55E-07	-1.55E-07	-1.55E-07	-1.56E-07	-1.56E-07	-1.56E-07	-1.56E-07
PLE	NO							
Indicator value	-1.70E-07							

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. Correct an error discovered regarding Unavailability events used for EAC (A and B DGs) and AFW (Terry Turbine) and the values being reported.

Mitigating Systems Performance Index, Residual Heat Removal System



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

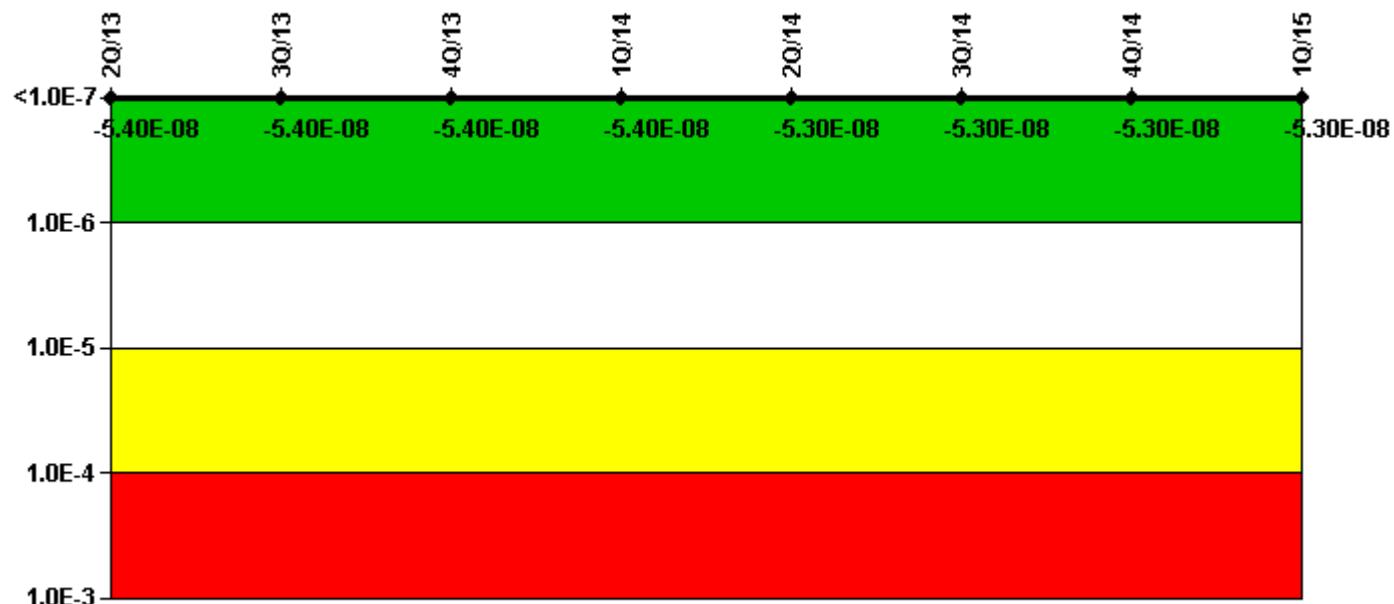
Notes

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 (Δ CDF)	-3.21E-09	-3.22E-09	-8.66E-09	-8.66E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09
URI (Δ CDF)	8.08E-08	8.08E-08	-6.66E-08	-6.66E-08	-6.37E-08	-6.37E-08	-6.37E-08	-6.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.80E-08	7.80E-08	-7.50E-08	-7.50E-08	-7.20E-08	-7.20E-08	-7.20E-08	-7.20E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b.

Mitigating Systems Performance Index, Cooling Water Systems



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

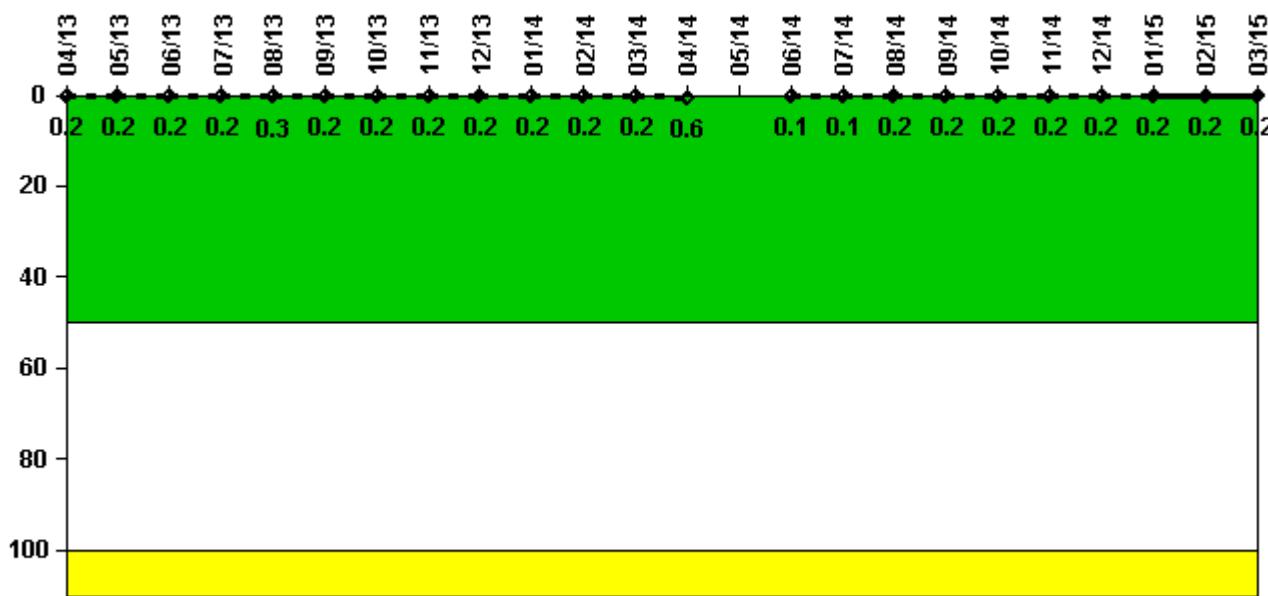
Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (Δ CDF)	-6.98E-09	-6.98E-09	-6.98E-09	-6.98E-09	-6.95E-09	-6.95E-09	-6.95E-09	-6.95E-09
URI (Δ CDF)	-4.66E-08	-4.66E-08	-4.66E-08	-4.66E-08	-4.57E-08	-4.57E-08	-4.57E-08	-4.57E-08
PLE	NO							
Indicator value	-5.40E-08	-5.40E-08	-5.40E-08	-5.40E-08	-5.30E-08	-5.30E-08	-5.30E-08	-5.30E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b

Reactor Coolant System Activity



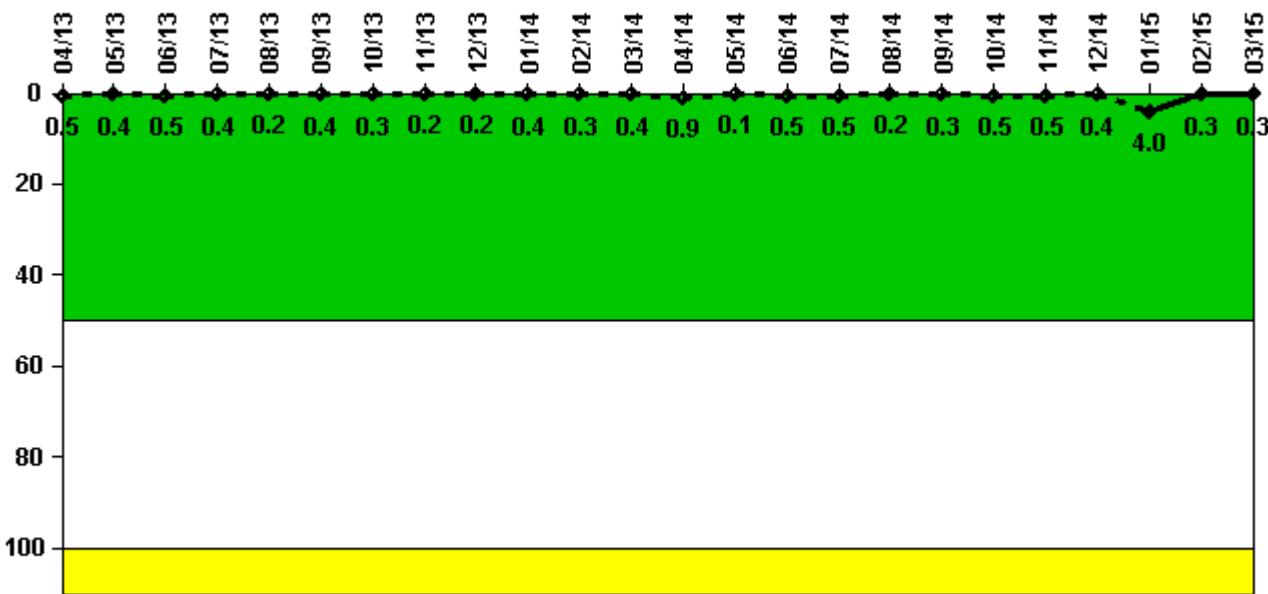
Thresholds: White > 50.0 Yellow > 100.0

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	0.000102	0.000098	0.000111	0.000116	0.000206	0.000121	0.000124	0.000122	0.000125	0.000136	0.000141	0.000147
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	0.2	0.2	0.2	0.3	0.2						
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	0.000346	N/A	0.000085	0.000088	0.000099	0.000090	0.000093	0.000102	0.000102	0.000102	0.000102	0.000102
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.6	N/A	0.1	0.1	0.2							

Licensee Comments: none

Reactor Coolant System Leakage



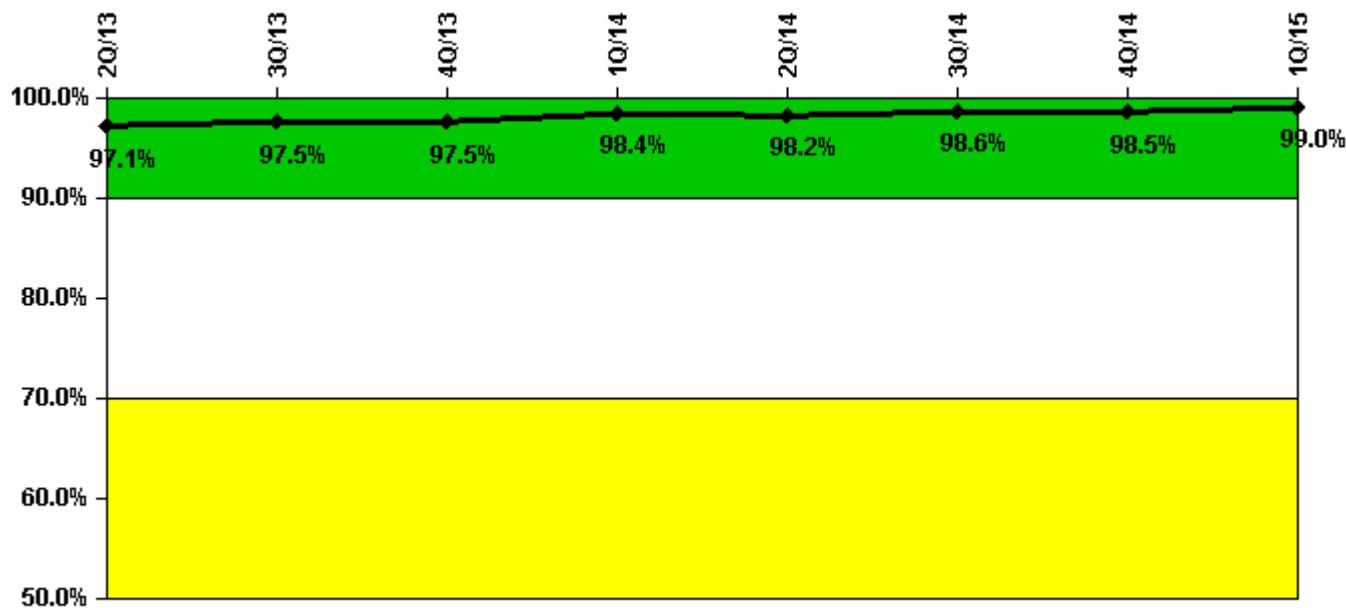
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum leakage	0.050	0.040	0.050	0.040	0.020	0.040	0.030	0.020	0.020	0.040	0.030	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.4	0.5	0.4	0.2	0.4	0.3	0.2	0.2	0.4	0.3	0.4
Reactor Coolant System Leakage	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15
Maximum leakage	0.090	0.010	0.050	0.050	0.020	0.030	0.050	0.050	0.040	0.400	0.030	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	0.1	0.5	0.5	0.2	0.3	0.5	0.5	0.4	4.0	0.3	0.3

Licensee Comments: none

Drill/Exercise Performance



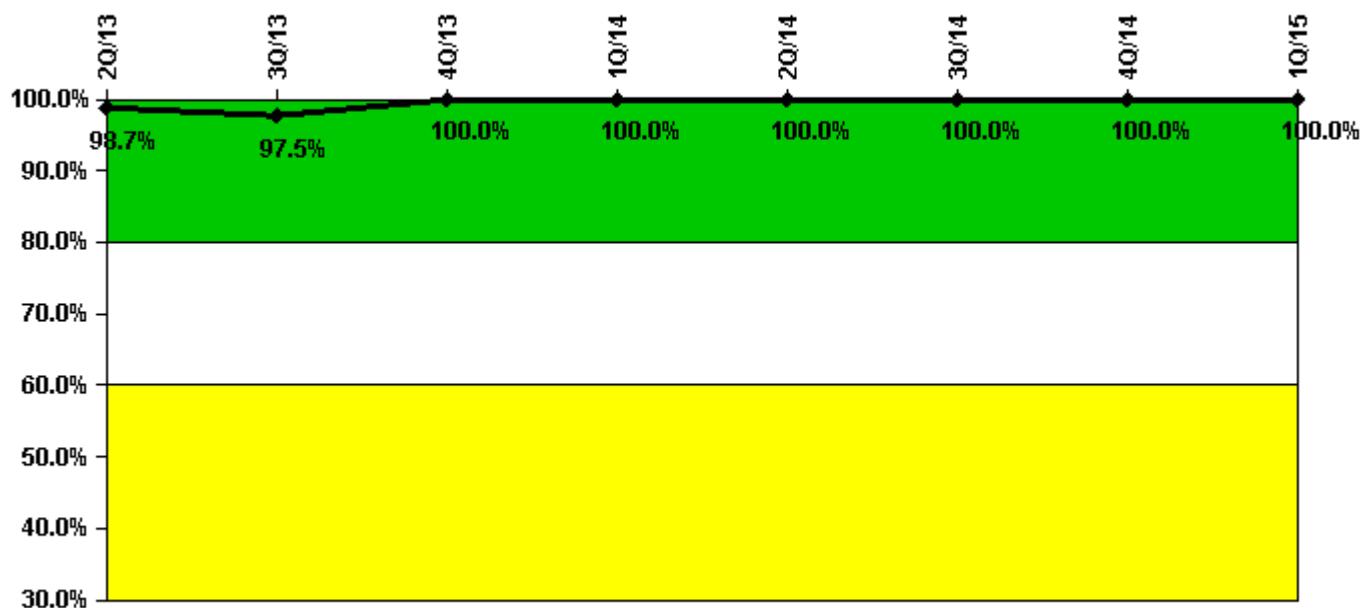
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful opportunities	88.0	61.0	45.0	34.0	12.0	71.0	53.0	36.0
Total opportunities	90.0	62.0	45.0	34.0	12.0	71.0	54.0	36.0
Indicator value	97.1%	97.5%	97.5%	98.4%	98.2%	98.6%	98.5%	99.0%

Licensee Comments: none

ERO Drill Participation



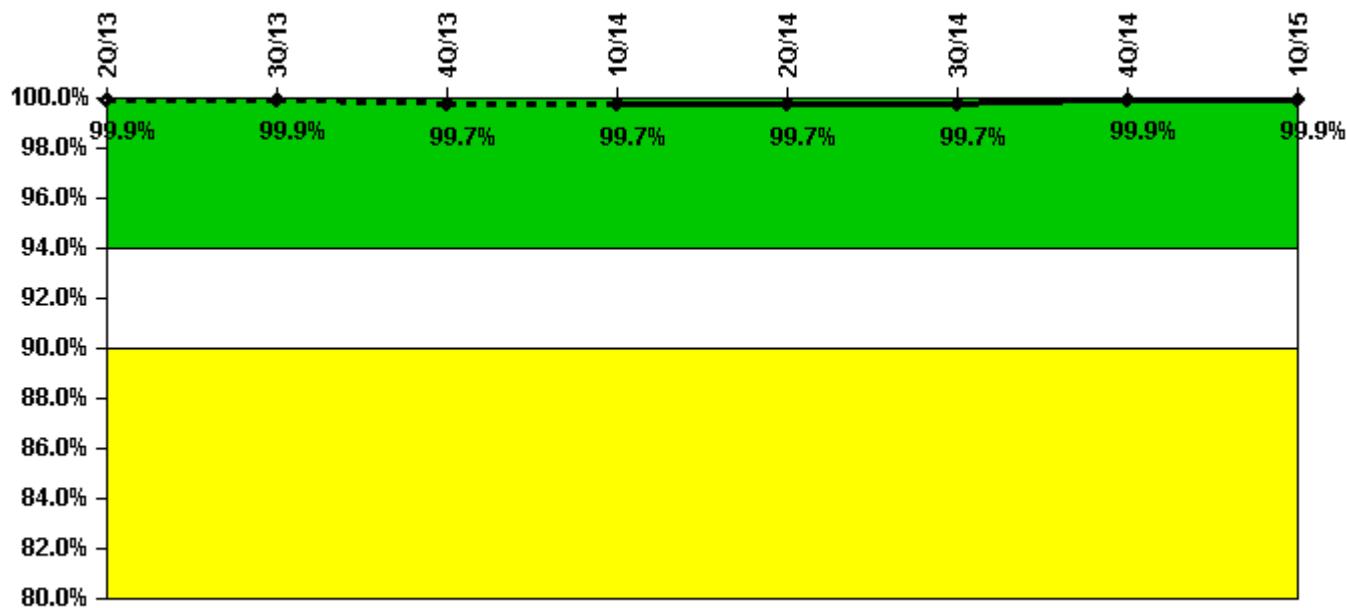
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Participating Key personnel	75.0	78.0	82.0	85.0	78.0	85.0	86.0	86.0
Total Key personnel	76.0	80.0	82.0	85.0	78.0	85.0	86.0	86.0
Indicator value	98.7%	97.5%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



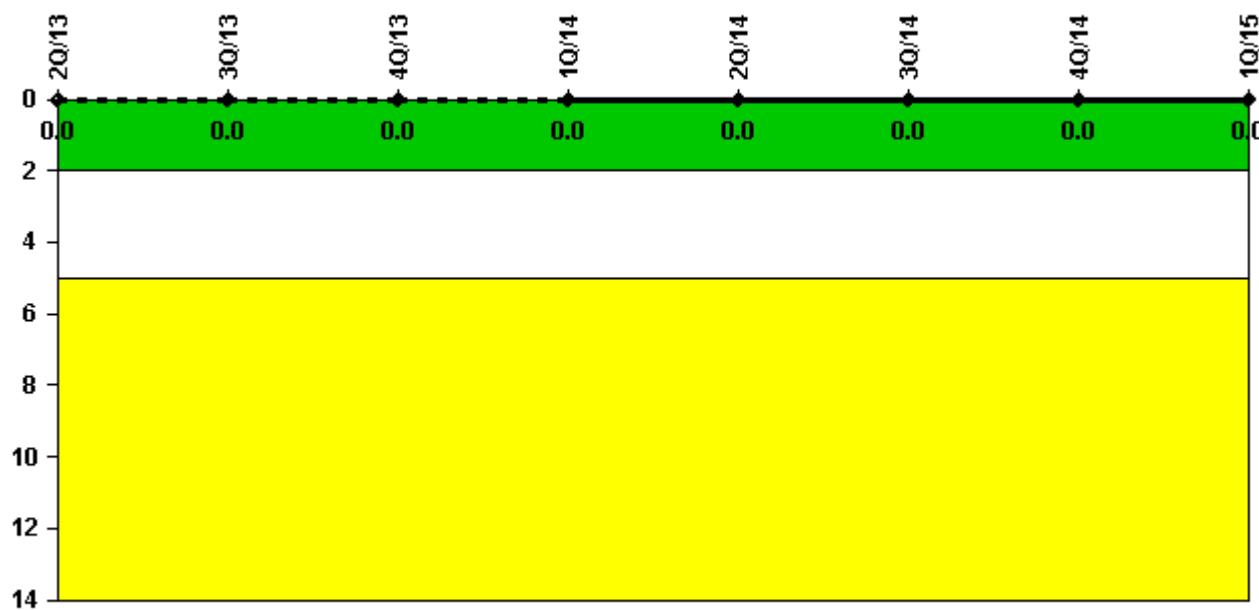
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful siren-tests	742	847	842	741	846	742	848	742
Total sirens-tests	742	848	848	742	848	742	848	742
Indicator value	99.9%	99.9%	99.7%	99.7%	99.7%	99.7%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness

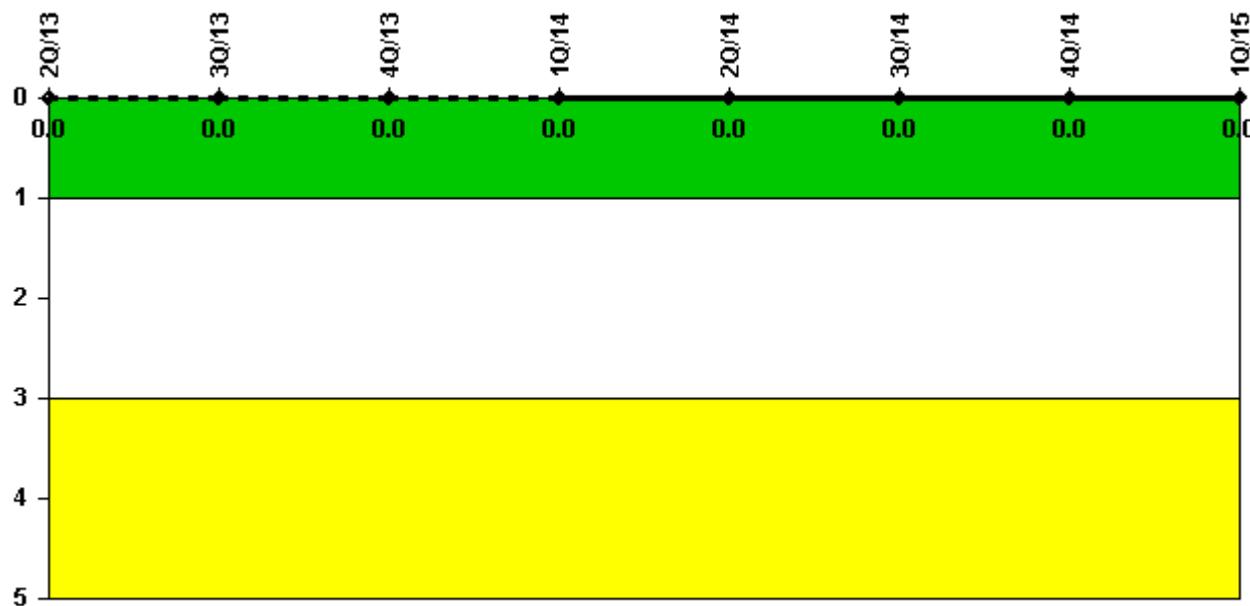


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0							

Licensee Comments: none

RETS/ODCM Radiological Effluent

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

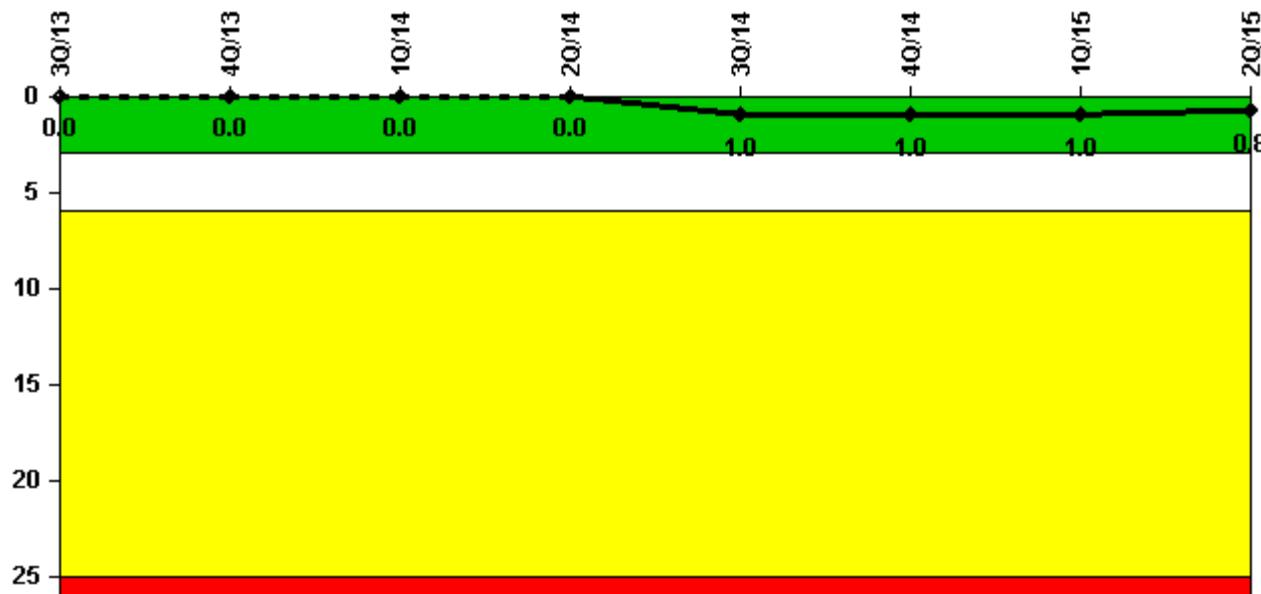
Summer

2Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



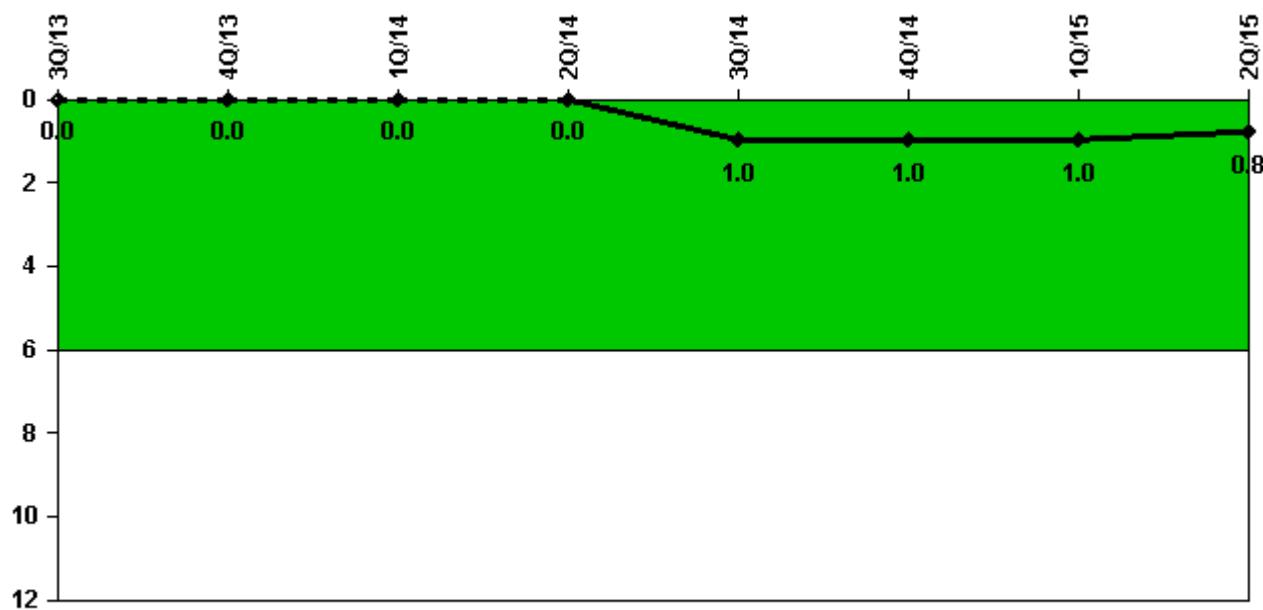
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2208.0	2209.0	2159.0	853.9	2012.4	2209.0	2159.0	2184.0
Indicator value	0	0	0	0	1.0	1.0	1.0	0.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



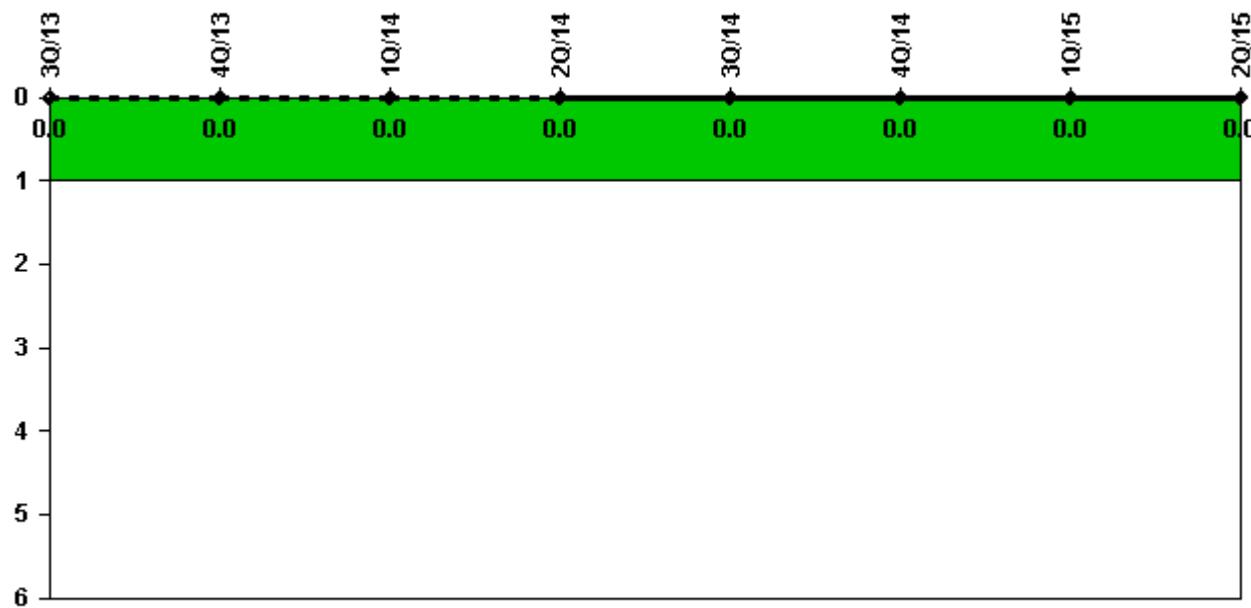
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2208.0	2209.0	2159.0	853.9	2012.4	2209.0	2159.0	2184.0
Indicator value	0	0	0	0	1.0	1.0	1.0	0.8

Licensee Comments: none

Unplanned Scrams with Complications



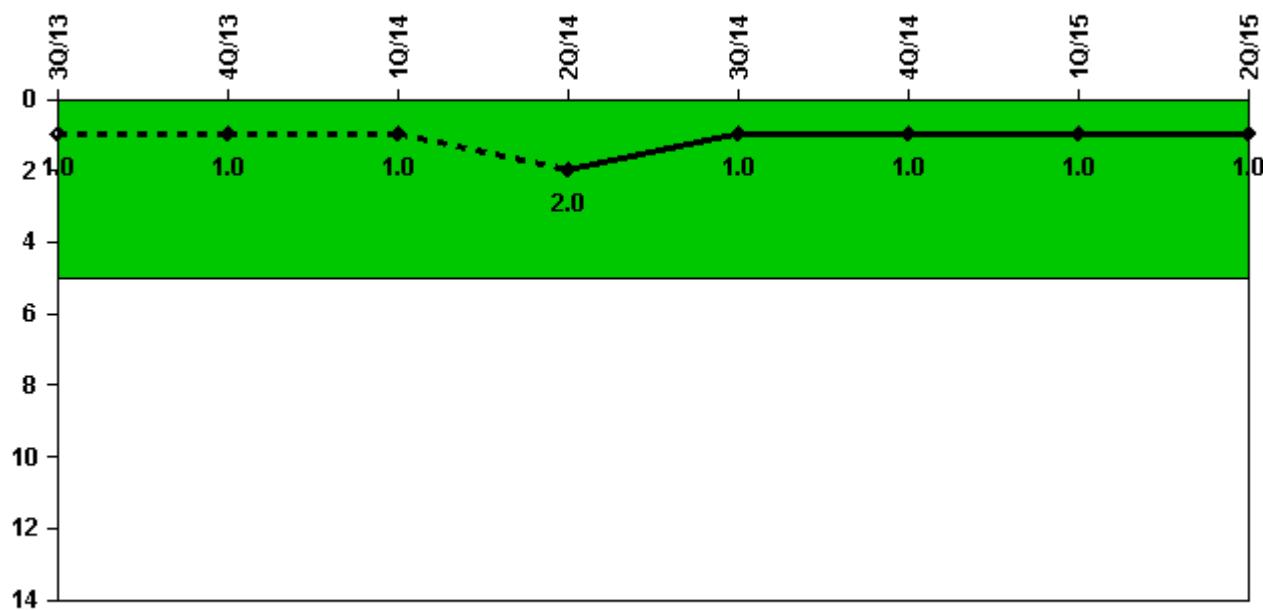
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

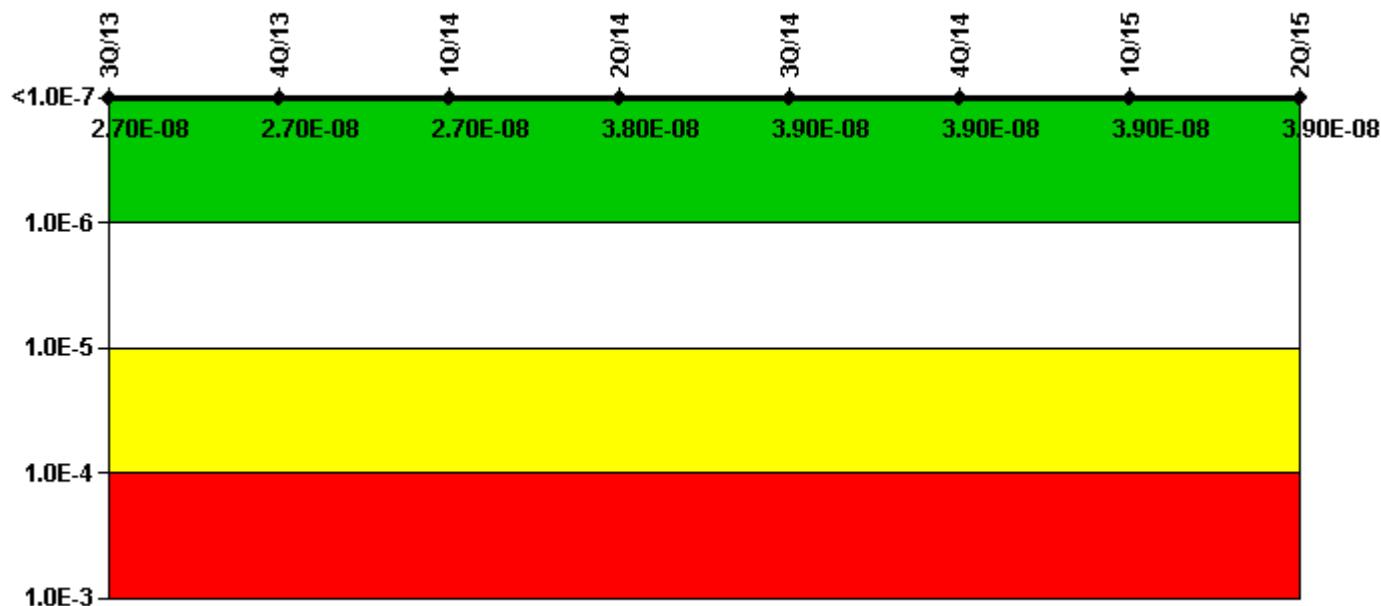
Notes

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

Licensee Comments:

2Q/14: LER 2014-001 CCW Emergency Makeup Valve failed to stroke properly.

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 (Δ CDF)	3.39E-08	3.39E-08	3.38E-08	4.24E-08	4.30E-08	4.30E-08	4.30E-08	4.30E-08
URI (Δ CDF)	-7.19E-09	-7.19E-09	-7.19E-09	-4.44E-09	-4.44E-09	-4.44E-09	-4.44E-09	-4.44E-09
PLE	NO							
Indicator value	2.70E-08	2.70E-08	2.70E-08	3.80E-08	3.90E-08	3.90E-08	3.90E-08	3.90E-08

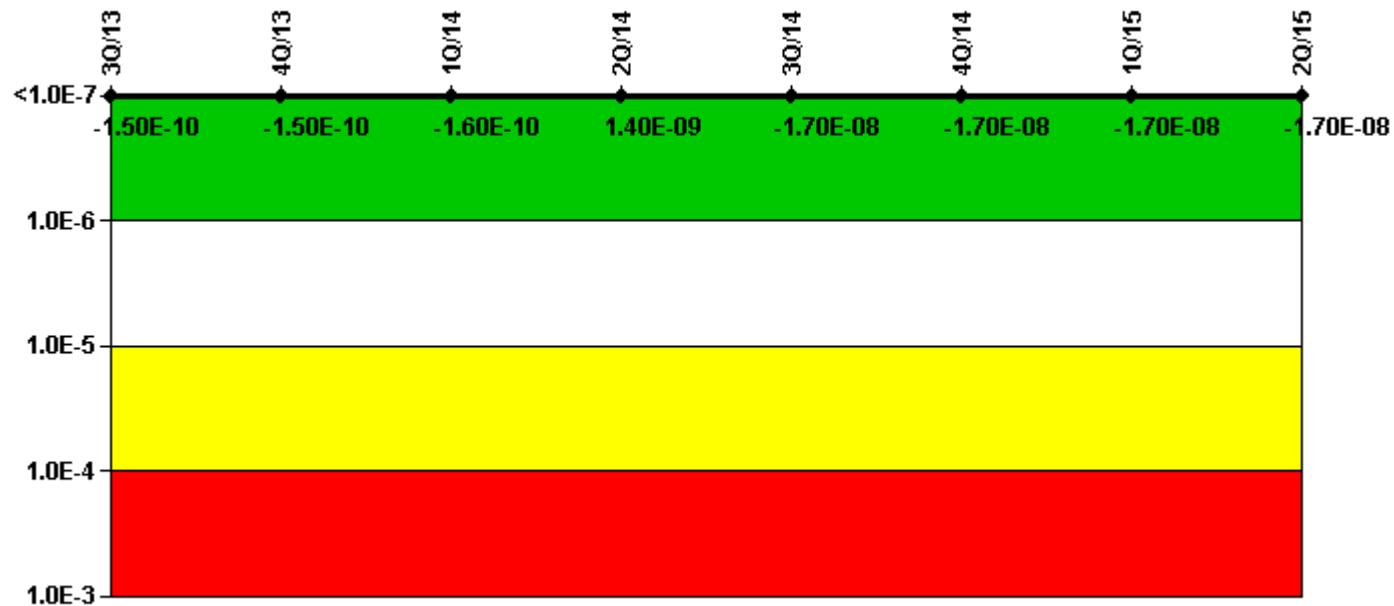
Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. EAC Baseline Planned Unavailability was adjusted to reflect the current maintenance strategy to support 24 month on-line overhaul schedule. Correct an error discovered regarding Unavailability events used for EAC (A and B DGs) and AFW (Terry Turbine) and the values being reported.

1Q/14: 3/5/2014 "A" DG was taken out of service for 36 hours 26 minutes for maintenance & repairs.

3/16/2014 - "B" DG taken out of service 140 hours 39 minutes for overhaul. 3/23/2014 - "B" DG taken out of service for 2 hours 2 minutes for Rocker Arm LO Filter replacement

Mitigating Systems Performance Index, High Pressure Injection System



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

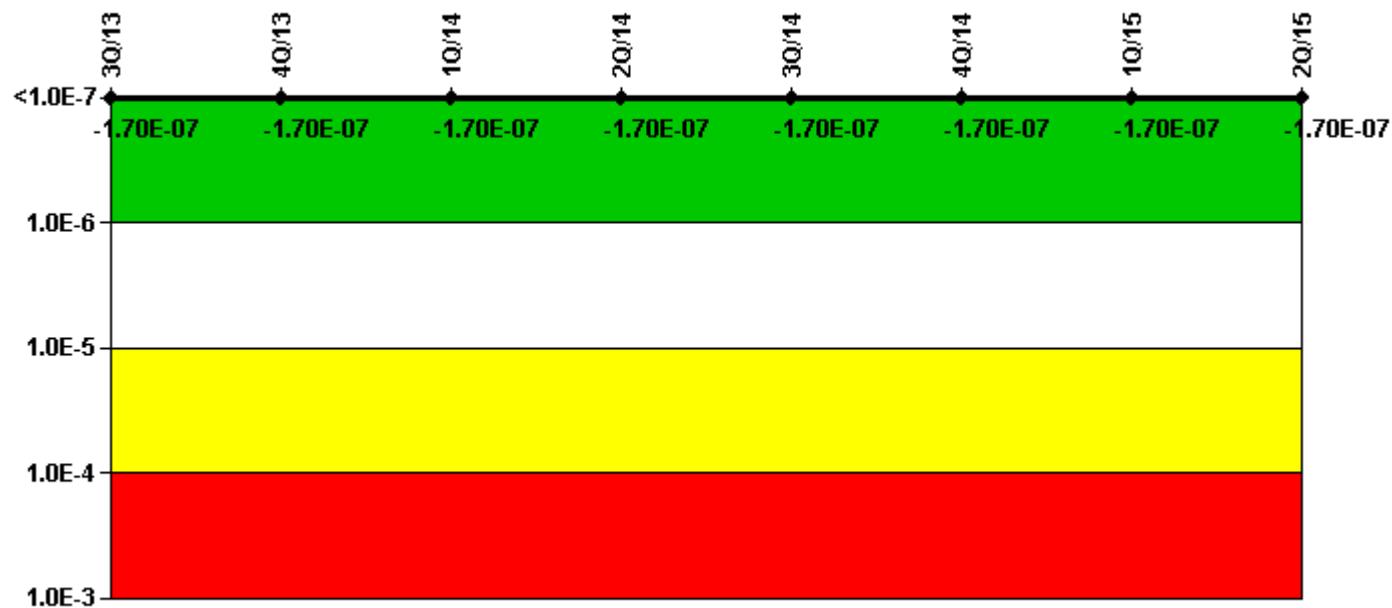
Notes

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 (Δ CDF)	-2.33E-09	-2.33E-09	-2.33E-09	-2.31E-09	-2.41E-09	-2.41E-09	-2.41E-09	-2.41E-09
URI (Δ CDF)	2.17E-09	2.17E-09	2.17E-09	3.68E-09	-1.43E-08	-1.43E-08	-1.43E-08	-1.43E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-10	-1.50E-10	-1.60E-10	1.40E-09	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b.

Mitigating Systems Performance Index, Heat Removal System



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

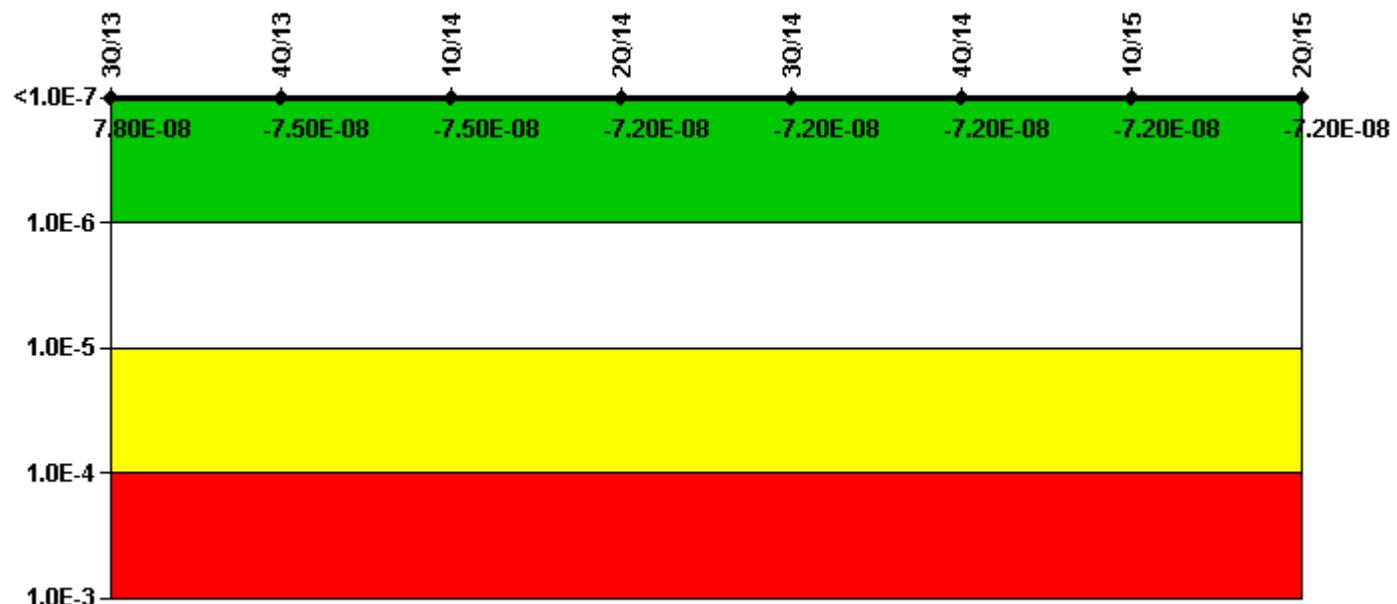
Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (Δ CDF)	-1.41E-08	-1.45E-08	-1.23E-08	-1.62E-08	-1.59E-08	-1.60E-08	-1.73E-08	-1.65E-08
URI (Δ CDF)	-1.55E-07	-1.55E-07	-1.55E-07	-1.56E-07	-1.56E-07	-1.56E-07	-1.56E-07	-1.56E-07
PLE	NO							
Indicator value	-1.70E-07							

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. Correct an error discovered regarding Unavailability events used for EAC (A and B DGs) and AFW (Terry Turbine) and the values being reported.

Mitigating Systems Performance Index, Residual Heat Removal System



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

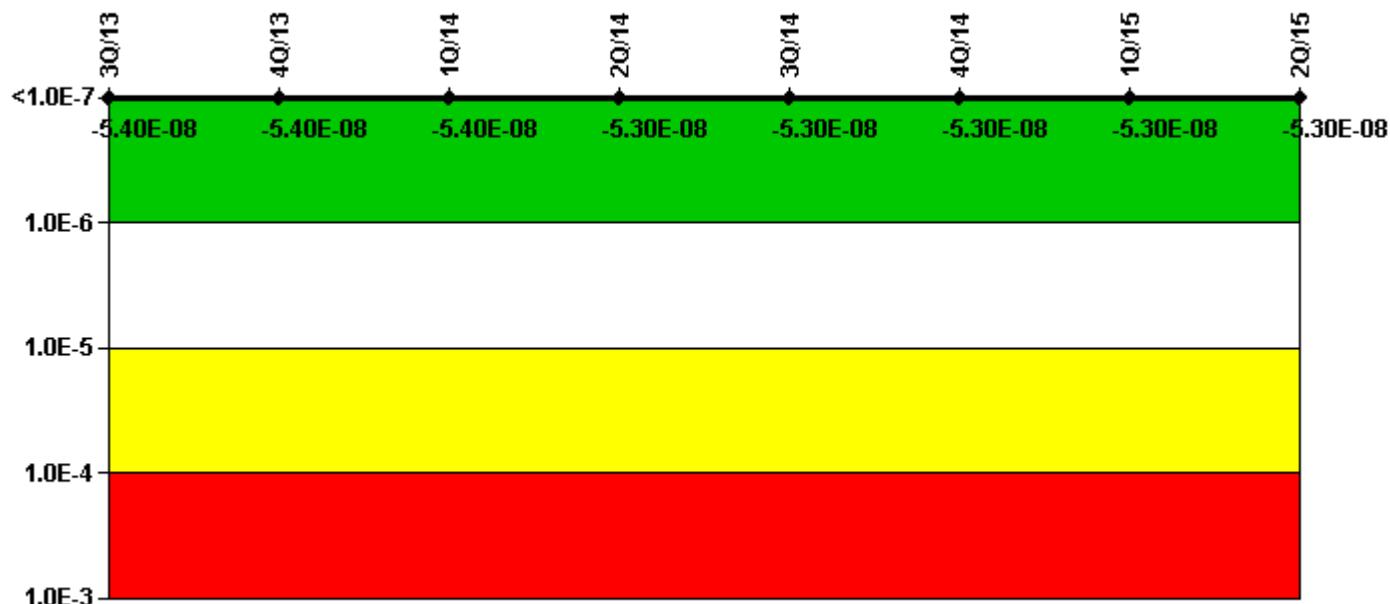
Notes

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 (Δ CDF)	-3.22E-09	-8.66E-09	-8.66E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09
URI (Δ CDF)	8.08E-08	-6.66E-08	-6.66E-08	-6.37E-08	-6.37E-08	-6.37E-08	-6.37E-08	-6.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	7.80E-08	-7.50E-08	-7.50E-08	-7.20E-08	-7.20E-08	-7.20E-08	-7.20E-08	-7.20E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b.

Mitigating Systems Performance Index, Cooling Water Systems



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

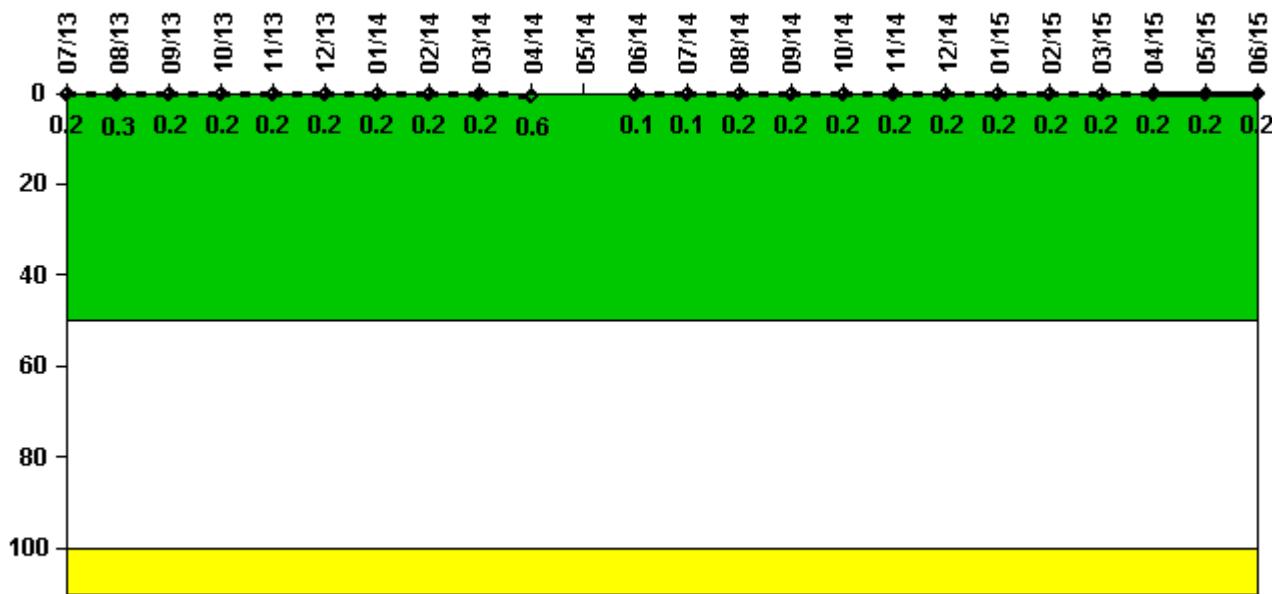
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (Δ CDF)	-6.98E-09	-6.98E-09	-6.98E-09	-6.95E-09	-6.95E-09	-6.95E-09	-6.95E-09	-6.95E-09
URI (Δ CDF)	-4.66E-08	-4.66E-08	-4.66E-08	-4.57E-08	-4.57E-08	-4.57E-08	-4.57E-08	-4.57E-08
PLE	NO							
Indicator value	-5.40E-08	-5.40E-08	-5.40E-08	-5.30E-08	-5.30E-08	-5.30E-08	-5.30E-08	-5.30E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

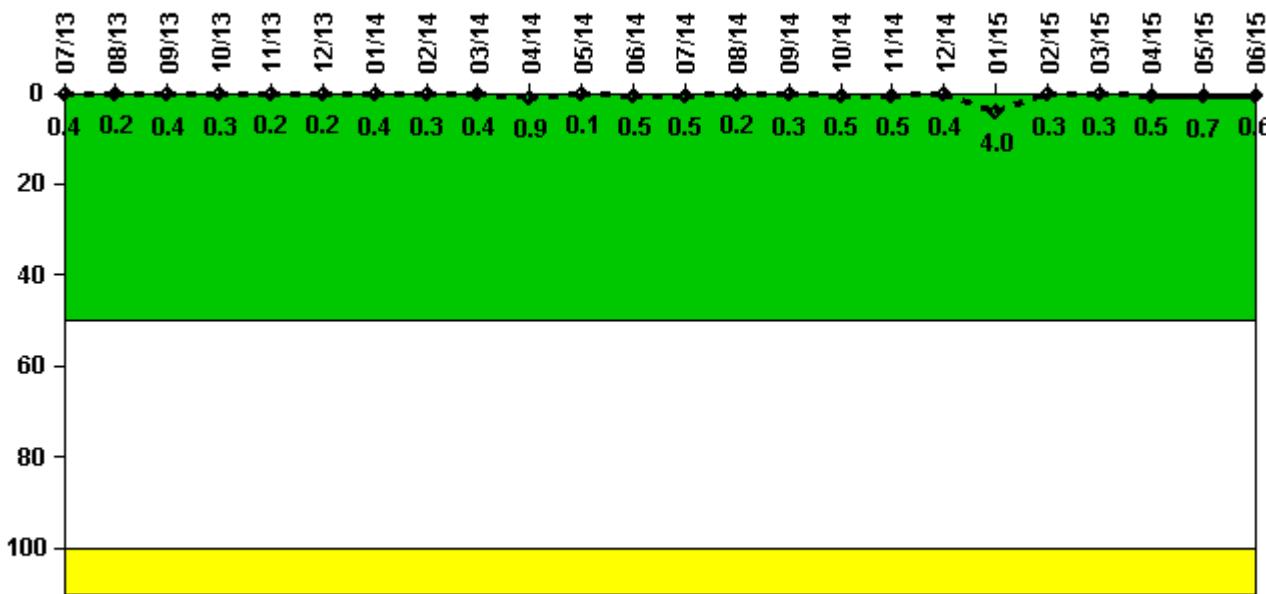
Notes

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	0.0000116	0.0000206	0.0000121	0.0000124	0.0000122	0.0000125	0.0000136	0.0000141	0.0000147	0.0000346	N/A	0.000085
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	N/A	0.1

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	0.0000088	0.0000099	0.0000090	0.0000093	0.0000102	0.0000102	0.0000102	0.0000102	0.0000102	0.0000110	0.0000109	0.0000113
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Licensee Comments: none

Reactor Coolant System Leakage



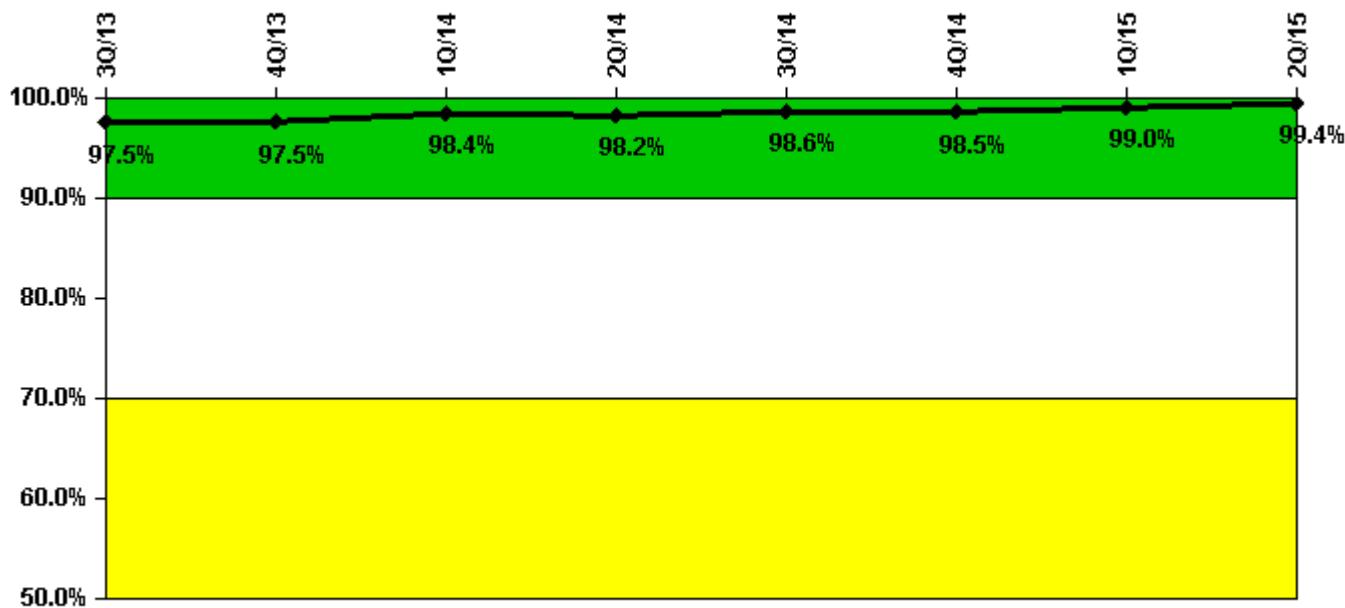
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum leakage	0.040	0.020	0.040	0.030	0.020	0.020	0.040	0.030	0.040	0.090	0.010	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.4	0.2	0.4	0.3	0.2	0.2	0.4	0.3	0.4	0.9	0.1	0.5
Reactor Coolant System Leakage	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum leakage	0.050	0.020	0.030	0.050	0.050	0.040	0.400	0.030	0.030	0.050	0.070	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.2	0.3	0.5	0.5	0.4	4.0	0.3	0.3	0.5	0.7	0.6

Licensee Comments: none

Drill/Exercise Performance



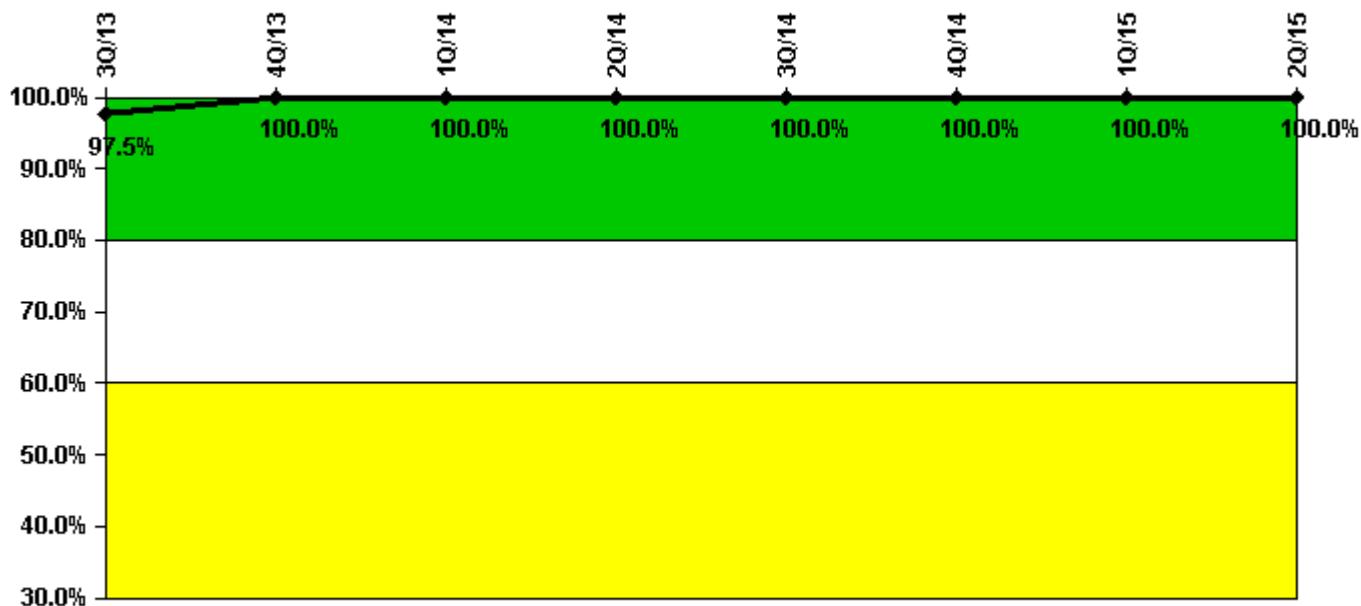
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful opportunities	61.0	45.0	34.0	12.0	71.0	53.0	36.0	20.0
Total opportunities	62.0	45.0	34.0	12.0	71.0	54.0	36.0	20.0
Indicator value	97.5%	97.5%	98.4%	98.2%	98.6%	98.5%	99.0%	99.4%

Licensee Comments: none

ERO Drill Participation



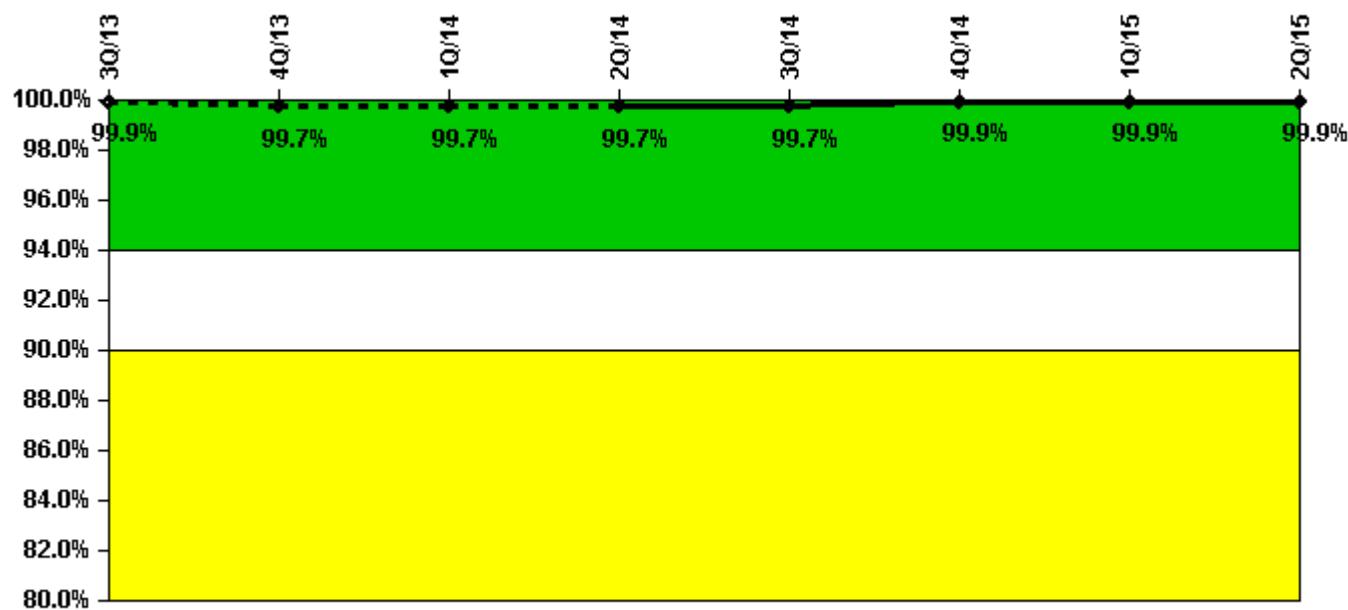
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Participating Key personnel	78.0	82.0	85.0	78.0	85.0	86.0	86.0	80.0
Total Key personnel	80.0	82.0	85.0	78.0	85.0	86.0	86.0	80.0
Indicator value	97.5%	100.0%						

Licensee Comments: none

Alert & Notification System



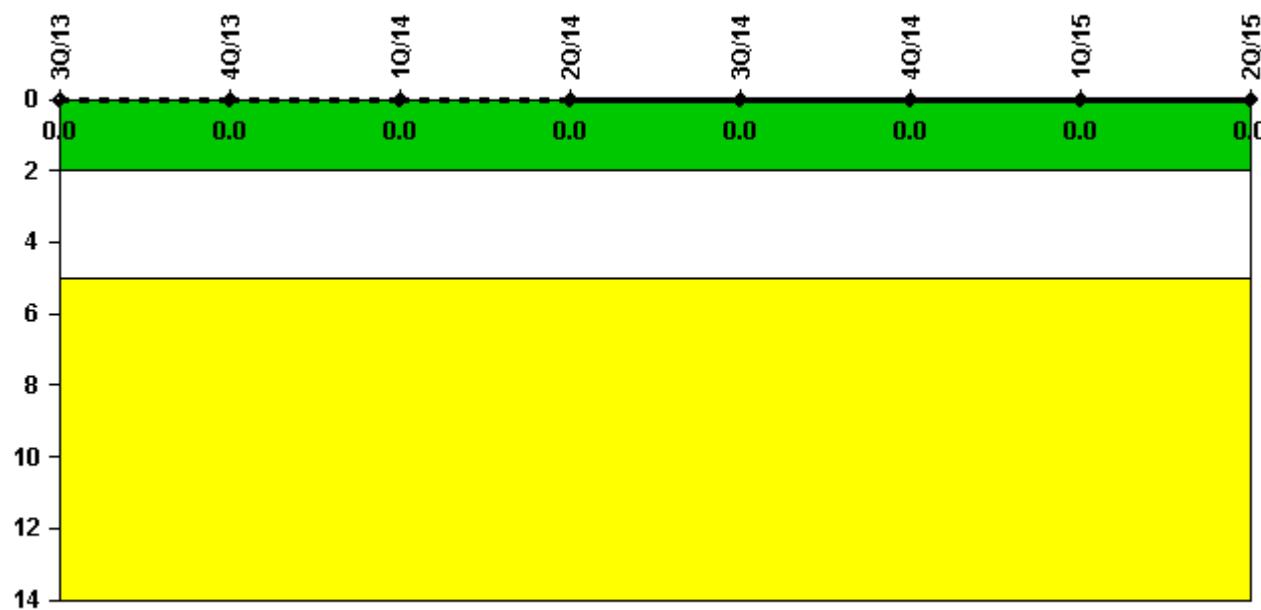
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful siren-tests	847	842	741	846	742	848	742	740
Total sirens-tests	848	848	742	848	742	848	742	742
Indicator value	99.9%	99.7%	99.7%	99.7%	99.7%	99.9%	99.9%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness

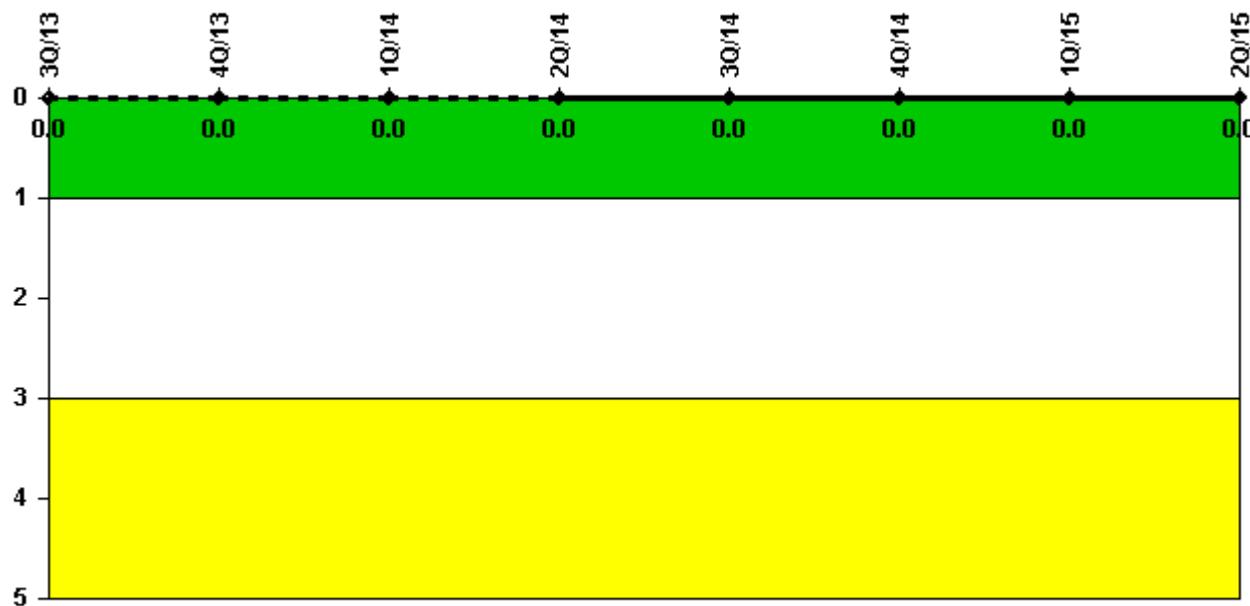


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/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							

Licensee Comments: none

RETS/ODCM Radiological Effluent

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

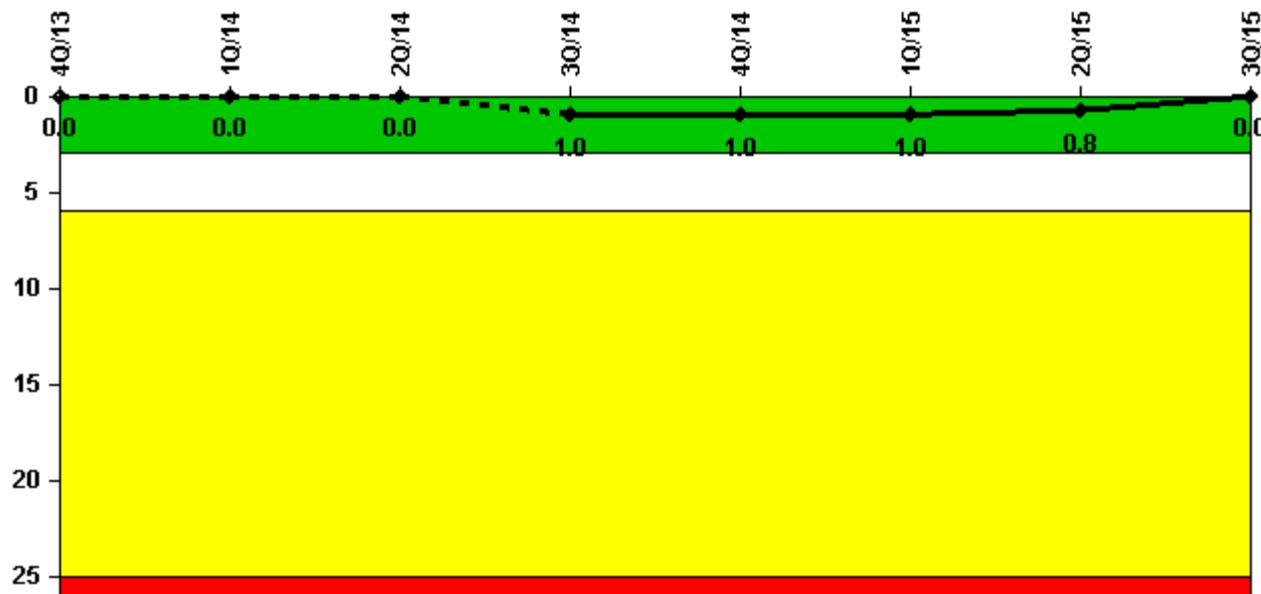
Summer

3Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



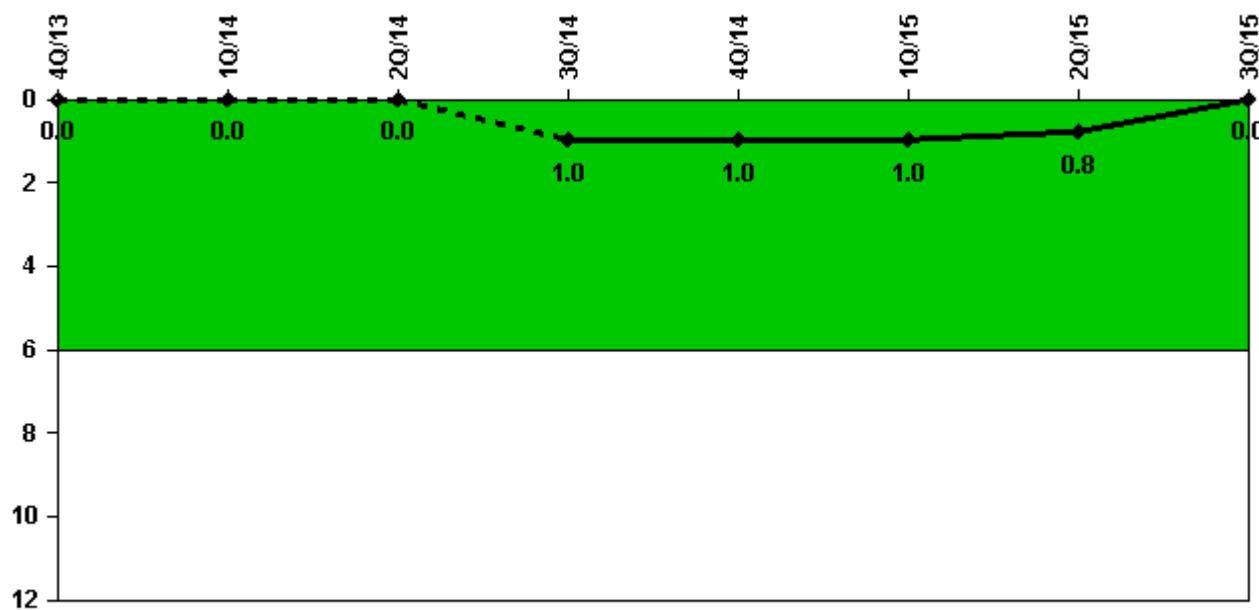
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0
Critical hours	2209.0	2159.0	853.9	2012.4	2209.0	2159.0	2184.0	2208.0
Indicator value	0	0	0	1.0	1.0	1.0	0.8	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



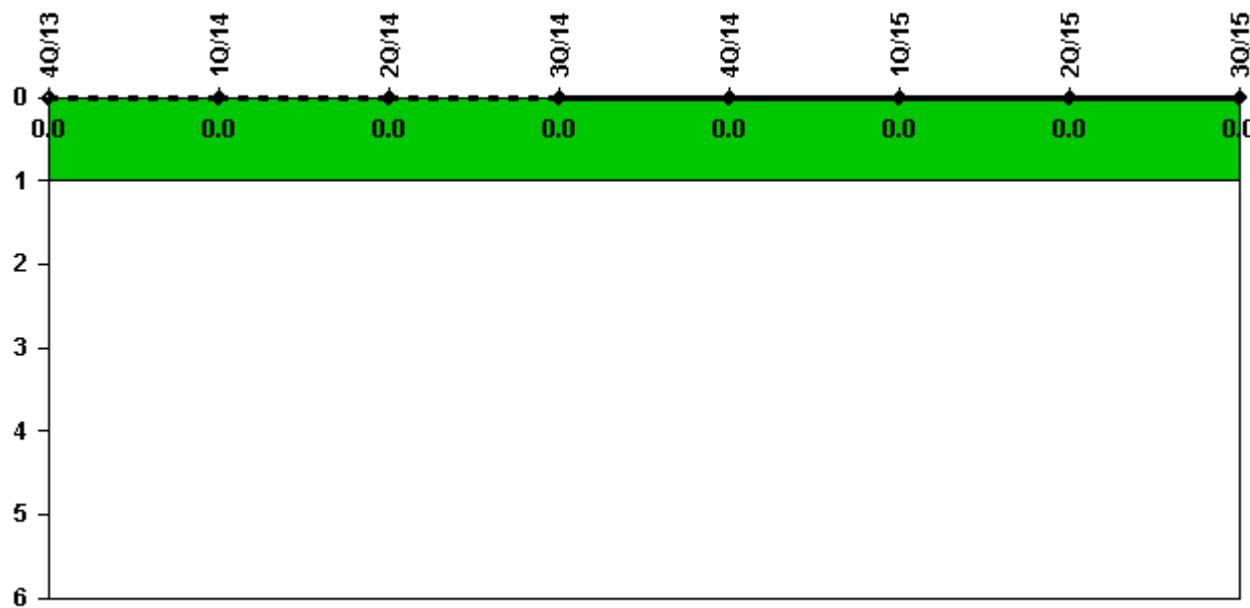
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned power changes	0	0	0	1.0	0	0	0	0
Critical hours	2209.0	2159.0	853.9	2012.4	2209.0	2159.0	2184.0	2208.0
Indicator value	0	0	0	1.0	1.0	1.0	0.8	0

Licensee Comments: none

Unplanned Scrams with Complications



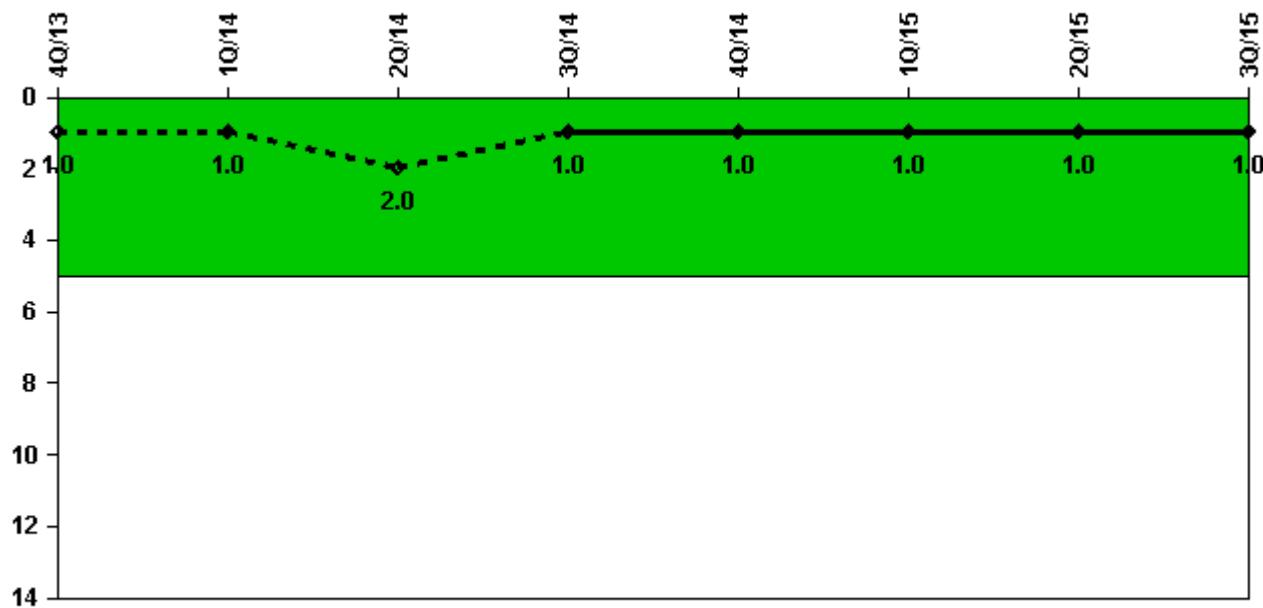
Thresholds: White > 1.0

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							

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

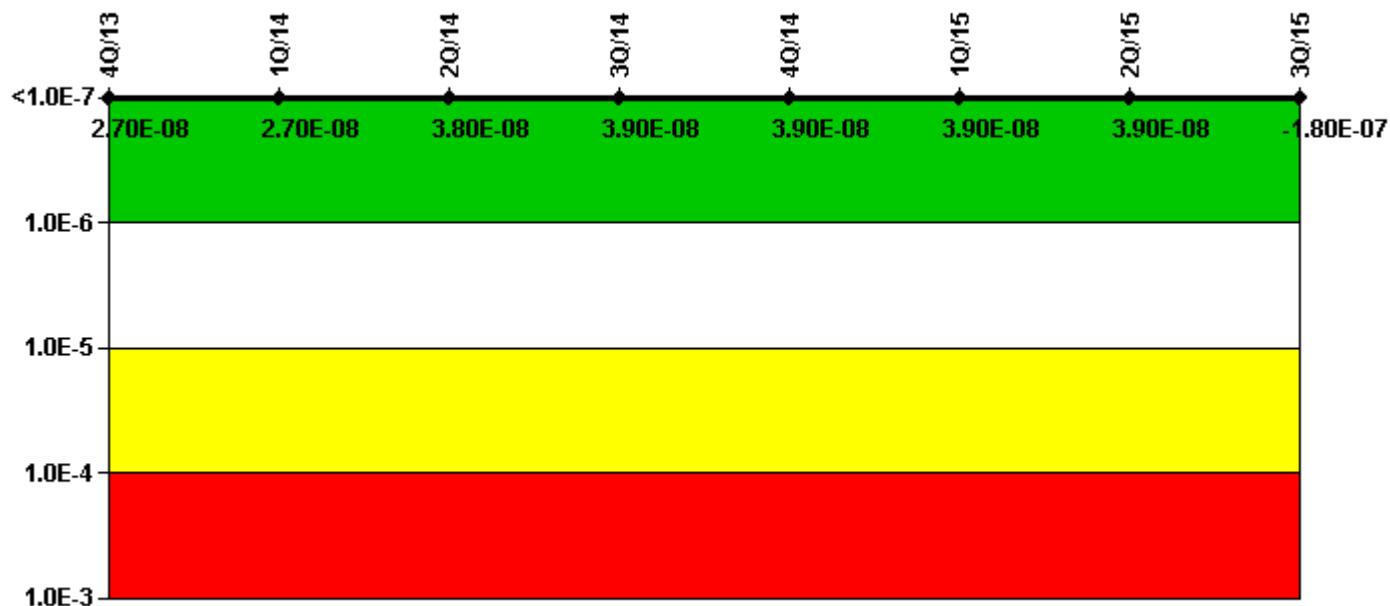
Notes

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

Licensee Comments:

2Q/14: LER 2014-001 CCW Emergency Makeup Valve failed to stroke properly.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

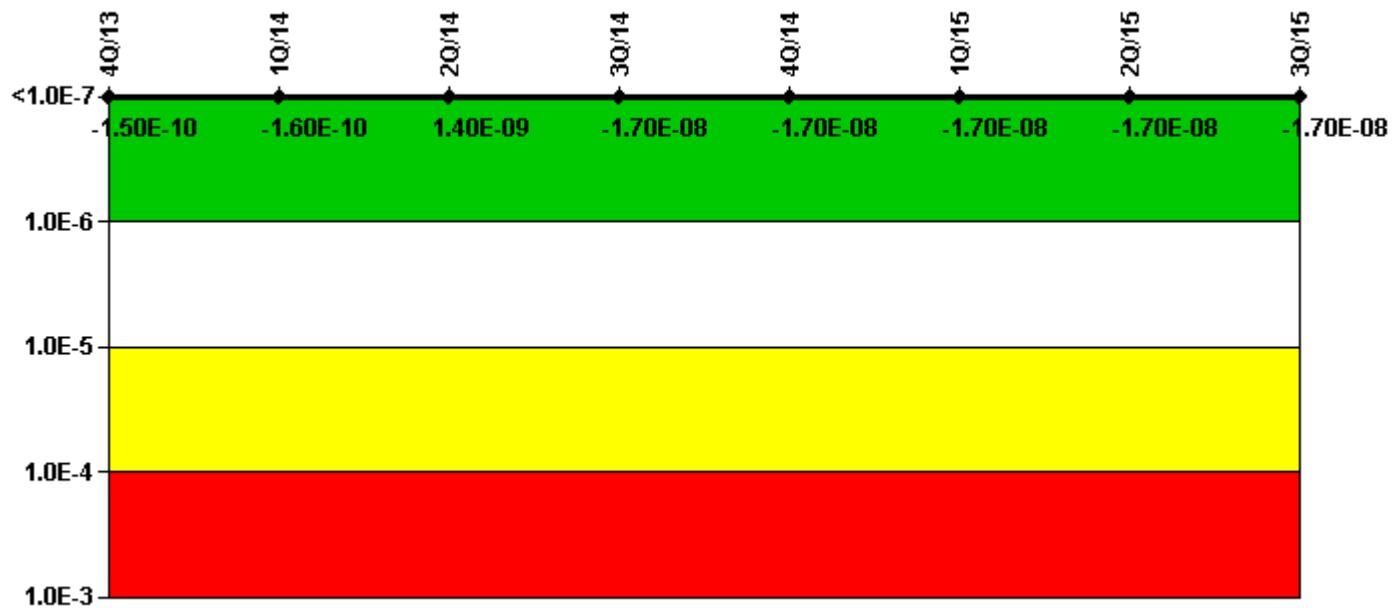
Mitigating Systems Performance Index, Emergency AC Power System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (Δ CDF)	3.39E-08	3.38E-08	4.24E-08	4.30E-08	4.30E-08	4.30E-08	4.30E-08	-2.14E-09
URI (Δ CDF)	-7.19E-09	-7.19E-09	-4.44E-09	-4.44E-09	-4.44E-09	-4.44E-09	-4.44E-09	-1.78E-07
PLE	NO							
Indicator value	2.70E-08	2.70E-08	3.80E-08	3.90E-08	3.90E-08	3.90E-08	3.90E-08	-1.80E-07

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. EAC Baseline Planned Unavailability was adjusted to reflect the current maintenance strategy to support 24 month on-line overhaul schedule. Correct an error discovered regarding Unavailability events used for EAC (A and B DGs) and AFW (Terry Turbine) and the values being reported.

1Q/14: 3/5/2014 "A" DG was taken out of service for 36 hours 26 minutes for maintenance & repairs.
 3/16/2014 - "B" DG taken out of service 140 hours 39 minutes for overhaul. 3/23/2014 - "B" DG taken out of service for 2 hours 2 minutes for Rocker Arm LO Filter replacement

Mitigating Systems Performance Index, High Pressure Injection System



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

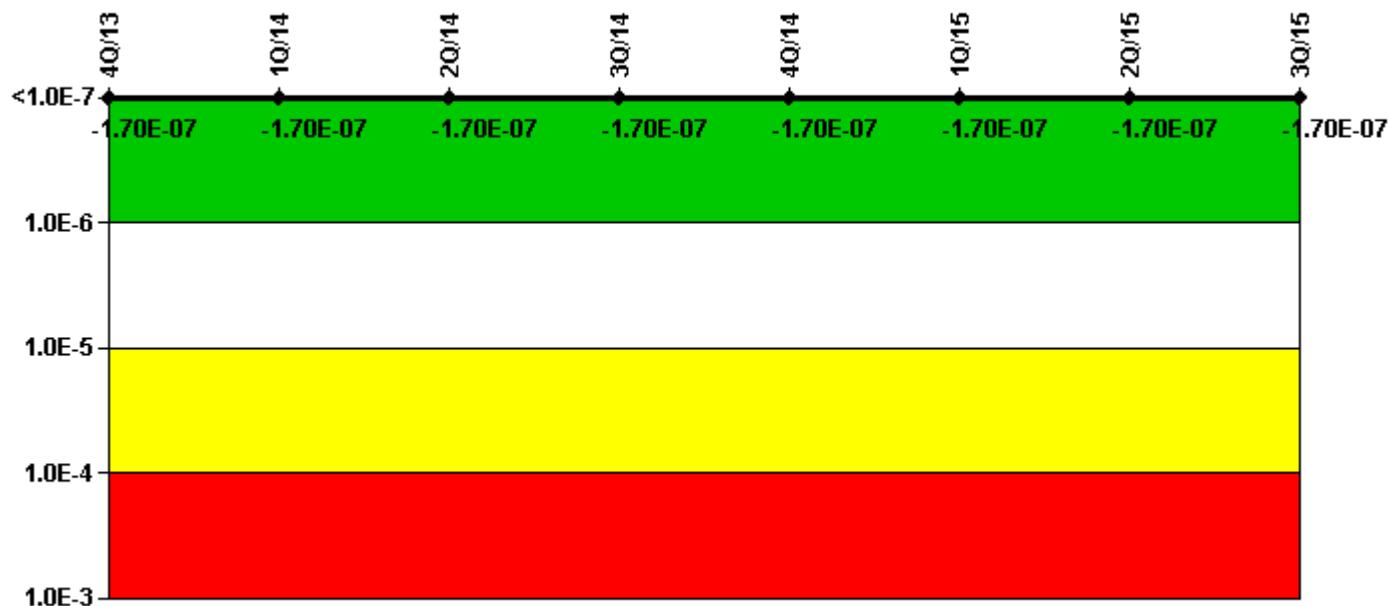
Notes

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 (Δ CDF)	-2.33E-09	-2.33E-09	-2.31E-09	-2.41E-09	-2.41E-09	-2.41E-09	-2.41E-09	-2.41E-09
URI (Δ CDF)	2.17E-09	2.17E-09	3.68E-09	-1.43E-08	-1.43E-08	-1.43E-08	-1.43E-08	-1.43E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.50E-10	-1.60E-10	1.40E-09	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b.

Mitigating Systems Performance Index, Heat Removal System



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

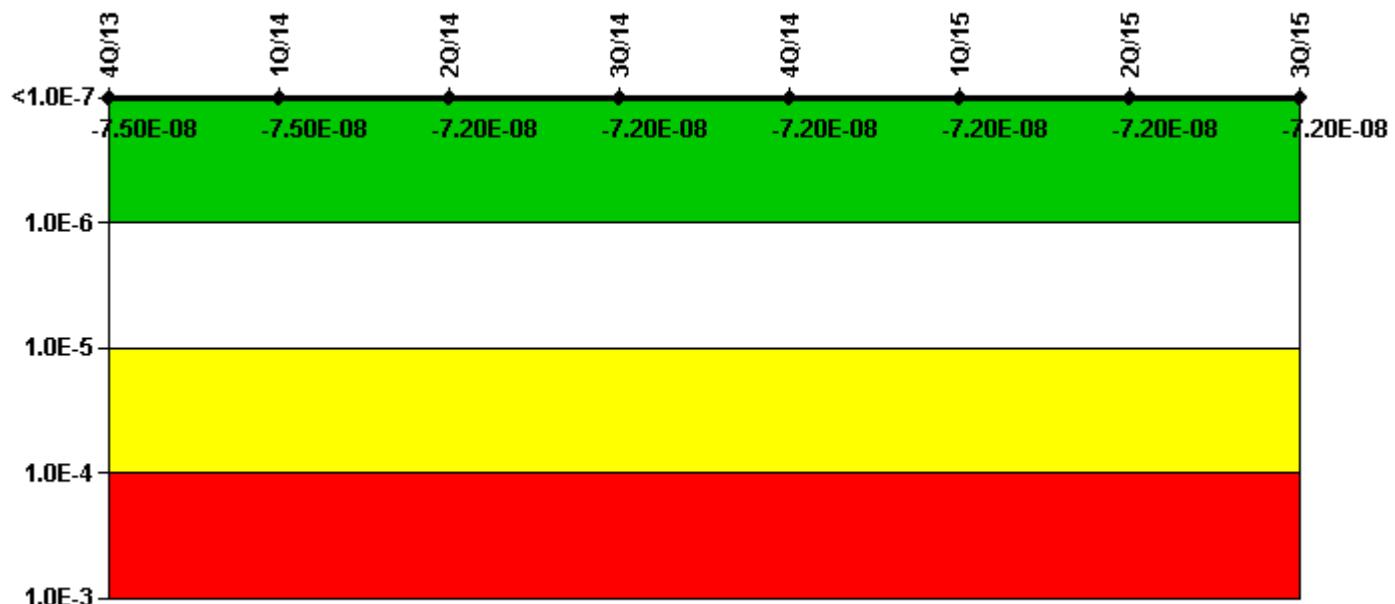
Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (Δ CDF)	-1.45E-08	-1.23E-08	-1.62E-08	-1.59E-08	-1.60E-08	-1.73E-08	-1.65E-08	-1.55E-08
URI (Δ CDF)	-1.55E-07	-1.55E-07	-1.56E-07	-1.56E-07	-1.56E-07	-1.56E-07	-1.56E-07	-1.56E-07
PLE	NO							
Indicator value	-1.70E-07							

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. Correct an error discovered regarding Unavailability events used for EAC (A and B DGs) and AFW (Terry Turbine) and the values being reported.

Mitigating Systems Performance Index, Residual Heat Removal System



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

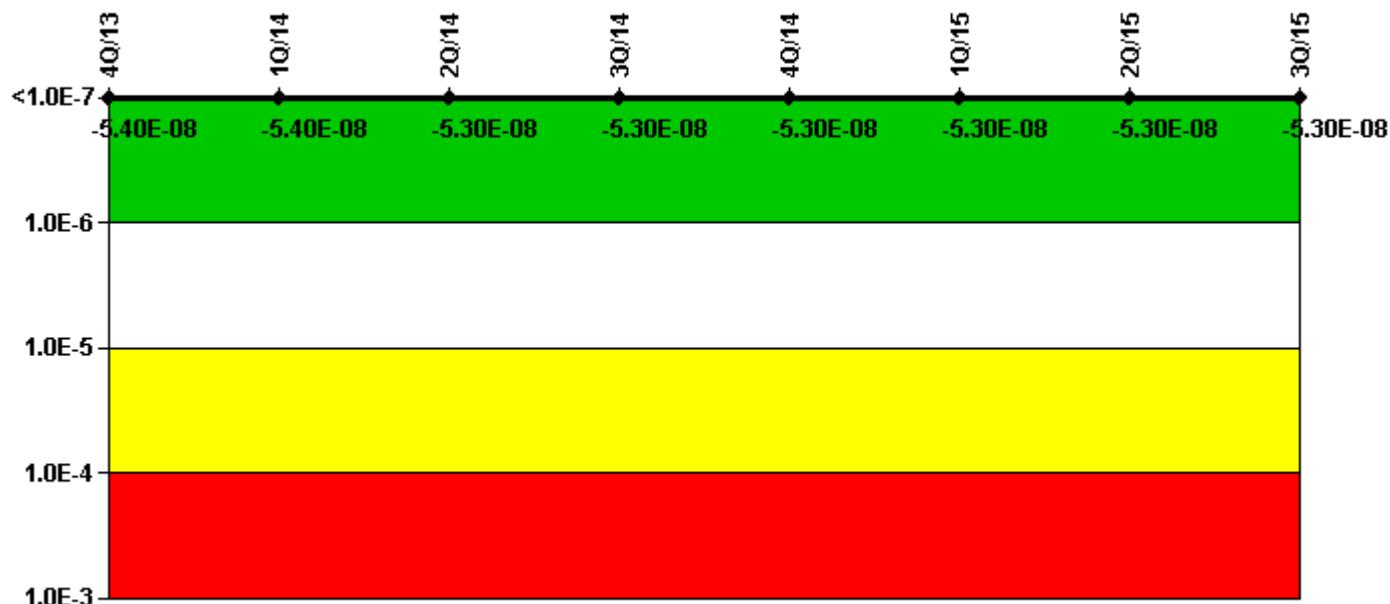
Notes

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 (Δ CDF)	-8.66E-09	-8.66E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09
URI (Δ CDF)	-6.66E-08	-6.66E-08	-6.37E-08	-6.37E-08	-6.37E-08	-6.37E-08	-6.37E-08	-6.37E-08
PLE	NO							
Indicator value	-7.50E-08	-7.50E-08	-7.20E-08	-7.20E-08	-7.20E-08	-7.20E-08	-7.20E-08	-7.20E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b.

Mitigating Systems Performance Index, Cooling Water Systems



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

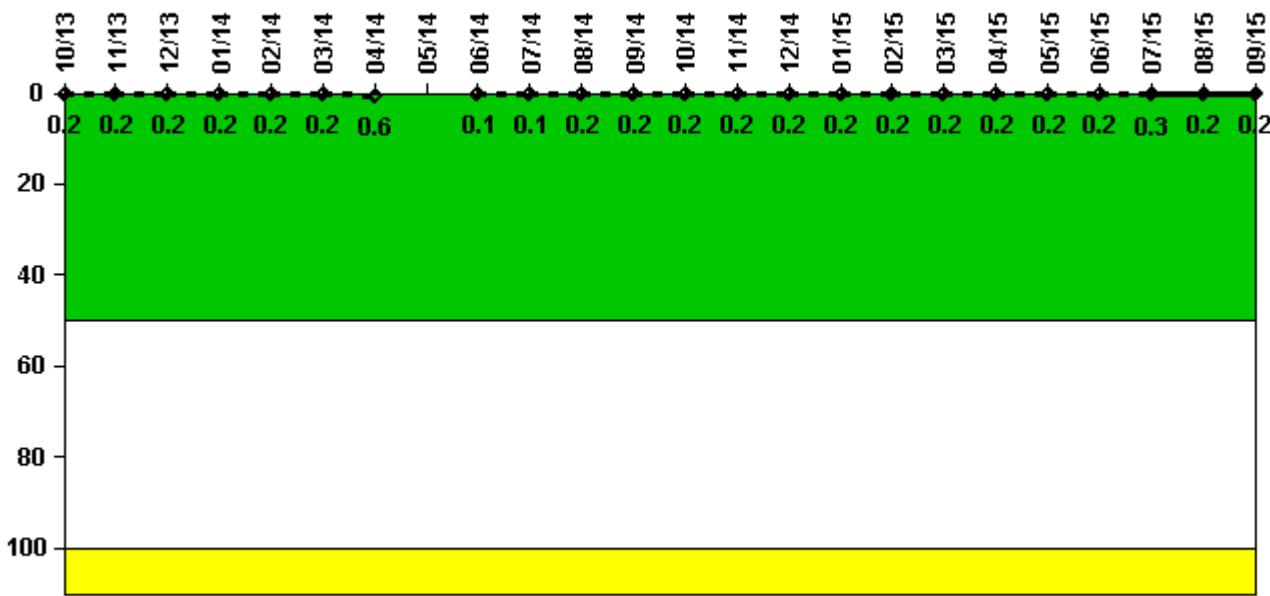
Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (Δ CDF)	-6.98E-09	-6.98E-09	-6.95E-09	-6.95E-09	-6.95E-09	-6.95E-09	-6.95E-09	-6.95E-09
URI (Δ CDF)	-4.66E-08	-4.66E-08	-4.57E-08	-4.57E-08	-4.57E-08	-4.57E-08	-4.57E-08	-4.57E-08
PLE	NO							
Indicator value	-5.40E-08	-5.40E-08	-5.30E-08	-5.30E-08	-5.30E-08	-5.30E-08	-5.30E-08	-5.30E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b

Reactor Coolant System Activity



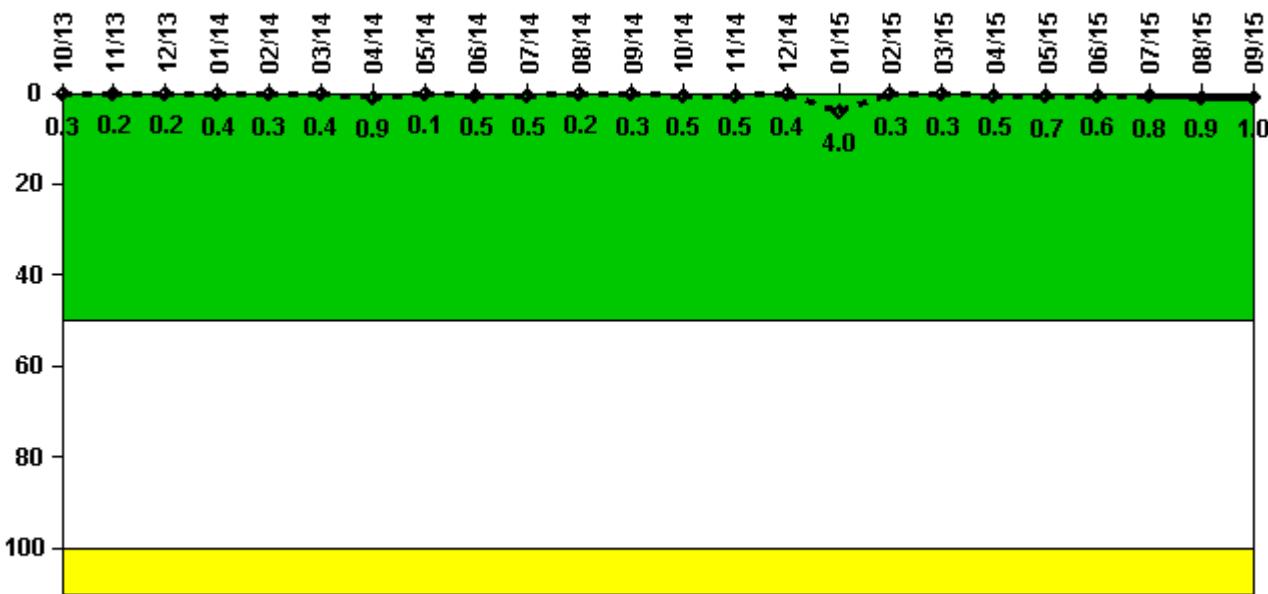
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14
Maximum activity	0.000124	0.000122	0.000125	0.000136	0.000141	0.000147	0.000346	N/A	0.000085	0.000088	0.000099	0.000090
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	0.2	0.2	0.2	0.2	0.2	0.6	N/A	0.1	0.1	0.2	0.2
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	0.000093	0.000102	0.000102	0.000102	0.000102	0.000102	0.000110	0.000109	0.000113	0.000164	0.000122	0.000130
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	0.3	0.2	0.2								

Licensee Comments: none

Reactor Coolant System Leakage



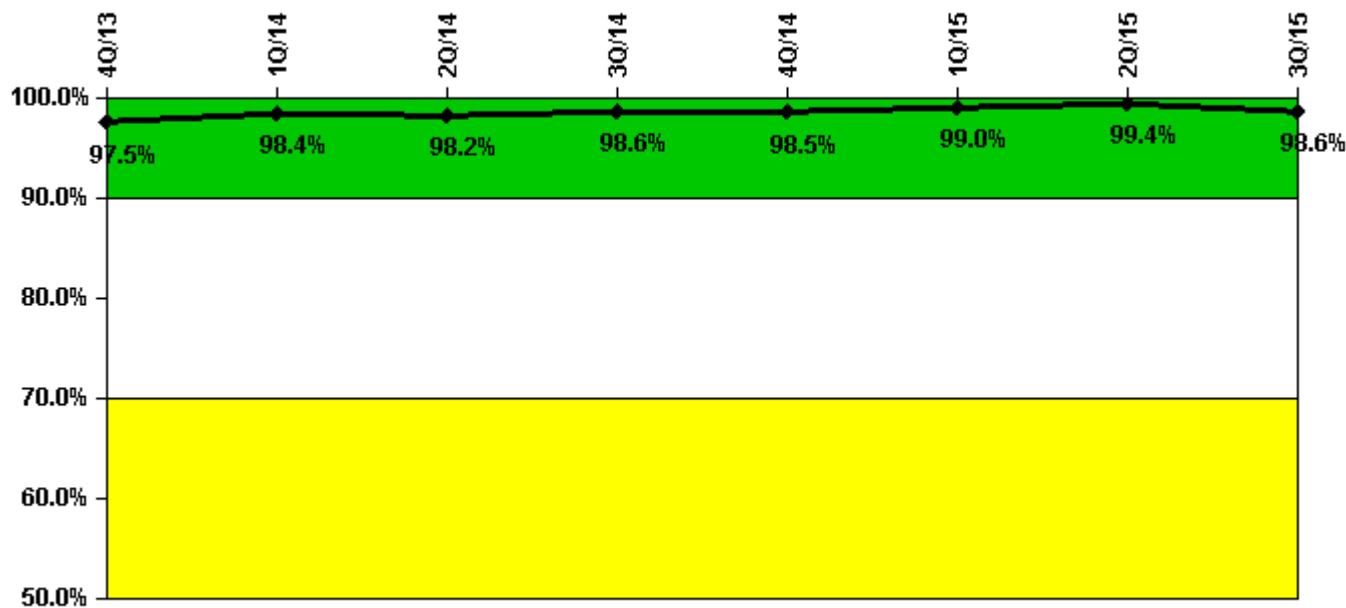
Thresholds: White > 50.0 Yellow > 100.0

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	0.030	0.020	0.020	0.040	0.030	0.040	0.090	0.010	0.050	0.050	0.020	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.3	0.2	0.2	0.4	0.3	0.4	0.9	0.1	0.5	0.5	0.2	0.3
Reactor Coolant System Leakage	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum leakage	0.050	0.050	0.040	0.400	0.030	0.030	0.050	0.070	0.060	0.080	0.090	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.5	0.4	4.0	0.3	0.3	0.5	0.7	0.6	0.8	0.9	1.0

Licensee Comments: none

Drill/Exercise Performance



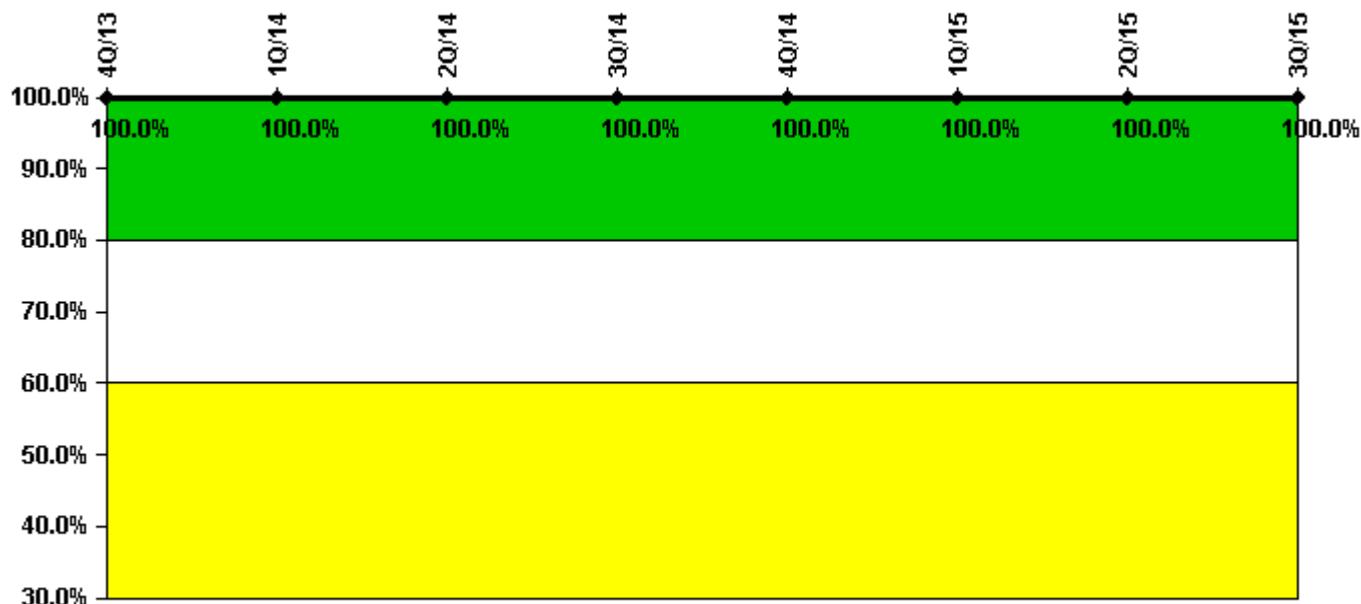
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful opportunities	45.0	34.0	12.0	71.0	53.0	36.0	20.0	69.0
Total opportunities	45.0	34.0	12.0	71.0	54.0	36.0	20.0	73.0
Indicator value	97.5%	98.4%	98.2%	98.6%	98.5%	99.0%	99.4%	98.6%

Licensee Comments: none

ERO Drill Participation



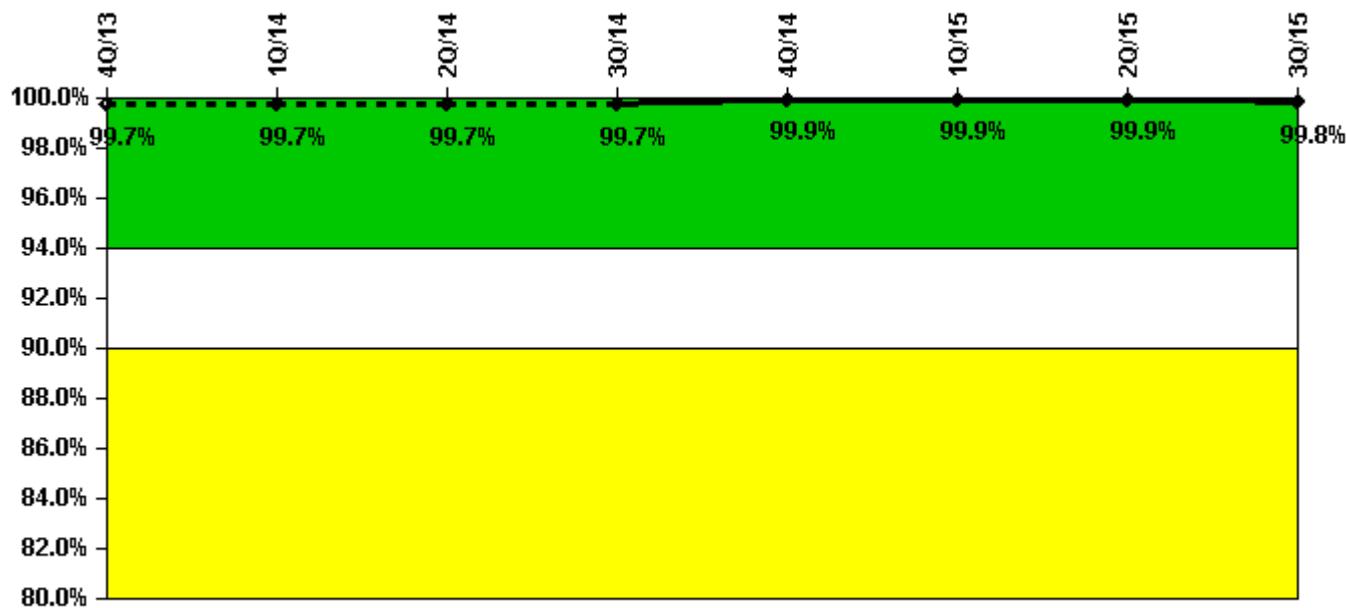
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Participating Key personnel	82.0	85.0	78.0	85.0	86.0	86.0	80.0	82.0
Total Key personnel	82.0	85.0	78.0	85.0	86.0	86.0	80.0	82.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



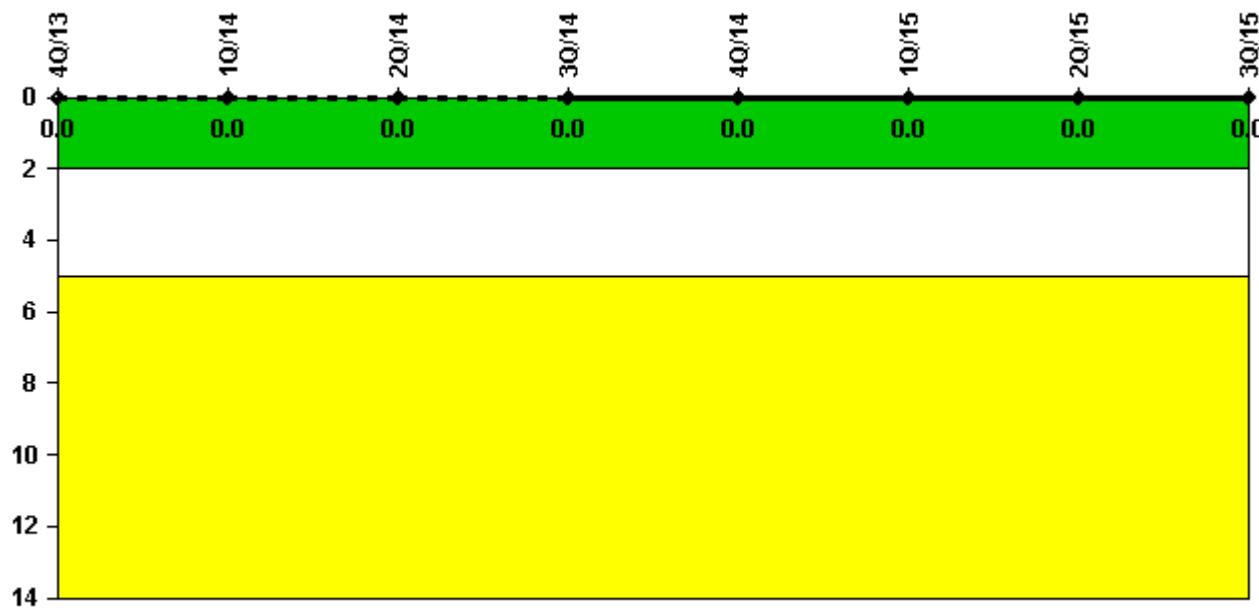
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful siren-tests	842	741	846	742	848	742	740	845
Total sirens-tests	848	742	848	742	848	742	742	848
Indicator value	99.7%	99.7%	99.7%	99.7%	99.9%	99.9%	99.9%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



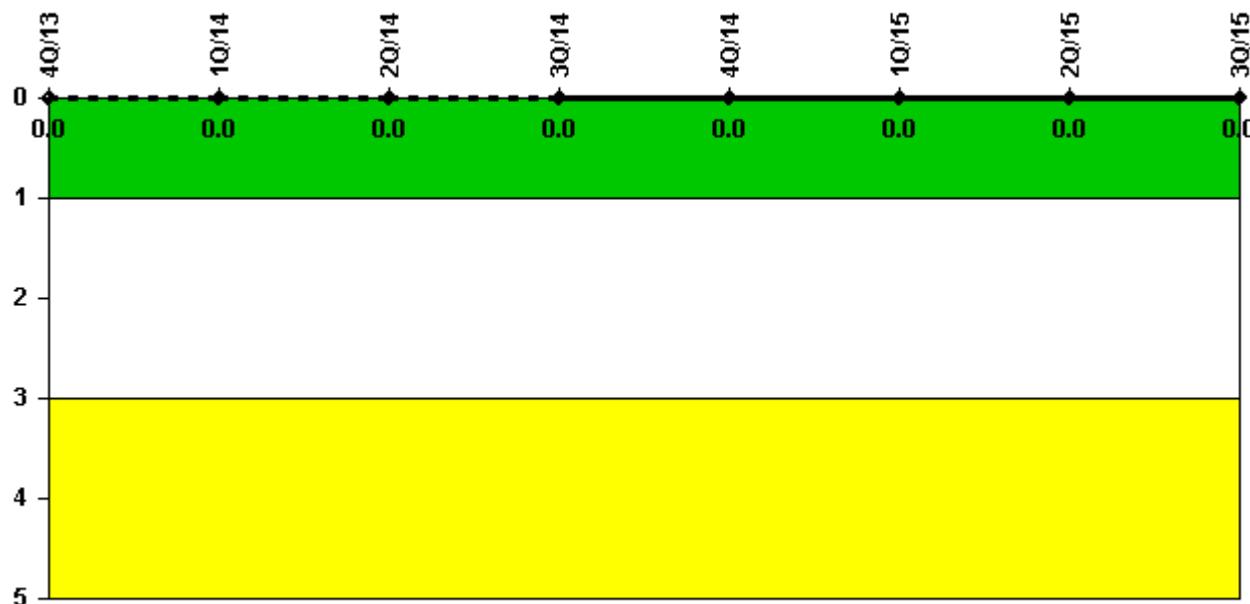
Thresholds: White > 2.0 Yellow > 5.0

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							

Licensee Comments: none

RETS/ODCM Radiological Effluent



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

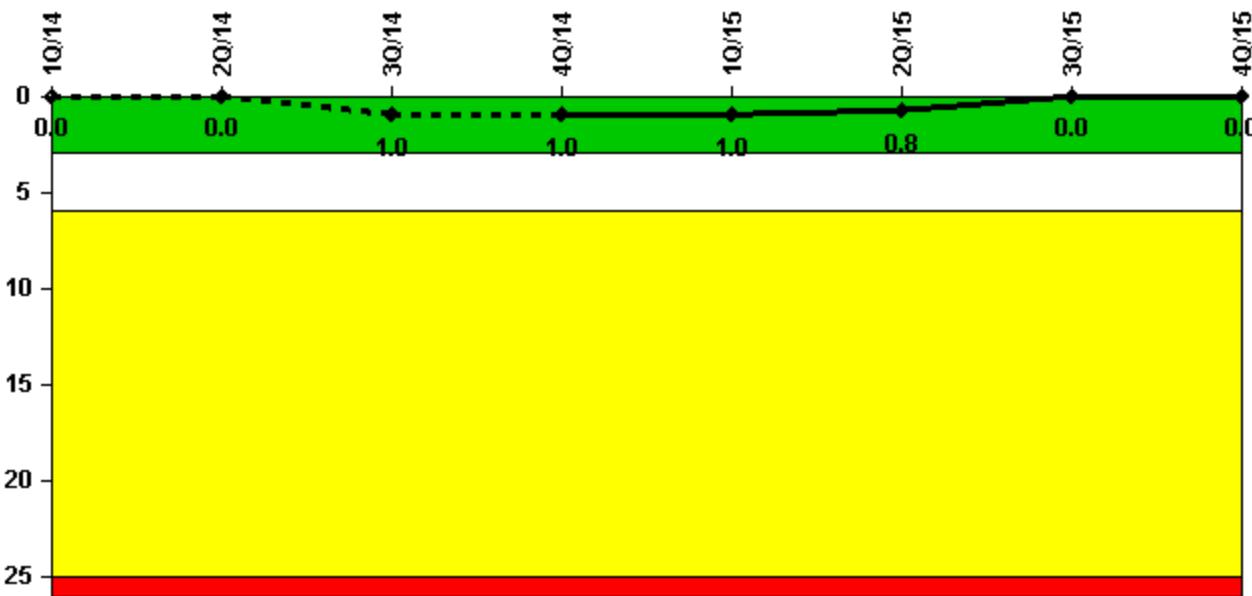
Summer

4Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



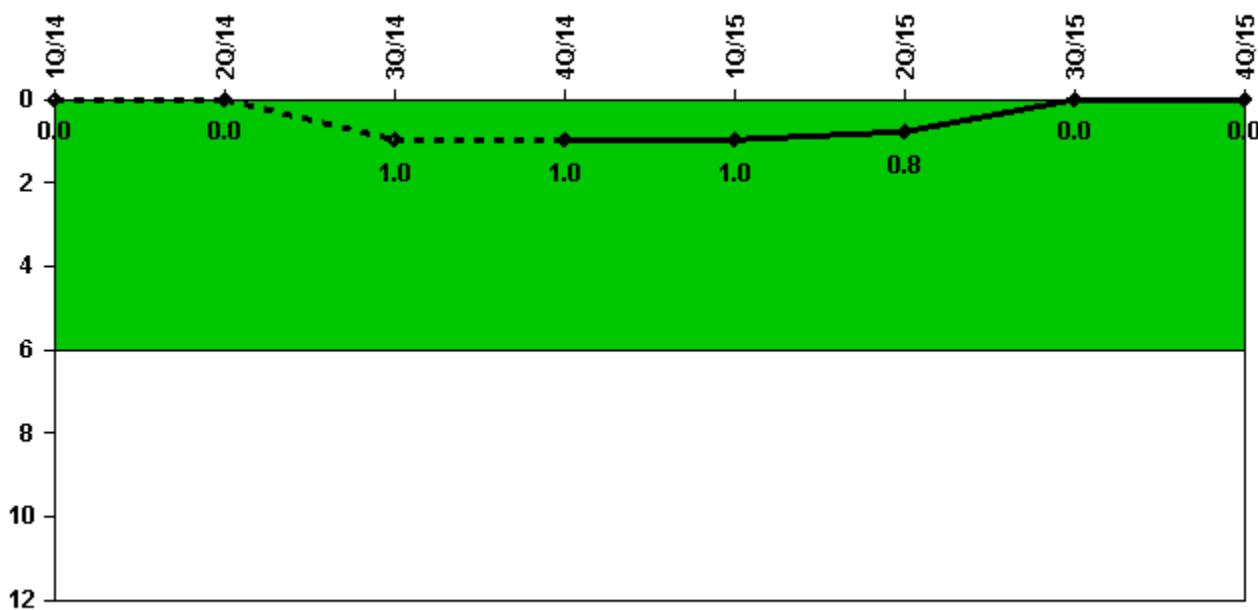
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2159.0	853.9	2012.4	2209.0	2159.0	2184.0	2208.0	786.4
Indicator value	0	0	1.0	1.0	1.0	0.8	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



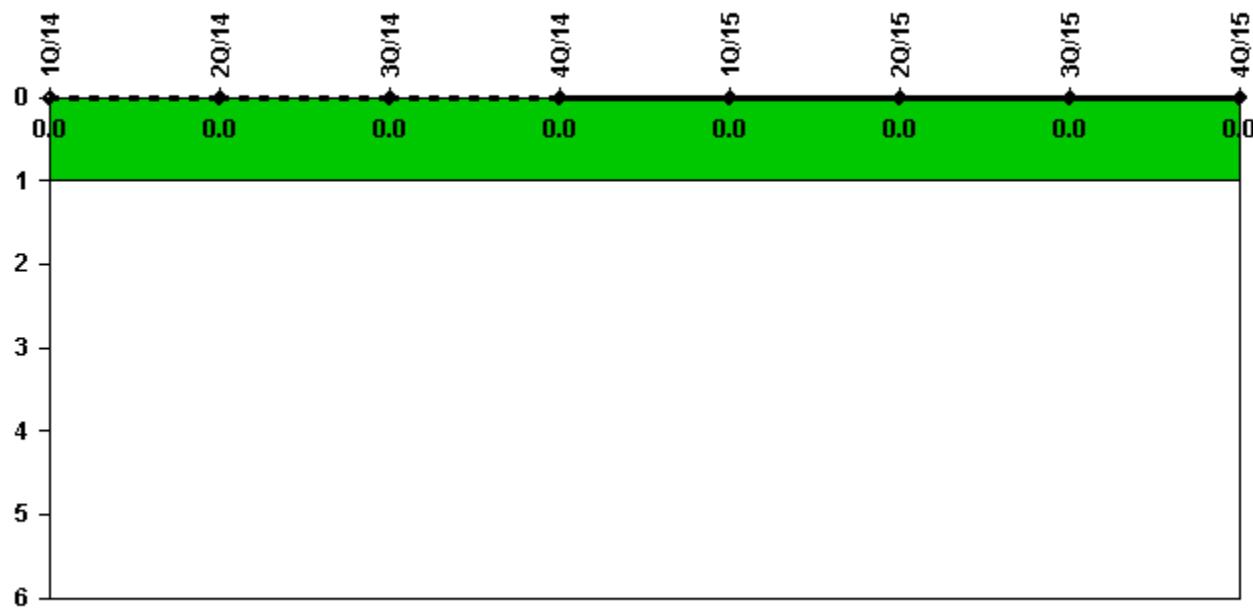
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2159.0	853.9	2012.4	2209.0	2159.0	2184.0	2208.0	786.4
Indicator value	0	0	1.0	1.0	1.0	0.8	0	0

Licensee Comments: none

Unplanned Scrams with Complications



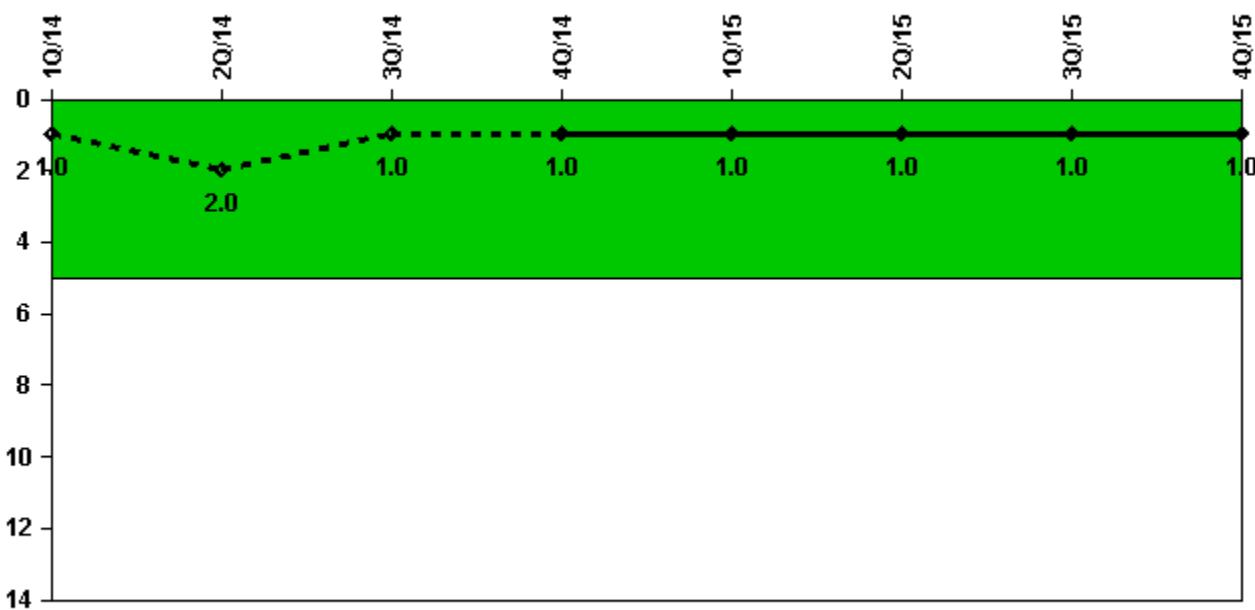
Thresholds: White > 1.0

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							

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

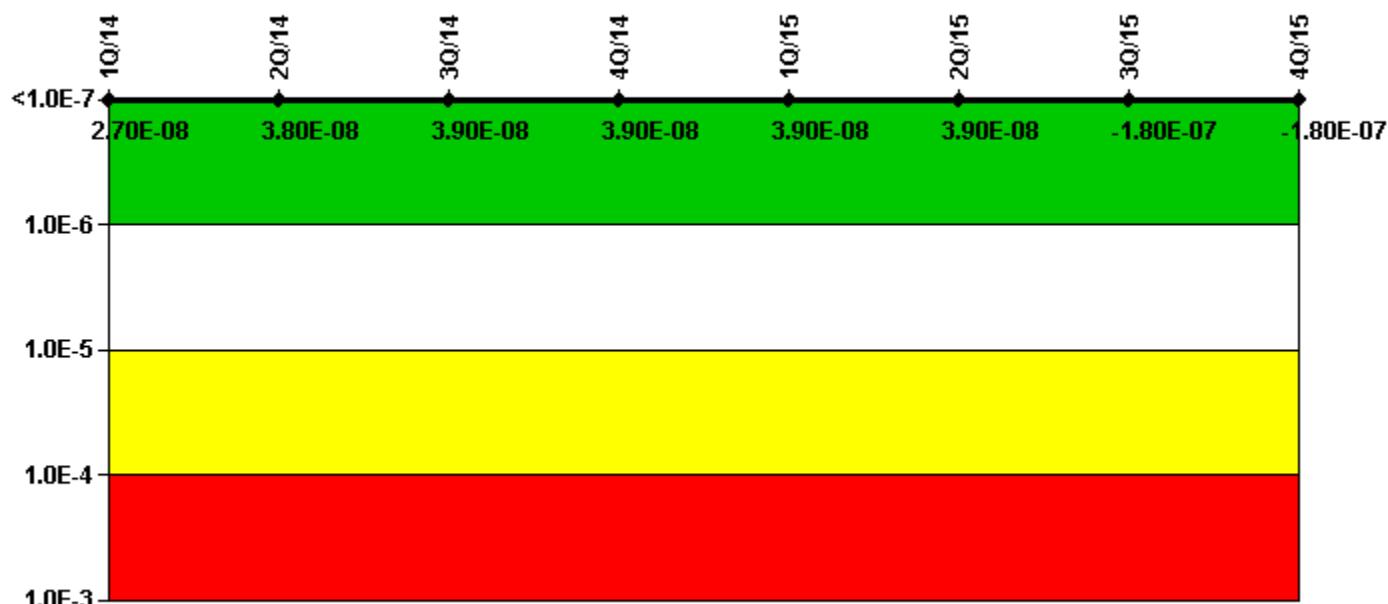
Notes

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

Licensee Comments:

2Q/14: LER 2014-001 CCW Emergency Makeup Valve failed to stroke properly.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

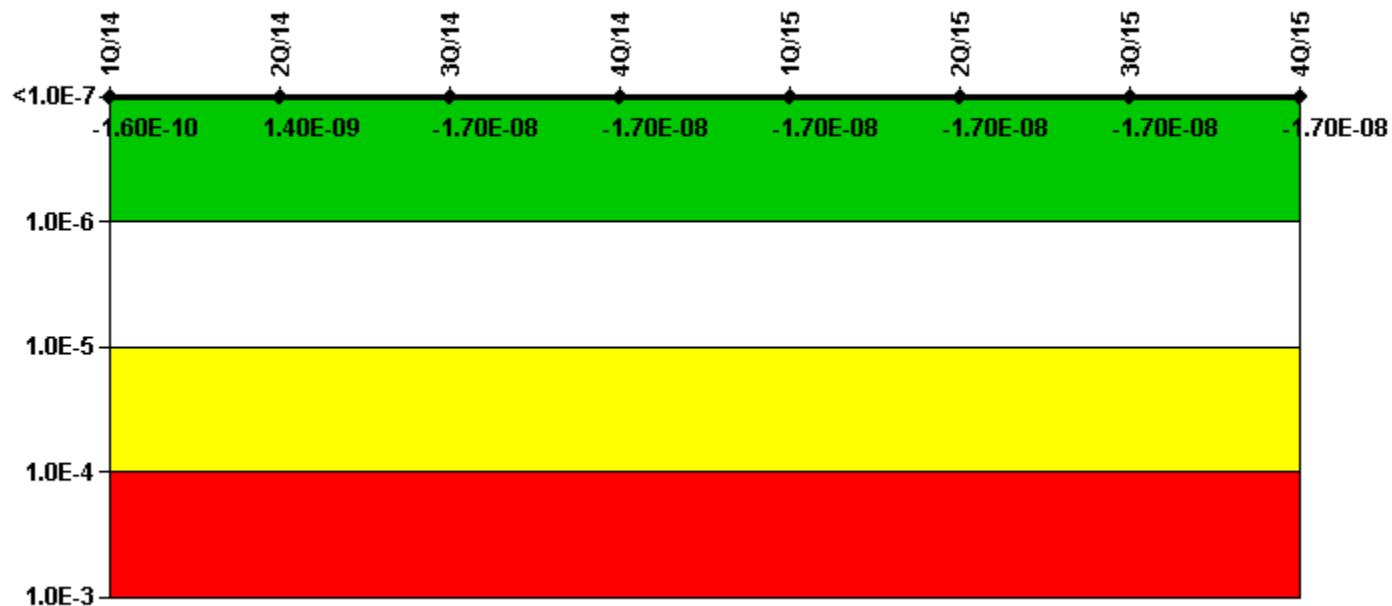
Mitigating Systems Performance Index, Emergency AC Power System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	3.38E-08	4.24E-08	4.30E-08	4.30E-08	4.30E-08	4.30E-08	-2.14E-09	-2.03E-09
URI (Δ CDF)	-7.19E-09	-4.44E-09	-4.44E-09	-4.44E-09	-4.44E-09	-4.44E-09	-1.78E-07	-1.78E-07
PLE	NO	NO						
Indicator value	2.70E-08	3.80E-08	3.90E-08	3.90E-08	3.90E-08	3.90E-08	-1.80E-07	-1.80E-07

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. EAC Baseline Planned Unavailability was adjusted to reflect the current maintenance strategy to support 24 month on-line overhaul schedule. Correct an error discovered regarding Unavailability events used for EAC (A and B DGs) and AFW (Terry Turbine) and the values being reported.

1Q/14: 3/5/2014 "A" DG was taken out of service for 36 hours 26 minutes for maintenance & repairs. 3/16/2014 - "B" DG taken out of service 140 hours 39 minutes for overhaul. 3/23/2014 - "B" DG taken out of service for 2 hours 2 minutes for Rocker Arm LO Filter replacement

Mitigating Systems Performance Index, High Pressure Injection System



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

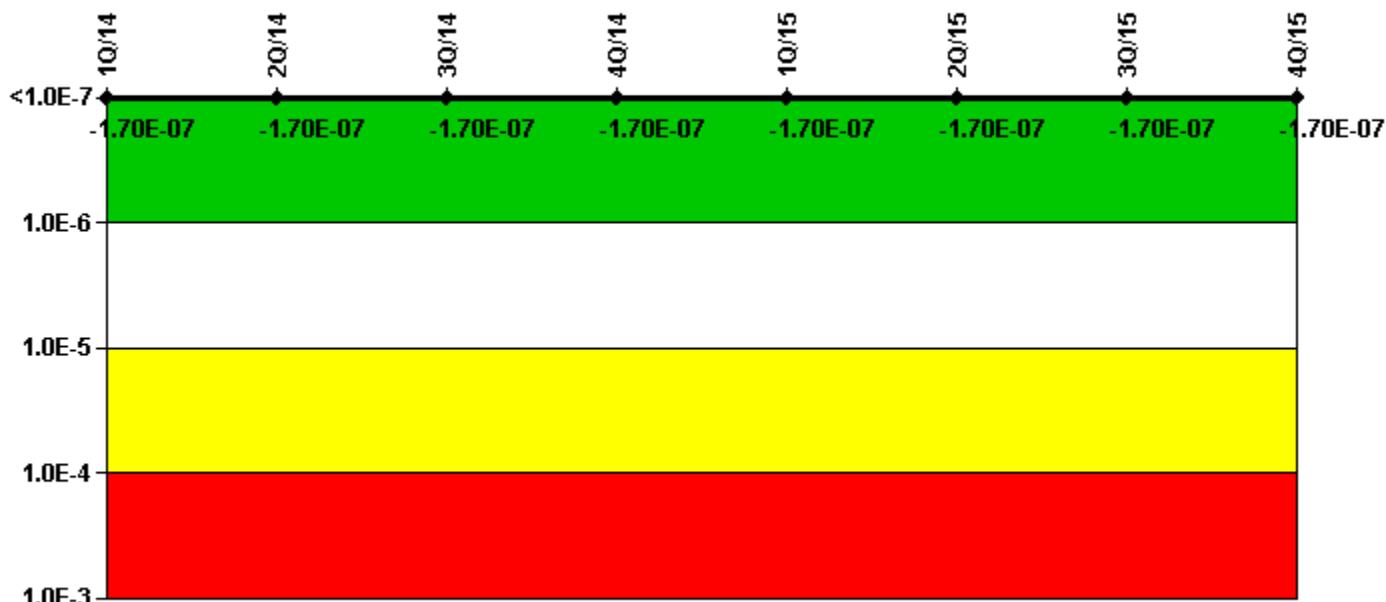
Notes

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 (Δ CDF)	-2.33E-09	-2.31E-09	-2.41E-09	-2.41E-09	-2.41E-09	-2.41E-09	-2.41E-09	-2.41E-09
URI (Δ CDF)	2.17E-09	3.68E-09	-1.43E-08	-1.43E-08	-1.43E-08	-1.43E-08	-1.43E-08	-1.43E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-10	1.40E-09	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b.

Mitigating Systems Performance Index, Heat Removal System



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

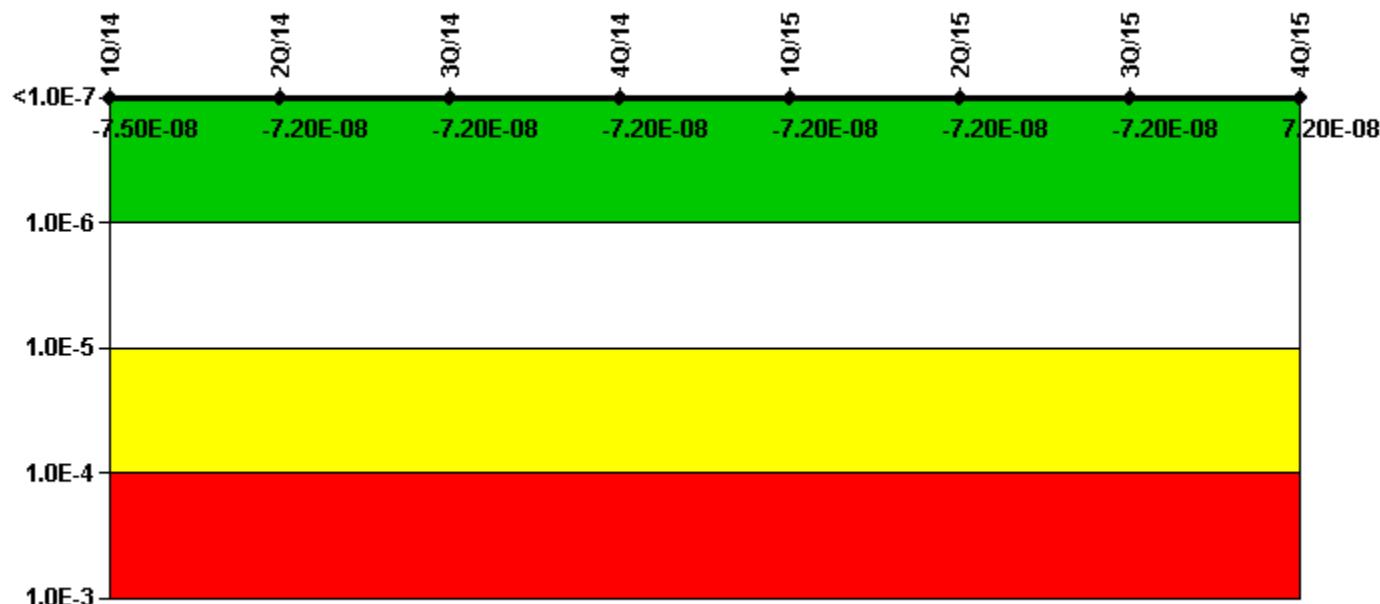
Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	-1.23E-08	-1.62E-08	-1.59E-08	-1.60E-08	-1.73E-08	-1.65E-08	-1.55E-08	-1.79E-08
URI (Δ CDF)	-1.55E-07	-1.56E-07						
PLE	NO							
Indicator value	-1.70E-07							

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. Correct an error discovered regarding Unavailability events used for EAC (A and B DGs) and AFW (Terry Turbine) and the values being reported.

Mitigating Systems Performance Index, Residual Heat Removal System



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

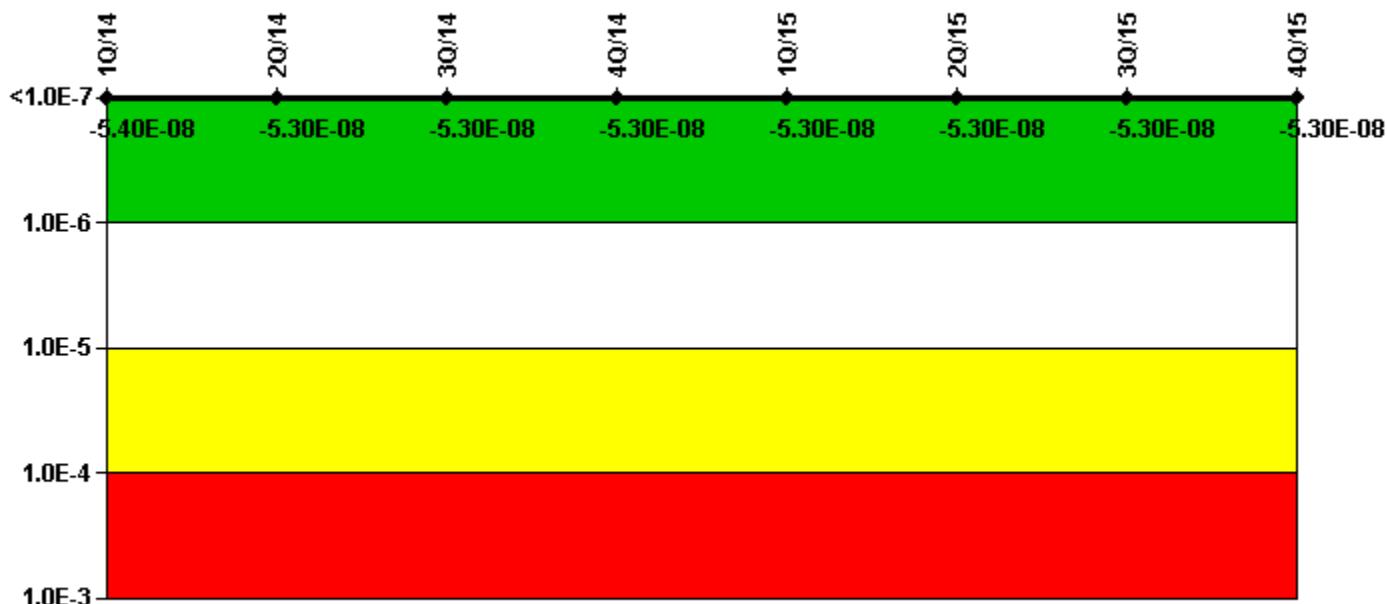
Notes

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 (Δ CDF)	-8.66E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09
URI (Δ CDF)	-6.66E-08	-6.37E-08	-6.37E-08	-6.37E-08	-6.37E-08	-6.37E-08	-6.37E-08	7.95E-08
PLE	NO	NO						
Indicator value	-7.50E-08	-7.20E-08	-7.20E-08	-7.20E-08	-7.20E-08	-7.20E-08	-7.20E-08	7.20E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b.

Mitigating Systems Performance Index, Cooling Water Systems



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

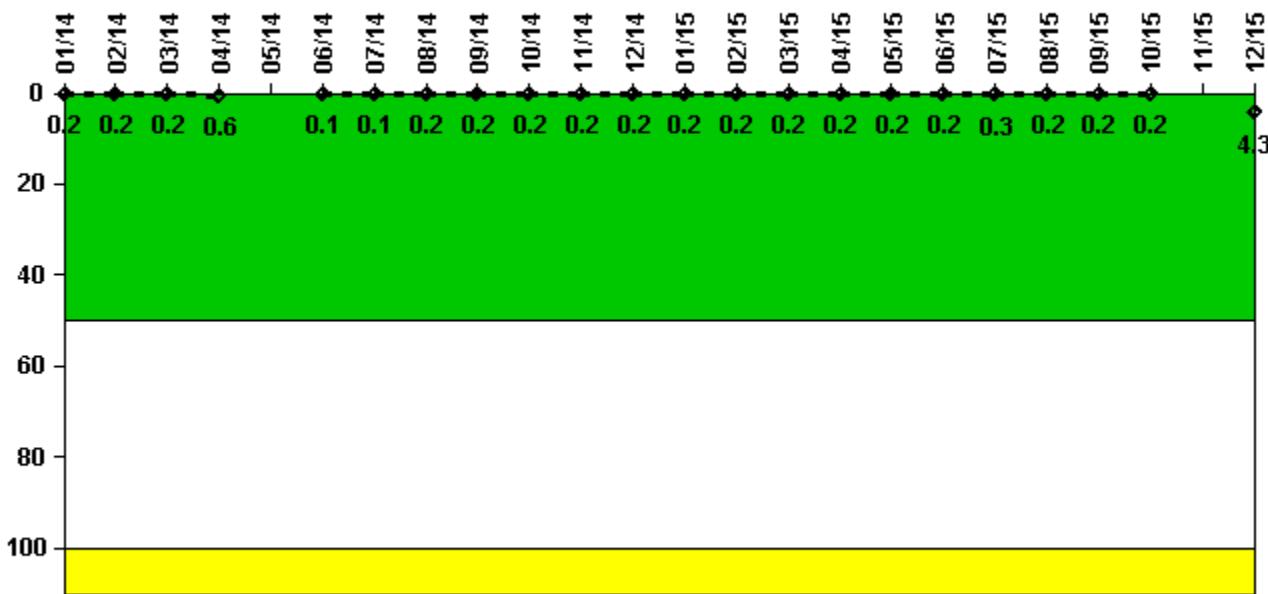
Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	-6.98E-09	-6.95E-09						
URI (Δ CDF)	-4.66E-08	-4.57E-08						
PLE	NO							
Indicator value	-5.40E-08	-5.30E-08						

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b

Reactor Coolant System Activity



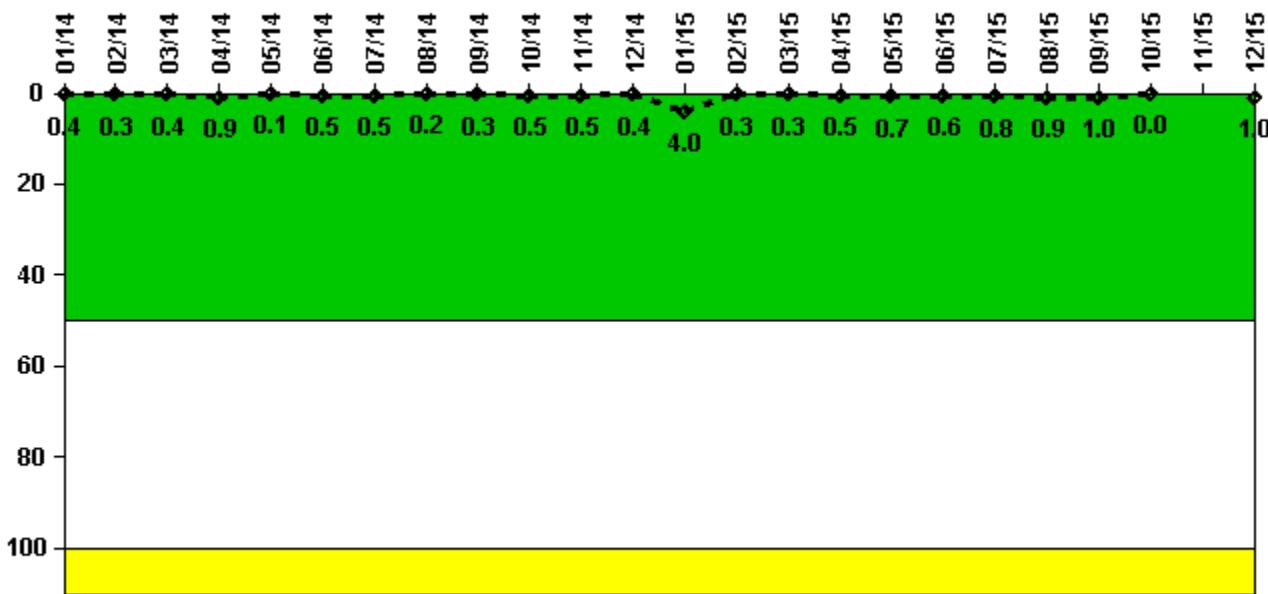
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum activity	0.000136	0.000141	0.000147	0.000346	N/A	0.000085	0.000088	0.000099	0.000090	0.000093	0.000102	0.000102
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	0.2	0.2	0.6	N/A	0.1	0.1	0.2	0.2	0.2	0.2	0.2
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	0.000102	0.000102	0.000102	0.000110	0.000109	0.000113	0.000164	0.000122	0.000130	0.000104	N/A	0.002512
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	N/A	4.3

Licensee Comments: none

Reactor Coolant System Leakage

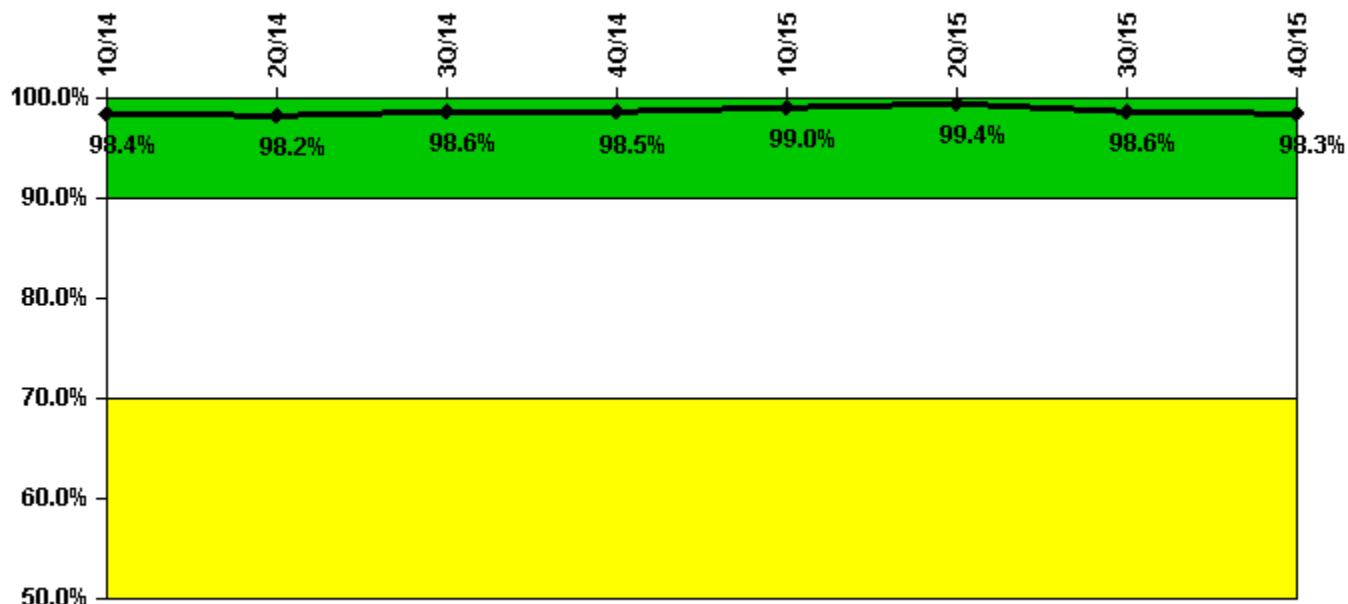


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14
Maximum leakage	0.040	0.030	0.040	0.090	0.010	0.050	0.050	0.020	0.030	0.050	0.050	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.4	0.3	0.4	0.9	0.1	0.5	0.5	0.2	0.3	0.5	0.5	0.4
Reactor Coolant System Leakage	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15
Maximum leakage	0.400	0.030	0.030	0.050	0.070	0.060	0.080	0.090	0.100	0	N/A	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	4.0	0.3	0.3	0.5	0.7	0.6	0.8	0.9	1.0	0	N/A	1.0

Licensee Comments: none

Drill/Exercise Performance

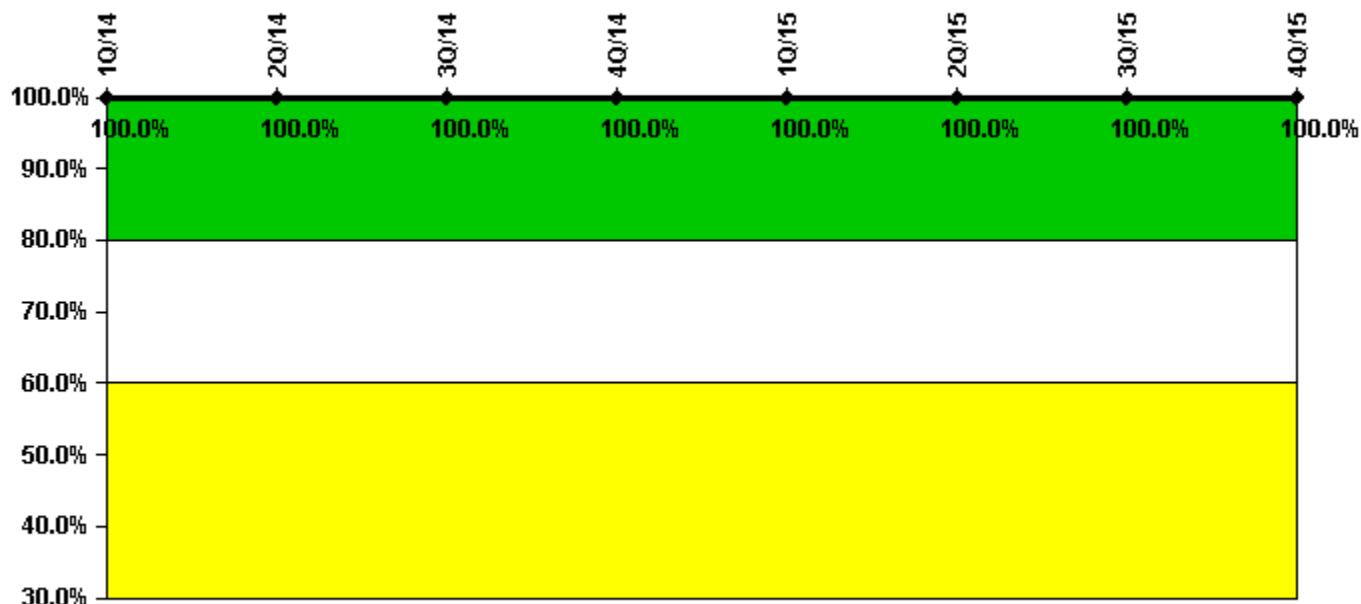
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful opportunities	34.0	12.0	71.0	53.0	36.0	20.0	69.0	0
Total opportunities	34.0	12.0	71.0	54.0	36.0	20.0	73.0	0
Indicator value	98.4%	98.2%	98.6%	98.5%	99.0%	99.4%	98.6%	98.3%

Licensee Comments: none

ERO Drill Participation



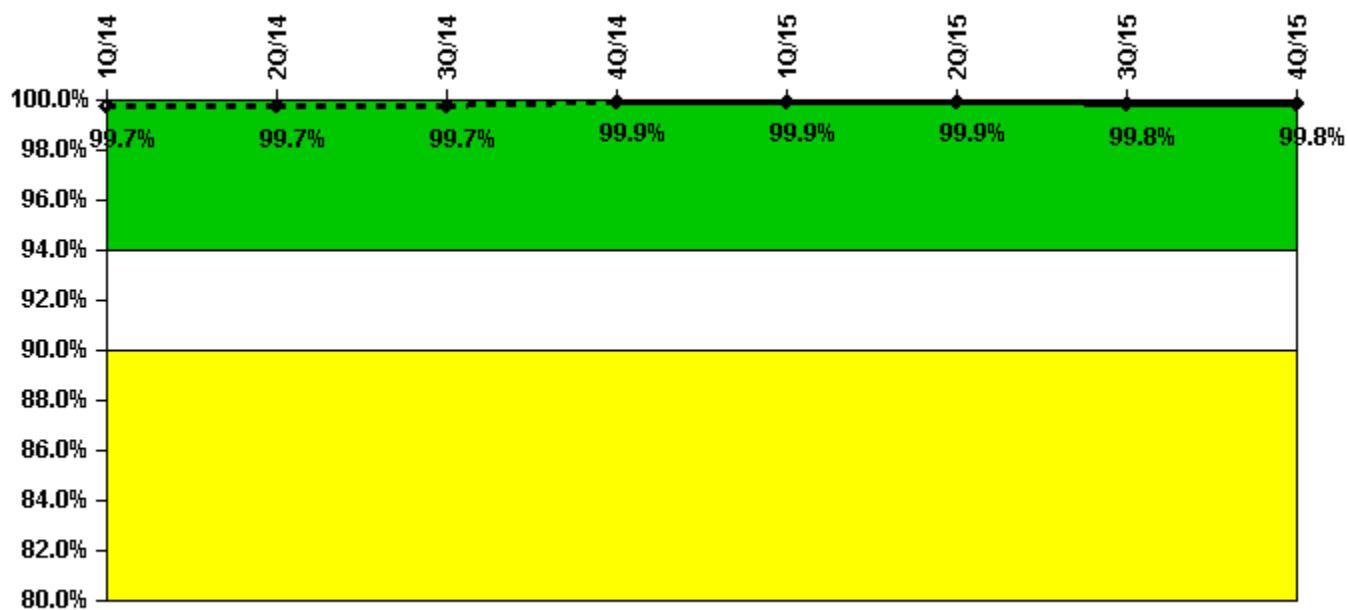
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Participating Key personnel	85.0	78.0	85.0	86.0	86.0	80.0	82.0	83.0
Total Key personnel	85.0	78.0	85.0	86.0	86.0	80.0	82.0	83.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



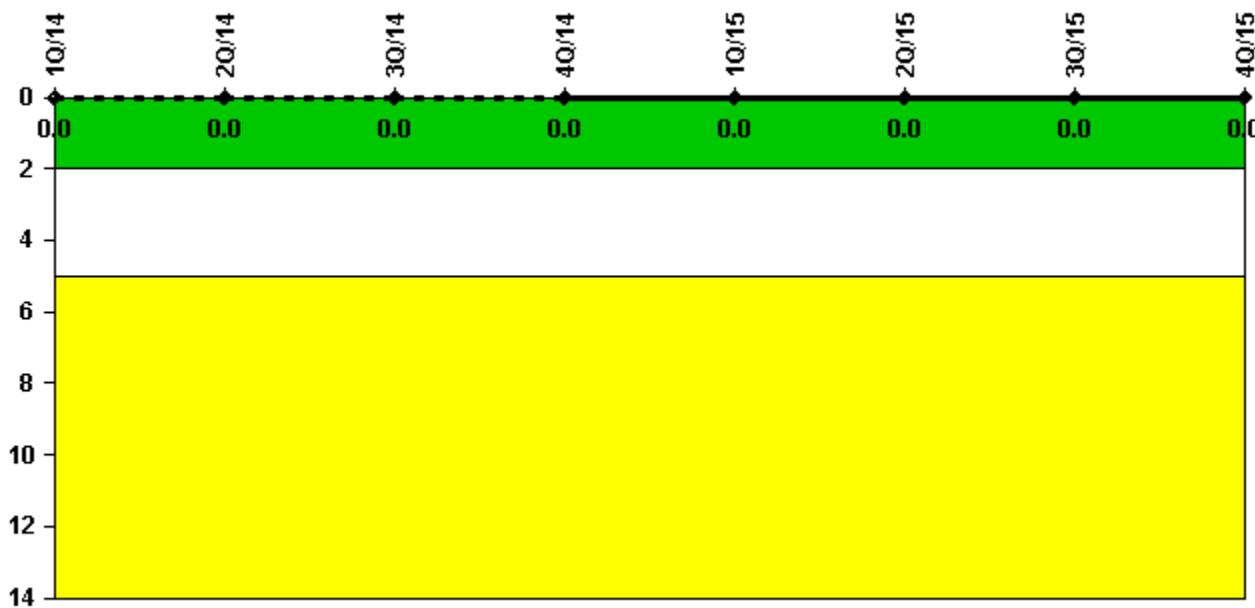
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful siren-tests	741	846	742	848	742	740	845	862
Total sirens-tests	742	848	742	848	742	742	848	863
Indicator value	99.7%	99.7%	99.7%	99.9%	99.9%	99.9%	99.8%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness

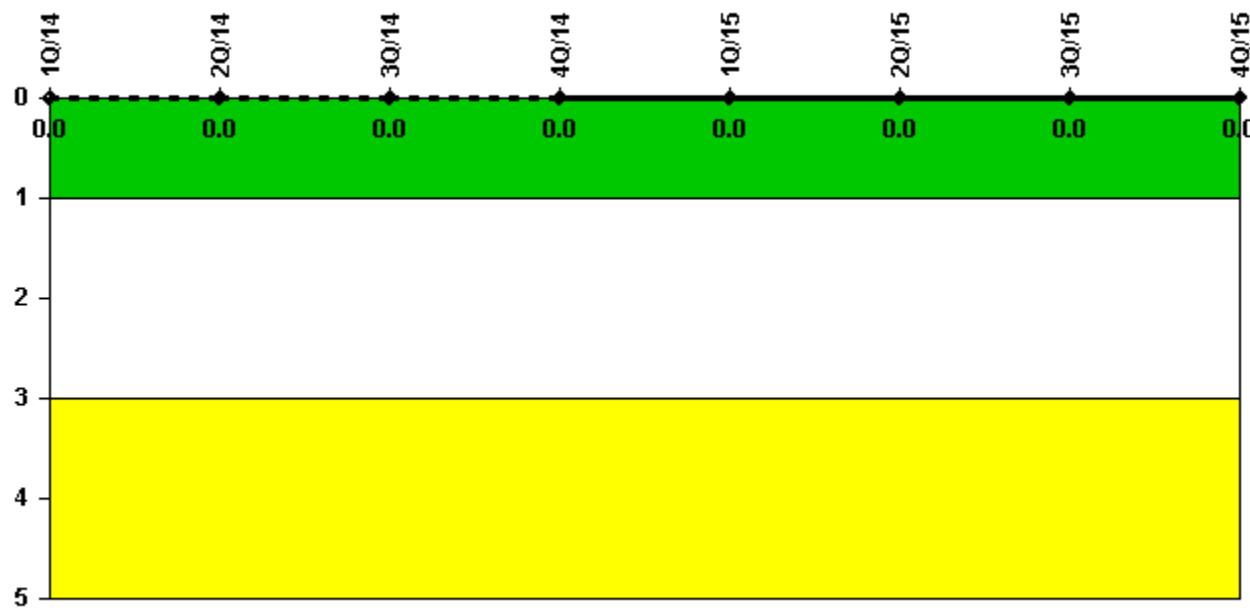


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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							

Licensee Comments: none

RETS/ODCM Radiological Effluent

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							

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

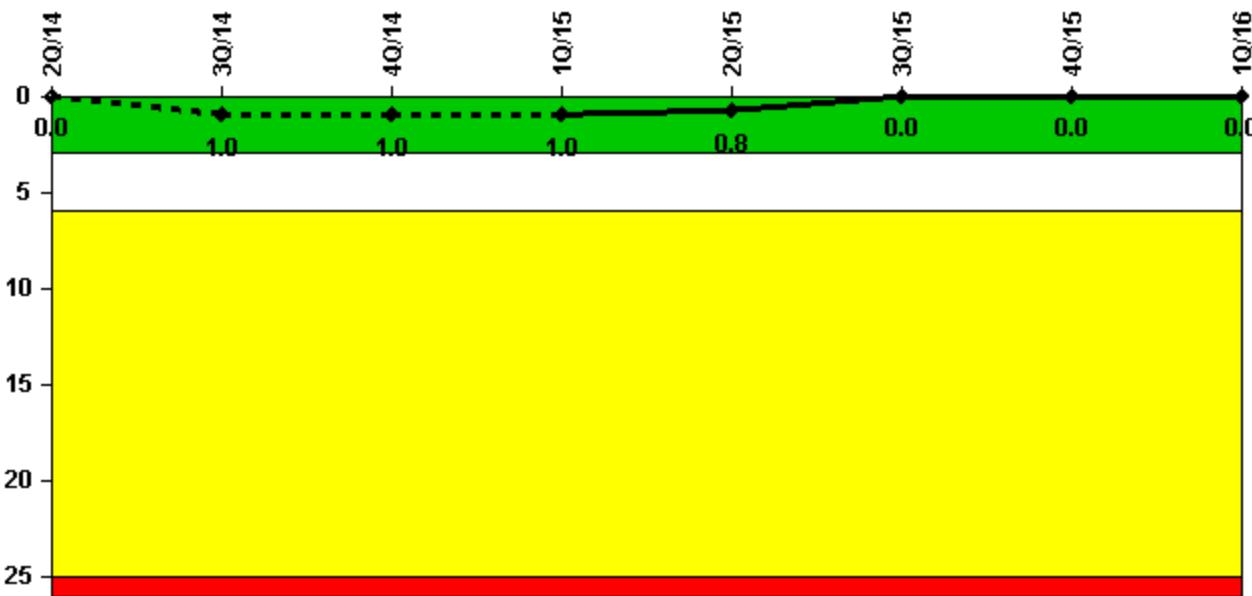
Summer

1Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



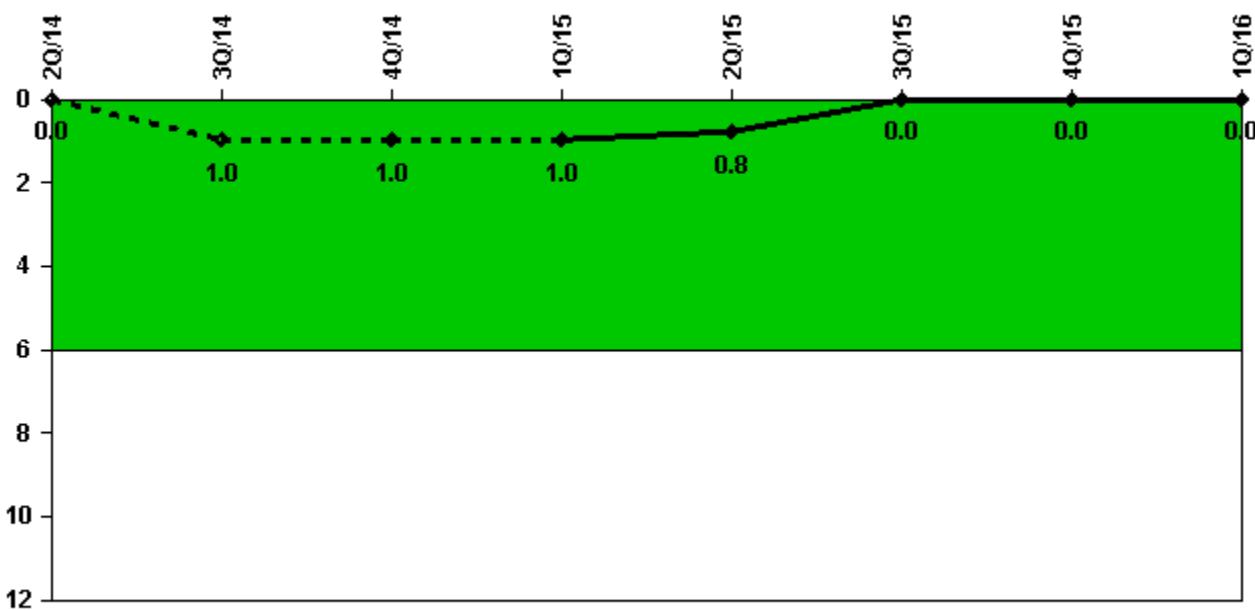
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	0	0
Critical hours	853.9	2012.4	2209.0	2159.0	2184.0	2208.0	786.4	2183.0
Indicator value	0	1.0	1.0	1.0	0.8	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



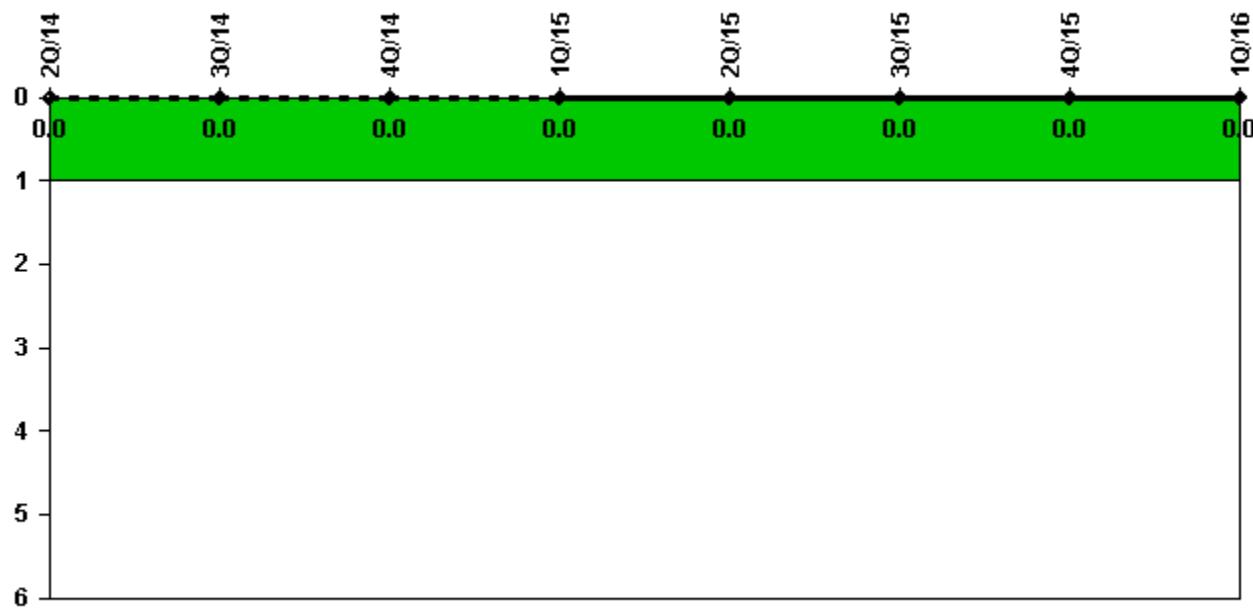
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	853.9	2012.4	2209.0	2159.0	2184.0	2208.0	786.4	2183.0
Indicator value	0	1.0	1.0	1.0	0.8	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



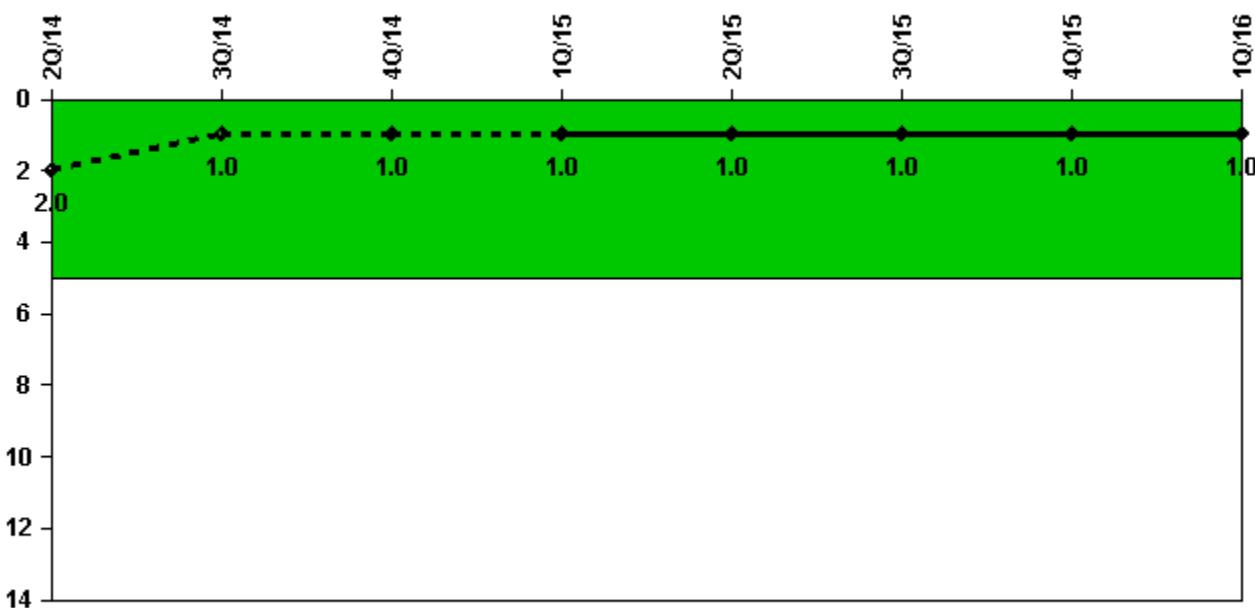
Thresholds: White > 1.0

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							

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

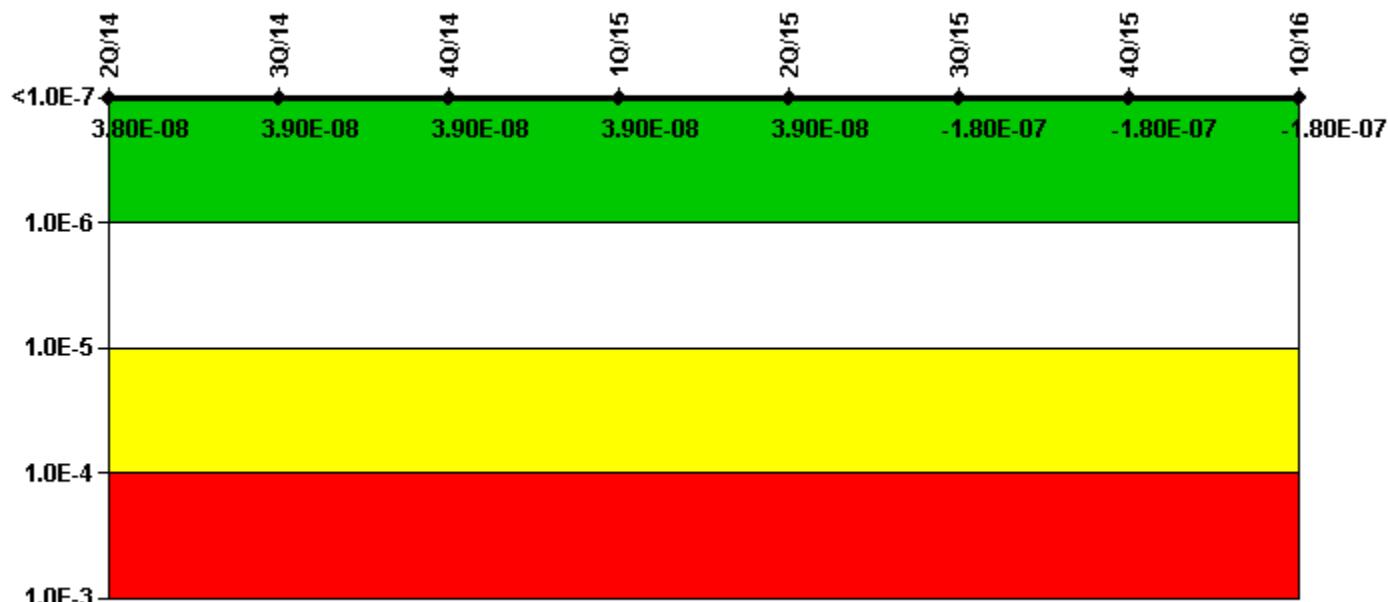
Notes

Safety System Functional Failures (PWR)	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Safety System Functional Failures	1	0	0	0	1	0	0	0
Indicator value	2	1						

Licensee Comments:

2Q/14: LER 2014-001 CCW Emergency Makeup Valve failed to stroke properly.

Mitigating Systems Performance Index, Emergency AC Power System



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

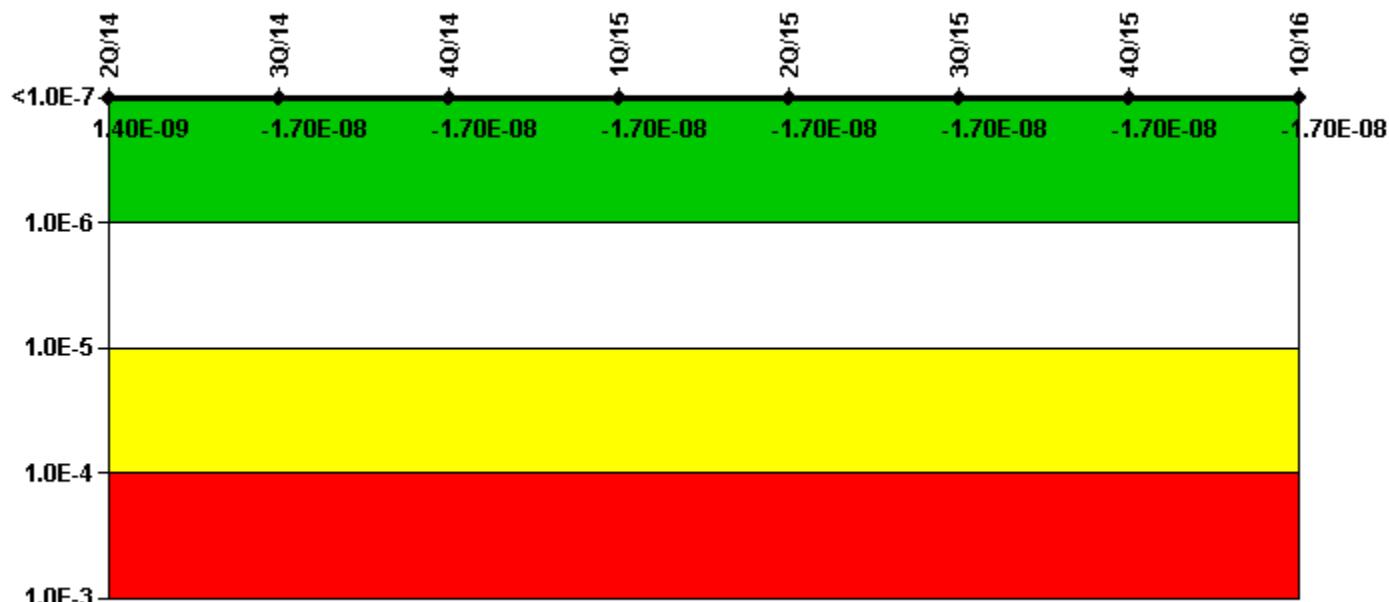
Notes

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 (Δ CDF)	4.24E-08	4.30E-08	4.30E-08	4.30E-08	4.30E-08	-2.14E-09	-2.03E-09	-2.22E-09
URI (Δ CDF)	-4.44E-09	-4.44E-09	-4.44E-09	-4.44E-09	-4.44E-09	-1.78E-07	-1.78E-07	-1.78E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.80E-08	3.90E-08	3.90E-08	3.90E-08	3.90E-08	-1.80E-07	-1.80E-07	-1.80E-07

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. EAC Baseline Planned Unavailability was adjusted to reflect the current maintenance strategy to support 24 month on-line overhaul schedule. Correct an error discovered regarding Unavailability events used for EAC (A and B DGs) and AFW (Terry Turbine) and the values being reported.

Mitigating Systems Performance Index, High Pressure Injection System



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

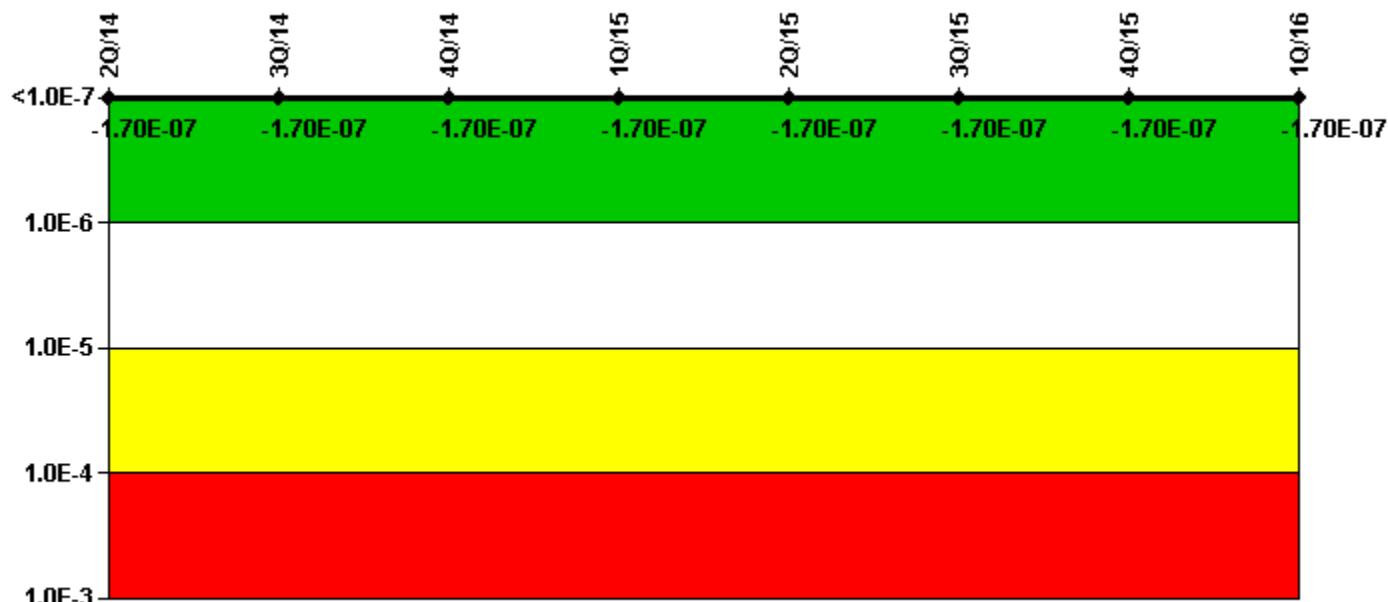
Notes

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 (Δ CDF)	-2.31E-09	-2.41E-09						
URI (Δ CDF)	3.68E-09	-1.43E-08						
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.40E-09	-1.70E-08						

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b.

Mitigating Systems Performance Index, Heat Removal System



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

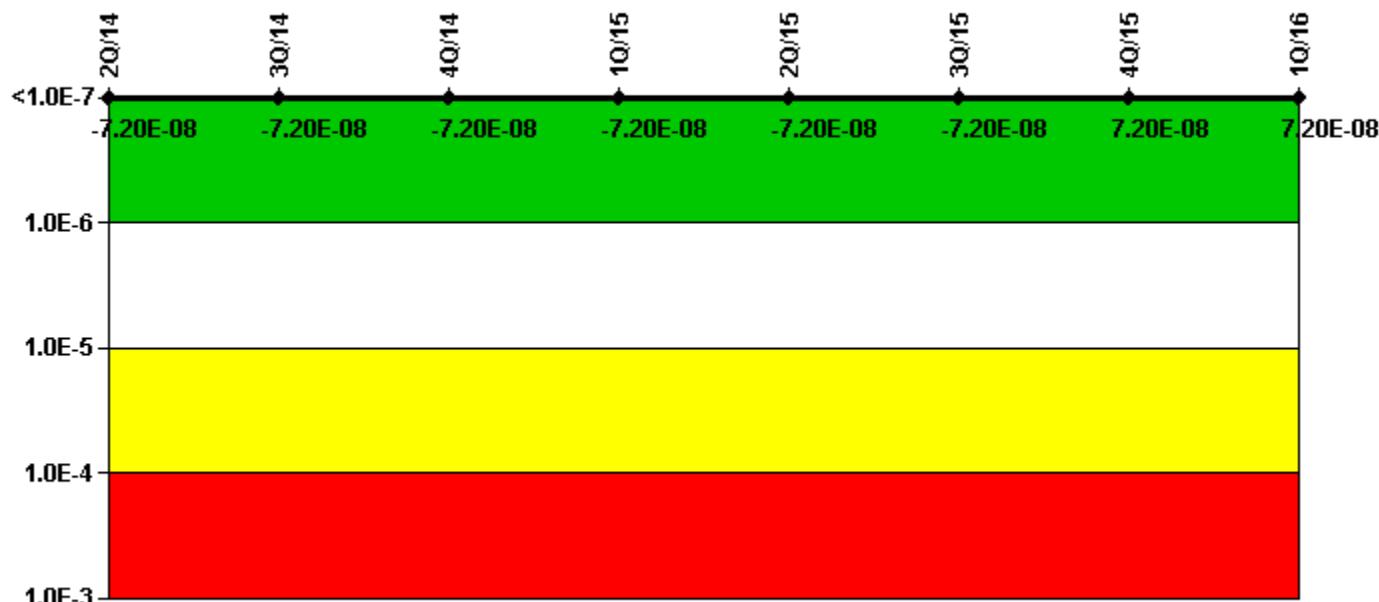
Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (Δ CDF)	-1.62E-08	-1.59E-08	-1.60E-08	-1.73E-08	-1.65E-08	-1.55E-08	-1.79E-08	-1.77E-08
URI (Δ CDF)	-1.56E-07							
PLE	NO							
Indicator value	-1.70E-07							

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b. Correct an error discovered regarding Unavailability events used for EAC (A and B DGs) and AFW (Terry Turbine) and the values being reported.

Mitigating Systems Performance Index, Residual Heat Removal System



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

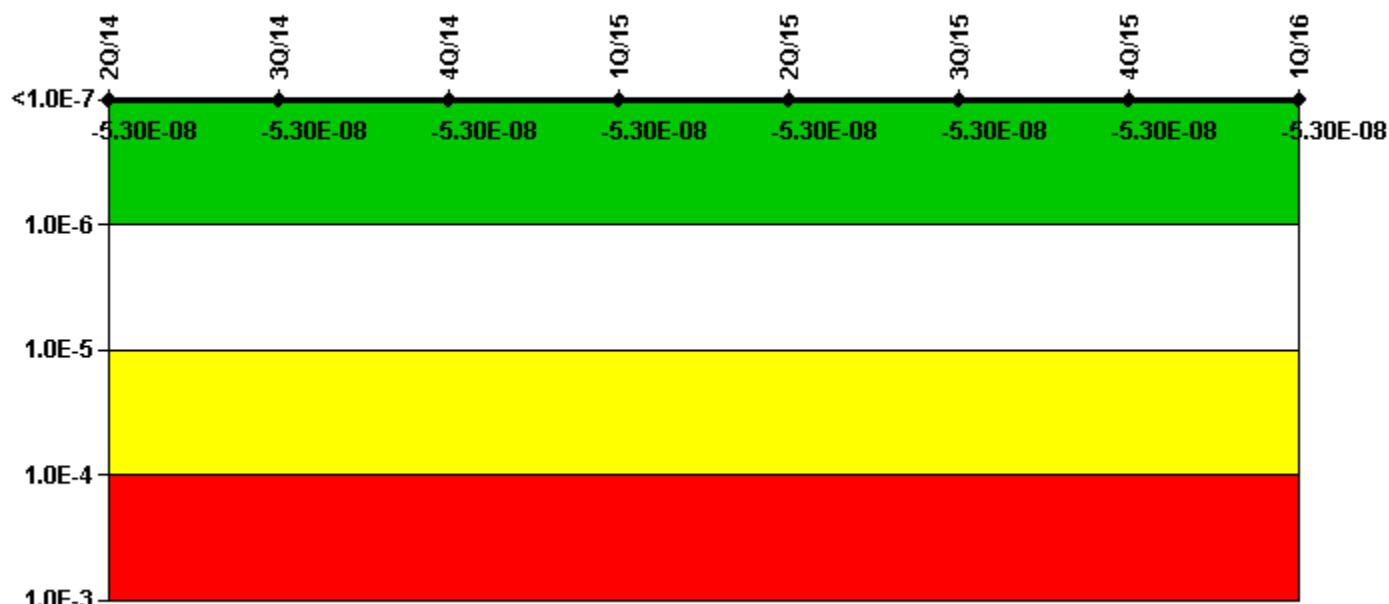
Notes

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 (Δ CDF)	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09
URI (Δ CDF)	-6.37E-08	-6.37E-08	-6.37E-08	-6.37E-08	-6.37E-08	-6.37E-08	7.95E-08	7.95E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.20E-08	-7.20E-08	-7.20E-08	-7.20E-08	-7.20E-08	-7.20E-08	7.20E-08	7.20E-08

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b.

Mitigating Systems Performance Index, Cooling Water Systems



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

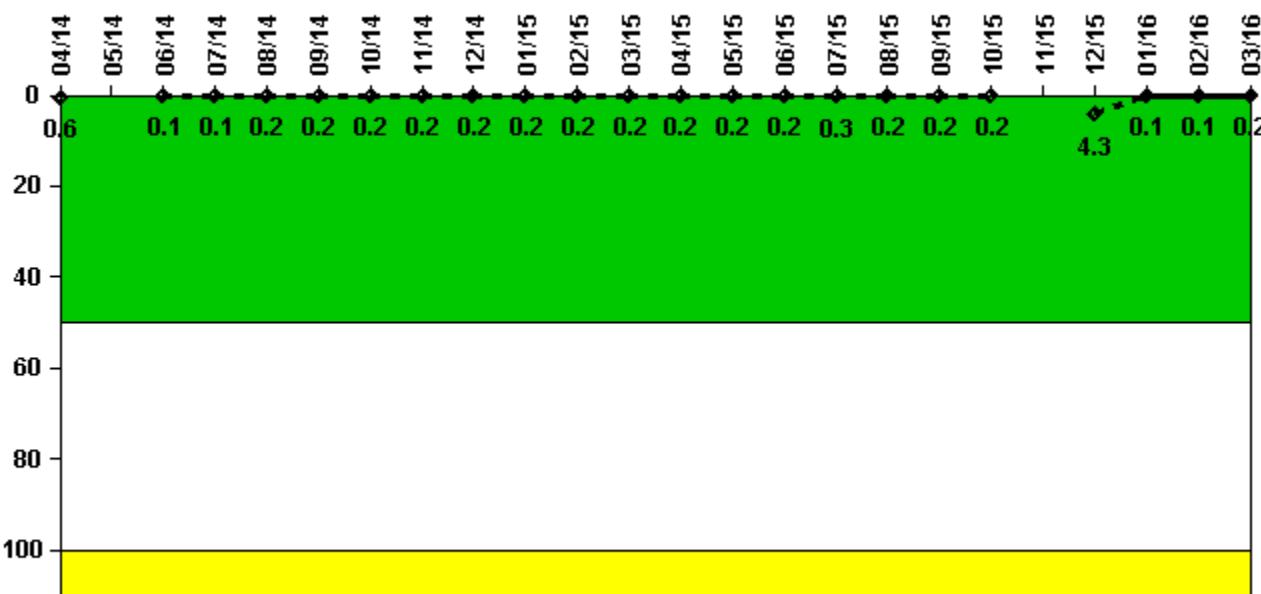
Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (Δ CDF)	-6.95E-09							
URI (Δ CDF)	-4.57E-08							
PLE	NO							
Indicator value	-5.30E-08							

Licensee Comments:

2Q/14: Changed PRA Parameter(s). PRA parameter update to reflect changes in the PRA model affecting the Level 2 model, EOOS mapping logic, and type code corrections in PRA model 7b

Reactor Coolant System Activity



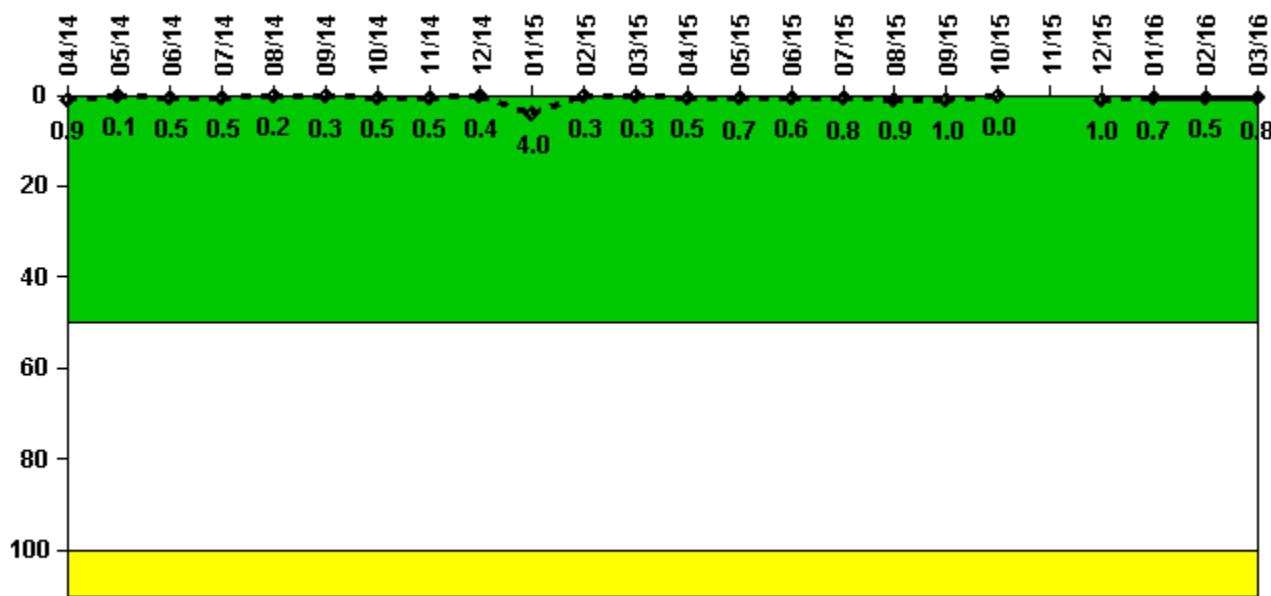
Thresholds: White > 50.0 Yellow > 100.0

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	0.000346	N/A	0.000085	0.000088	0.000099	0.000090	0.000093	0.000102	0.000102	0.000102	0.000102	0.000102
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.6	N/A	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	0.000110	0.000109	0.000113	0.000164	0.000122	0.000130	0.000104	N/A	0.002512	0.000083	0.000082	0.000147
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	0.2	0.2	0.3	0.2	0.2	0.2	N/A	4.3	0.1	0.1	0.2

Licensee Comments: none

Reactor Coolant System Leakage



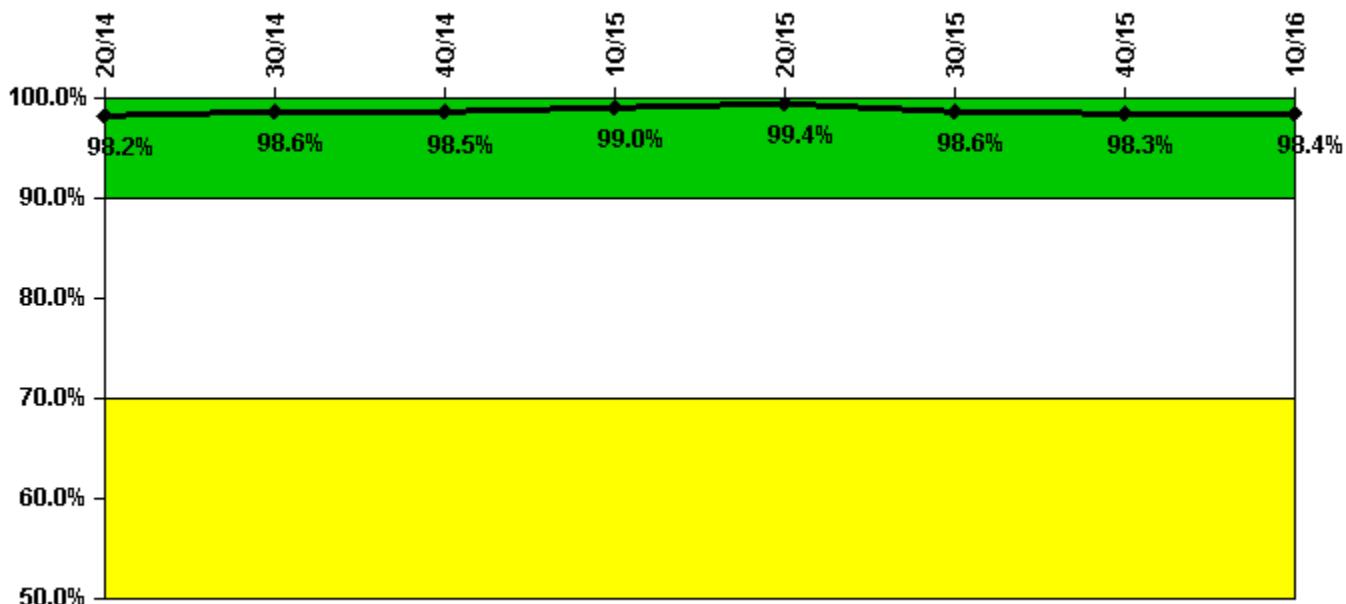
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15
Maximum leakage	0.090	0.010	0.050	0.050	0.020	0.030	0.050	0.050	0.040	0.400	0.030	0.030
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	0.1	0.5	0.5	0.2	0.3	0.5	0.5	0.4	4.0	0.3	0.3

Reactor Coolant System Leakage	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum leakage	0.050	0.070	0.060	0.080	0.090	0.100	0	N/A	0.100	0.070	0.050	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.7	0.6	0.8	0.9	1.0	0	N/A	1.0	0.7	0.5	0.8

Licensee Comments: none

Drill/Exercise Performance

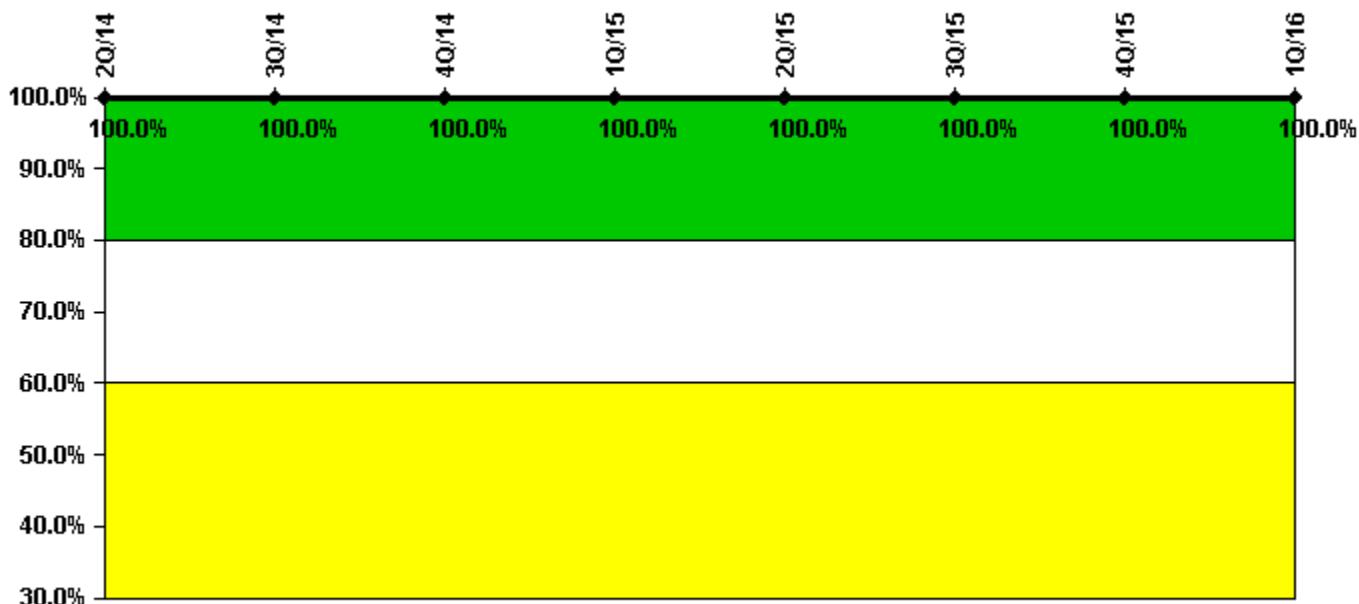
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful opportunities	12.0	71.0	53.0	36.0	20.0	69.0	0	43.0
Total opportunities	12.0	71.0	54.0	36.0	20.0	73.0	0	43.0
Indicator value	98.2%	98.6%	98.5%	99.0%	99.4%	98.6%	98.3%	98.4%

Licensee Comments: none

ERO Drill Participation



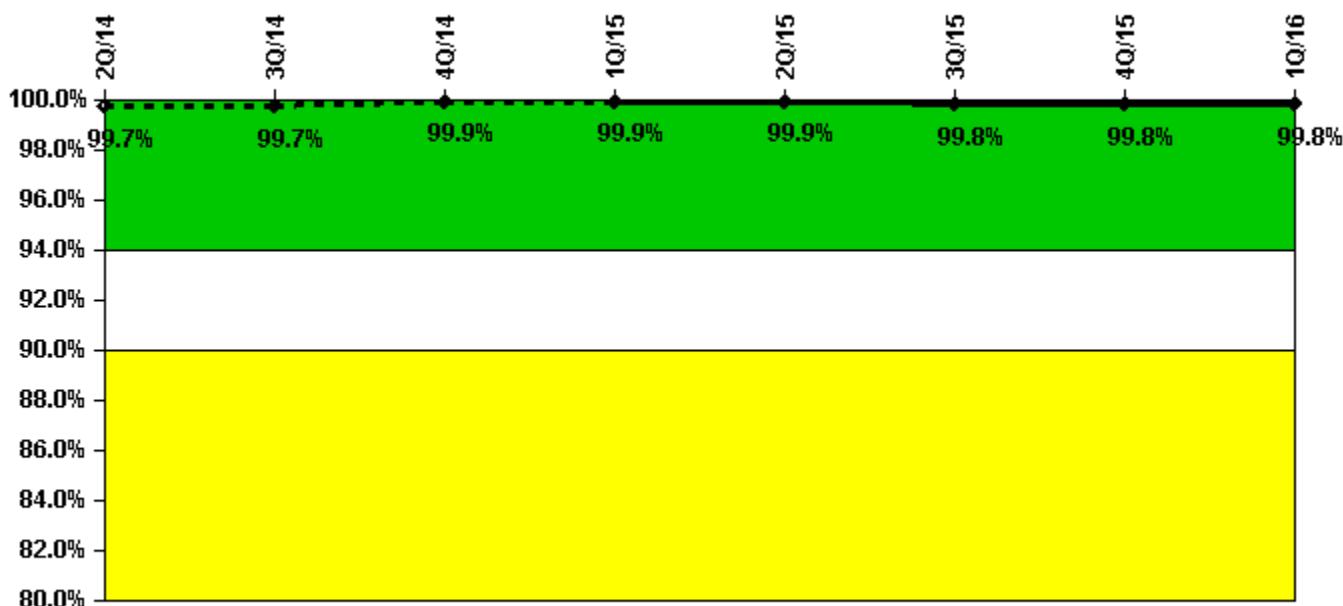
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Participating Key personnel	78.0	85.0	86.0	86.0	80.0	82.0	83.0	85.0
Total Key personnel	78.0	85.0	86.0	86.0	80.0	82.0	83.0	85.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



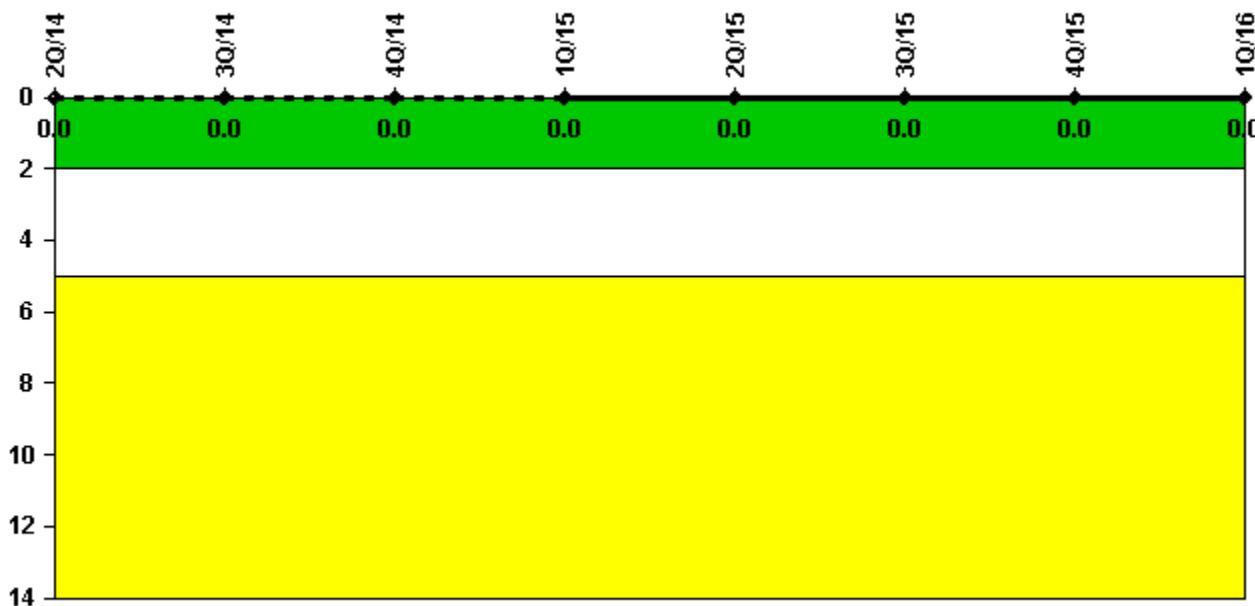
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful siren-tests	846	742	848	742	740	845	862	763
Total sirens-tests	848	742	848	742	742	848	863	763
Indicator value	99.7%	99.7%	99.9%	99.9%	99.9%	99.8%	99.8%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness

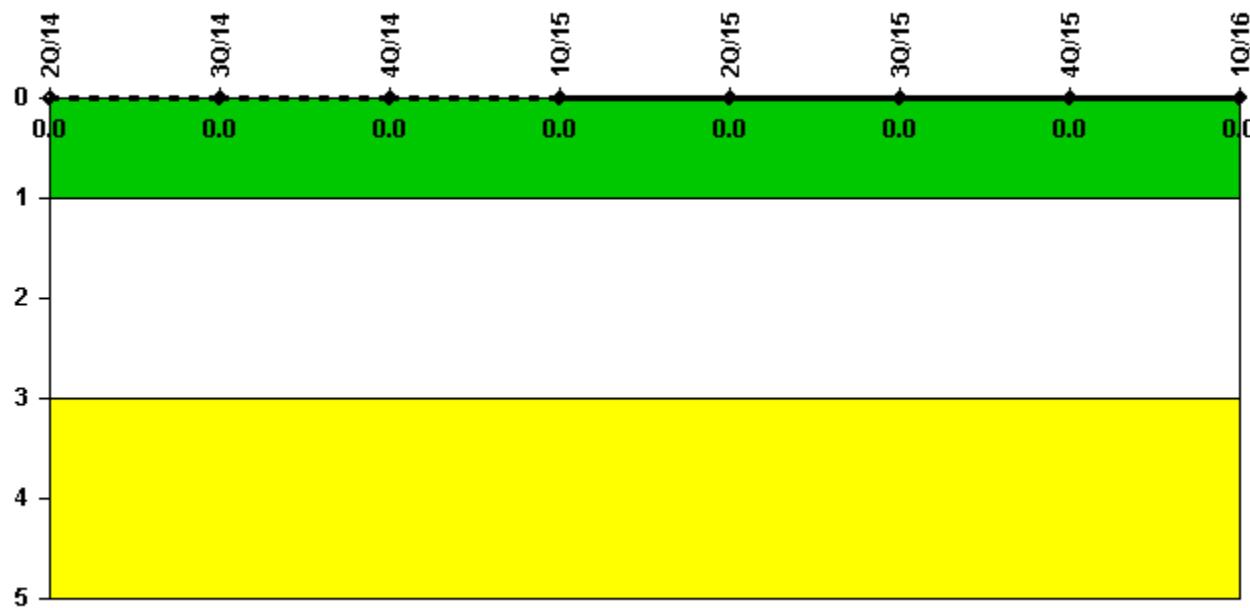


Notes

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							

Licensee Comments: none

RETS/ODCM Radiological Effluent



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							

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

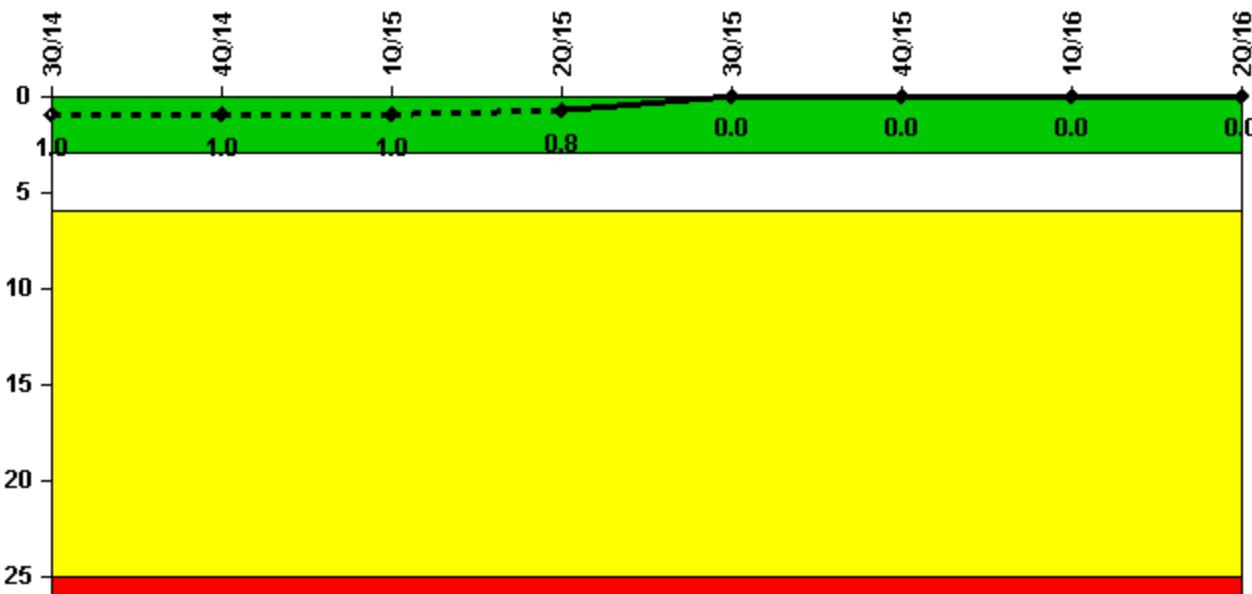
Summer

2Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



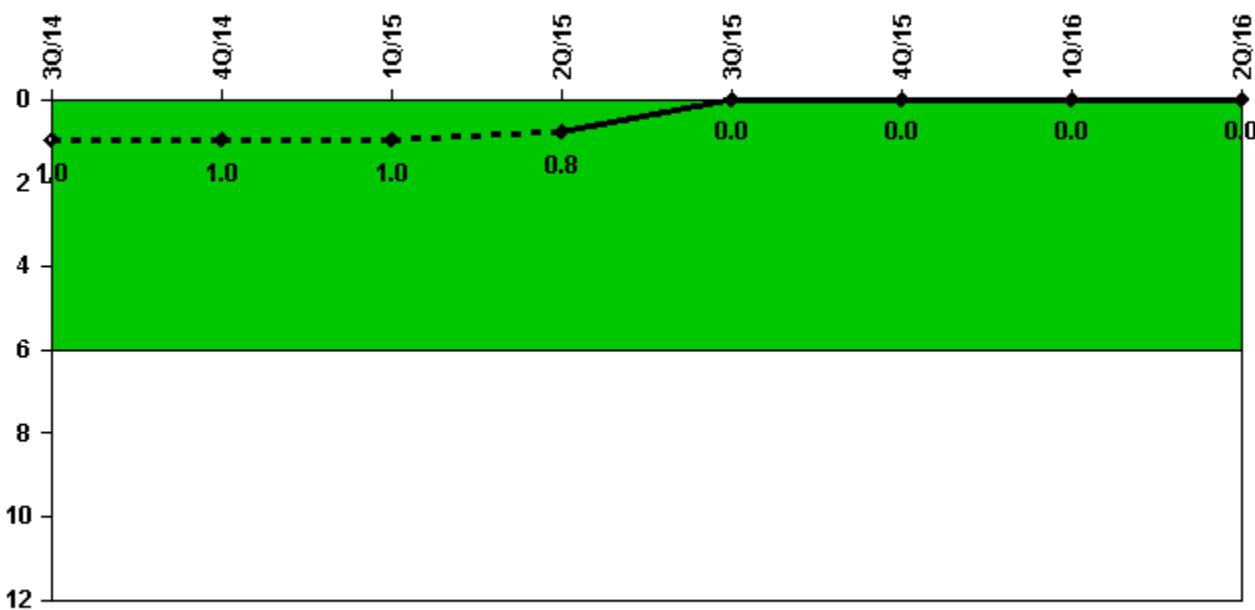
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	0	0	0
Critical hours	2012.4	2209.0	2159.0	2184.0	2208.0	786.4	2183.0	2184.0
Indicator value	1.0	1.0	1.0	0.8	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



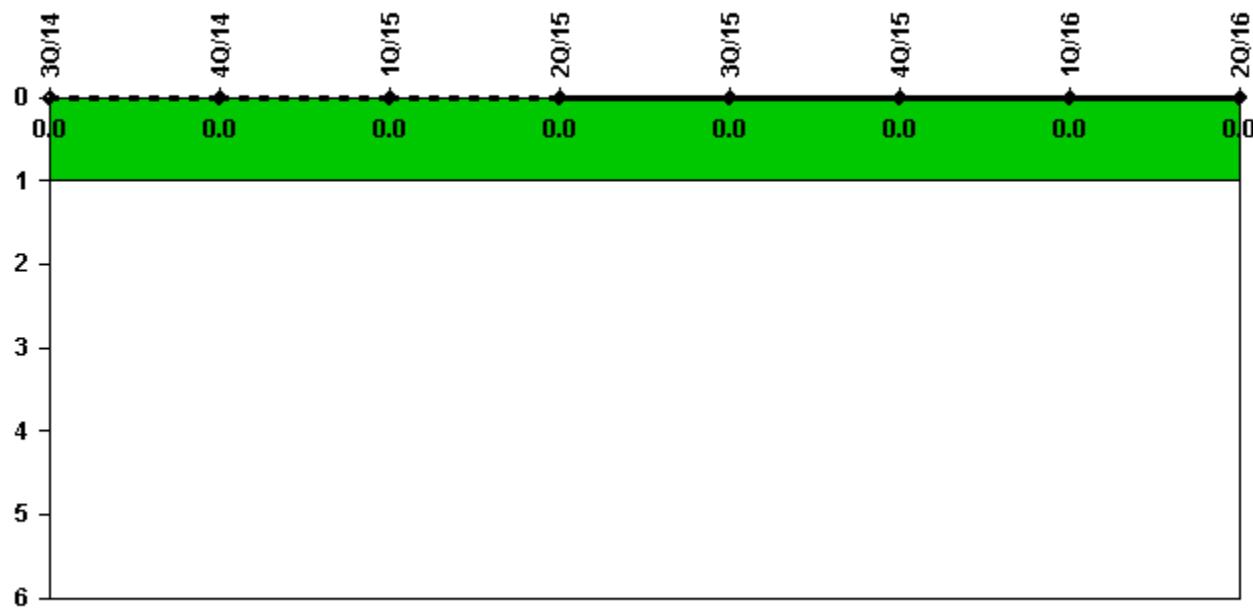
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	2012.4	2209.0	2159.0	2184.0	2208.0	786.4	2183.0	2184.0
Indicator value	1.0	1.0	1.0	0.8	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



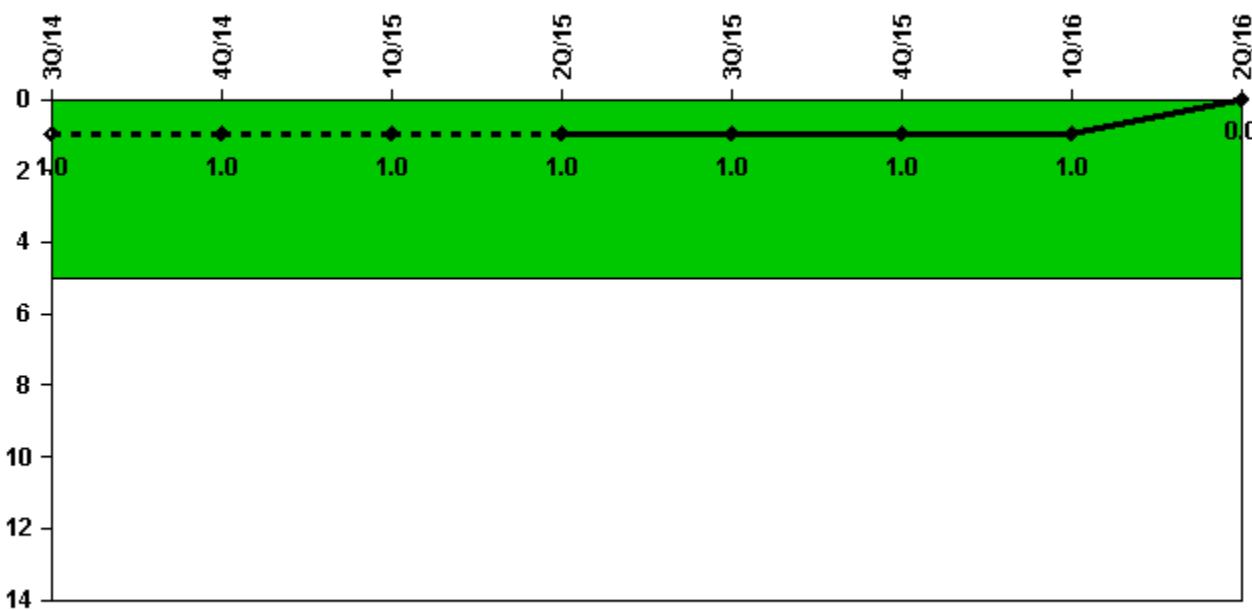
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0							

Licensee Comments: none

Safety System Functional Failures (PWR)



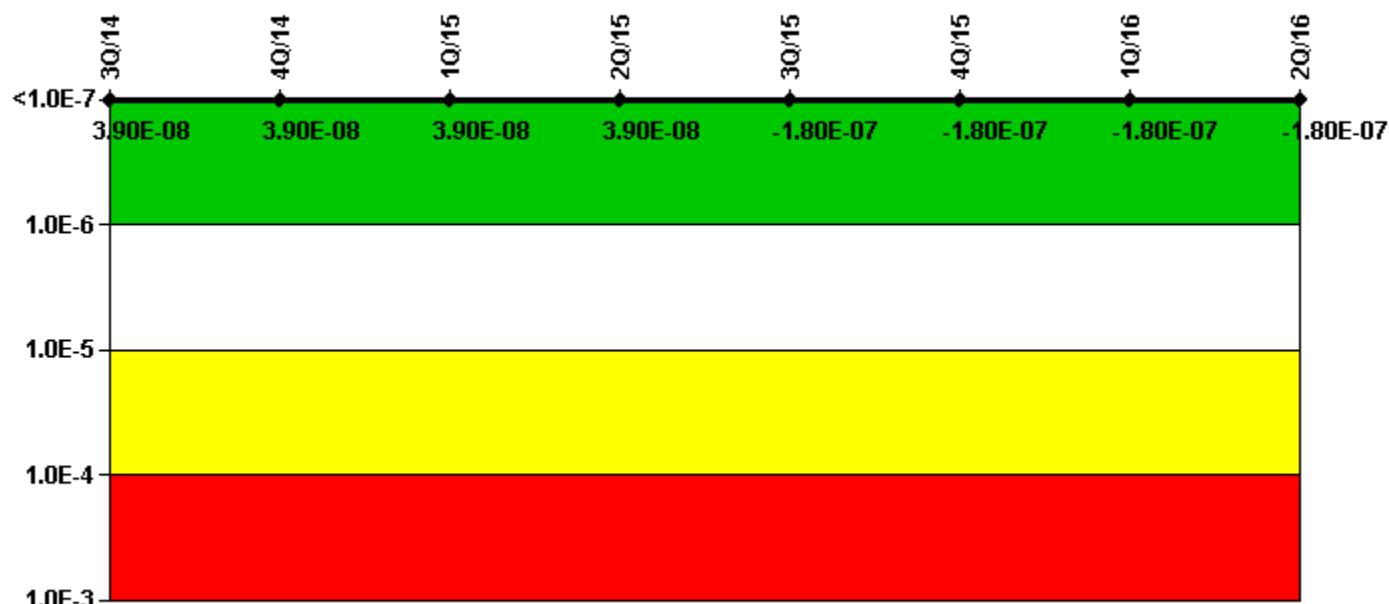
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Safety System Functional Failures	0	0	0	1	0	0	0	0
Indicator value	1	0						

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



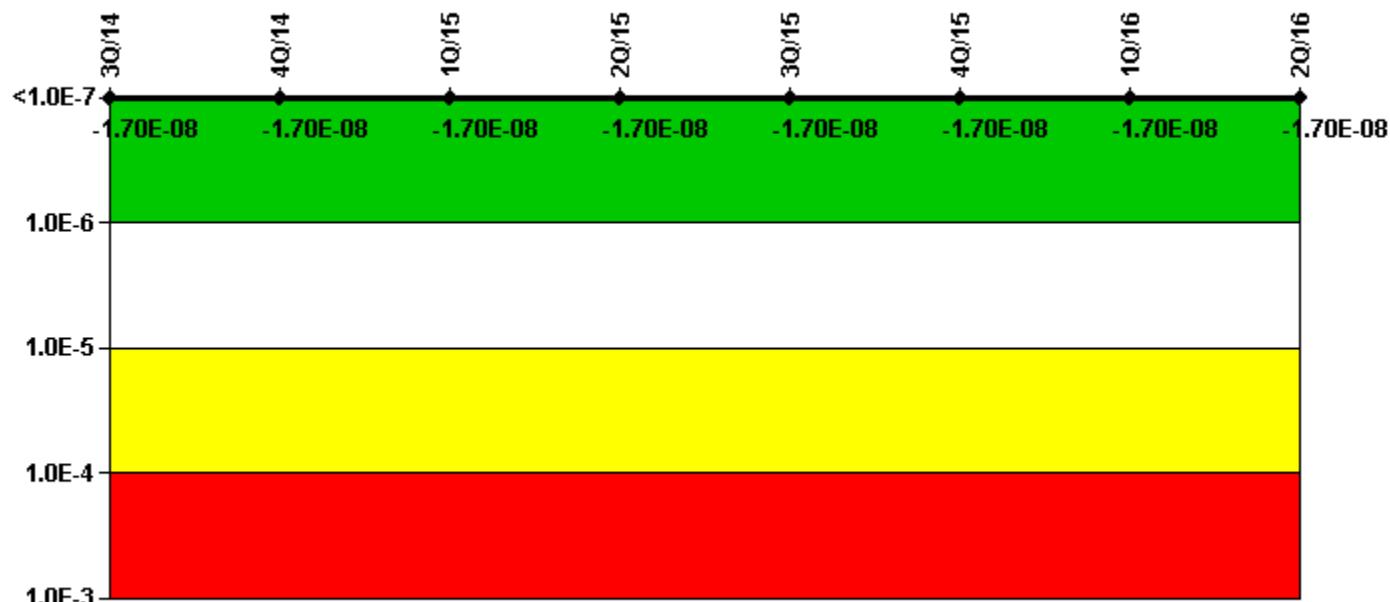
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	4.30E-08	4.30E-08	4.30E-08	4.30E-08	-2.14E-09	-2.03E-09	-2.22E-09	6.67E-10
URI (Δ CDF)	-4.44E-09	-4.44E-09	-4.44E-09	-4.44E-09	-1.78E-07	-1.78E-07	-1.78E-07	-1.78E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.90E-08	3.90E-08	3.90E-08	3.90E-08	-1.80E-07	-1.80E-07	-1.80E-07	-1.80E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



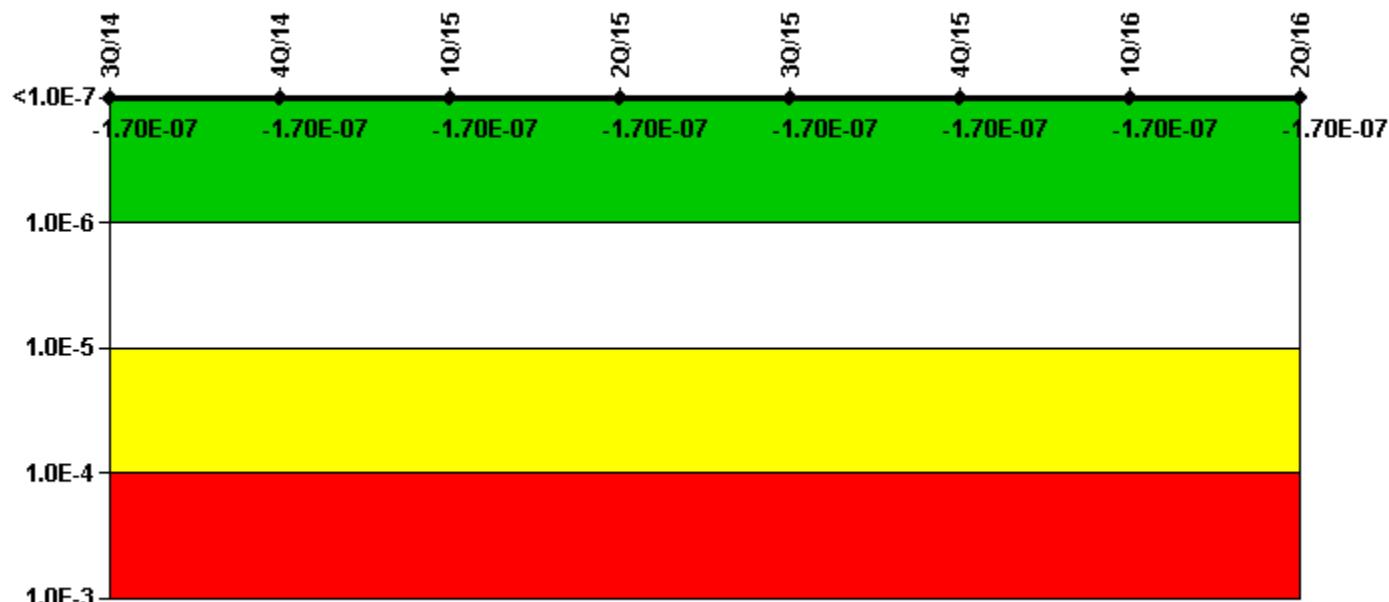
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	-2.41E-09							
URI (Δ CDF)	-1.43E-08							
PLE	NO							
Indicator value	-1.70E-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/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	-1.59E-08	-1.60E-08	-1.73E-08	-1.65E-08	-1.55E-08	-1.79E-08	-1.77E-08	-1.84E-08
URI (Δ CDF)	-1.56E-07							
PLE	NO							
Indicator value	-1.70E-07							

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



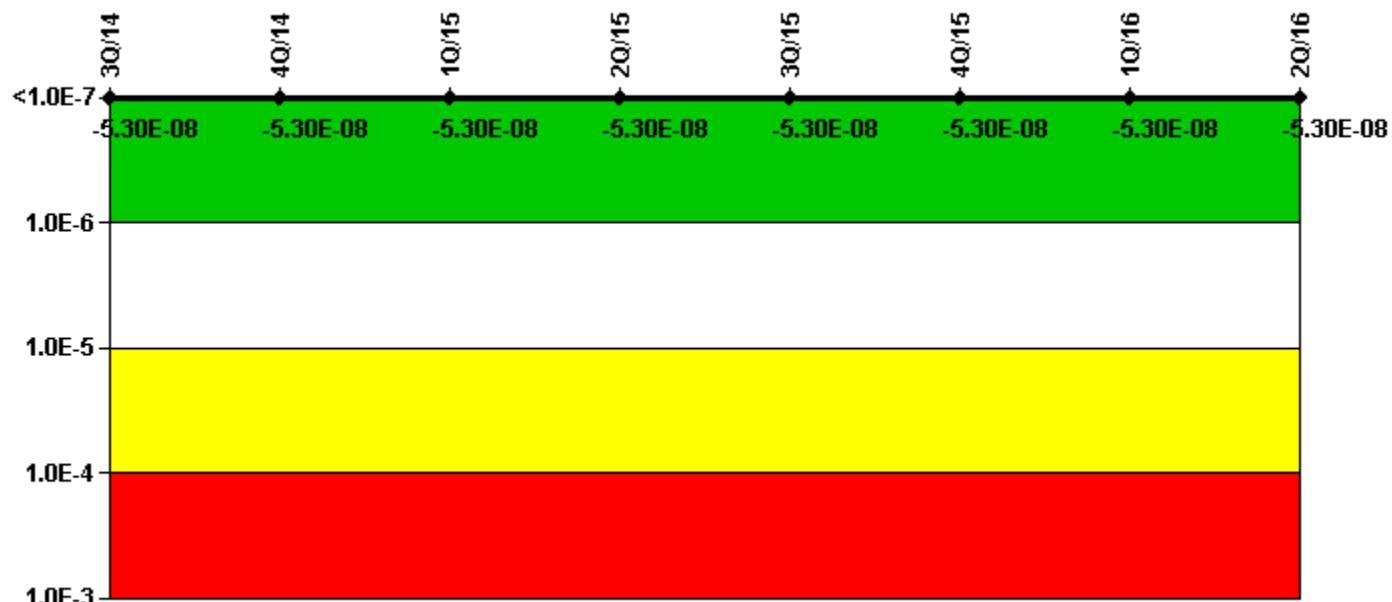
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09
URI (Δ CDF)	-6.37E-08	-6.37E-08	-6.37E-08	-6.37E-08	-6.37E-08	7.95E-08	7.95E-08	7.95E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.20E-08	-7.20E-08	-7.20E-08	-7.20E-08	-7.20E-08	7.20E-08	7.20E-08	7.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



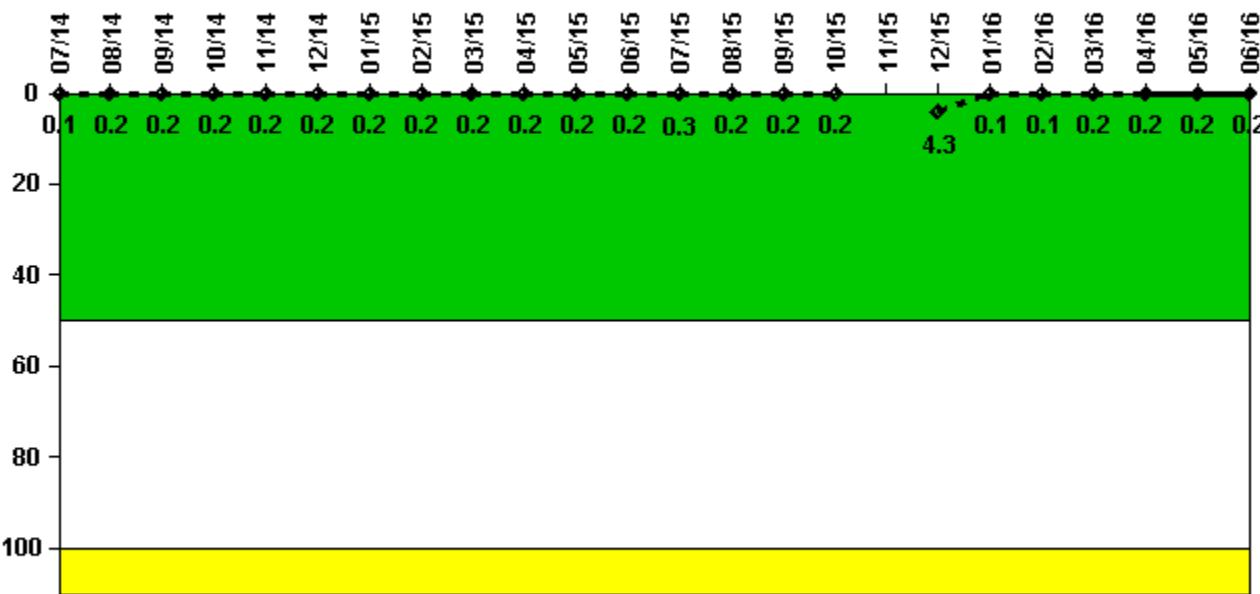
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	-6.95E-09							
URI (Δ CDF)	-4.57E-08							
PLE	NO							
Indicator value	-5.30E-08							

Licensee Comments: none

Reactor Coolant System Activity



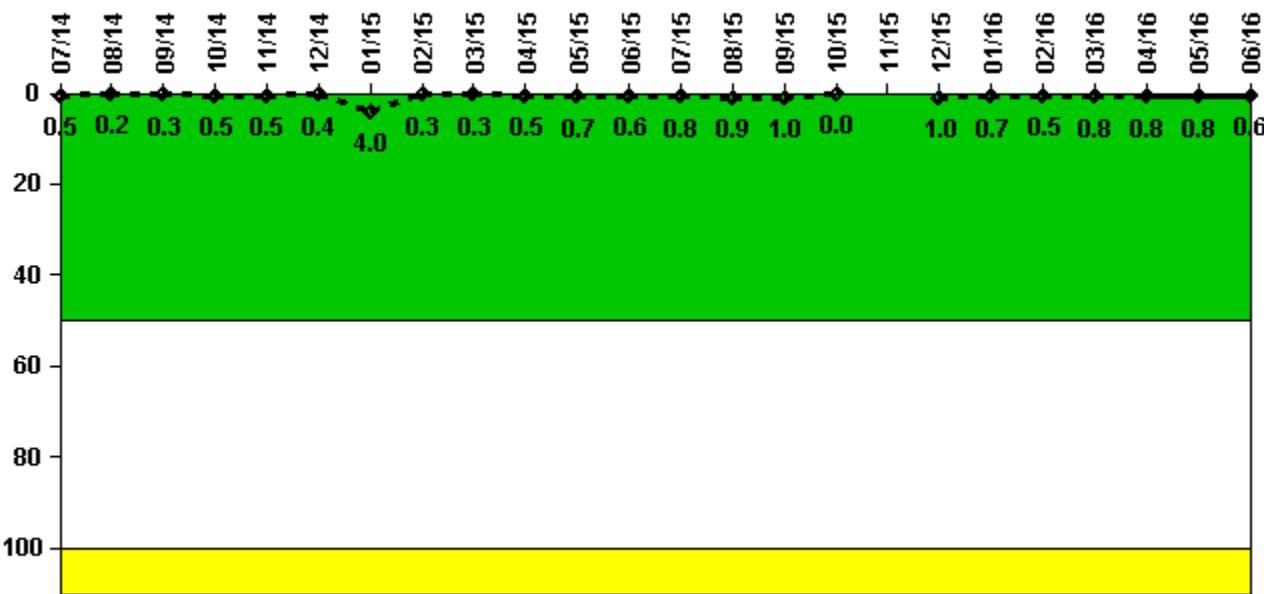
Thresholds: White > 50.0 Yellow > 100.0

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	0.000088	0.000099	0.000090	0.000093	0.000102	0.000102	0.000102	0.000102	0.000102	0.000110	0.000109	0.000113
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	0.000164	0.000122	0.000130	0.000104	N/A	0.002512	0.000083	0.000082	0.000147	0.000092	0.000089	0.000091
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.3	0.2	0.2	0.2	N/A	4.3	0.1	0.1	0.2	0.2	0.2	0.2

Licensee Comments: none

Reactor Coolant System Leakage



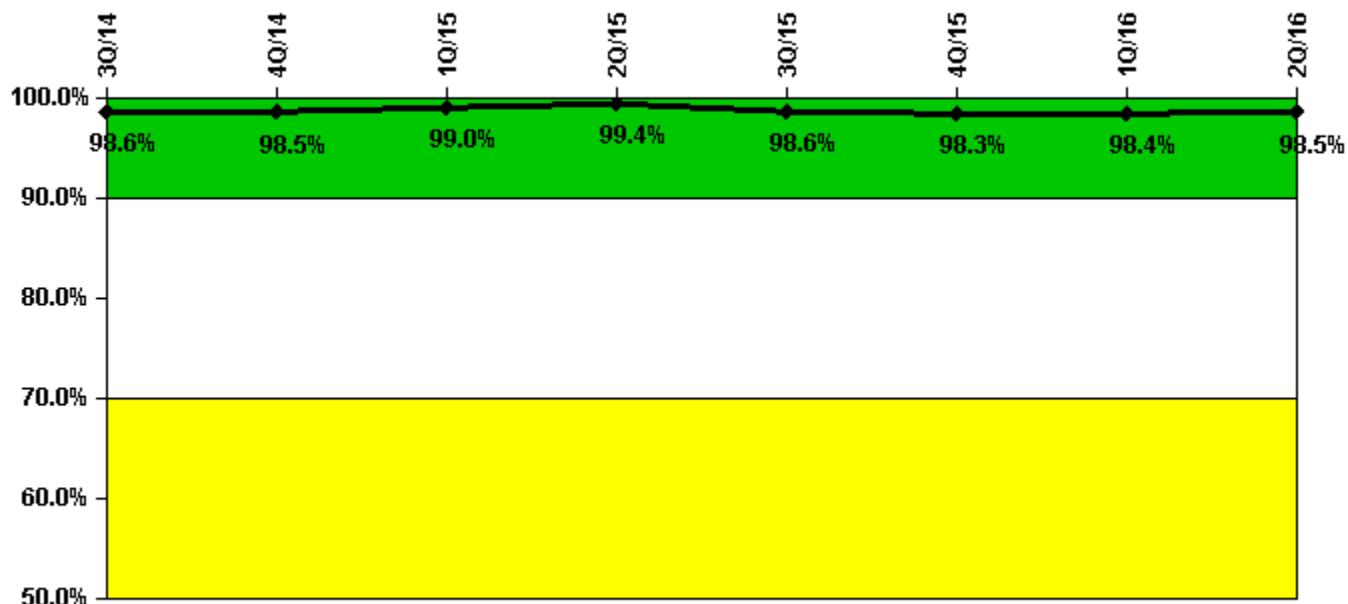
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum leakage	0.050	0.020	0.030	0.050	0.050	0.040	0.400	0.030	0.030	0.050	0.070	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.2	0.3	0.5	0.5	0.4	4.0	0.3	0.3	0.5	0.7	0.6
Reactor Coolant System Leakage	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum leakage	0.080	0.090	0.100	0	N/A	0.100	0.070	0.050	0.080	0.080	0.080	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.8	0.9	1.0	0	N/A	1.0	0.7	0.5	0.8	0.8	0.8	0.6

Licensee Comments: none

Drill/Exercise Performance



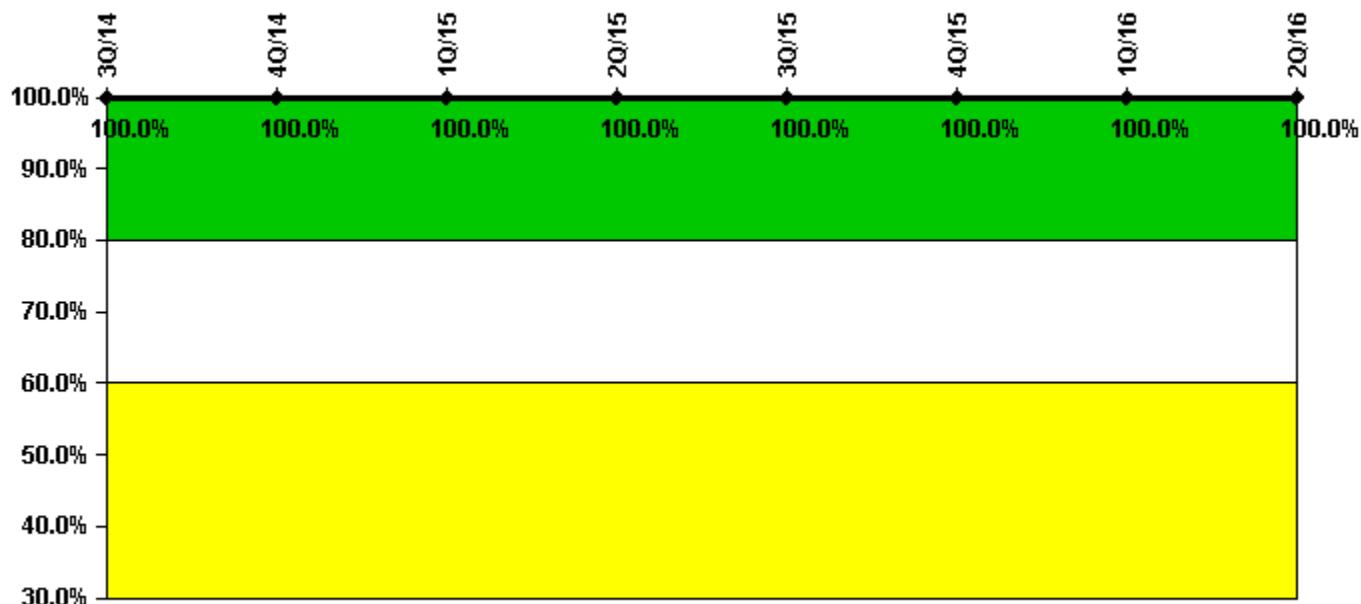
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful opportunities	71.0	53.0	36.0	20.0	69.0	0	43.0	30.0
Total opportunities	71.0	54.0	36.0	20.0	73.0	0	43.0	30.0
Indicator value	98.6%	98.5%	99.0%	99.4%	98.6%	98.3%	98.4%	98.5%

Licensee Comments: none

ERO Drill Participation



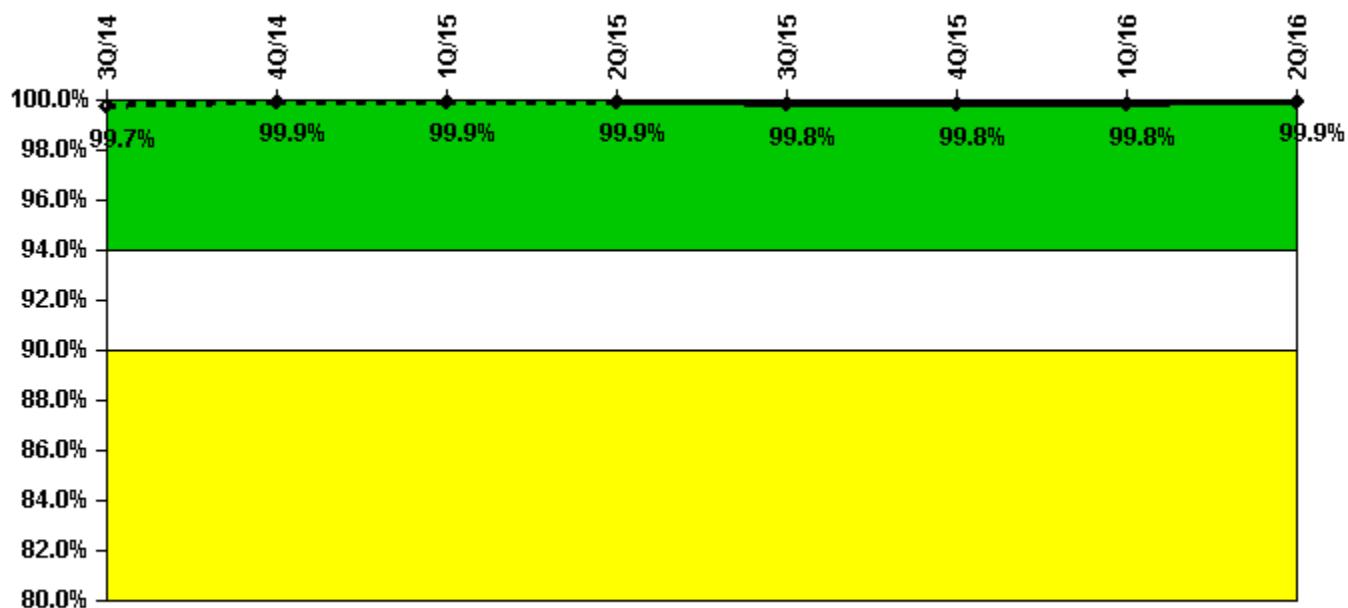
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Participating Key personnel	85.0	86.0	86.0	80.0	82.0	83.0	85.0	93.0
Total Key personnel	85.0	86.0	86.0	80.0	82.0	83.0	85.0	93.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



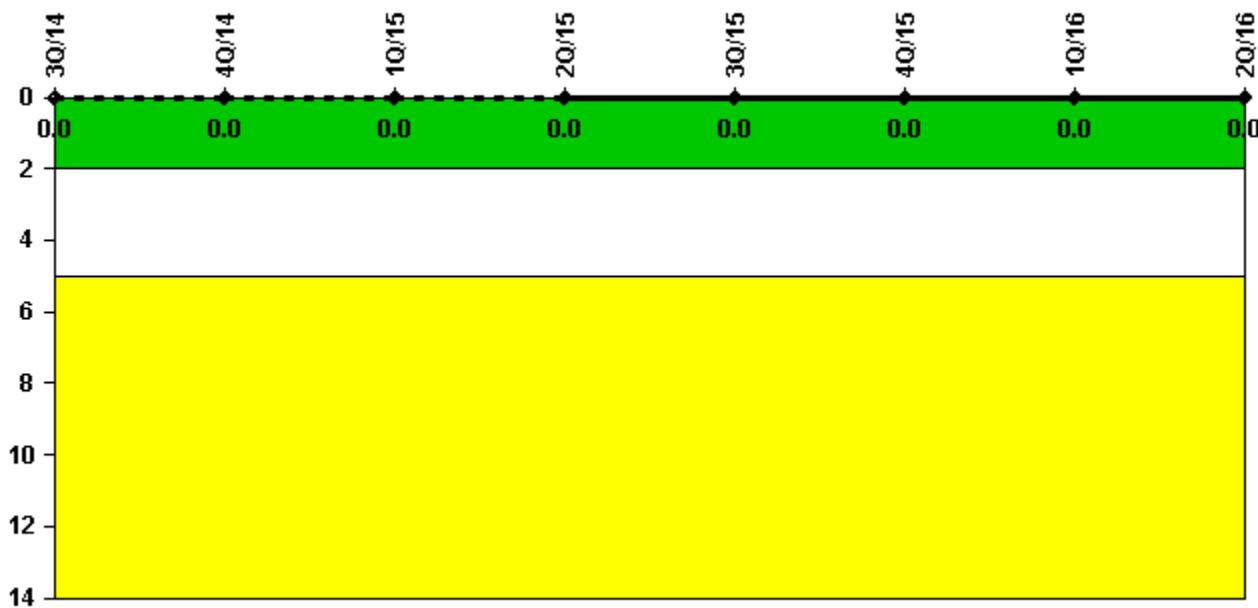
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful siren-tests	742	848	742	740	845	862	763	872
Total sirens-tests	742	848	742	742	848	863	763	872
Indicator value	99.7%	99.9%	99.9%	99.9%	99.8%	99.8%	99.8%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness

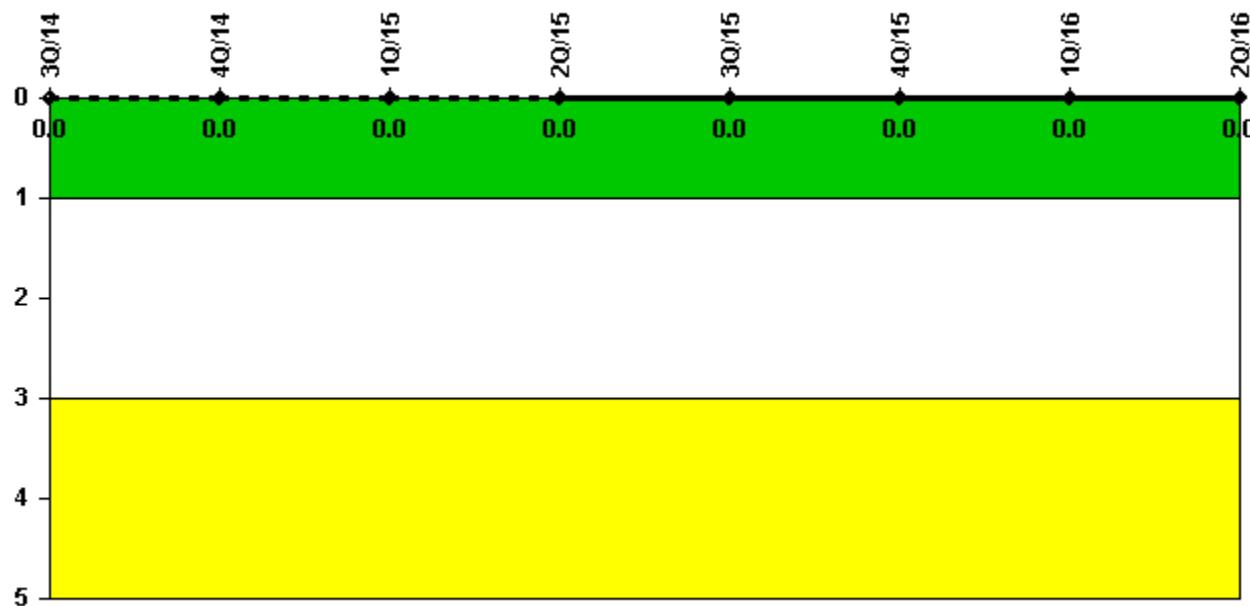


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0							

Licensee Comments: none

RETS/ODCM Radiological Effluent

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							

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

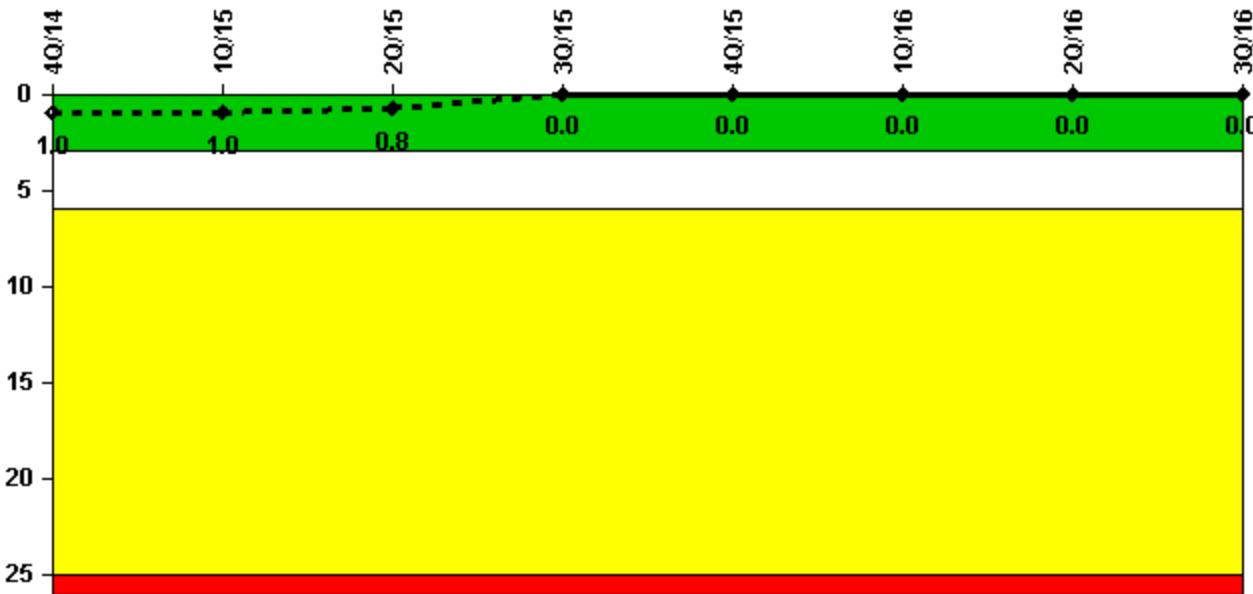
Summer

3Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



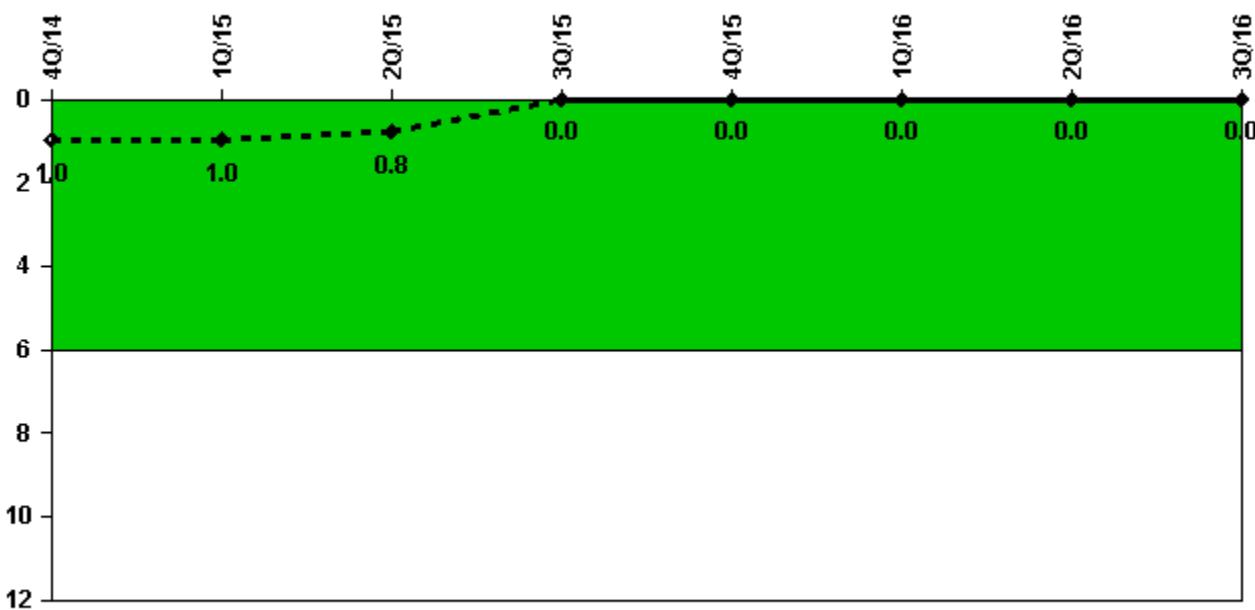
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	786.4	2183.0	2184.0	2208.0
Indicator value	1.0	1.0	0.8	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



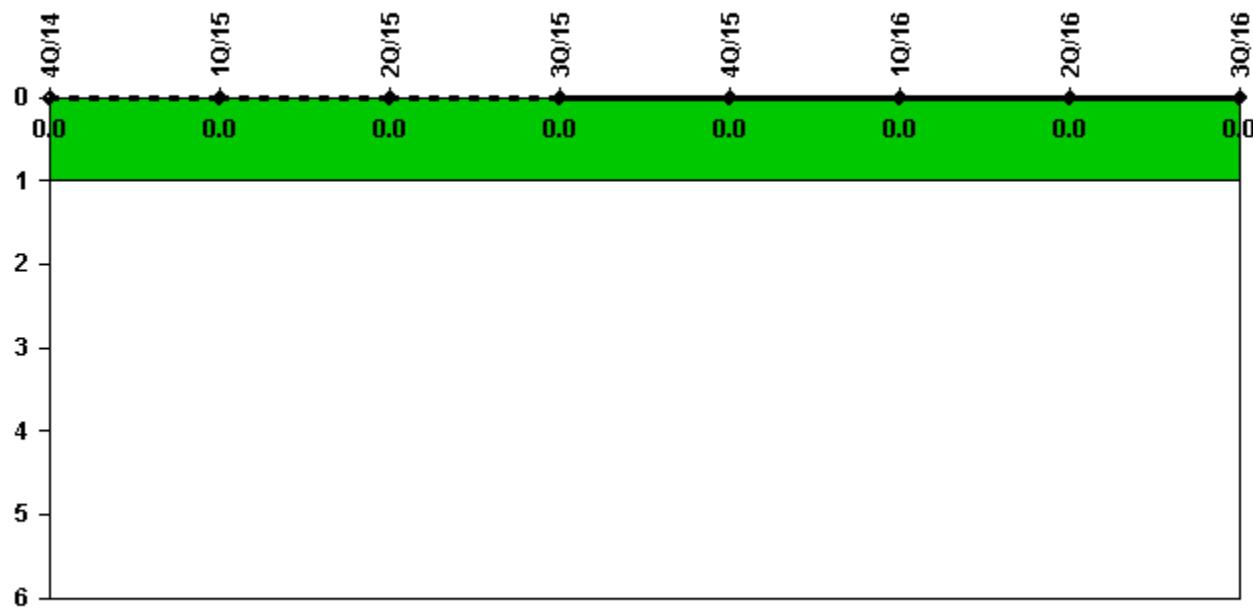
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	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	0
Critical hours	2209.0	2159.0	2184.0	2208.0	786.4	2183.0	2184.0	2208.0
Indicator value	1.0	1.0	0.8	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



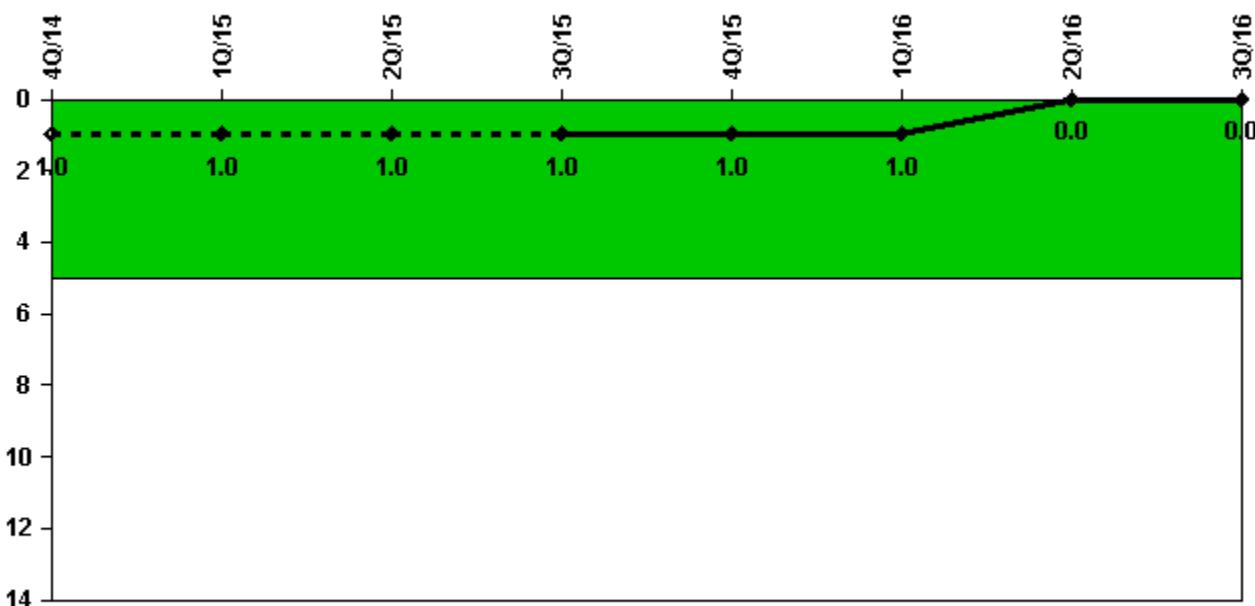
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0							

Licensee Comments: none

Safety System Functional Failures (PWR)



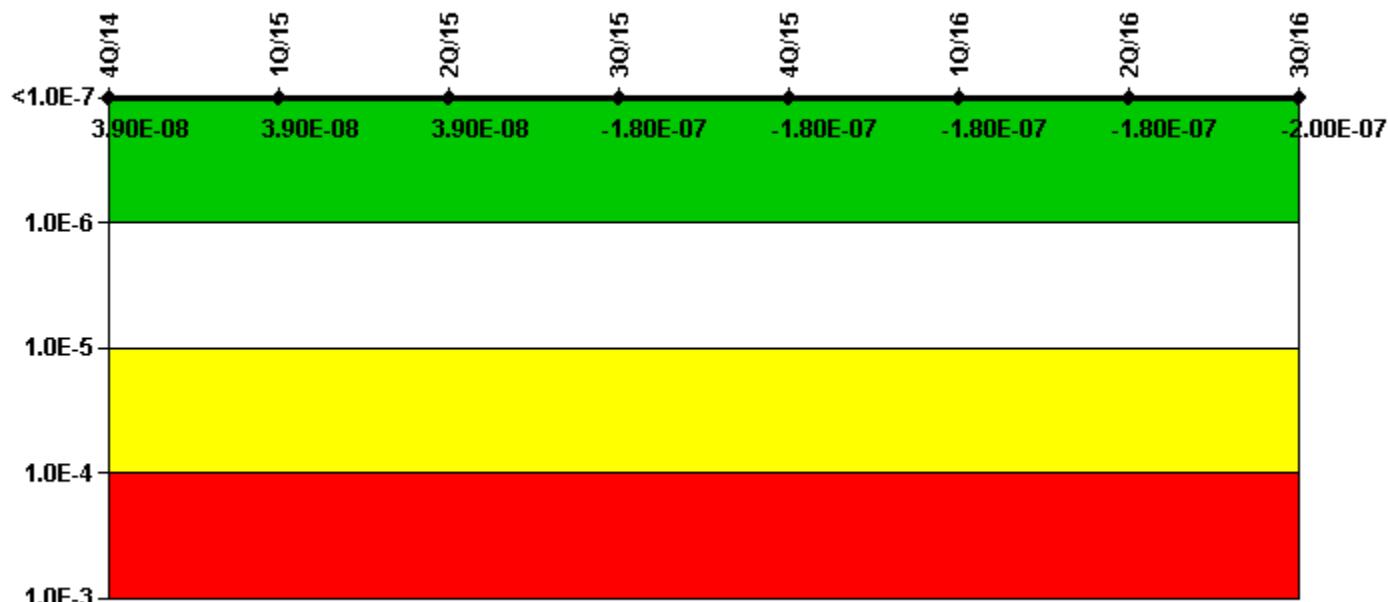
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Safety System Functional Failures	0	0	1	0	0	0	0	0
Indicator value	1	1	1	1	1	1	0	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



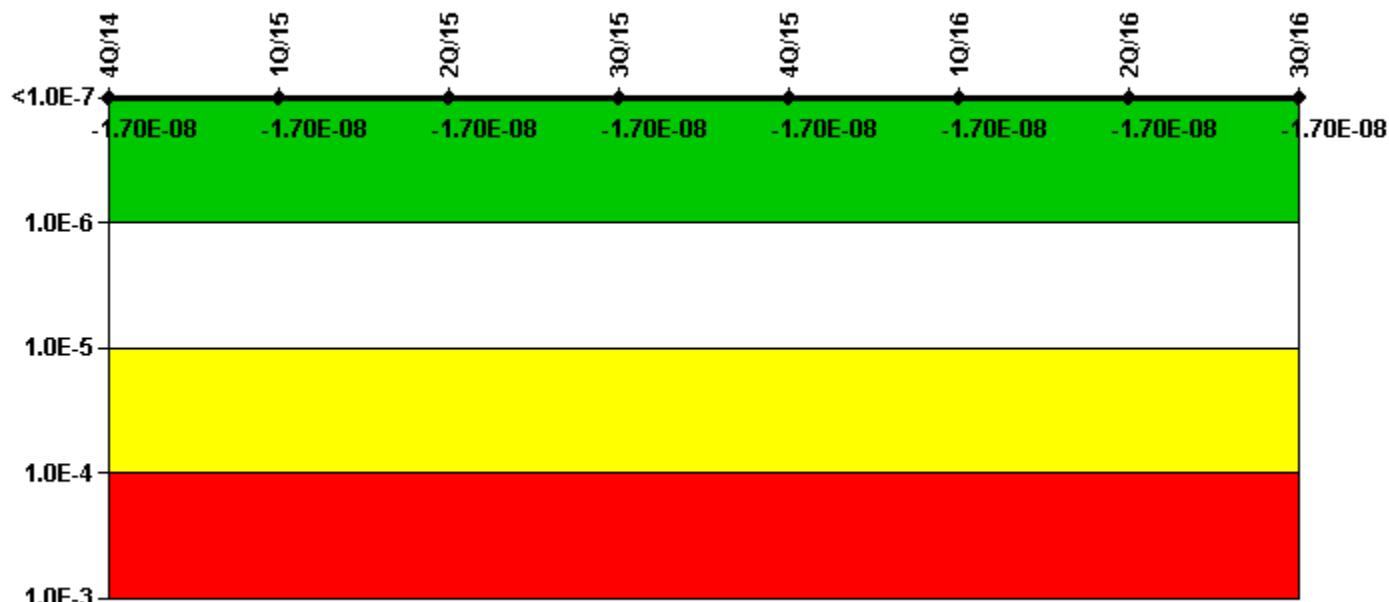
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (Δ CDF)	4.30E-08	4.30E-08	4.30E-08	-2.14E-09	-2.03E-09	-2.22E-09	6.67E-10	-1.75E-08
URI (Δ CDF)	-4.44E-09	-4.44E-09	-4.44E-09	-1.78E-07	-1.78E-07	-1.78E-07	-1.78E-07	-1.78E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.90E-08	3.90E-08	3.90E-08	-1.80E-07	-1.80E-07	-1.80E-07	-1.80E-07	-2.00E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (Δ CDF)	-2.41E-09							
URI (Δ CDF)	-1.43E-08							
PLE	NO							
Indicator value	-1.70E-08							

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



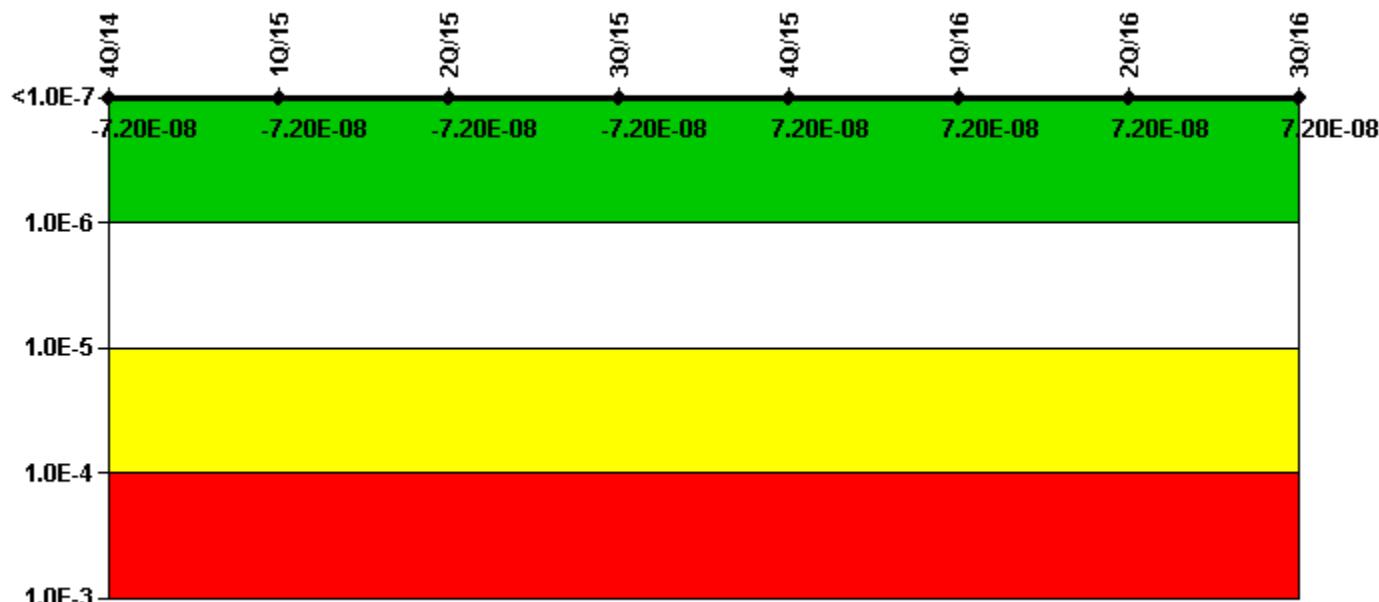
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (Δ CDF)	-1.60E-08	-1.73E-08	-1.65E-08	-1.55E-08	-1.79E-08	-1.77E-08	-1.84E-08	-1.85E-08
URI (Δ CDF)	-1.56E-07							
PLE	NO							
Indicator value	-1.70E-07							

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



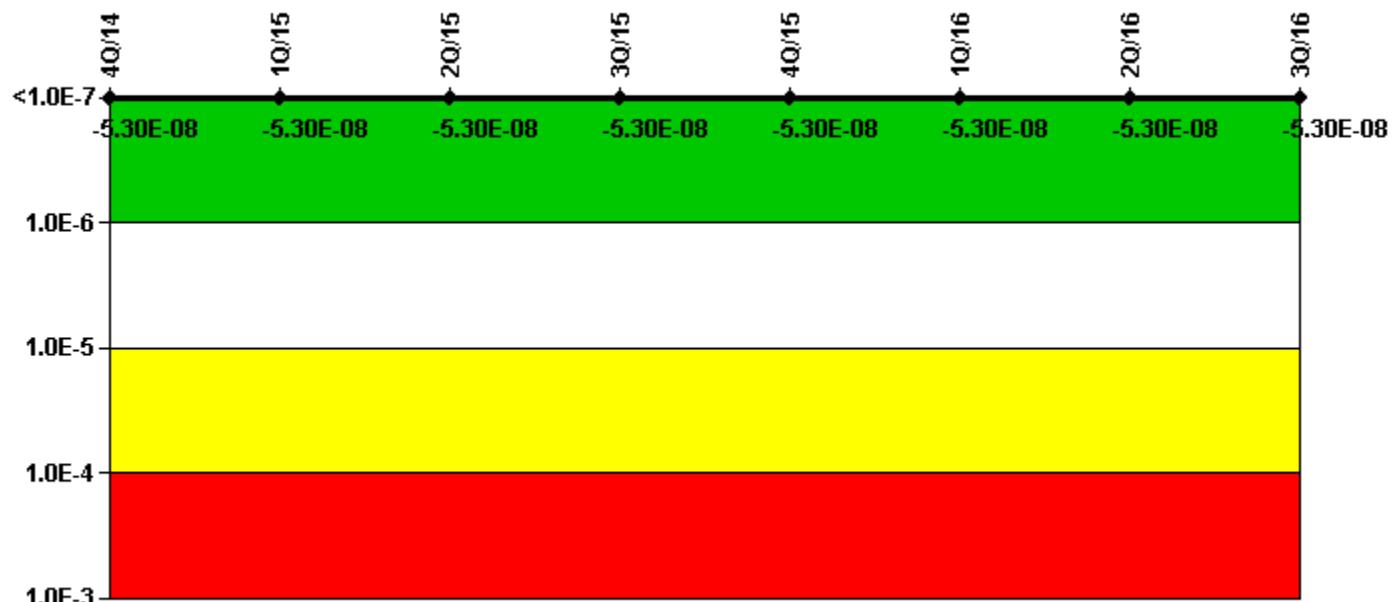
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (Δ CDF)	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09
URI (Δ CDF)	-6.37E-08	-6.37E-08	-6.37E-08	-6.37E-08	7.95E-08	7.95E-08	7.95E-08	7.95E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.20E-08	-7.20E-08	-7.20E-08	-7.20E-08	7.20E-08	7.20E-08	7.20E-08	7.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



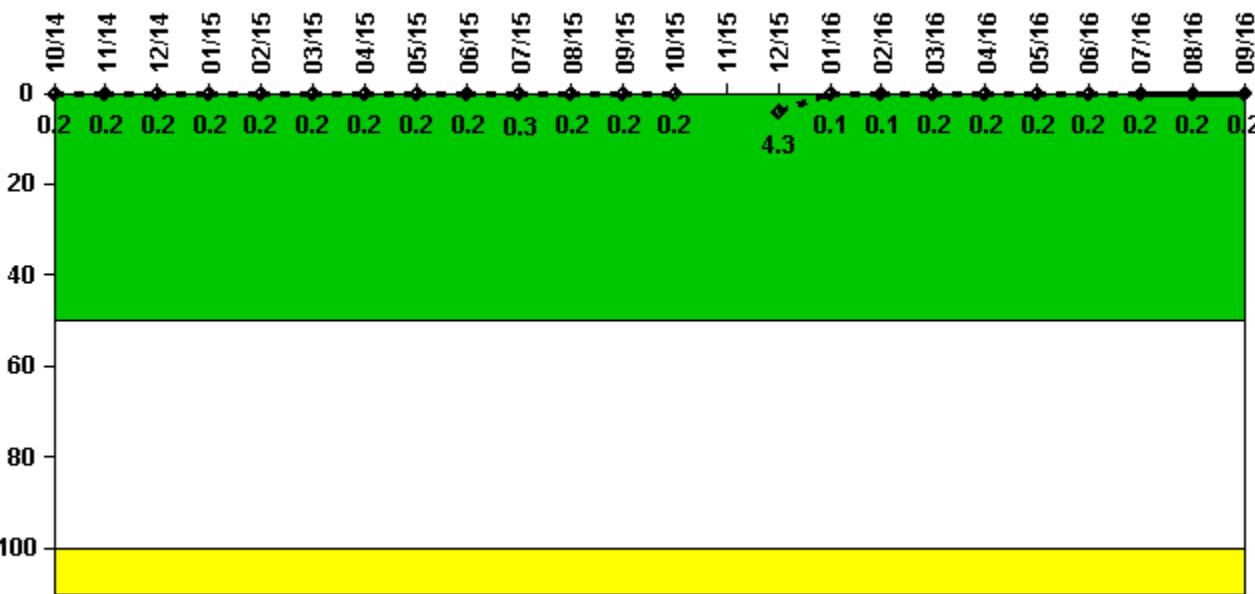
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
UAI (Δ CDF)	-6.95E-09							
URI (Δ CDF)	-4.57E-08							
PLE	NO							
Indicator value	-5.30E-08							

Licensee Comments: none

Reactor Coolant System Activity



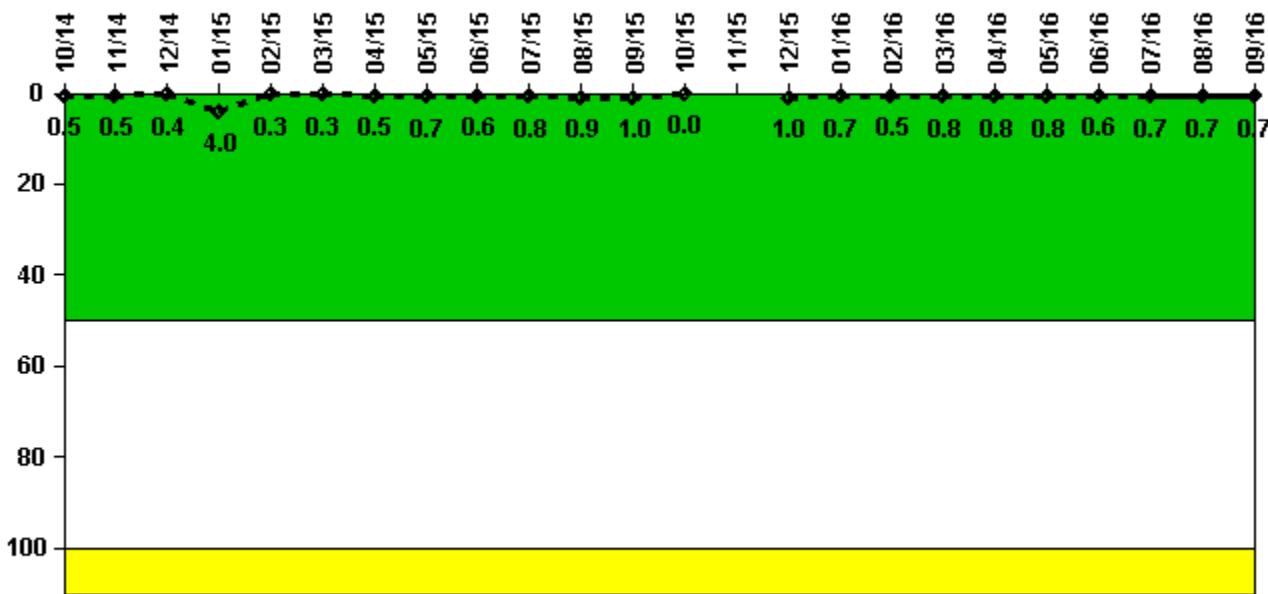
Thresholds: White > 50.0 Yellow > 100.0

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	0.000093	0.000102	0.000102	0.000102	0.000102	0.000102	0.000110	0.000109	0.000113	0.000164	0.000122	0.000130
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
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	0.000104	N/A	0.002512	0.000083	0.000082	0.000147	0.000092	0.000089	0.000091	0.000103	0.000101	0.000102
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	N/A	4.3	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Licensee Comments: none

Reactor Coolant System Leakage



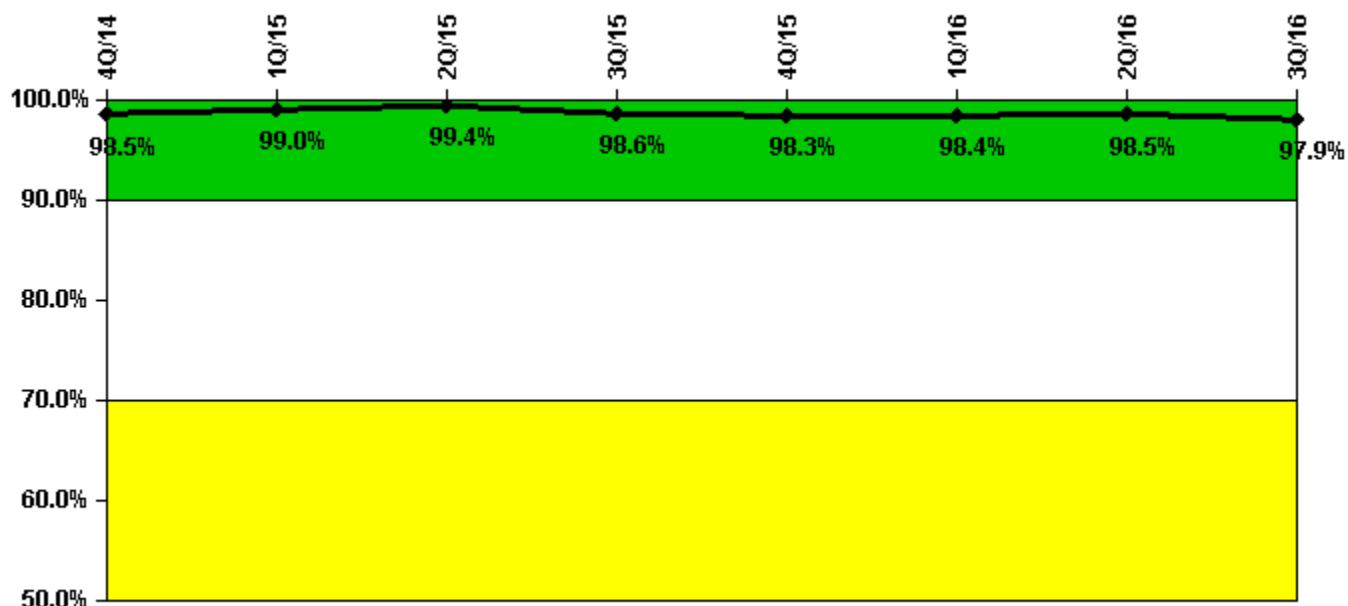
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum leakage	0.050	0.050	0.040	0.400	0.030	0.030	0.050	0.070	0.060	0.080	0.090	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.5	0.4	4.0	0.3	0.3	0.5	0.7	0.6	0.8	0.9	1.0

Reactor Coolant System Leakage	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum leakage	0	N/A	0.100	0.070	0.050	0.080	0.080	0.080	0.060	0.070	0.070	0.070
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0	N/A	1.0	0.7	0.5	0.8	0.8	0.8	0.6	0.7	0.7	0.7

Licensee Comments: none

Drill/Exercise Performance

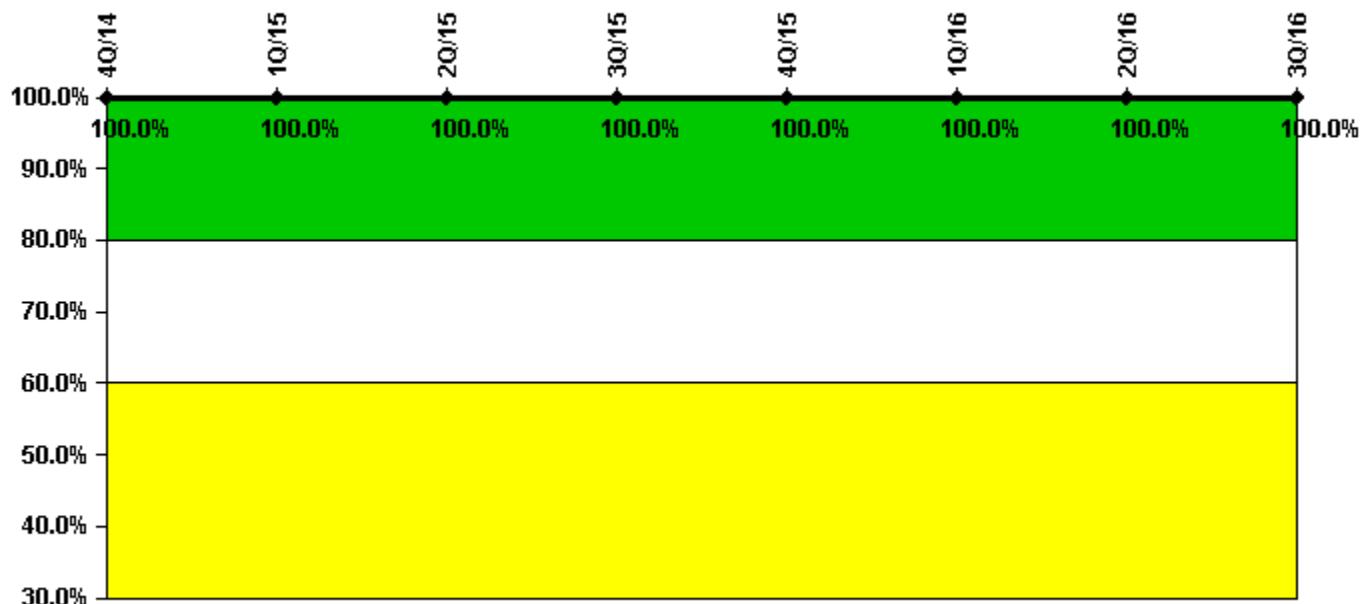
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful opportunities	53.0	36.0	20.0	69.0	0	43.0	30.0	82.0
Total opportunities	54.0	36.0	20.0	73.0	0	43.0	30.0	84.0
Indicator value	98.5%	99.0%	99.4%	98.6%	98.3%	98.4%	98.5%	97.9%

Licensee Comments: none

ERO Drill Participation



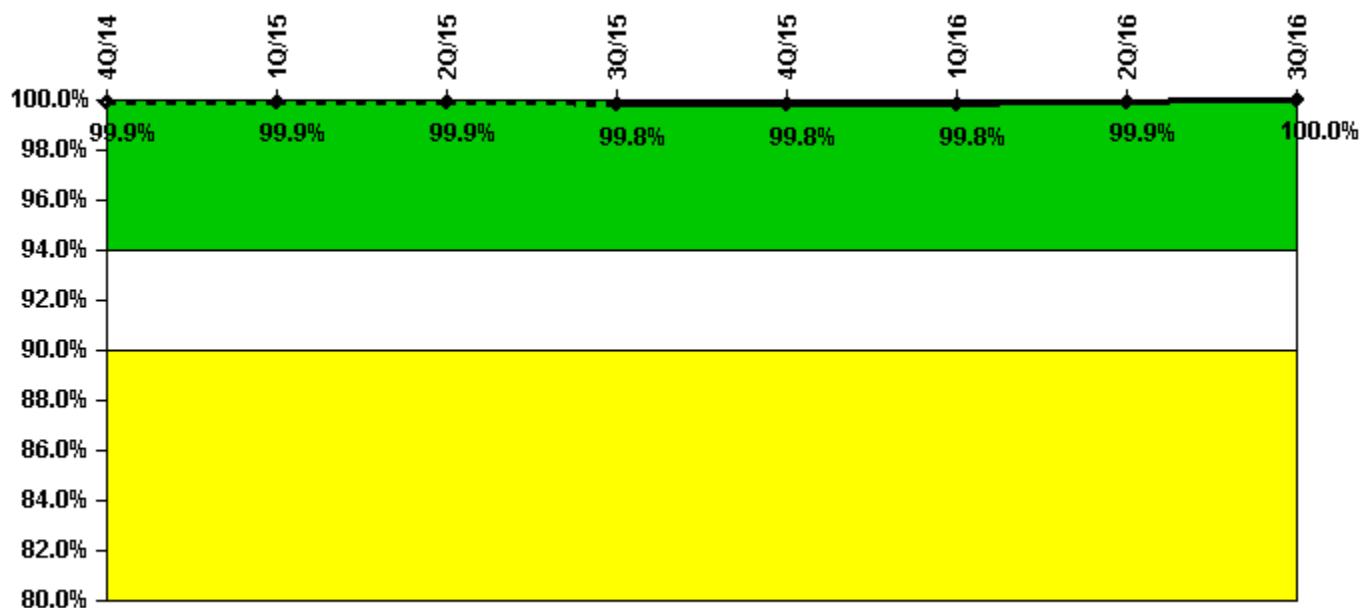
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Participating Key personnel	86.0	86.0	80.0	82.0	83.0	85.0	93.0	94.0
Total Key personnel	86.0	86.0	80.0	82.0	83.0	85.0	93.0	94.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



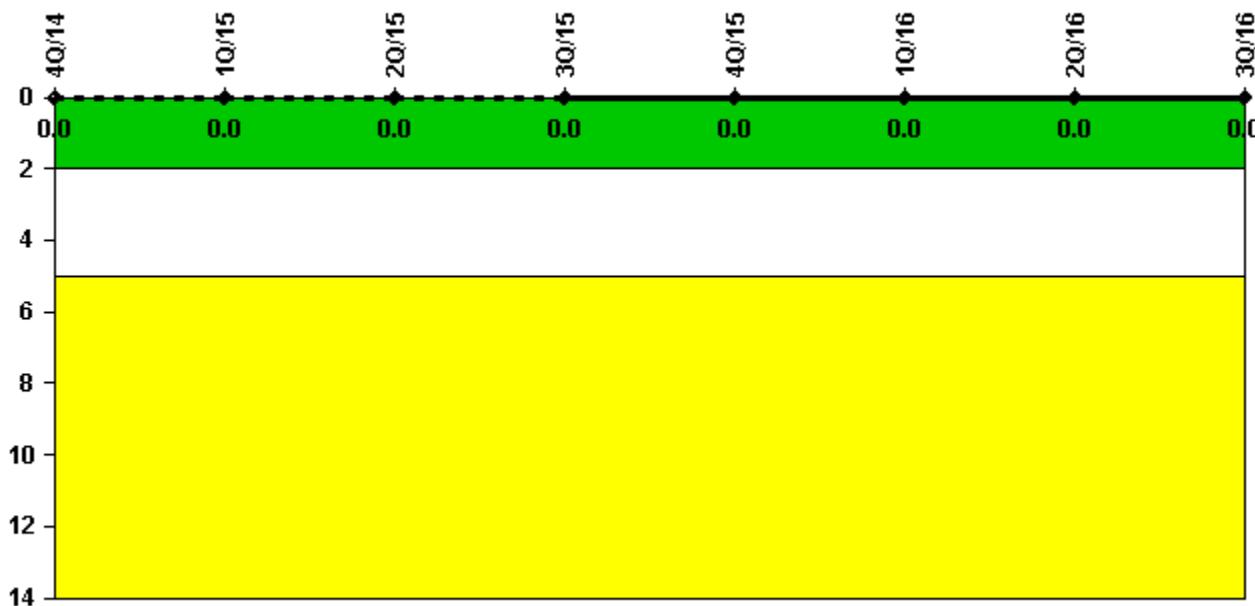
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful siren-tests	848	742	740	845	862	763	872	763
Total sirens-tests	848	742	742	848	863	763	872	763
Indicator value	99.9%	99.9%	99.9%	99.8%	99.8%	99.8%	99.9%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



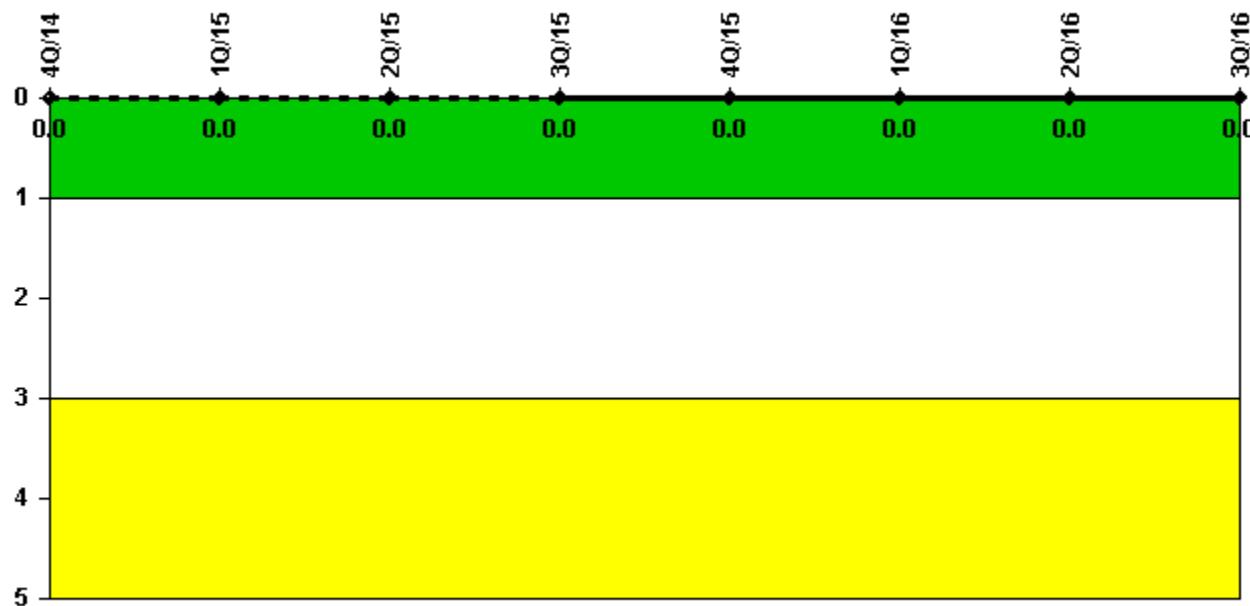
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0							

Licensee Comments: none

RETS/ODCM Radiological Effluent



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							

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

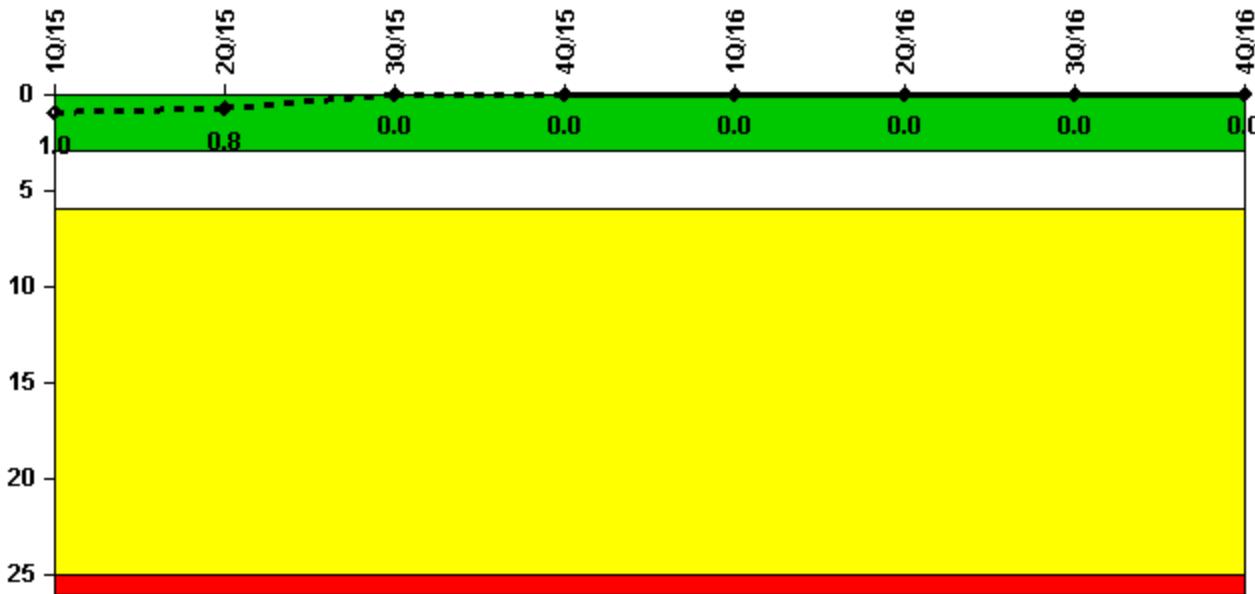
Summer

4Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



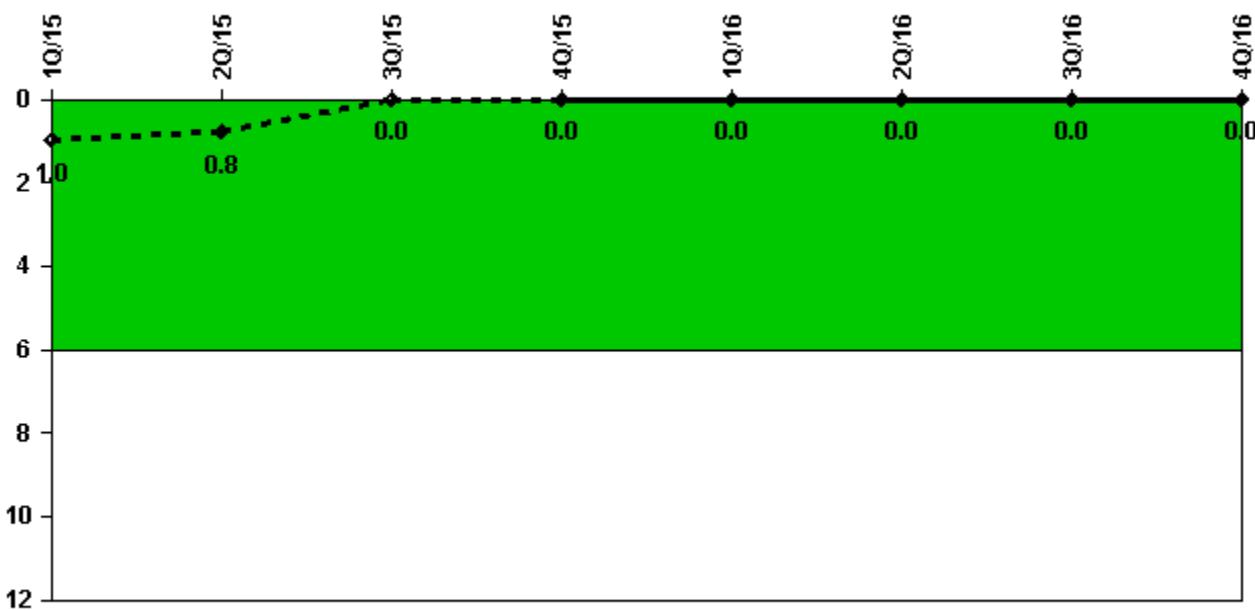
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	786.4	2183.0	2184.0	2208.0	2209.0
Indicator value	1.0	0.8	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



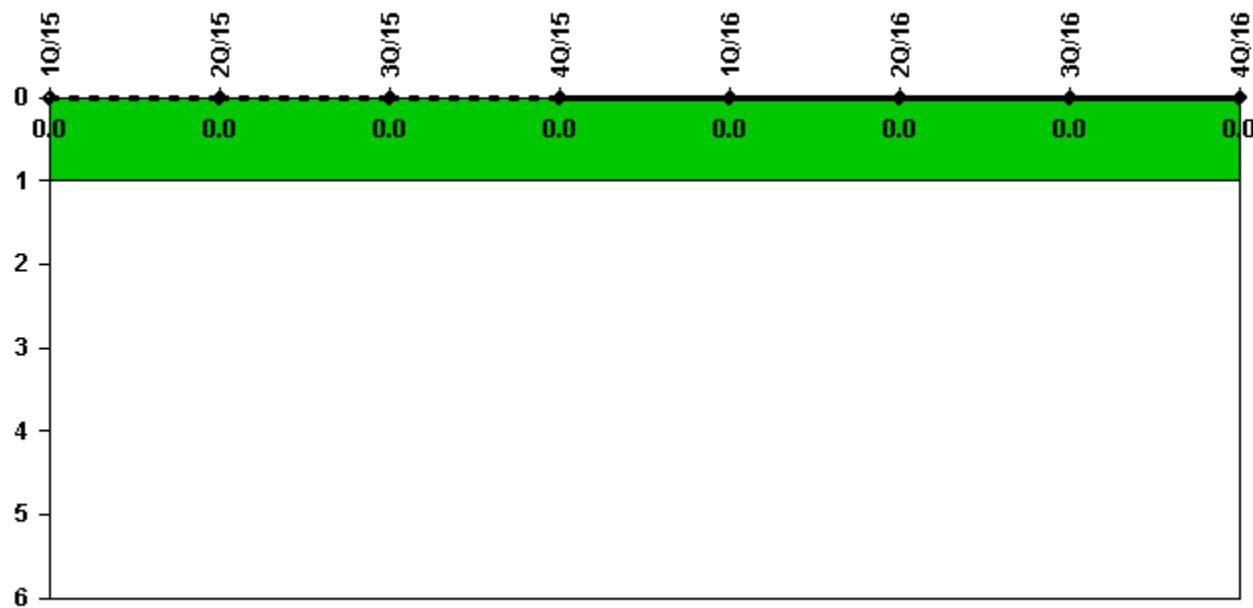
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	786.4	2183.0	2184.0	2208.0	2209.0
Indicator value	1.0	0.8	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



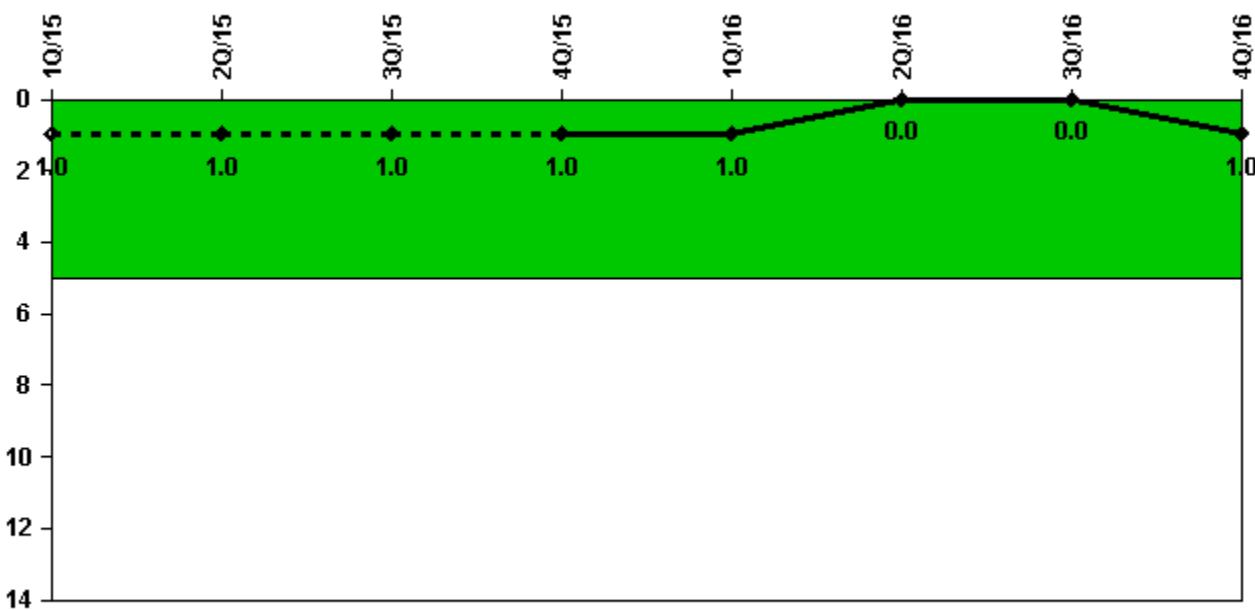
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0							

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

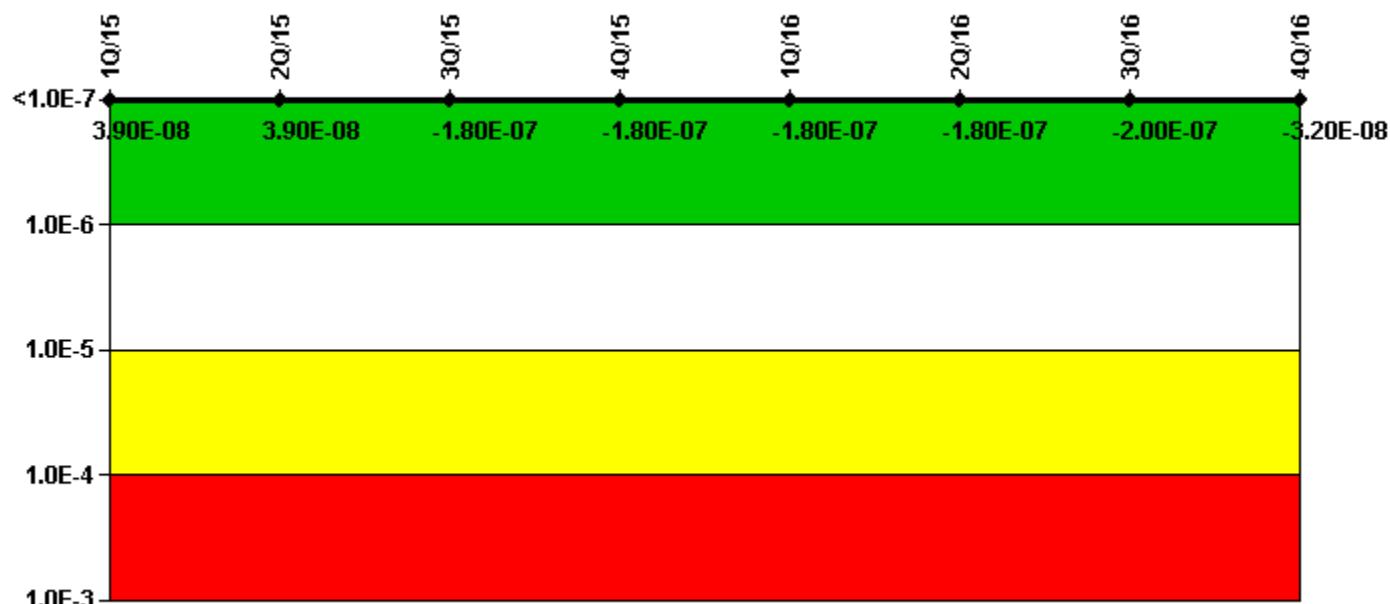
Notes

Safety System Functional Failures (PWR)	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Safety System Functional Failures	0	1	0	0	0	0	0	1
Indicator value	1	1	1	1	1	0	0	1

Licensee Comments:

4Q/16: LER 2016-003, Steam Propagation Door Discovered Propped Open.

Mitigating Systems Performance Index, Emergency AC Power System



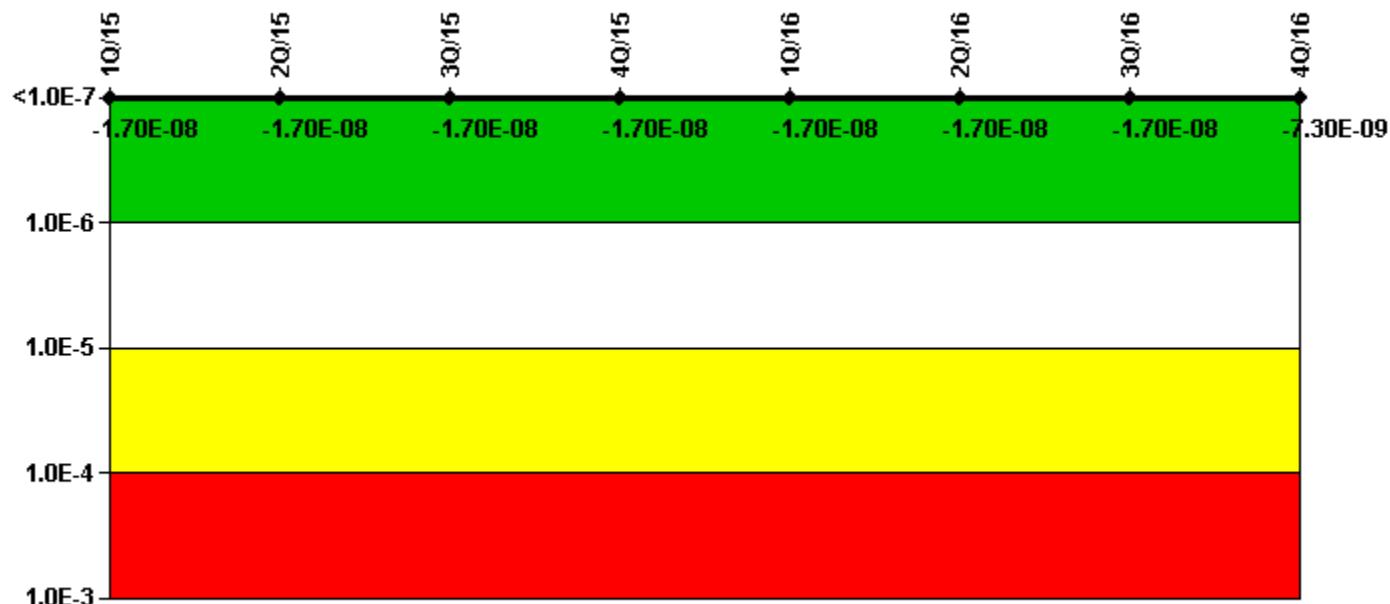
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF)	4.30E-08	4.30E-08	-2.14E-09	-2.03E-09	-2.22E-09	6.67E-10	-1.75E-08	-2.76E-09
URI (Δ CDF)	-4.44E-09	-4.44E-09	-1.78E-07	-1.78E-07	-1.78E-07	-1.78E-07	-1.78E-07	-2.93E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.90E-08	3.90E-08	-1.80E-07	-1.80E-07	-1.80E-07	-1.80E-07	-2.00E-07	-3.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (Δ CDF)	-2.41E-09	-1.38E-09						
URI (Δ CDF)	-1.43E-08	-5.97E-09						
PLE	NO							
Indicator value	-1.70E-08	-7.30E-09						

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



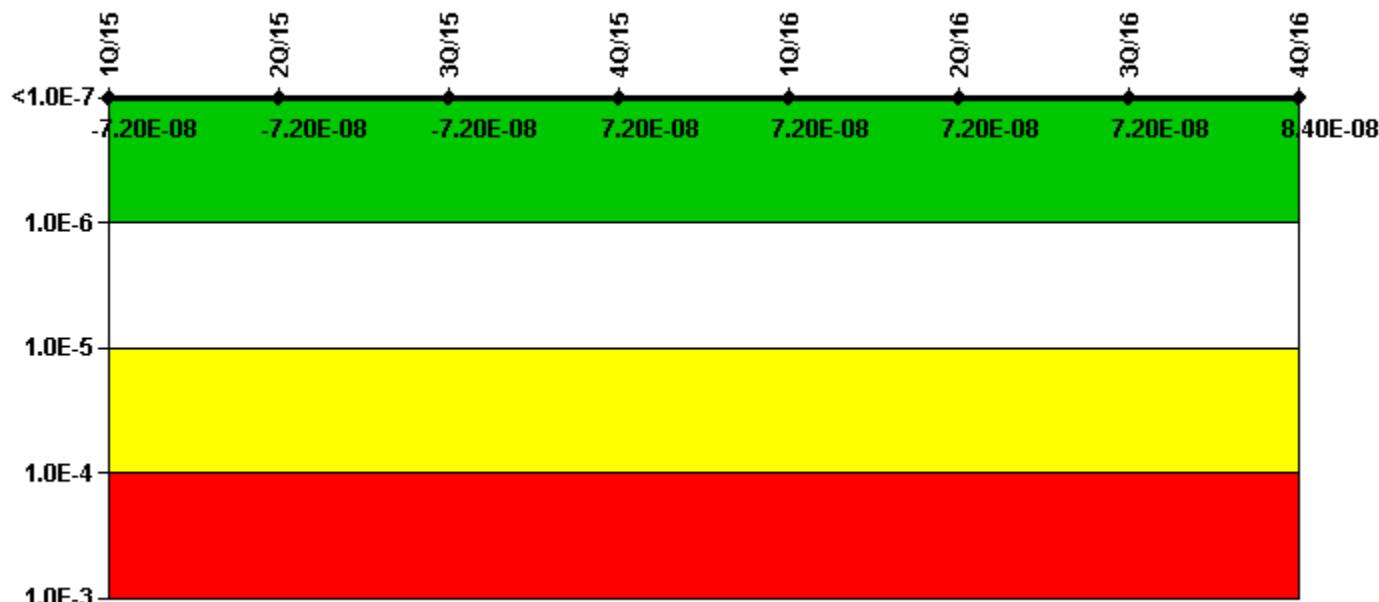
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (Δ CDF)	-1.73E-08	-1.65E-08	-1.55E-08	-1.79E-08	-1.77E-08	-1.84E-08	-1.85E-08	-1.64E-08
URI (Δ CDF)	-1.56E-07	-1.30E-07						
PLE	NO							
Indicator value	-1.70E-07	-1.50E-07						

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



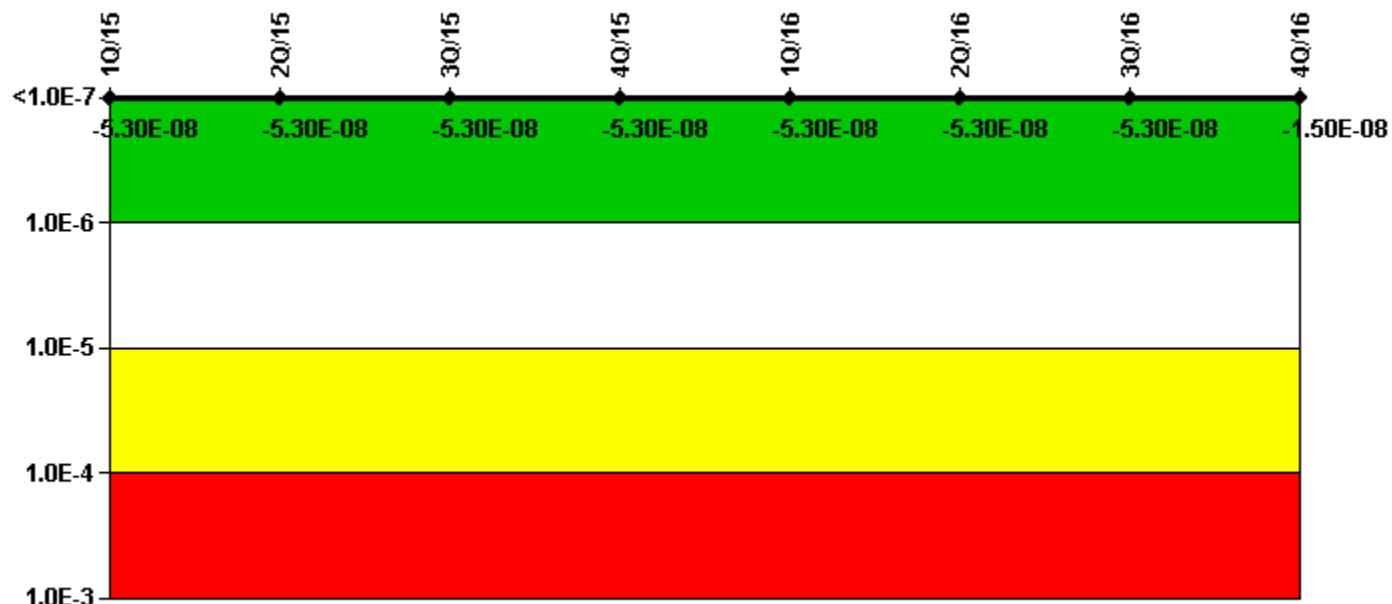
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (Δ CDF)	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-5.63E-09
URI (Δ CDF)	-6.37E-08	-6.37E-08	-6.37E-08	7.95E-08	7.95E-08	7.95E-08	7.95E-08	9.01E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.20E-08	-7.20E-08	-7.20E-08	7.20E-08	7.20E-08	7.20E-08	7.20E-08	8.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



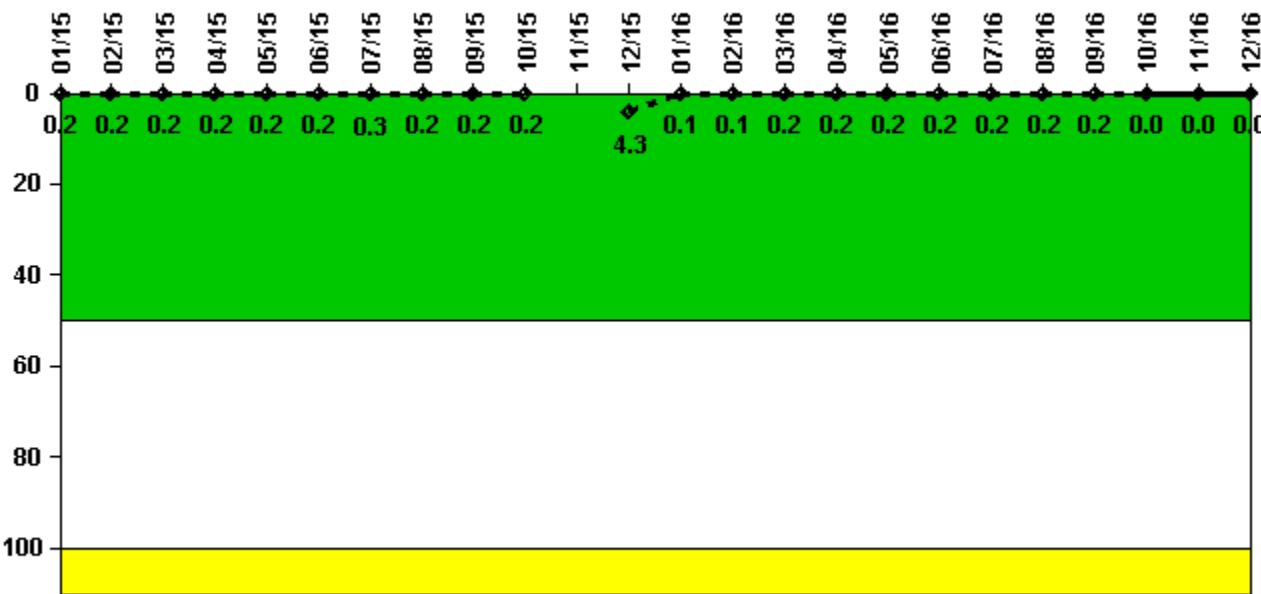
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
UAI (Δ CDF)	-6.95E-09	-2.34E-09						
URI (Δ CDF)	-4.57E-08	-1.28E-08						
PLE	NO							
Indicator value	-5.30E-08	-1.50E-08						

Licensee Comments: none

Reactor Coolant System Activity



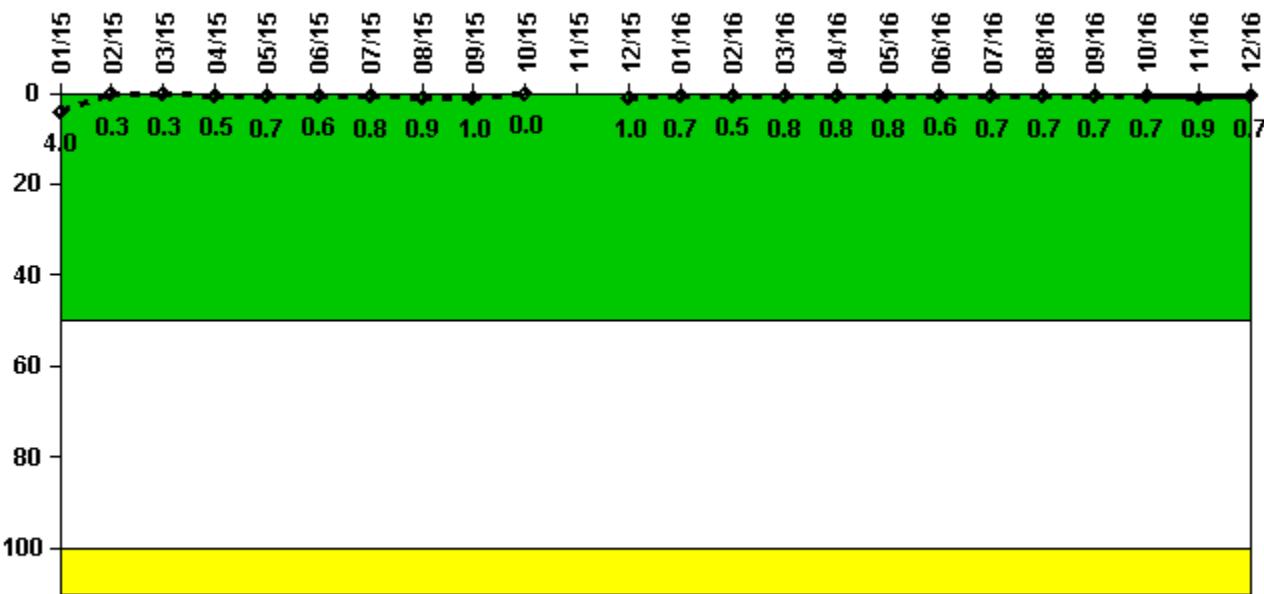
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15
Maximum activity	0.000102	0.000102	0.000102	0.000110	0.000109	0.000113	0.000164	0.000122	0.000130	0.000104	N/A	0.002512
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	N/A	4.3
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	0.000083	0.000082	0.000147	0.000092	0.000089	0.000091	0.000103	0.000101	0.000102	0.000105	0.000106	0.000102
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.0	1.0	1.0
Indicator value	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



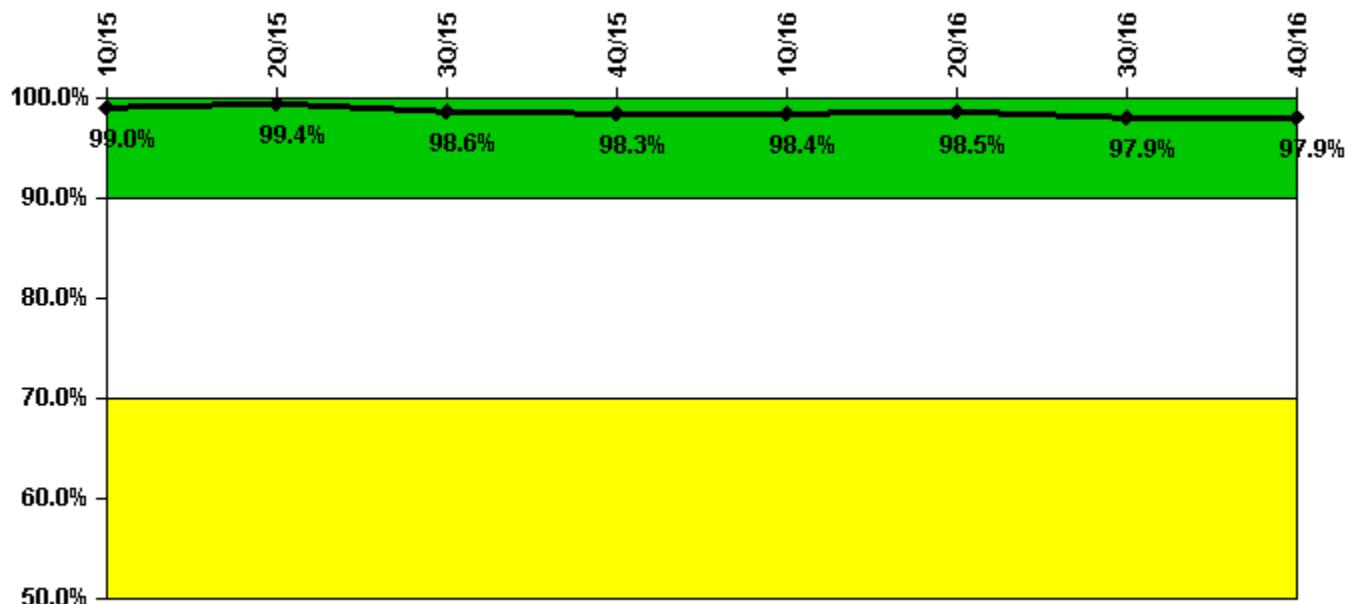
Thresholds: White > 50.0 Yellow > 100.0

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	0.400	0.030	0.030	0.050	0.070	0.060	0.080	0.090	0.100	0	N/A	0.100
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	4.0	0.3	0.3	0.5	0.7	0.6	0.8	0.9	1.0	0	N/A	1.0
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	0.070	0.050	0.080	0.080	0.080	0.060	0.070	0.070	0.070	0.070	0.090	0.070
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.7	0.5	0.8	0.8	0.8	0.6	0.7	0.7	0.7	0.7	0.9	0.7

Licensee Comments: none

Drill/Exercise Performance



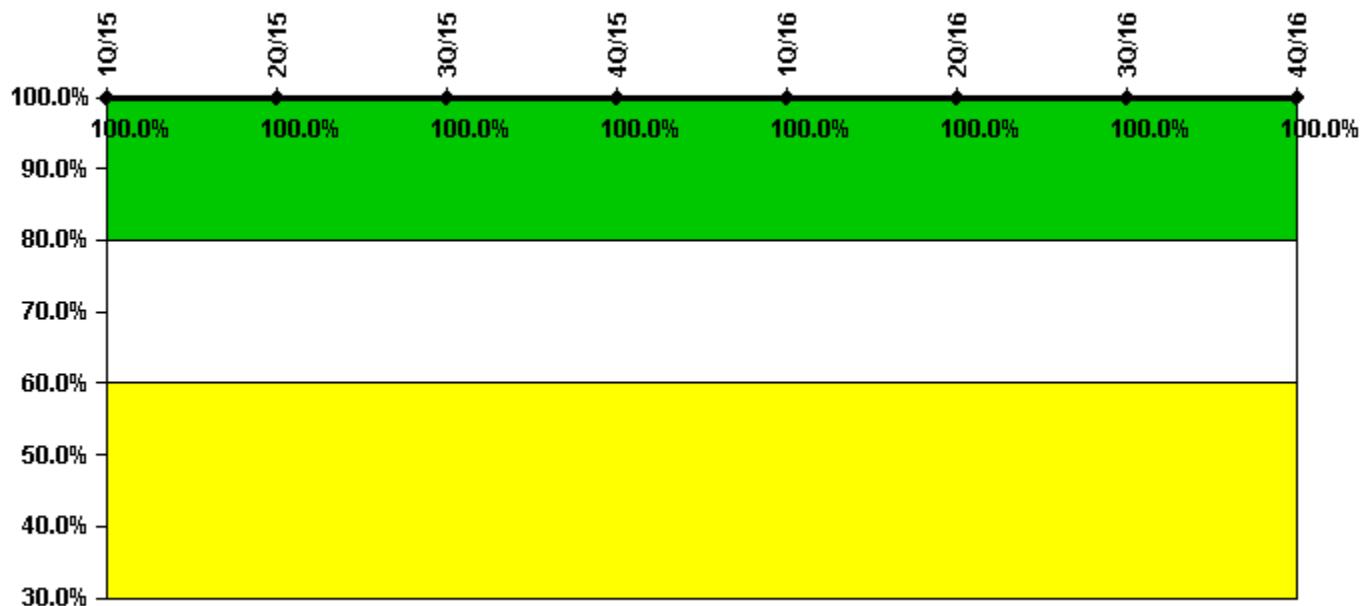
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful opportunities	36.0	20.0	69.0	0	43.0	30.0	82.0	39.0
Total opportunities	36.0	20.0	73.0	0	43.0	30.0	84.0	40.0
Indicator value	99.0%	99.4%	98.6%	98.3%	98.4%	98.5%	97.9%	97.9%

Licensee Comments: none

ERO Drill Participation



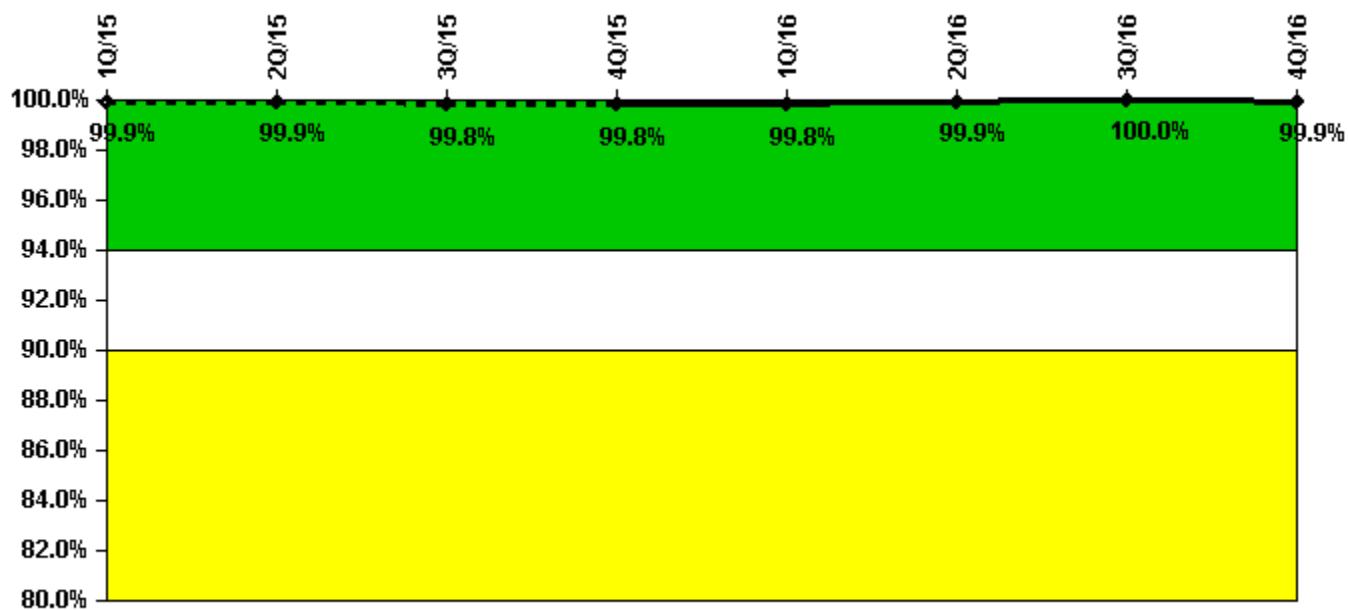
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Participating Key personnel	86.0	80.0	82.0	83.0	85.0	93.0	94.0	94.0
Total Key personnel	86.0	80.0	82.0	83.0	85.0	93.0	94.0	94.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



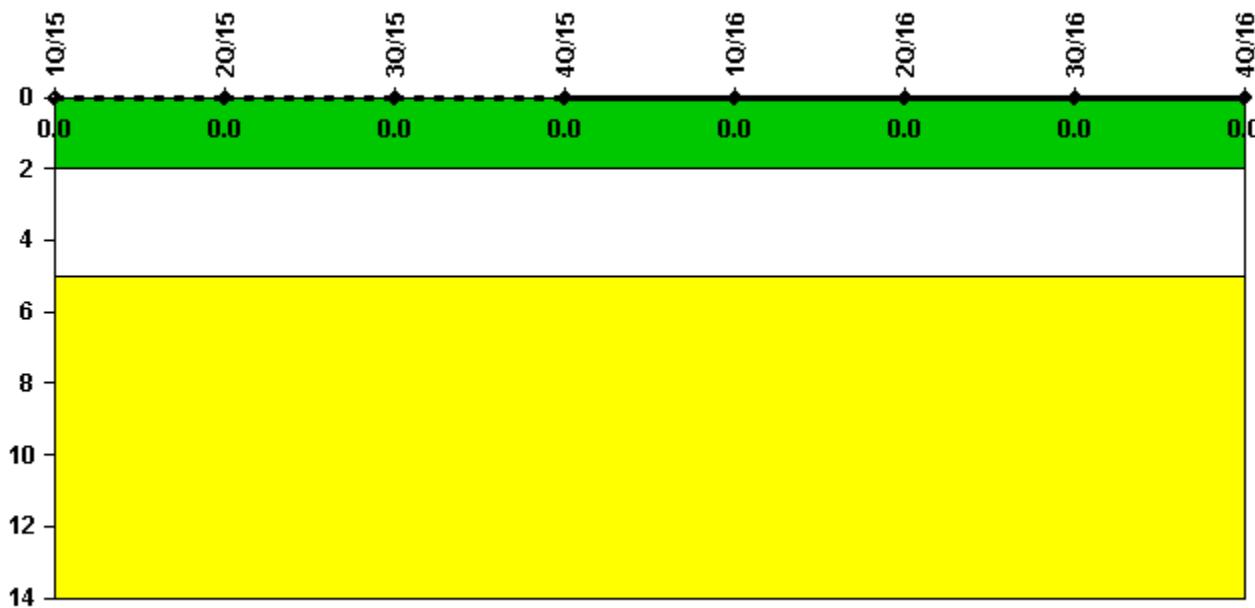
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful siren-tests	742	740	845	862	763	872	763	761
Total sirens-tests	742	742	848	863	763	872	763	763
Indicator value	99.9%	99.9%	99.8%	99.8%	99.8%	99.9%	100.0%	99.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness

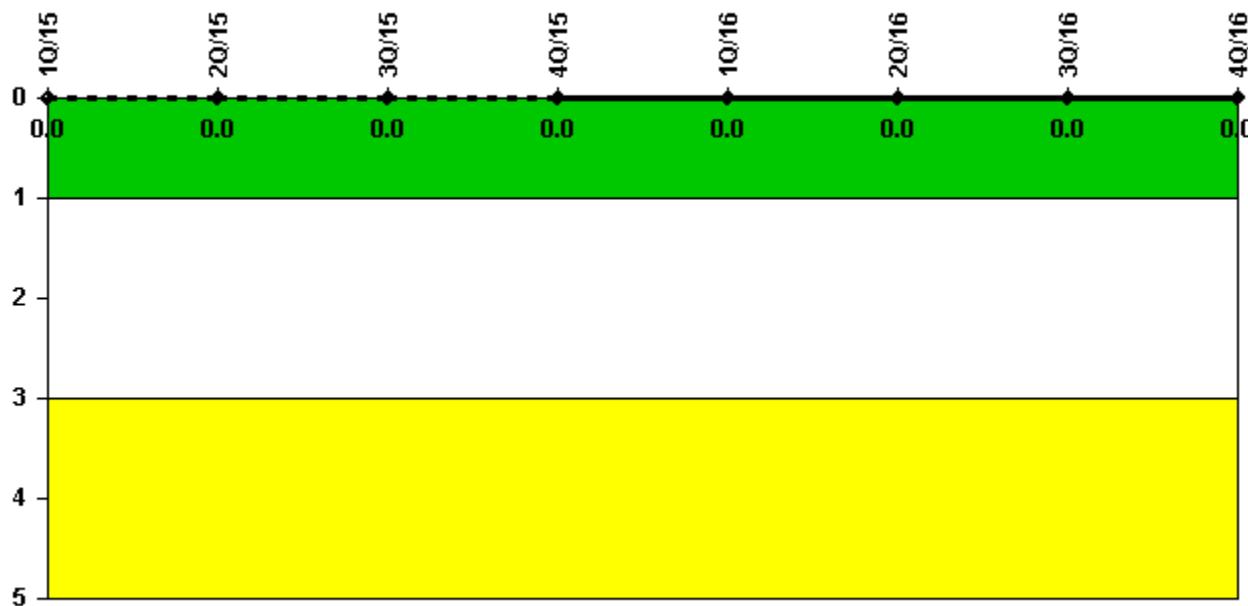


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0							

Licensee Comments: none

RETS/ODCM Radiological Effluent

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							

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



Home > Nuclear Reactors > Operating Reactors > Reactor Oversight Process > Plant Summaries > Summer > Quarterly Performance Indicators

Summer – Quarterly Performance Indicators

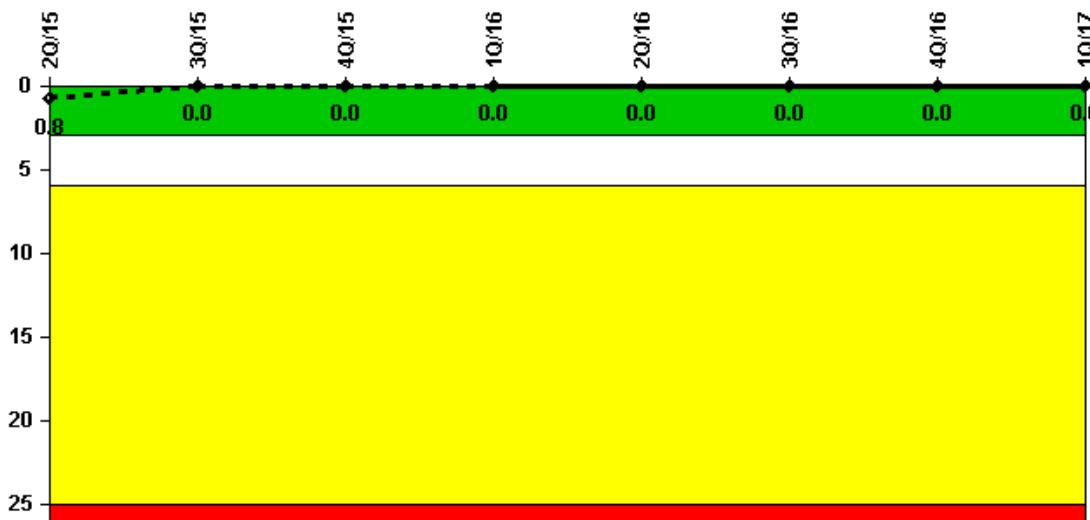
1Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: The plant operated at full power for the first quarter 2017

On this page:

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

Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

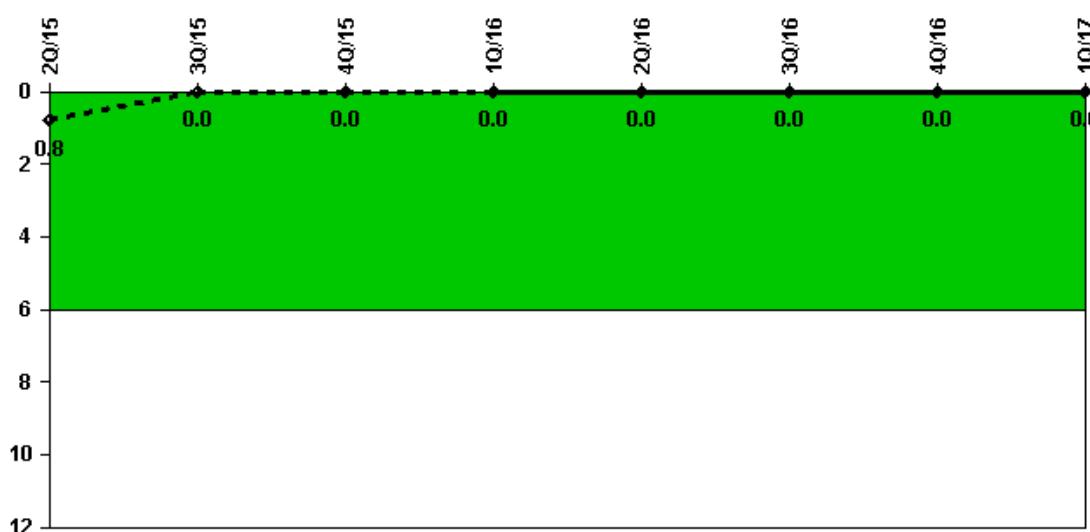
Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	786.4	2183.0	2184.0	2208.0	2209.0	2159.0

Indicator value	0.8	0	0	0	0	0	0	0
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Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

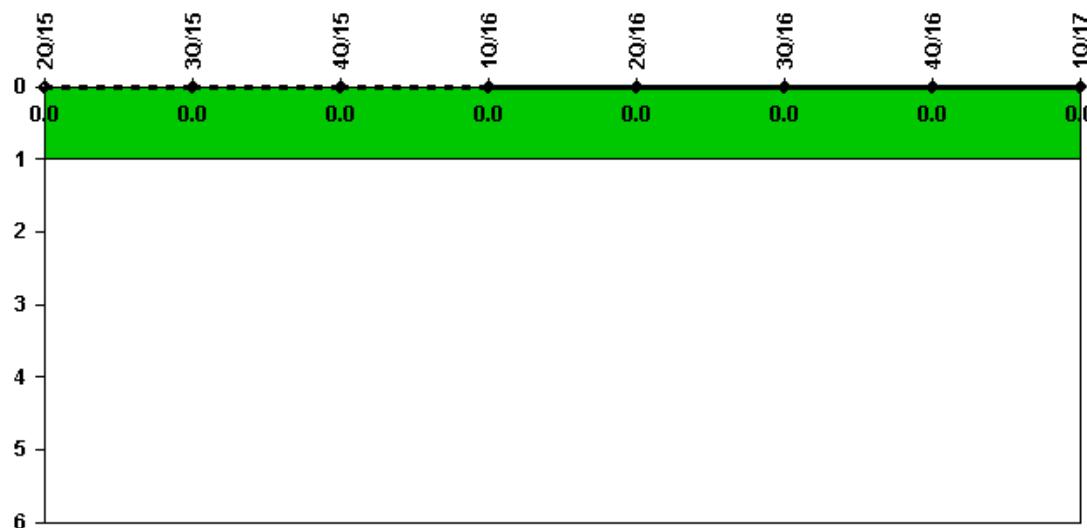
Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	786.4	2183.0	2184.0	2208.0	2209.0	2159.0

Indicator value **0.8** **0** **0** **0** **0** **0** **0** **0** **0**



Licensee Comments: none



Thresholds: White > 1.0

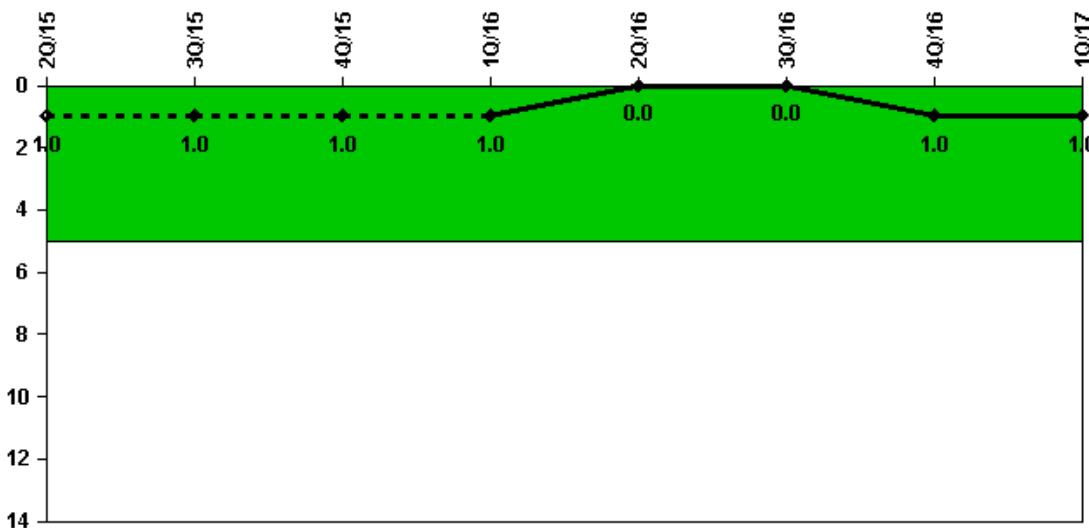
Notes

Unplanned Scrums with Complications 2Q/153Q/154Q/151Q/162Q/163Q/164Q/161Q/17
Scrums with complications 0 0 0 0 0 0 0 0 0

Indicator value 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0



Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR) 2Q/15 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17
Safety System Functional Failures 1 0 0 0 0 0 1 0

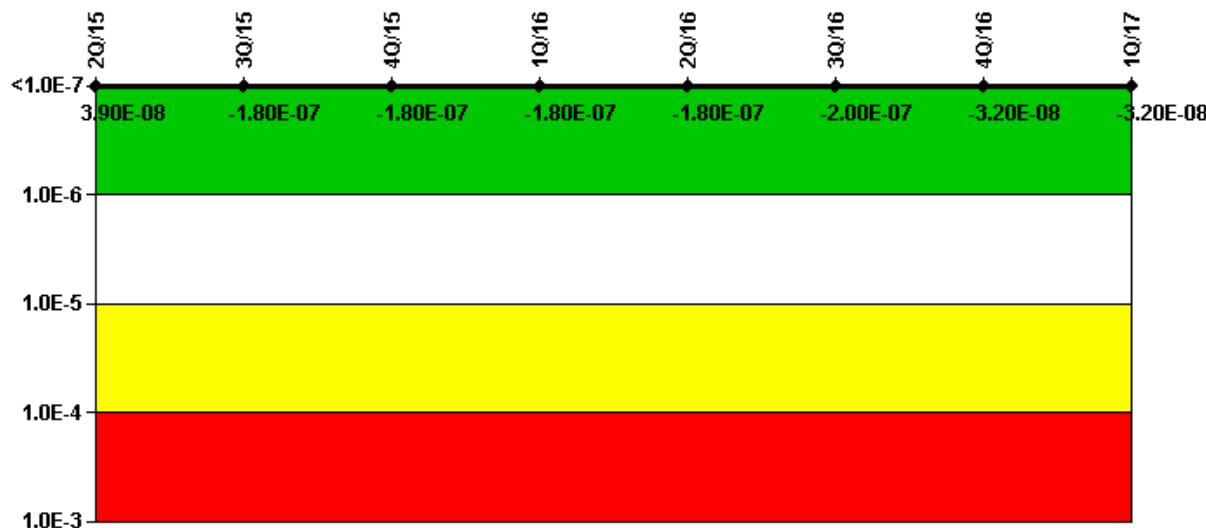
Indicator value 1 1 1 1 0 0 1 1

TOP

Licensee Comments:

4Q/16: LER 2016-003, Steam Propagation Door Discovered Propped Open.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

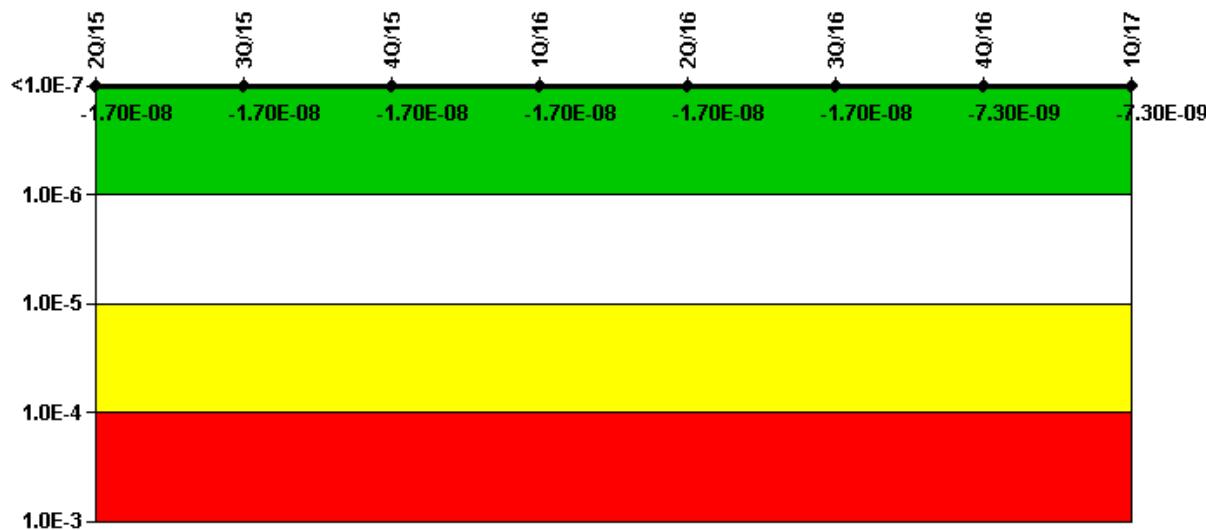
Mitigating Systems Performance Index, Emergency AC Power System

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (Δ CDF)	4.30E-08	-2.14E-09	-2.03E-09	-2.22E-09	6.67E-10	-1.75E-08	-2.76E-09	-2.76E-09
URI (Δ CDF)	-4.44E-09	-1.78E-07	-1.78E-07	-1.78E-07	-1.78E-07	-1.78E-07	-2.93E-08	-2.93E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.90E-08	-1.80E-07	-1.80E-07	-1.80E-07	-1.80E-07	-2.00E-07	-3.20E-08	-3.20E-08

▲ TOP

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

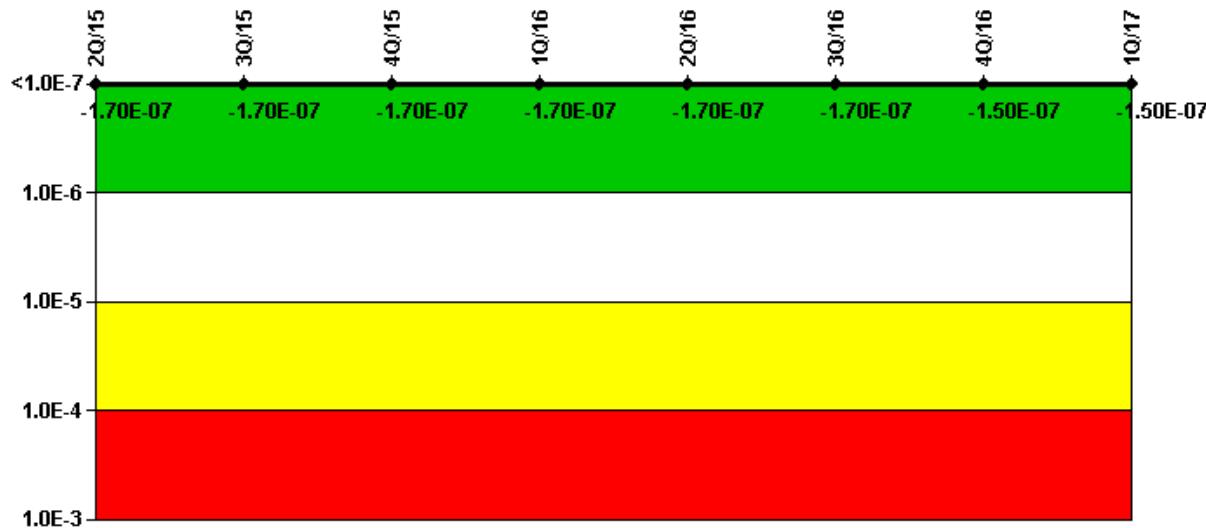
Mitigating Systems Performance Index, High Pressure Injection System

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (Δ CDF)	-2.41E-09	-2.41E-09	-2.41E-09	-2.41E-09	-2.41E-09	-2.41E-09	-1.38E-09	-1.38E-09
URI (Δ CDF)	-1.43E-08	-1.43E-08	-1.43E-08	-1.43E-08	-1.43E-08	-1.43E-08	-5.97E-09	-5.97E-09
PLE	NO							
Indicator value	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-7.30E-09	-7.30E-09

▲ 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

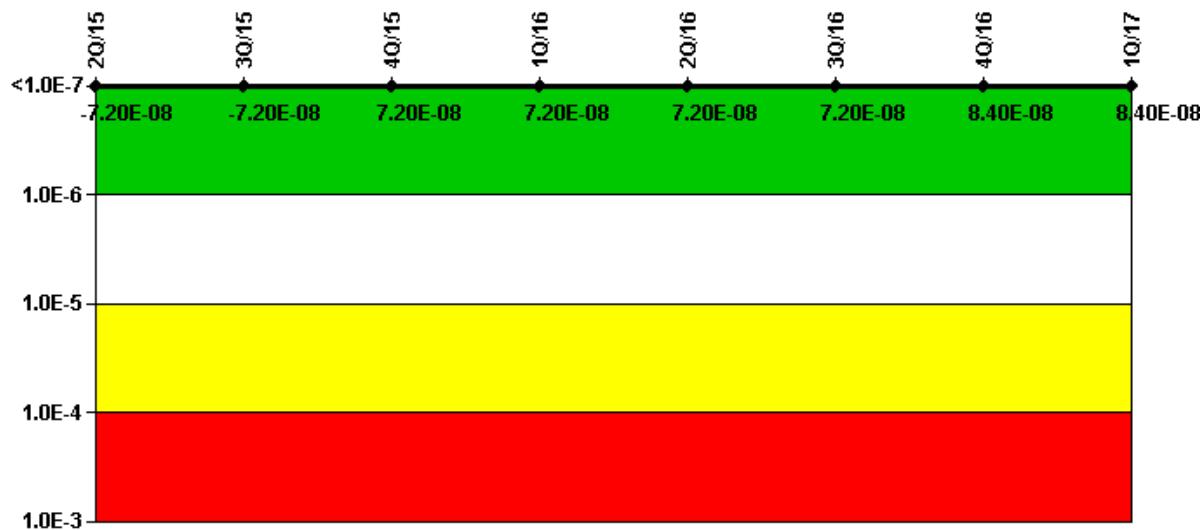
Mitigating Systems Performance Index, Heat Removal System

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (Δ CDF)	-1.65E-08	-1.55E-08	-1.79E-08	-1.77E-08	-1.84E-08	-1.85E-08	-1.64E-08	-1.64E-08
URI (Δ CDF)	-1.56E-07	-1.56E-07	-1.56E-07	-1.56E-07	-1.56E-07	-1.56E-07	-1.30E-07	-1.30E-07
PLE	NO							
Indicator value	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.50E-07	-1.50E-07

▲ 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

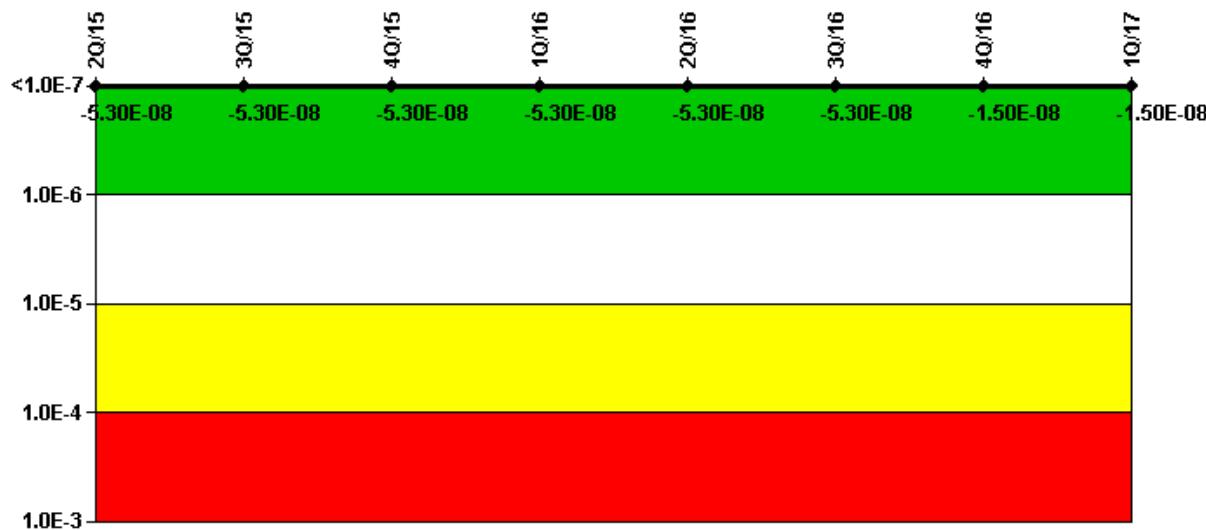
Mitigating Systems Performance Index, Residual Heat Removal System

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (Δ CDF)	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-5.63E-09	-5.63E-09
URI (Δ CDF)	-6.37E-08	-6.37E-08	7.95E-08	7.95E-08	7.95E-08	7.95E-08	9.01E-08	9.01E-08
PLE	NO							
Indicator value	-7.20E-08	-7.20E-08	7.20E-08	7.20E-08	7.20E-08	7.20E-08	8.40E-08	8.40E-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

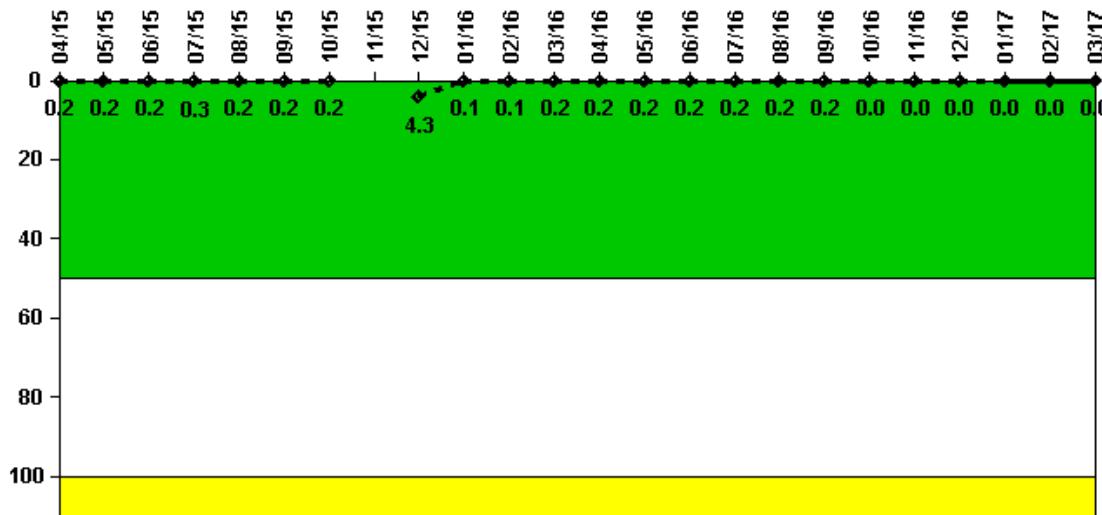
Notes

Mitigating Systems Performance Index, Cooling Water Systems

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (Δ CDF)	-6.95E-09	-6.95E-09	-6.95E-09	-6.95E-09	-6.95E-09	-6.95E-09	-2.34E-09	-2.34E-09
URI (Δ CDF)	-4.57E-08	-4.57E-08	-4.57E-08	-4.57E-08	-4.57E-08	-4.57E-08	-1.28E-08	-1.28E-08
PLE	NO							
Indicator value	-5.30E-08	-5.30E-08	-5.30E-08	-5.30E-08	-5.30E-08	-5.30E-08	-1.50E-08	-1.50E-08

▲ TOP

Licensee Comments: none

Reactor Coolant System Activity

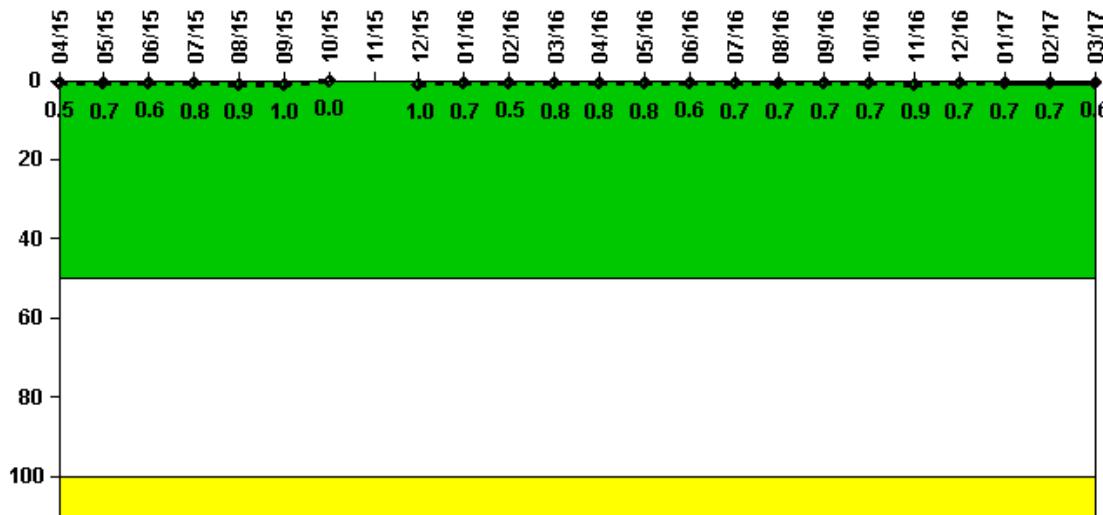
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum activity	0.000110	0.000109	0.000113	0.000164	0.000122	0.000130	0.000104	N/A	0.002512	0.000083	0.000082	0.000147
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	0.2	0.2	0.3	0.2	0.2	0.2	N/A	4.3	0.1	0.1	0.2
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	0.000092	0.000089	0.000091	0.000103	0.000101	0.000102	0.000105	0.000106	0.000102	0.000102	0.000109	0.000114
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0	0	0

TOP

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage 4/15 5/15 6/15 7/15 8/15 9/15 10/15 11/15 12/15 1/16 2/16 3/16

Maximum leakage 0.050 0.070 0.060 0.080 0.090 0.100 0 N/A 0.100 0.070 0.050 0.080

Technical specification limit 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

Indicator value 0.5 0.7 0.6 0.8 0.9 1.0 0 N/A 1.0 0.7 0.5 0.8

Reactor Coolant System Leakage 4/16 5/16 6/16 7/16 8/16 9/16 10/16 11/16 12/16 1/17 2/17 3/17

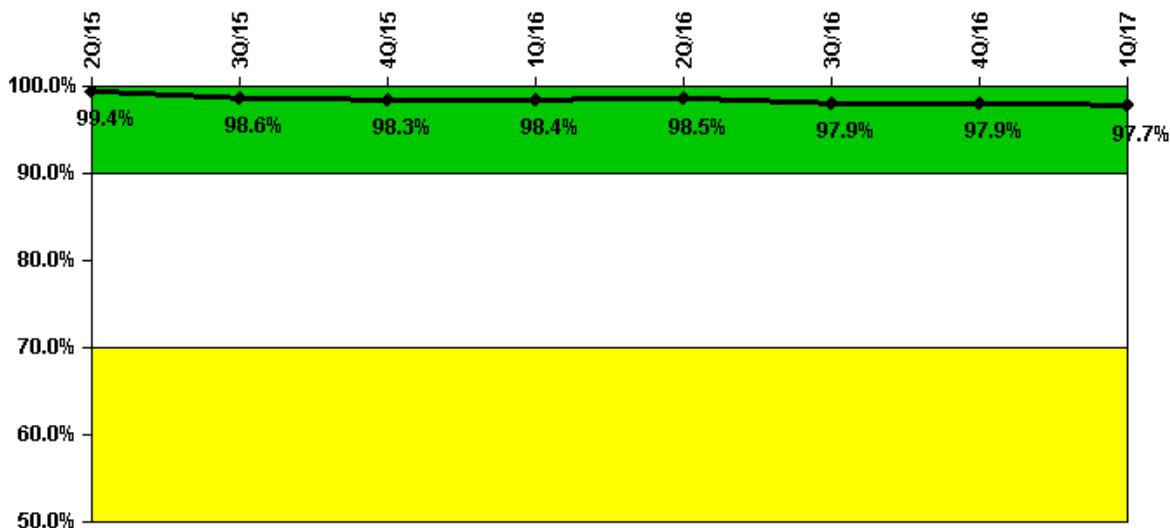
Maximum leakage 0.080 0.080 0.060 0.070 0.070 0.070 0.070 0.090 0.070 0.070 0.070 0.060

Technical specification limit 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

Indicator value 0.8 0.8 0.6 0.7 0.7 0.7 0.7 0.9 0.7 0.7 0.7 0.6

TOP

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

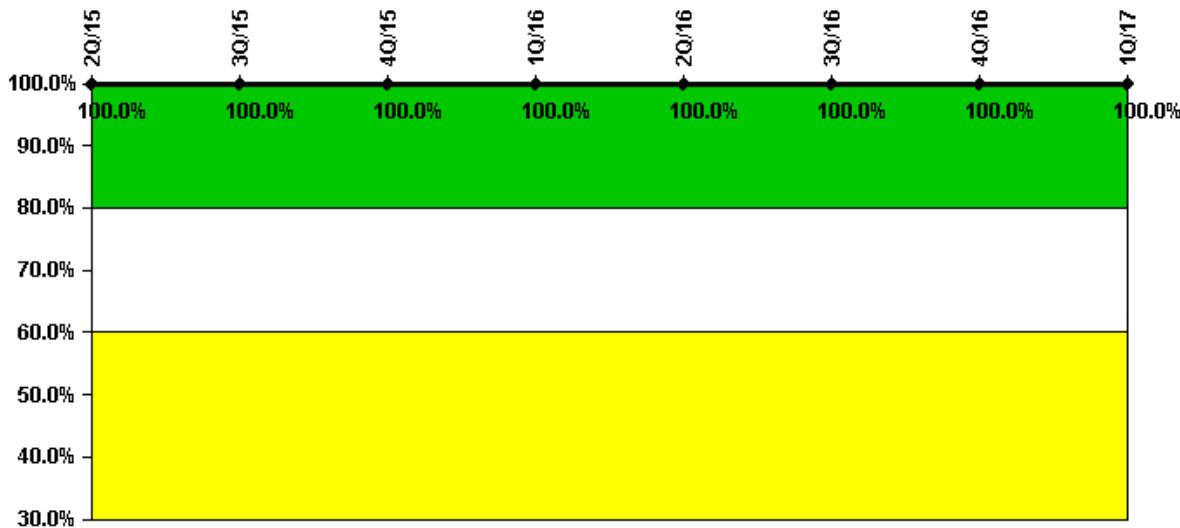
Notes

Drill/Exercise Performance	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful opportunities	20.0	69.0	0	43.0	30.0	82.0	39.0	58.0
Total opportunities	20.0	73.0	0	43.0	30.0	84.0	40.0	59.0

Indicator value **99.4% 98.6% 98.3% 98.4% 98.5% 97.9% 97.9% 97.7%**

TOP

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

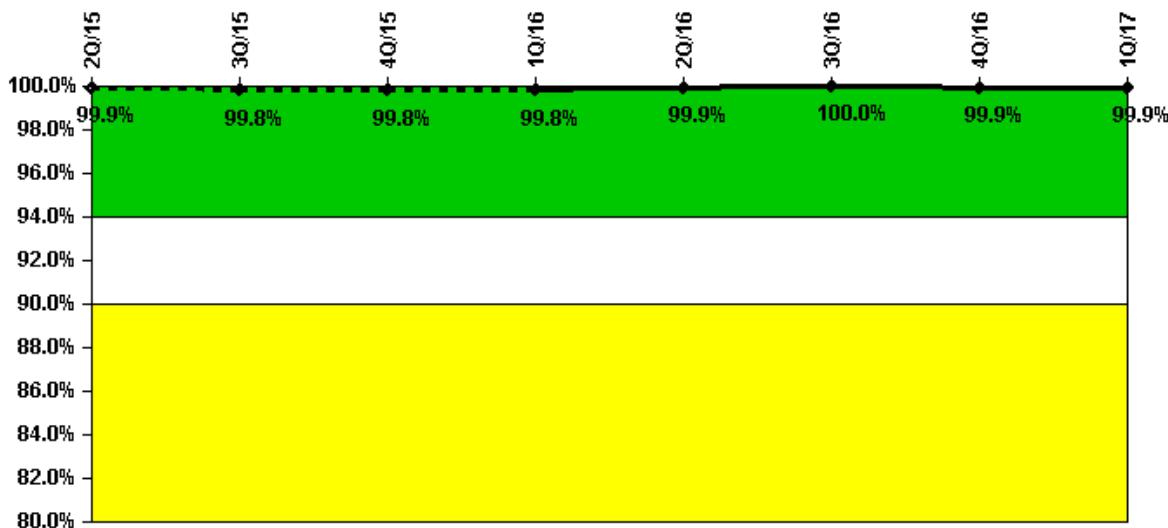
Notes

ERO Drill Participation	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Participating Key personnel	80.0	82.0	83.0	85.0	93.0	94.0	94.0	102.0
Total Key personnel	80.0	82.0	83.0	85.0	93.0	94.0	94.0	102.0

Indicator value 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0%

TOP

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

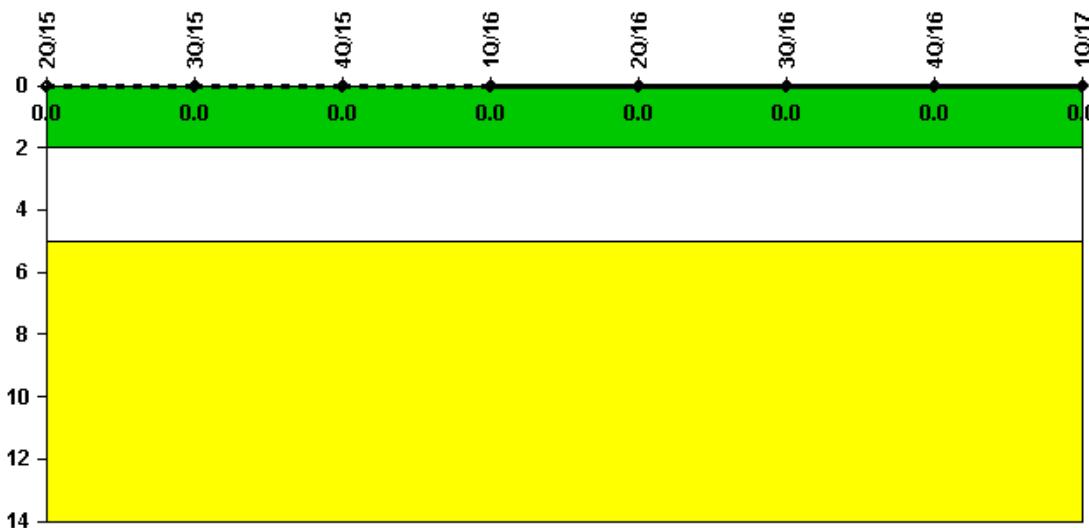
Notes

Alert & Notification System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful siren-tests	740	845	862	763	872	763	761	762
Total sirens-tests	742	848	863	763	872	763	763	763

Indicator value **99.9% 99.8% 99.8% 99.8% 99.9% 100.0% 99.9% 99.9%**

TOP

Licensee Comments: none

Occupational Exposure Control Effectiveness

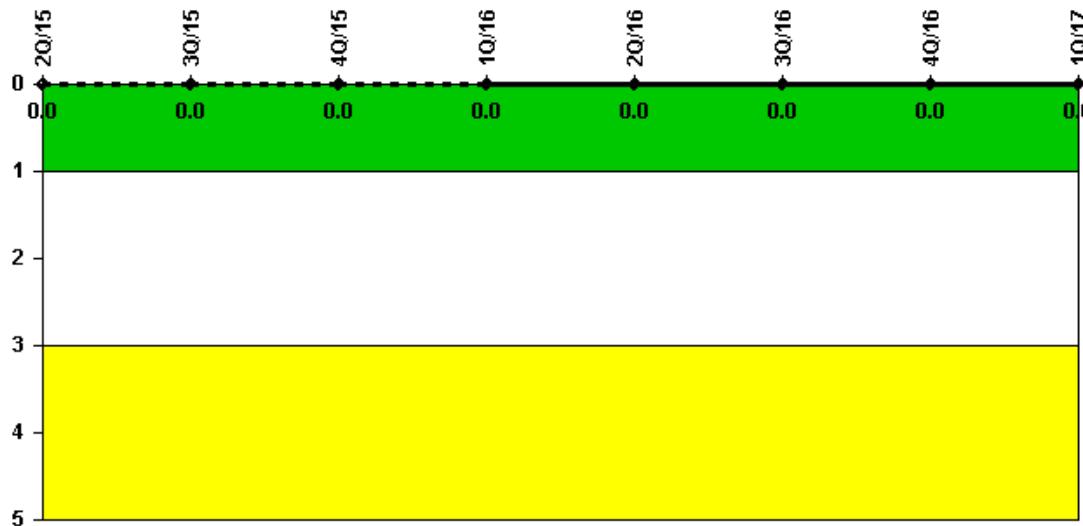
Thresholds: White > 2.0 Yellow > 5.0

Notes**Occupational Exposure Control Effectiveness**

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0							

TOP

Licensee Comments: none

RETS/ODCM Radiological Effluent

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



Home > Nuclear Reactors > Operating Reactors > Reactor Oversight Process > Plant Summaries > Summer > Quarterly Performance Indicators

Summer – Quarterly Performance Indicators

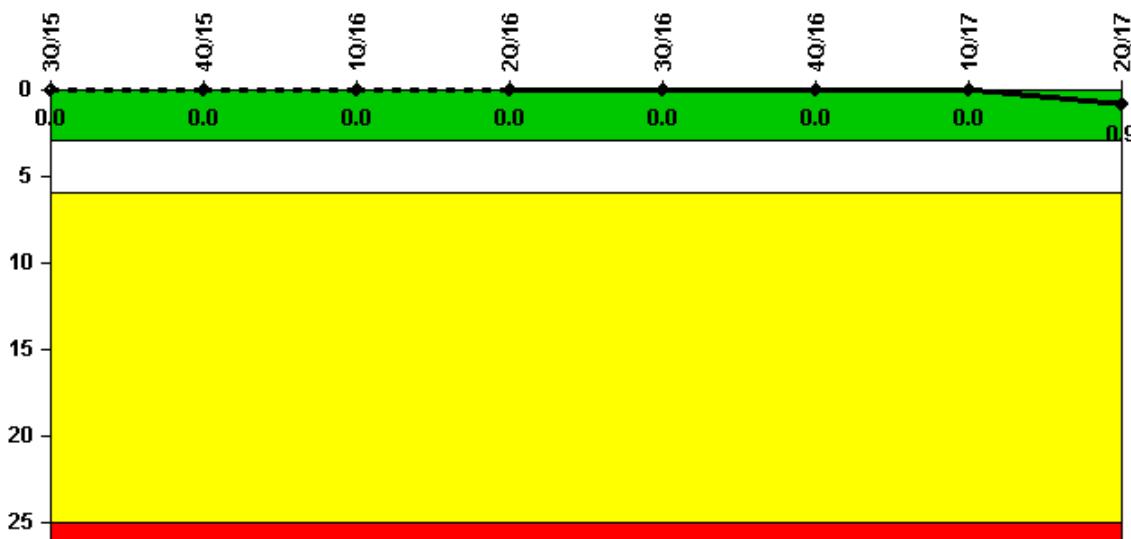
2Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: Value revised per CR-17-03293 Key ERO member not participating in a DEP in the last 8 quarters.

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)
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- Reactor Coolant System Leakage (BI02)
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- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes**Unplanned Scrams per 7000 Critical Hrs 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17**

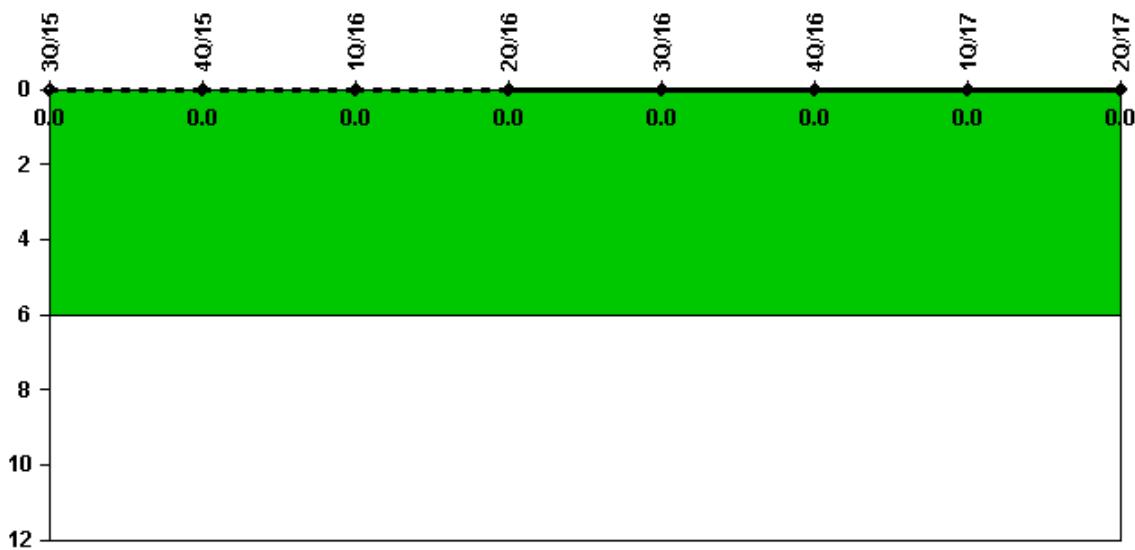
Unplanned scrams	0	0	0	0	0	0	0	1.0
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Critical hours	2208.0	786.4	2183.0	2184.0	2208.0	2209.0	2159.0	860.6
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Indicator value	0	0.9						
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▲ TOP

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

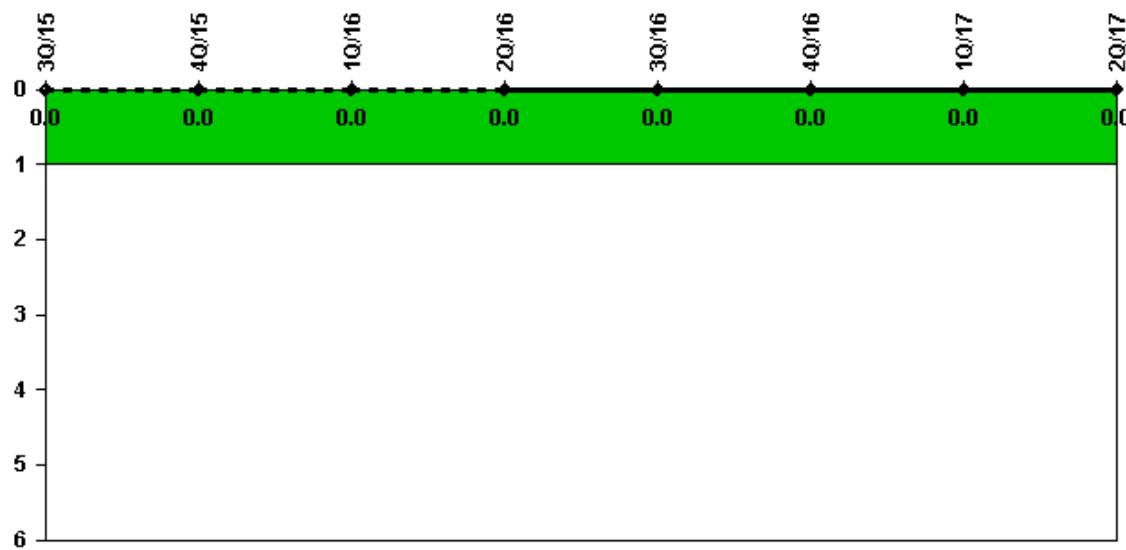
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	786.4	2183.0	2184.0	2208.0	2209.0	2159.0	860.6

Indicator value	0	0	0	0	0	0	0	0
TOP								

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

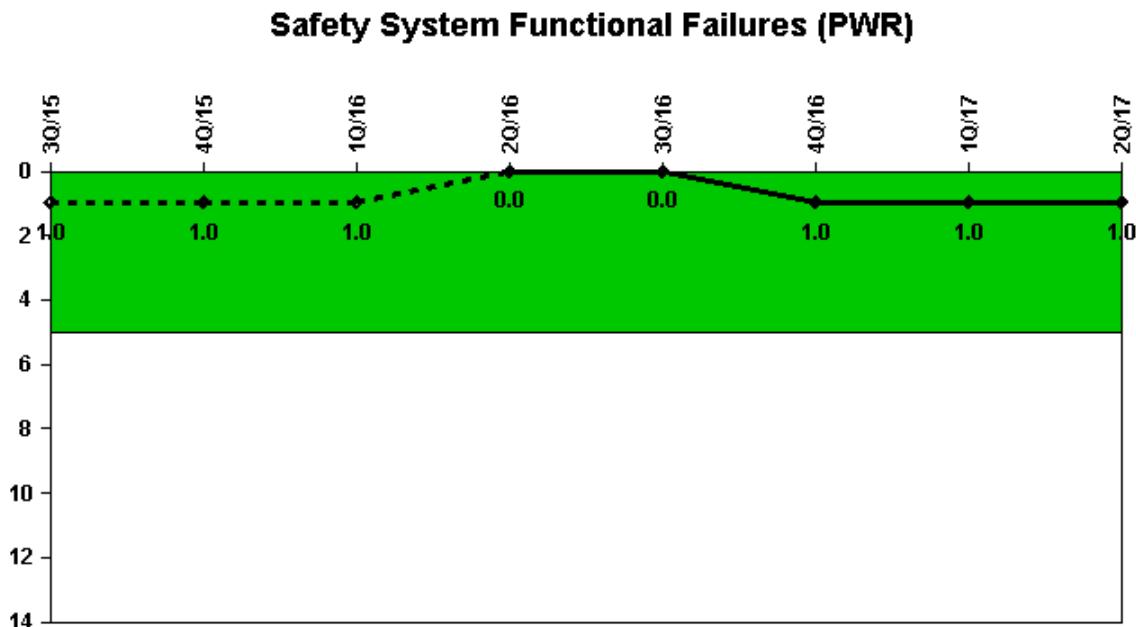
Notes

Unplanned Scrams with Complications 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17
Scrams with complications 0 0 0 0 0 0 0 0

Indicator value 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

TOP

Licensee Comments: none



Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR) 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17
Safety System Functional Failures 0 0 0 0 0 1 0 0

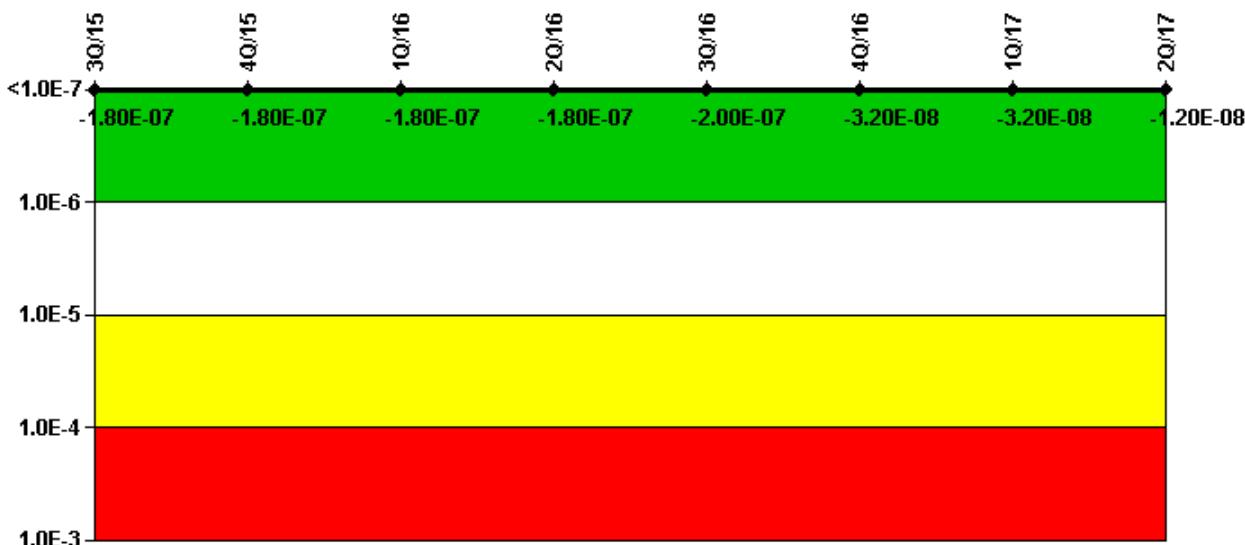
Indicator value 1 1 1 8 8 1 1 1



Licensee Comments:

40/16: LER 2016-003. Steam Propagation Door Discovered Propped Open.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

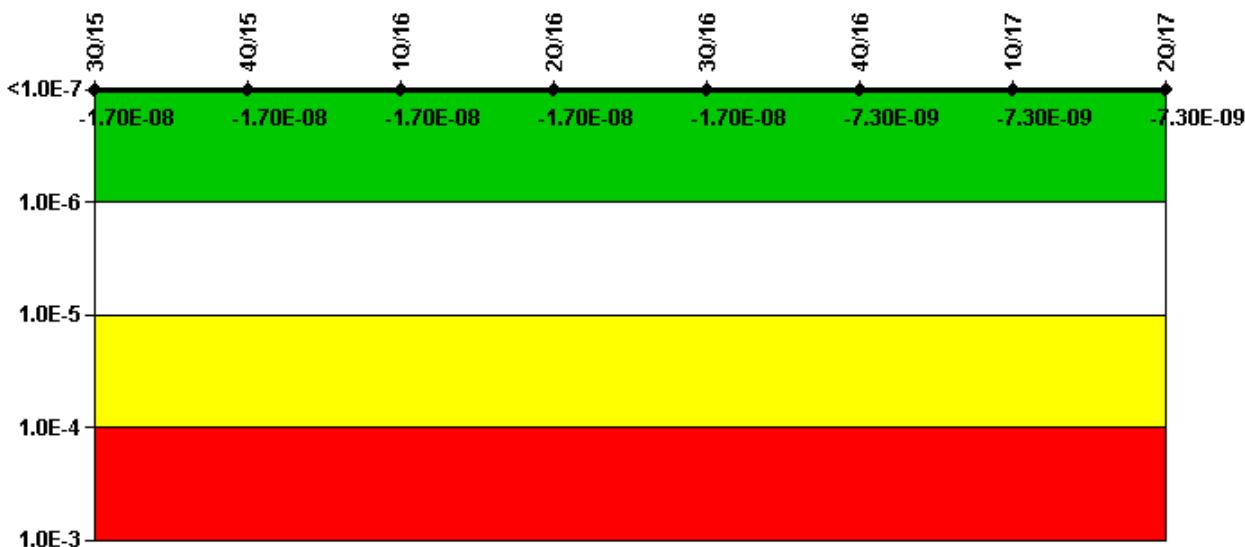
Mitigating Systems Performance Index, Emergency AC Power System

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (Δ CDF)	-2.14E-09	-2.03E-09	-2.22E-09	6.67E-10	-1.75E-08	-2.76E-09	-2.76E-09	-1.58E-09
URI (Δ CDF)	-1.78E-07	-1.78E-07	-1.78E-07	-1.78E-07	-1.78E-07	-2.93E-08	-2.93E-08	-1.05E-08
PLE	NO							
Indicator value	-1.80E-07	-1.80E-07	-1.80E-07	-1.80E-07	-2.00E-07	-3.20E-08	-3.20E-08	-1.20E-08

▲ TOP

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

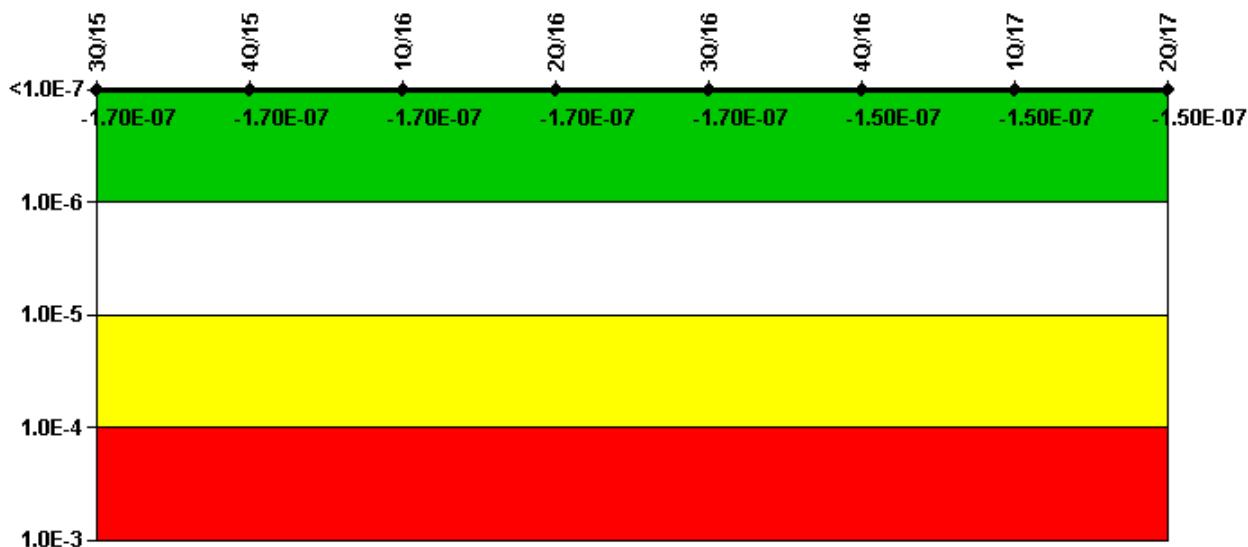
Mitigating Systems Performance Index, High Pressure Injection System

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (Δ CDF)	-2.41E-09	-2.41E-09	-2.41E-09	-2.41E-09	-2.41E-09	-1.38E-09	-1.38E-09	-1.38E-09
URI (Δ CDF)	-1.43E-08	-1.43E-08	-1.43E-08	-1.43E-08	-1.43E-08	-5.97E-09	-5.97E-09	-5.97E-09
PLE	NO							
Indicator value	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-7.30E-09	-7.30E-09	-7.30E-09

▲ 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

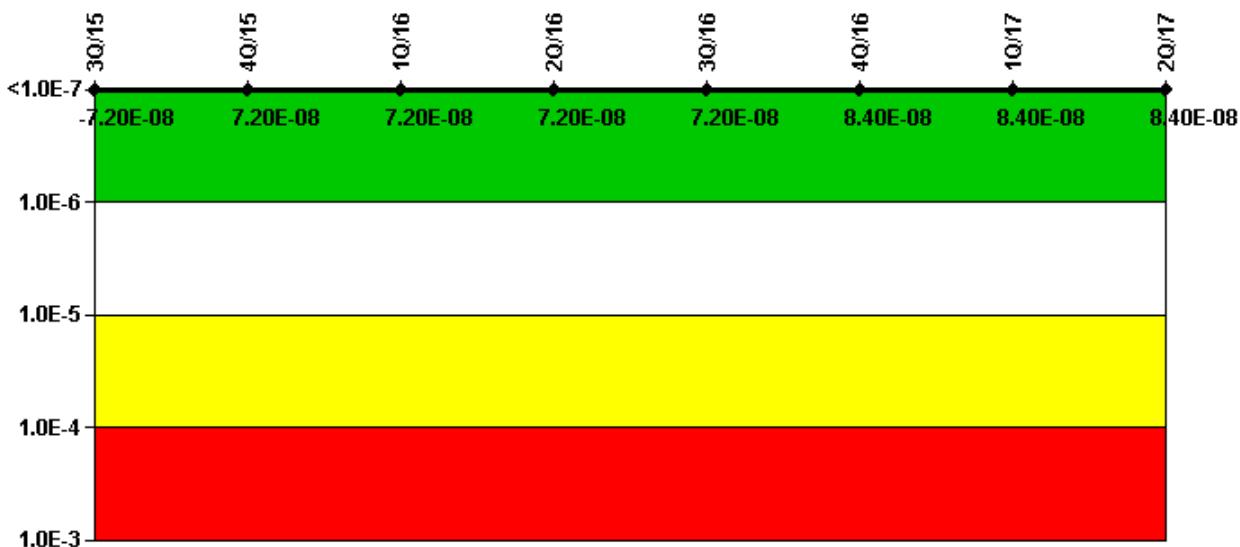
Mitigating Systems Performance Index, Heat Removal System

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (Δ CDF)	-1.55E-08	-1.79E-08	-1.77E-08	-1.84E-08	-1.85E-08	-1.64E-08	-1.64E-08	-1.64E-08
URI (Δ CDF)	-1.56E-07	-1.56E-07	-1.56E-07	-1.56E-07	-1.56E-07	-1.30E-07	-1.30E-07	-1.30E-07
PLE	NO							
Indicator value	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.50E-07	-1.50E-07	-1.50E-07

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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

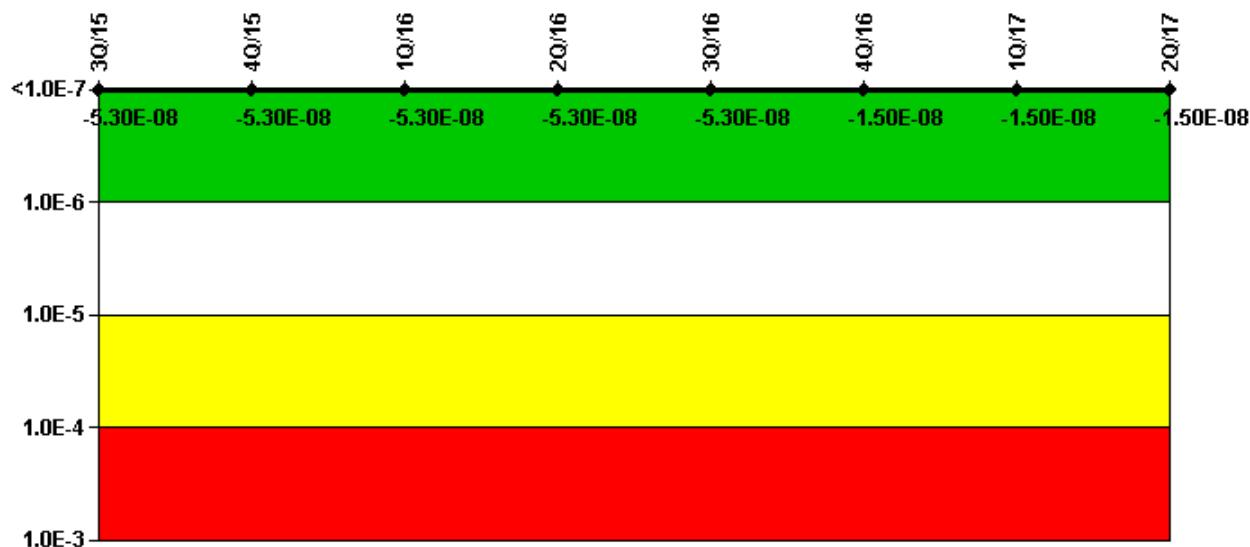
Mitigating Systems Performance Index, Residual Heat Removal System

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (Δ CDF)	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-5.63E-09	-5.63E-09	-5.87E-09
URI (Δ CDF)	-6.37E-08	7.95E-08	7.95E-08	7.95E-08	7.95E-08	9.01E-08	9.01E-08	9.01E-08
PLE	NO							
Indicator value	-7.20E-08	7.20E-08	7.20E-08	7.20E-08	7.20E-08	8.40E-08	8.40E-08	8.40E-08

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Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

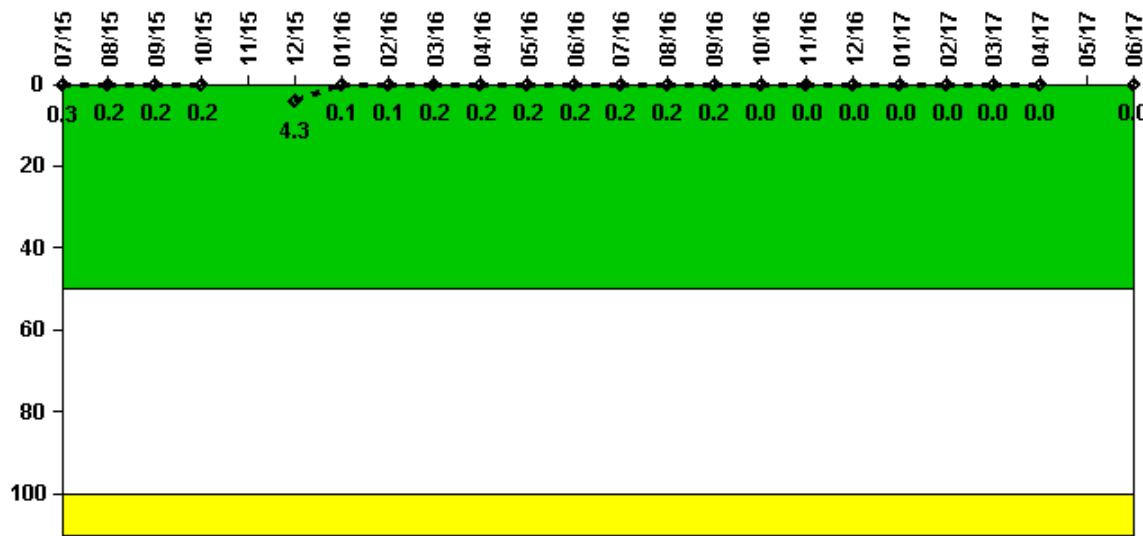
Mitigating Systems Performance Index, Cooling Water Systems

	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (Δ CDF)	-6.95E-09	-6.95E-09	-6.95E-09	-6.95E-09	-6.95E-09	-2.34E-09	-2.34E-09	-2.34E-09
URI (Δ CDF)	-4.57E-08	-4.57E-08	-4.57E-08	-4.57E-08	-4.57E-08	-1.28E-08	-1.28E-08	-1.28E-08
PLE	NO							
Indicator value	-5.30E-08	-5.30E-08	-5.30E-08	-5.30E-08	-5.30E-08	-1.50E-08	-1.50E-08	-1.50E-08

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Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

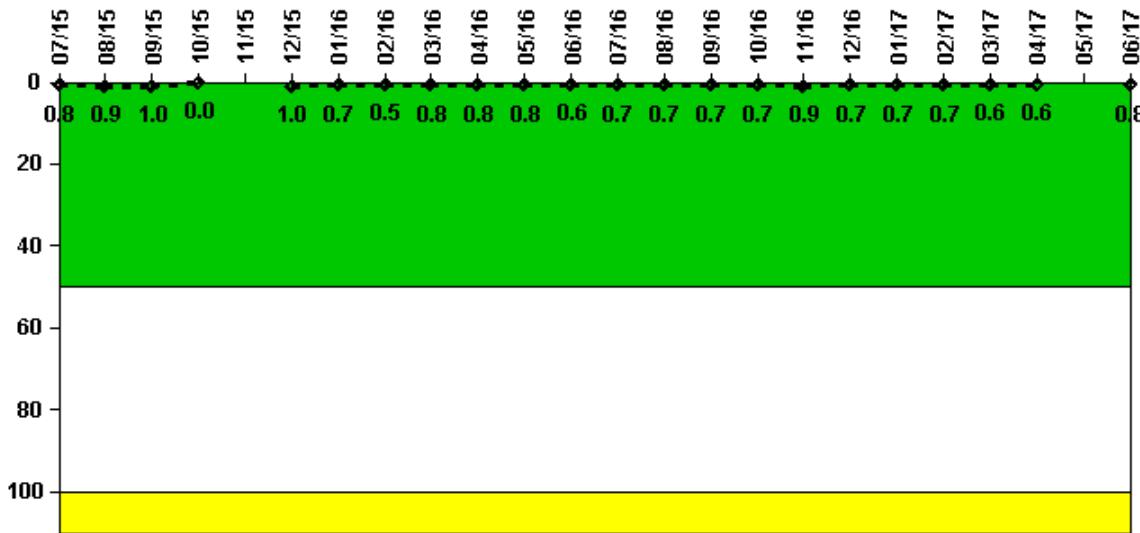
Notes

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	0.000164	0.000122	0.000130	0.000104	N/A	0.002512	0.000083	0.000082	0.000147	0.000092	0.000089	0.000091
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.3	0.2	0.2	0.2	N/A	4.3	0.1	0.1	0.2	0.2	0.2	0.2
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	0.000103	0.000101	0.000102	0.000105	0.000106	0.000102	0.000102	0.000109	0.000114	0.000111	N/A	0.000056
Technical specification limit	0.1	0.1	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.2	0.2	0.2	0	0	0	0	0	0	0	N/A	0

TOP

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum leakage	0.080	0.090	0.100	0	N/A	0.100	0.070	0.050	0.080	0.080	0.080	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

Indicator value	0.8	0.9	1.0	0	N/A	1.0	0.7	0.5	0.8	0.8	0.8	0.6
Reactor Coolant System Leakage	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17
Maximum leakage	0.070	0.070	0.070	0.070	0.090	0.070	0.070	0.070	0.060	0.060	N/A	0.080

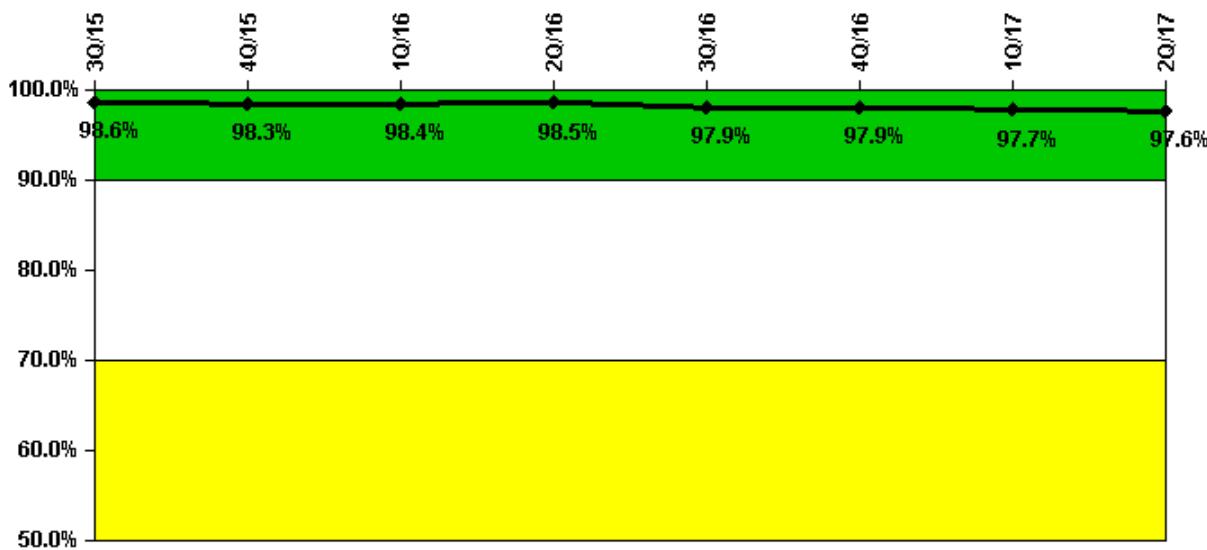
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
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Indicator value	0.7	0.7	0.7	0.7	0.9	0.7	0.7	0.7	0.6	0.6	N/A	0.8
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TOP

Licensee Comments: none

Drill/Exercise Performance



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

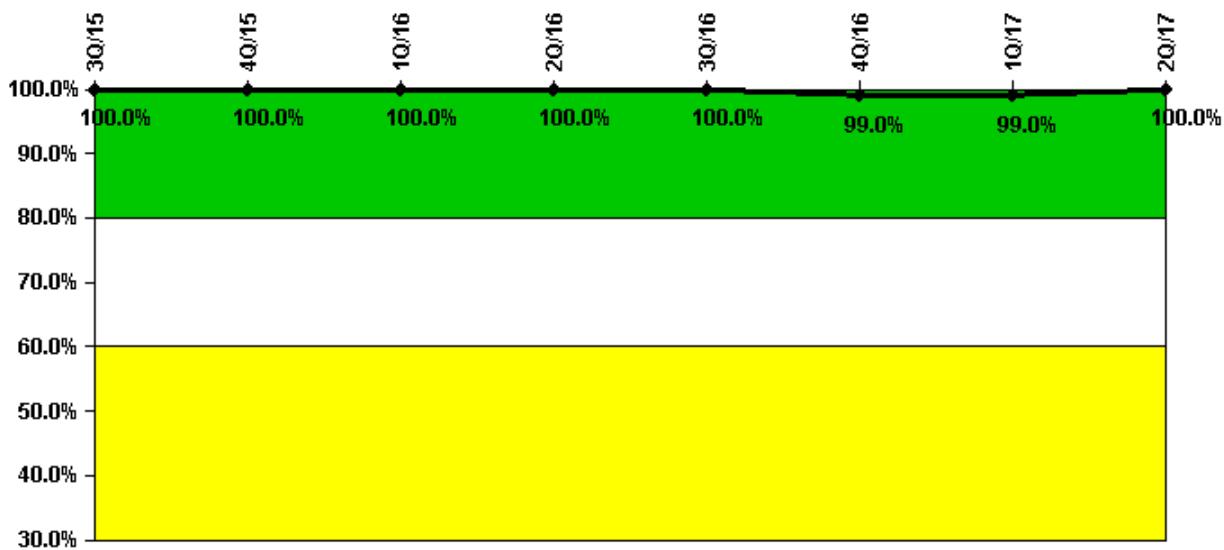
Successful opportunities	69.0	0	43.0	30.0	82.0	39.0	58.0	2.0
Total opportunities	73.0	0	43.0	30.0	84.0	40.0	59.0	2.0

Indicator value 98.6% 98.3% 98.4% 98.5% 97.9% 97.9% 97.7% 97.6%



Licensee Comments: none

ERO Drill Participation



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 82.0 83.0 85.0 93.0 94.0 99.0 102.0 101.0

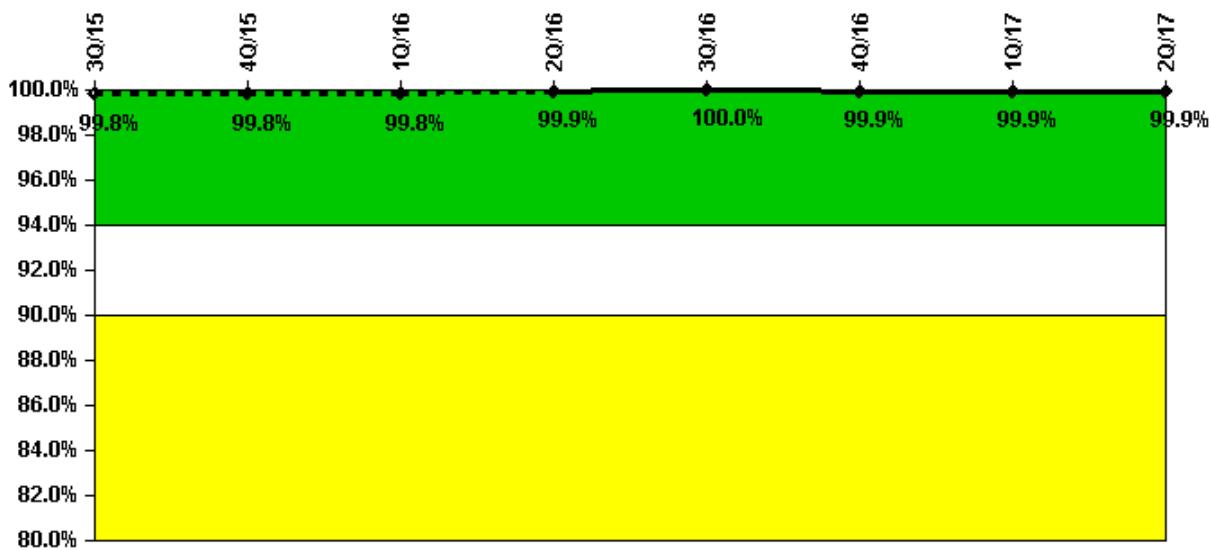
Total Key personnel 82.0 83.0 85.0 93.0 94.0 100.0 103.0 101.0

Indicator value 100.0% 100.0% 100.0% 100.0% 100.0% 99.0% 99.0% 100.0%



Licensee Comments: none

Alert & Notification System



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

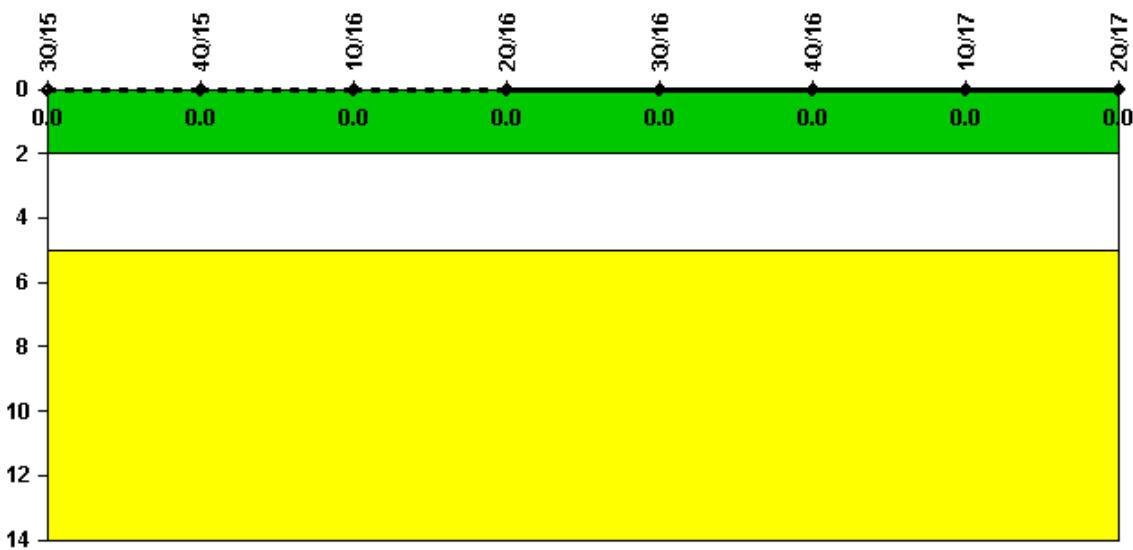
Successful siren-tests	845	862	763	872	763	761	762	872
Total sirens-tests	848	863	763	872	763	763	763	872

Indicator value 99.8% 99.8% 99.8% 99.9% 100.0% 99.9% 99.9% 99.9%



Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

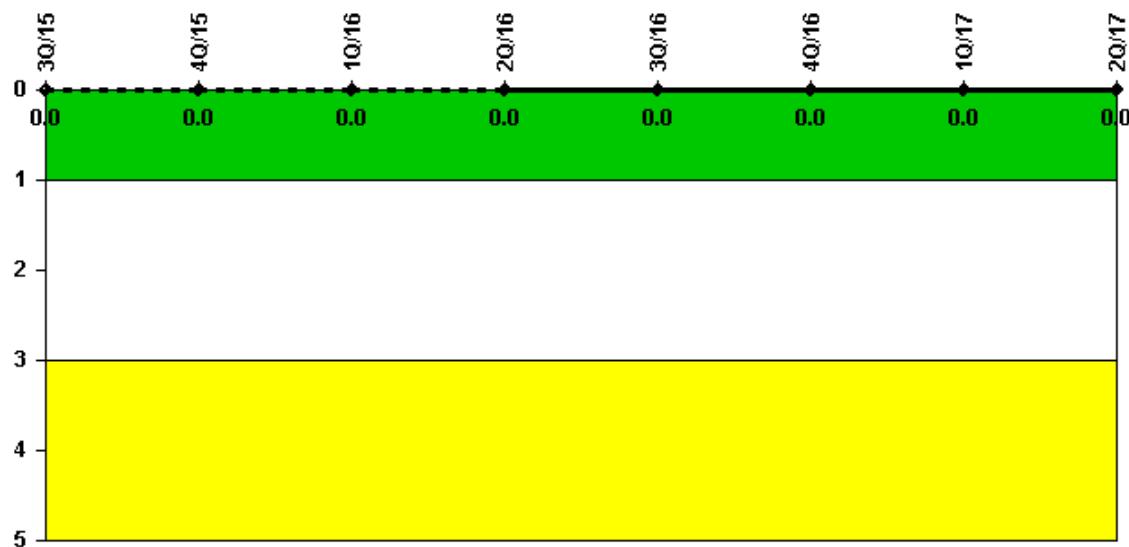
Notes

Occupational Exposure Control Effectiveness 3Q/15 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17

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

TOP

Licensee Comments: none

RETS/ODCM Radiological Effluent

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



Home > Nuclear Reactors > Operating Reactors > Reactor Oversight Process > Plant Summaries > Summer > Quarterly Performance Indicators

Summer – Quarterly Performance Indicators

3Q/2017 Performance Indicators

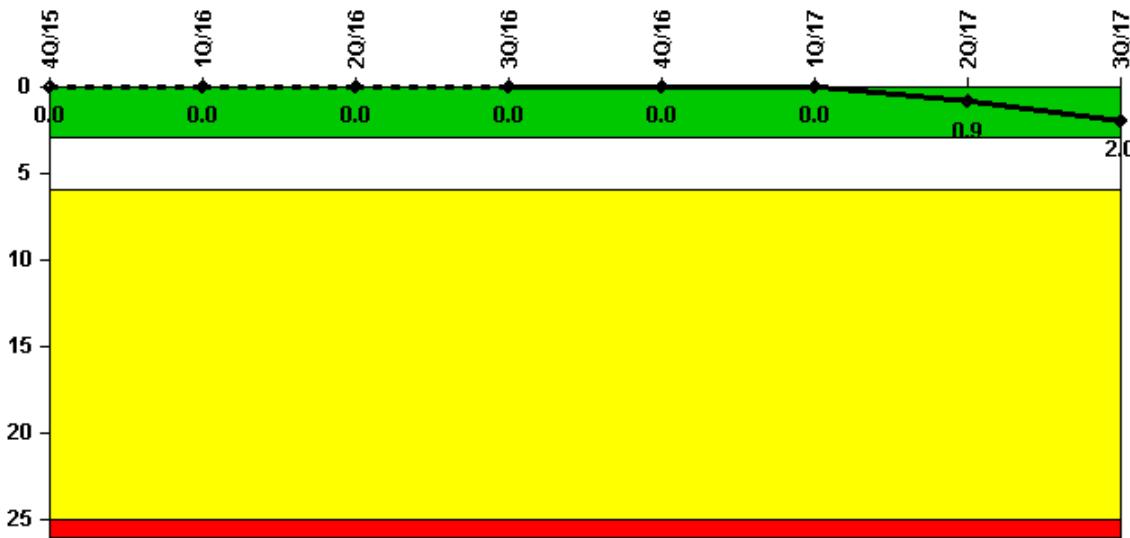
The solid trend line represents the current reporting period.

Licensee's General Comments: EP01 2Q2017 data corrected per CR-17-05448; EP02 1Q2016, 2Q2016, 3Q2016, 4Q2016, 1Q2017, 2Q2017 corrected per CR-17-04287; MS06 Unplanned Unavailability Hour of 22.7 hr. was reduced to 0 because the plant was shutdown with reactor trip breakers open.

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 Efluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

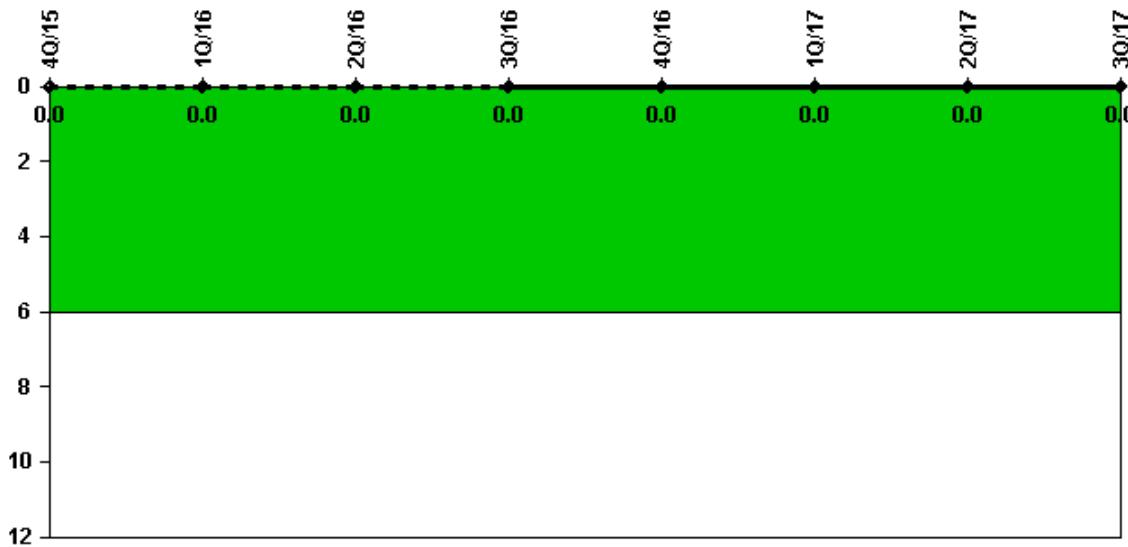
Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned scrams	0	0	0	0	0	0	1.0	1.0
Critical hours	786.4	2183.0	2184.0	2208.0	2209.0	2159.0	860.6	1950.5

Indicator value 0 0 0 0 0 0 0.9 2.0



Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

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
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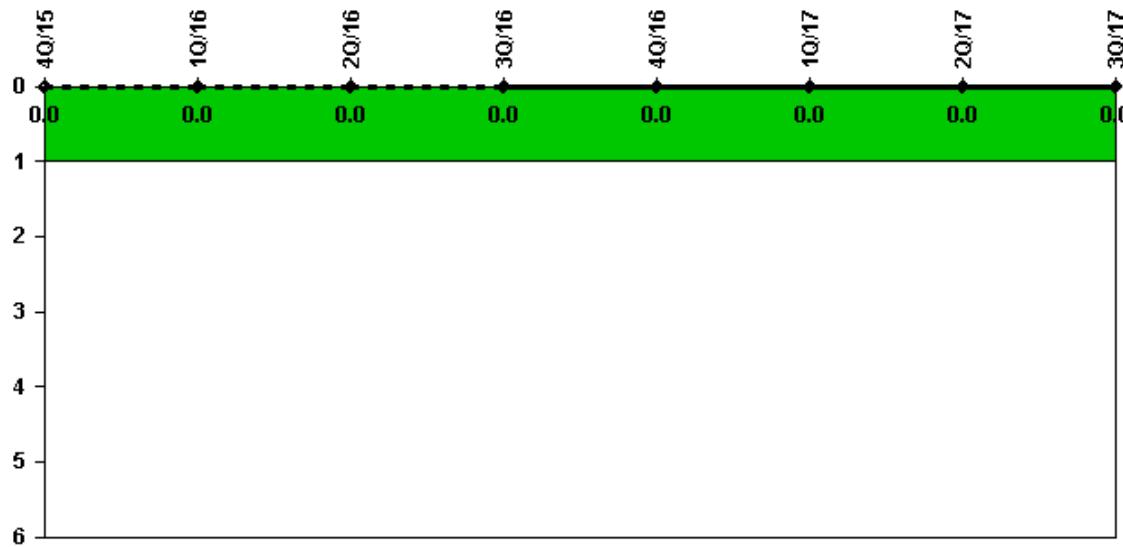
Unplanned power changes	0	0	0	0	0	0	0	0
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Critical hours	786.4	2183.0	2184.0	2208.0	2209.0	2159.0	860.6	1950.5
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Indicator value	0	0	0	0	0	0	0	0
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Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

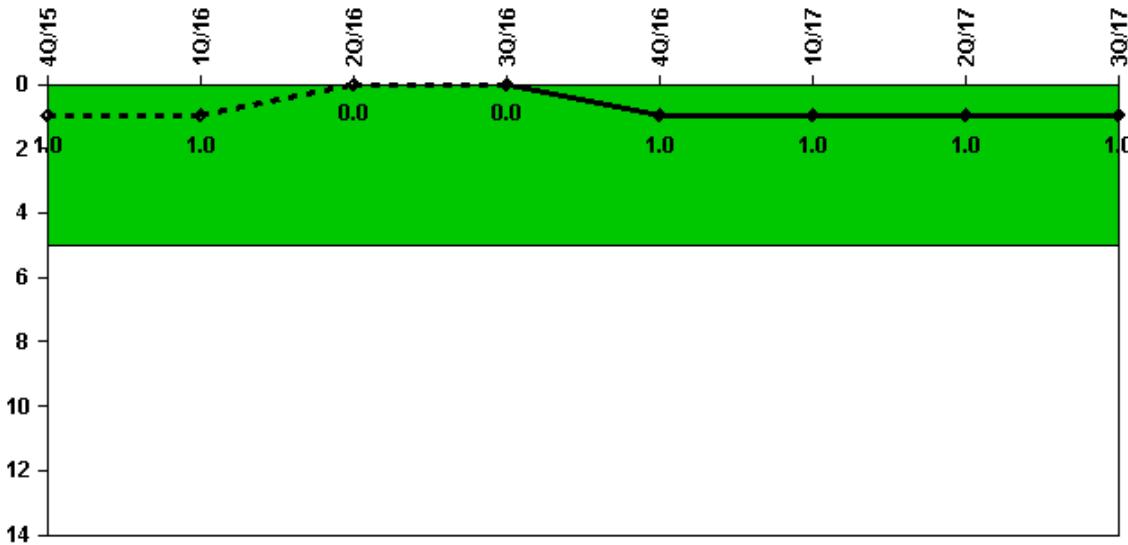
Unplanned Scrams with Complications 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17
Scrams with complications 0 0 0 0 0 0 0 0

Indicator value 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0



Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR) 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17
Safety System Functional Failures 0 0 0 0 1 0 0 0

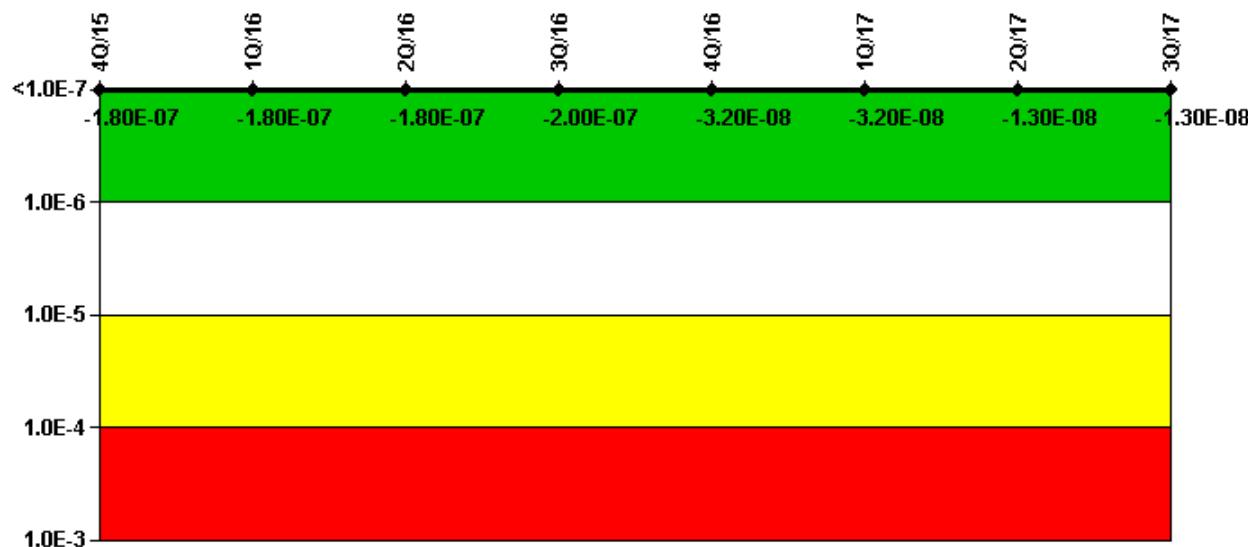
Indicator value 1 1 0 0 1 1 1 1



Licensee Comments:

4Q/16: LER 2016-003, Steam Propagation Door Discovered Propped Open.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

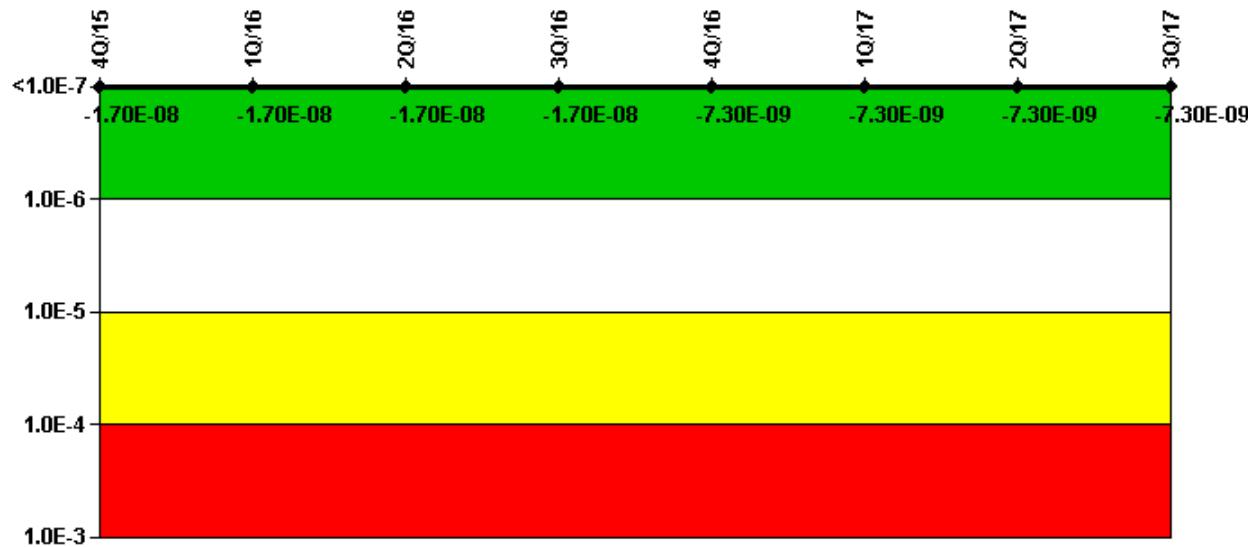
Mitigating Systems Performance Index, Emergency AC Power System

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (Δ CDF)	-2.03E-09	-2.22E-09	6.67E-10	-1.75E-08	-2.76E-09	-2.76E-09	-2.76E-09	-2.76E-09
URI (Δ CDF)	-1.78E-07	-1.78E-07	-1.78E-07	-1.78E-07	-2.93E-08	-2.93E-08	-1.05E-08	-1.06E-08
PLE	NO							
Indicator value	-1.80E-07	-1.80E-07	-1.80E-07	-2.00E-07	-3.20E-08	-3.20E-08	-1.30E-08	-1.30E-08

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Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

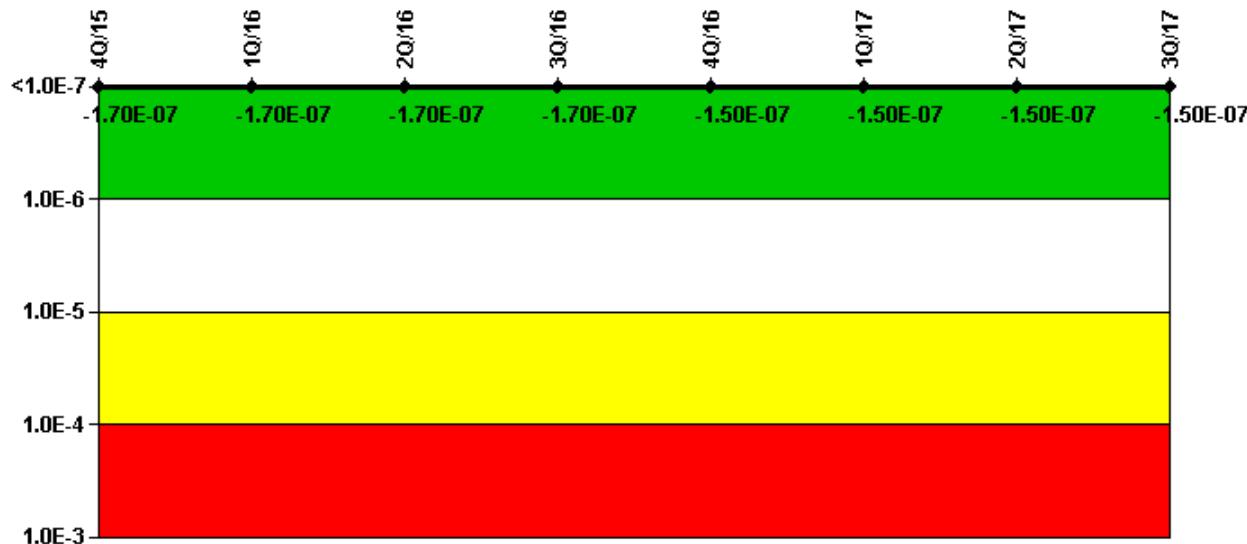
Mitigating Systems Performance Index, High Pressure Injection System

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (Δ CDF)	-2.41E-09	-2.41E-09	-2.41E-09	-2.41E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09
URI (Δ CDF)	-1.43E-08	-1.43E-08	-1.43E-08	-1.43E-08	-5.97E-09	-5.97E-09	-5.97E-09	-5.97E-09
PLE	NO							
Indicator value	-1.70E-08	-1.70E-08	-1.70E-08	-1.70E-08	-7.30E-09	-7.30E-09	-7.30E-09	-7.30E-09

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Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



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

Notes

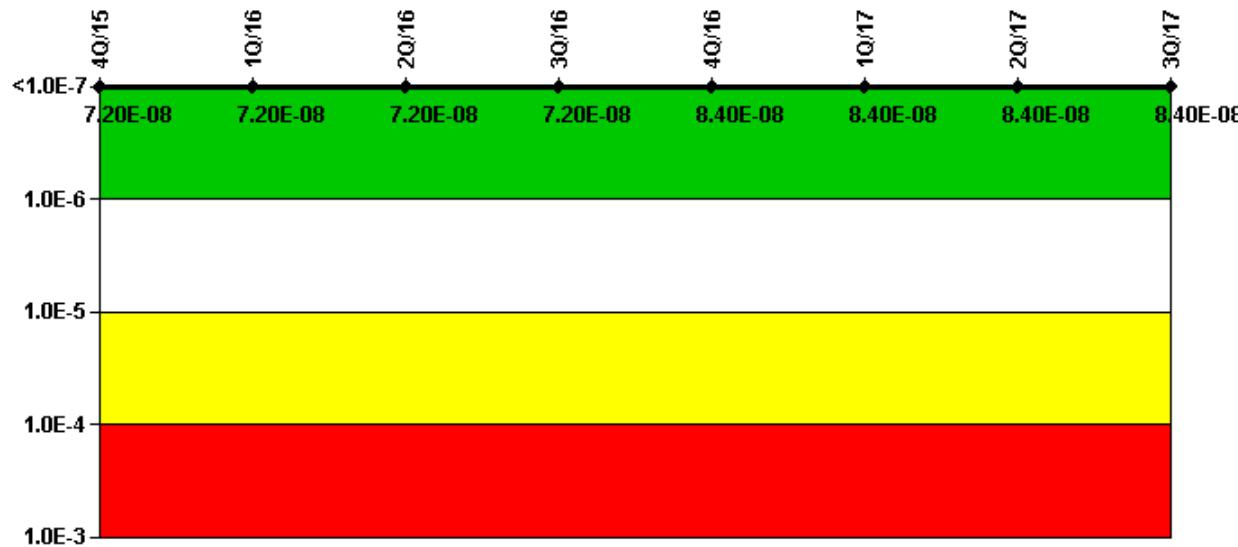
Mitigating Systems Performance Index, Heat Removal System

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (Δ CDF)	-1.79E-08	-1.77E-08	-1.84E-08	-1.85E-08	-1.64E-08	-1.64E-08	-1.64E-08	-1.64E-08
URI (Δ CDF)	-1.56E-07	-1.56E-07	-1.56E-07	-1.56E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07
PLE	NO							
Indicator value	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07

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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

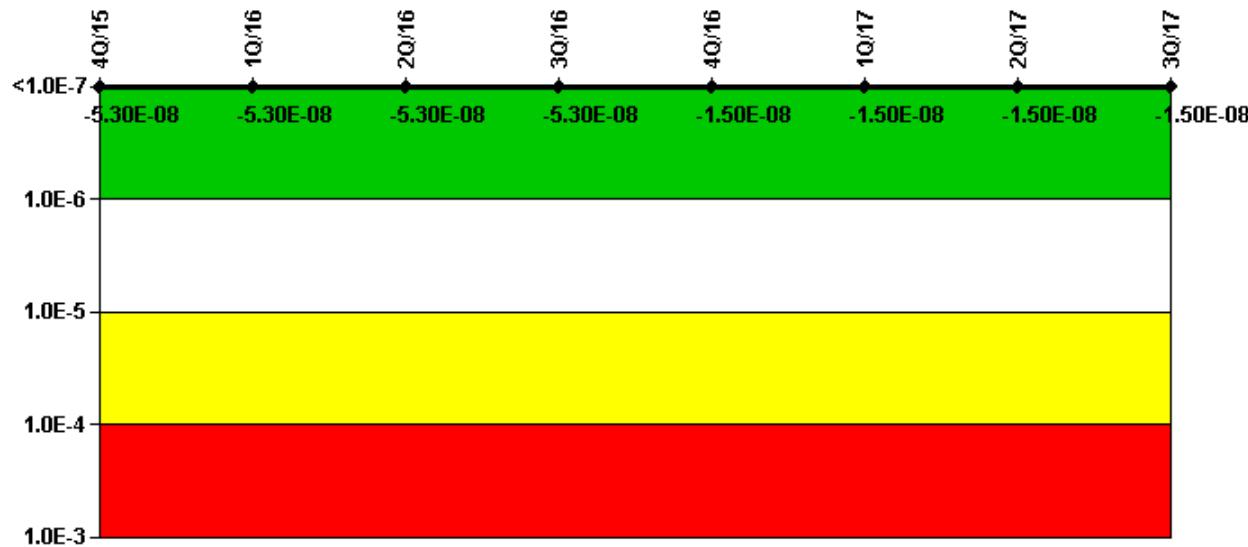
Mitigating Systems Performance Index, Residual Heat Removal System

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (Δ CDF)	-7.82E-09	-7.82E-09	-7.82E-09	-7.82E-09	-5.63E-09	-5.63E-09	-5.87E-09	-5.87E-09
URI (Δ CDF)	7.95E-08	7.95E-08	7.95E-08	7.95E-08	9.01E-08	9.01E-08	9.01E-08	9.01E-08
PLE	NO							
Indicator value	7.20E-08	7.20E-08	7.20E-08	7.20E-08	8.40E-08	8.40E-08	8.40E-08	8.40E-08

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Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

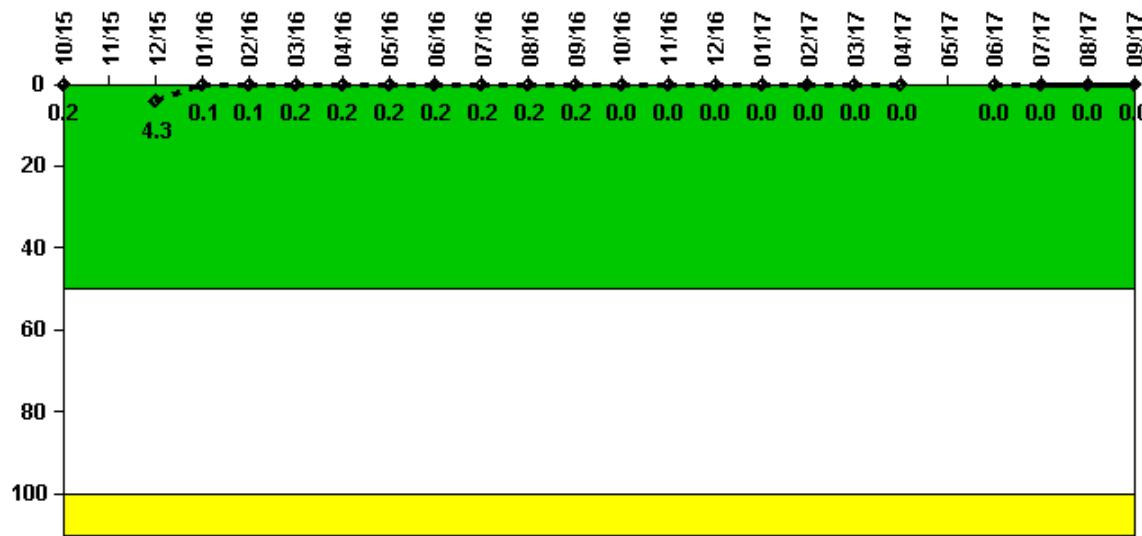
Mitigating Systems Performance Index, Cooling Water Systems

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (Δ CDF)	-6.95E-09	-6.95E-09	-6.95E-09	-6.95E-09	-2.34E-09	-2.34E-09	-2.34E-09	-2.34E-09
URI (Δ CDF)	-4.57E-08	-4.57E-08	-4.57E-08	-4.57E-08	-1.28E-08	-1.28E-08	-1.28E-08	-1.28E-08
PLE	NO							
Indicator value	-5.30E-08	-5.30E-08	-5.30E-08	-5.30E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08

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Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

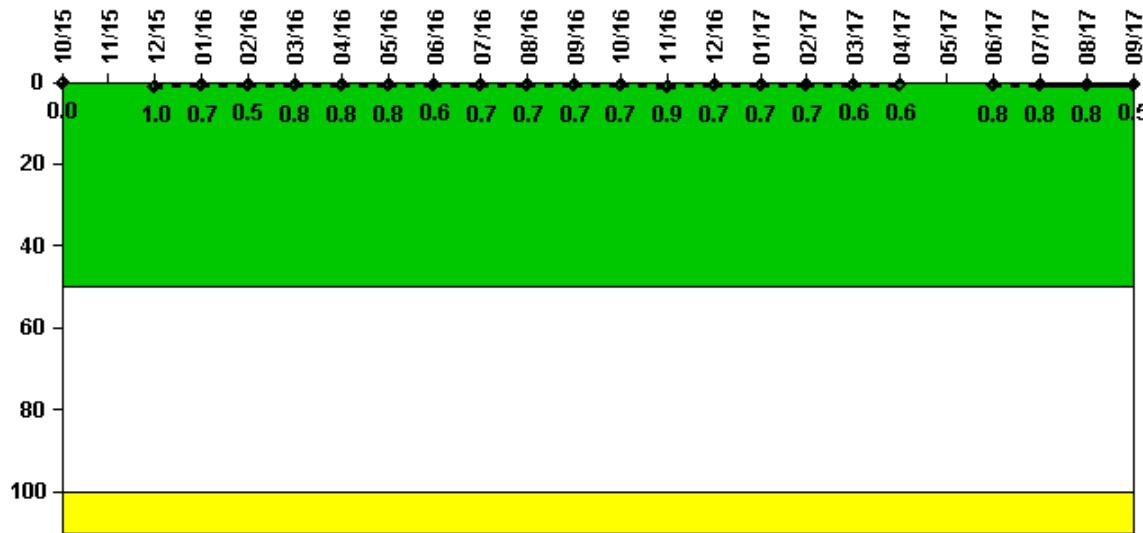
Notes

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	0.000104	N/A	0.002512	0.000083	0.000082	0.000147	0.000092	0.000089	0.000091	0.000103	0.000101	0.000102
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.2	N/A	4.3	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	0.000105	0.000106	0.000102	0.000102	0.000109	0.000114	0.000111	N/A	0.000056	0.000075	0.000080	0.000060
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	0	0	0	N/A	0	0	0	0

TOP

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum leakage				0	N/A	0.100	0.070	0.050	0.080	0.080	0.080	0.060
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

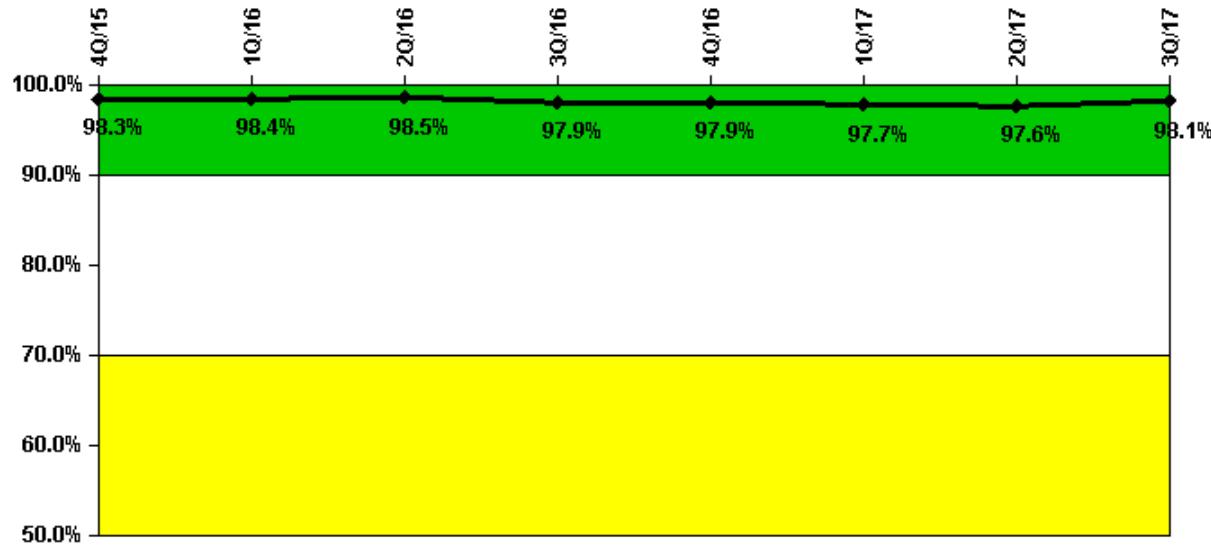
Indicator value	0	N/A	1.0	0.7	0.5	0.8	0.8	0.8	0.6	0.7	0.7	0.7
Reactor Coolant System Leakage	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Maximum leakage	0.070	0.090	0.070	0.070	0.070	0.060	0.060	N/A	0.080	0.080	0.080	0.050

Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
-------------------------------	------	------	------	------	------	------	------	------	------	------	------	------

Indicator value	0.7	0.9	0.7	0.7	0.7	0.6	0.6	N/A	0.8	0.8	0.8	0.5
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TOP

Licensee Comments: none

Drill/Exercise Performance

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

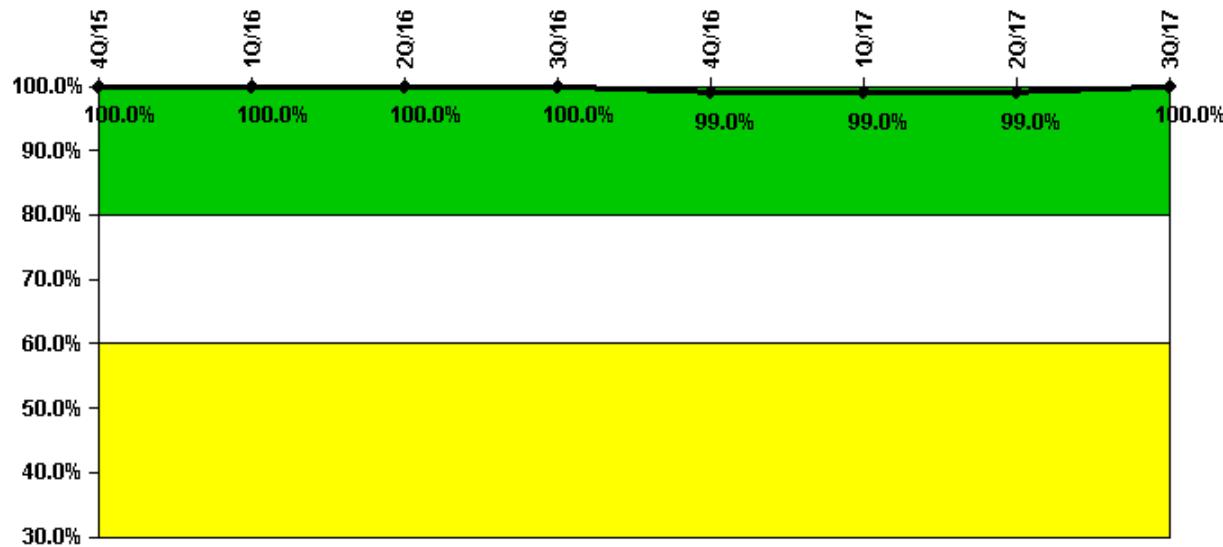
Successful opportunities 0 43.0 30.0 82.0 39.0 58.0 6.0 53.0

Total opportunities 0 43.0 30.0 84.0 40.0 59.0 6.0 55.0

Indicator value 98.3% 98.4% 98.5% 97.9% 97.9% 97.7% 97.6% 98.1%

▲ TOP

Licensee Comments: none

ERO Drill Participation

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

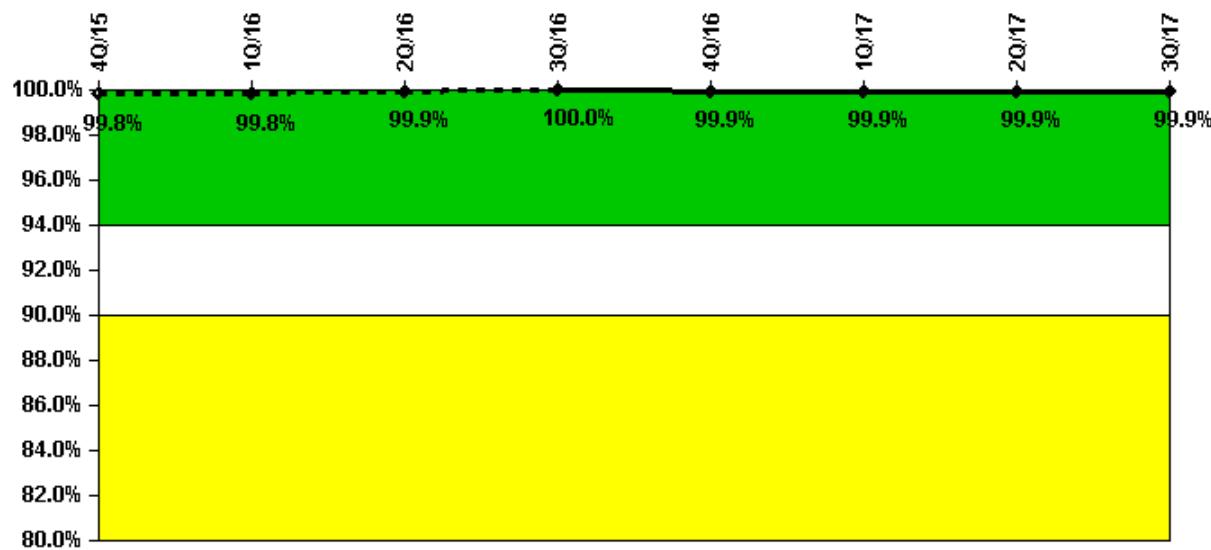
Participating Key personnel 83.0 87.0 94.0 95.0 100.0 103.0 101.0 90.0

Total Key personnel 83.0 87.0 94.0 95.0 101.0 104.0 102.0 90.0

Indicator value 100.0% 100.0% 100.0% 100.0% 99.0% 99.0% 99.0% 100.0%

▲ TOP

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes**Alert & Notification System 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17**

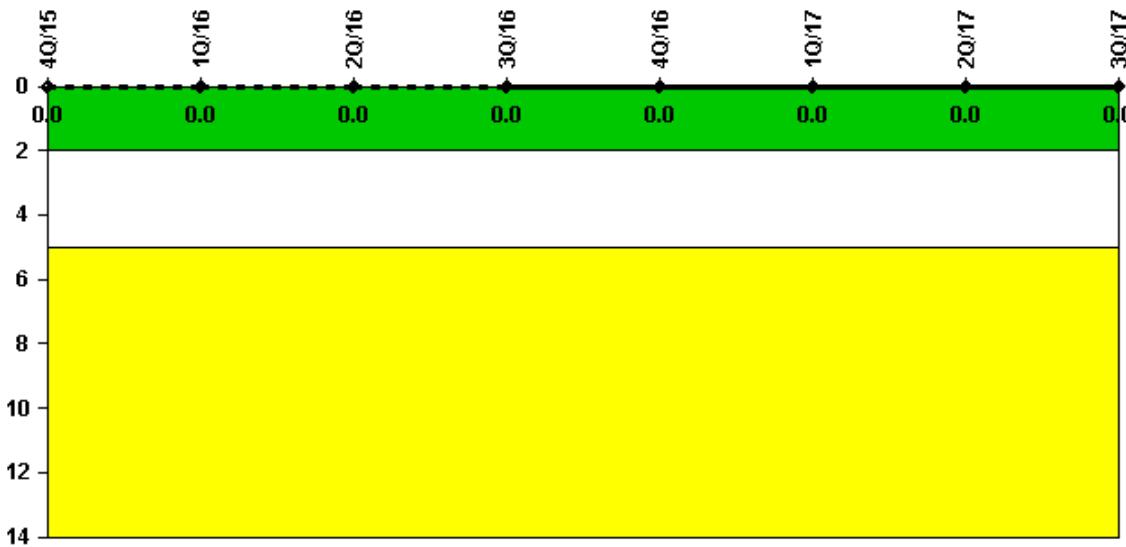
Successful siren-tests 862 763 872 763 761 762 872 763

Total sirens-tests 863 763 872 763 763 763 872 763

Indicator value 99.8% 99.8% 99.9% 100.0% 99.9% 99.9% 99.9% 99.9%



Licensee Comments: none

Occupational Exposure Control Effectiveness

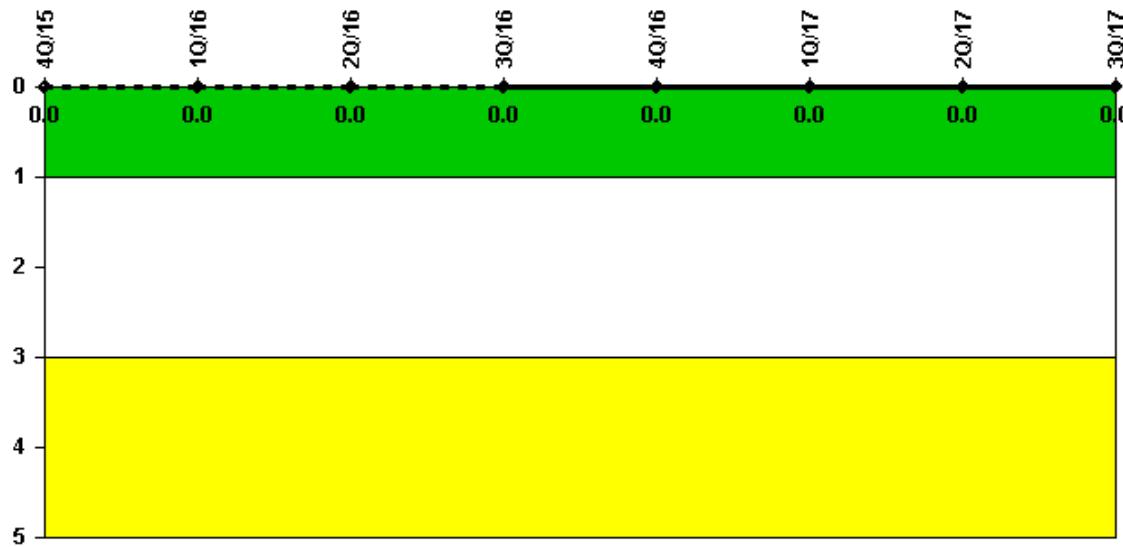
Thresholds: White > 2.0 Yellow > 5.0

Notes**Occupational Exposure Control Effectiveness**

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0							



Licensee Comments: none

RETS/ODCM Radiological Effluent

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



Home > Nuclear Reactors > Operating Reactors > Reactor Oversight Process > Plant Summaries > Summer > Quarterly Performance Indicators

Summer – Quarterly Performance Indicators

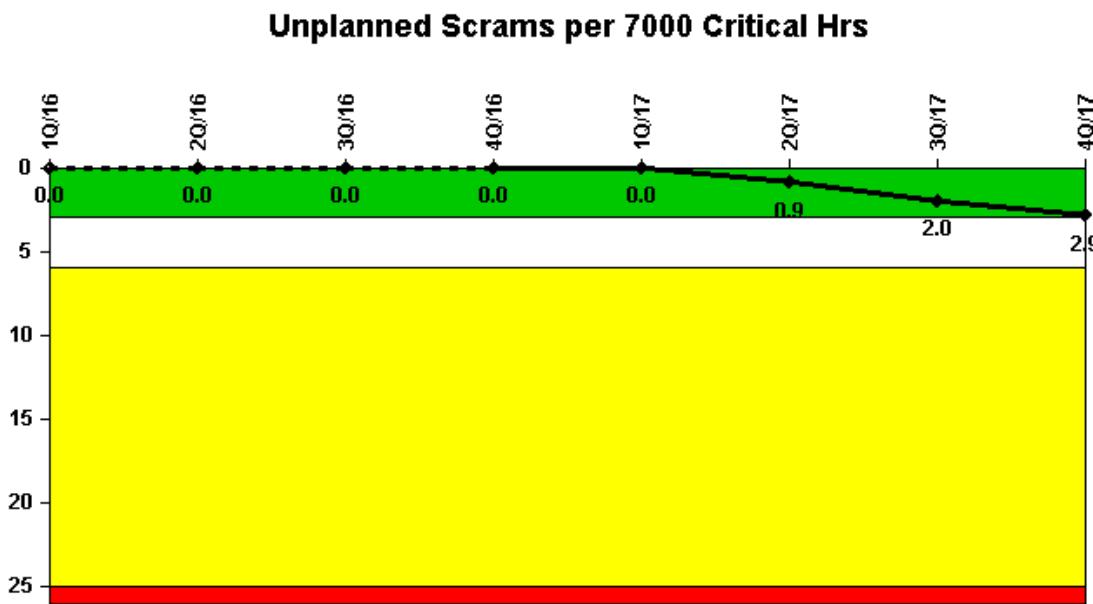
4Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

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



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

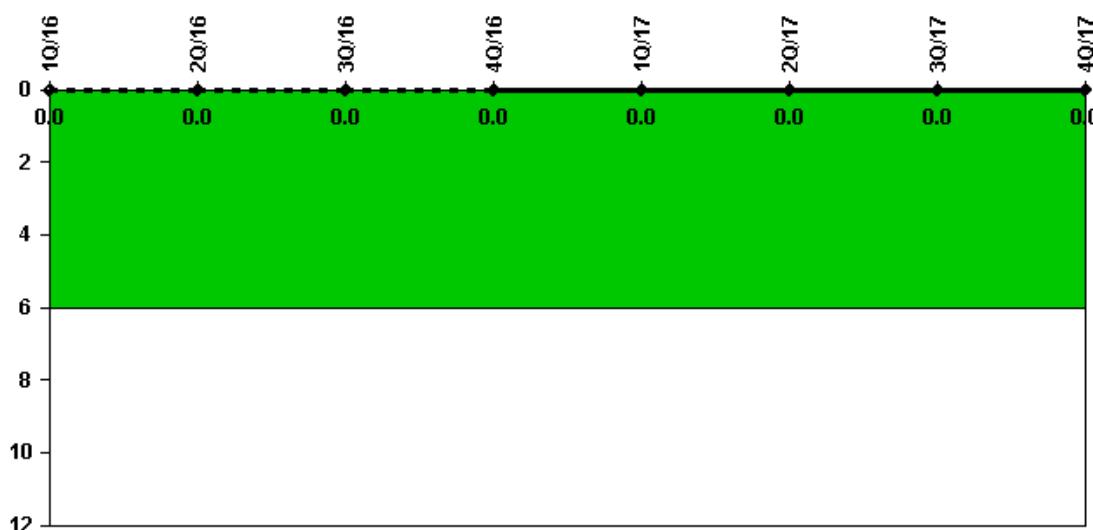
Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned scrams	0	0	0	0	0	1.0	1.0	1.0
Critical hours	2183.0	2184.0	2208.0	2209.0	2159.0	860.6	1950.5	2155.9

Indicator value



Licensee Comments: none



Thresholds: White > 6.0

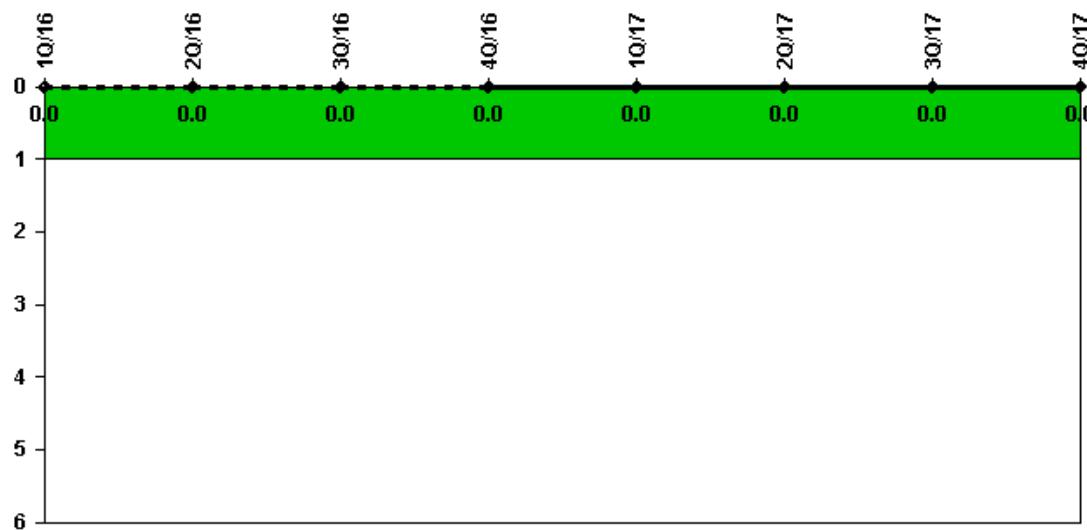
Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2183.0	2184.0	2208.0	2209.0	2159.0	860.6	1950.5	2155.9

Indicator value 0 0 0 0 0 0 0 0



Licensee Comments: none



Thresholds: White > 1.0

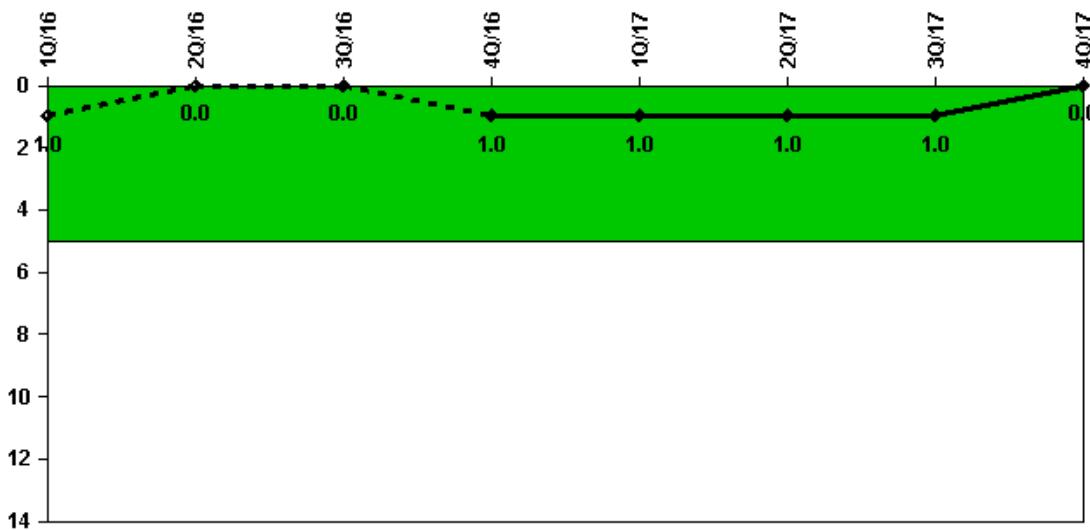
Notes

Unplanned Scrums with Complications 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17 4Q/17
Scrums with complications 0 0 0 0 0 0 0 0 0

Indicator value 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0



Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR) 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17 4Q/17
Safety System Functional Failures 0 0 0 1 0 0 0 0

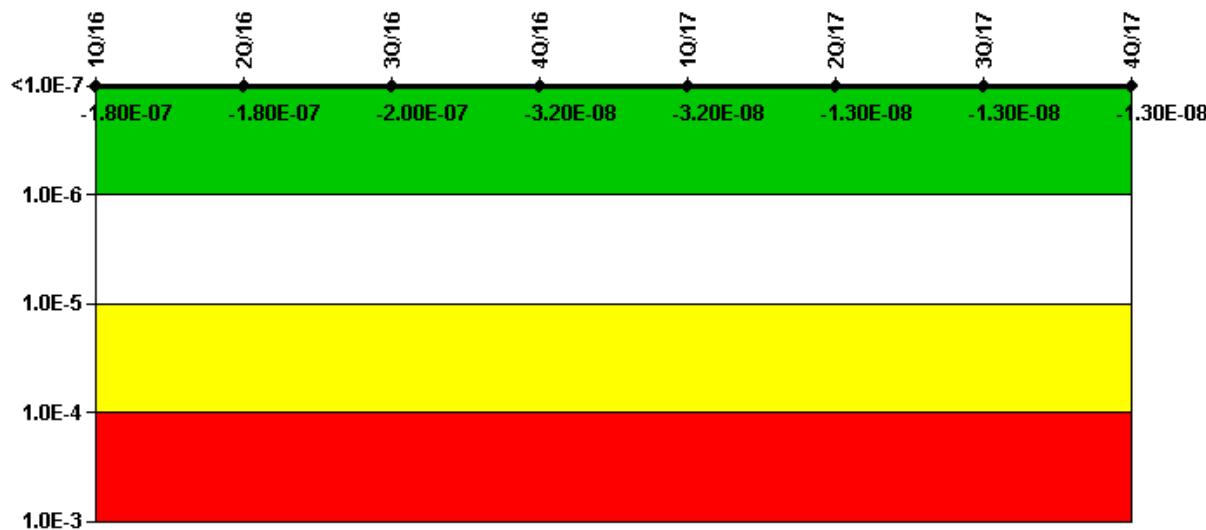
Indicator value 1 0 0 1 1 1 1 0

▲ TOP

Licensee Comments:

4Q/16: LER 2016-003, Steam Propagation Door Discovered Propped Open.

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

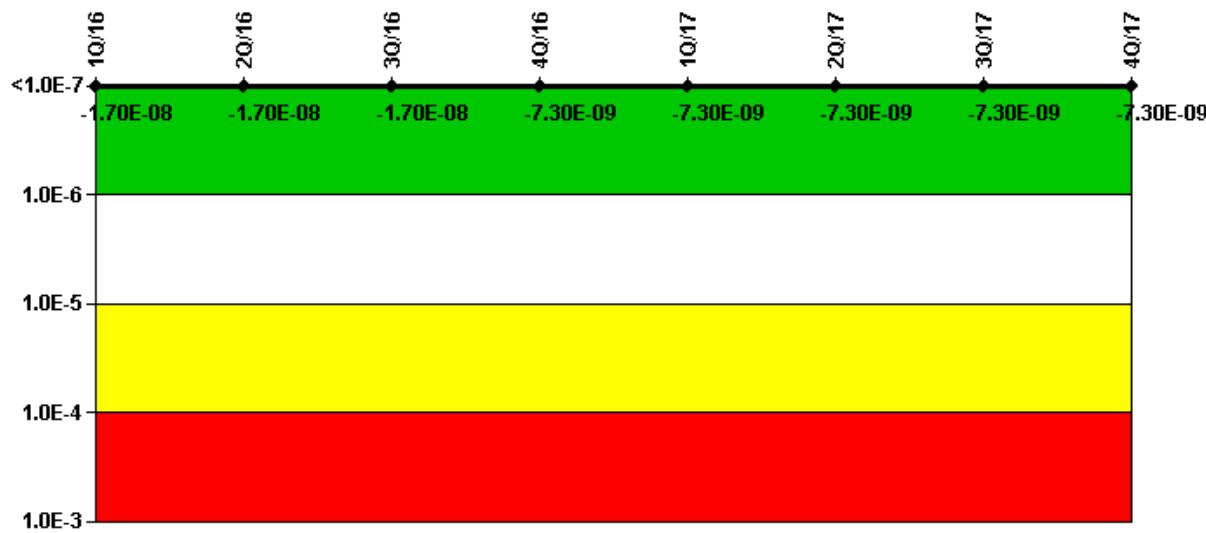
Mitigating Systems Performance Index, Emergency AC Power System

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (Δ CDF)	-2.22E-09	6.67E-10	-1.75E-08	-2.76E-09	-2.76E-09	-2.76E-09	-2.76E-09	-2.75E-09
URI (Δ CDF)	-1.78E-07	-1.78E-07	-1.78E-07	-2.93E-08	-2.93E-08	-1.05E-08	-1.06E-08	-1.06E-08
PLE	NO							
Indicator value	-1.80E-07	-1.80E-07	-2.00E-07	-3.20E-08	-3.20E-08	-1.30E-08	-1.30E-08	-1.30E-08

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Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

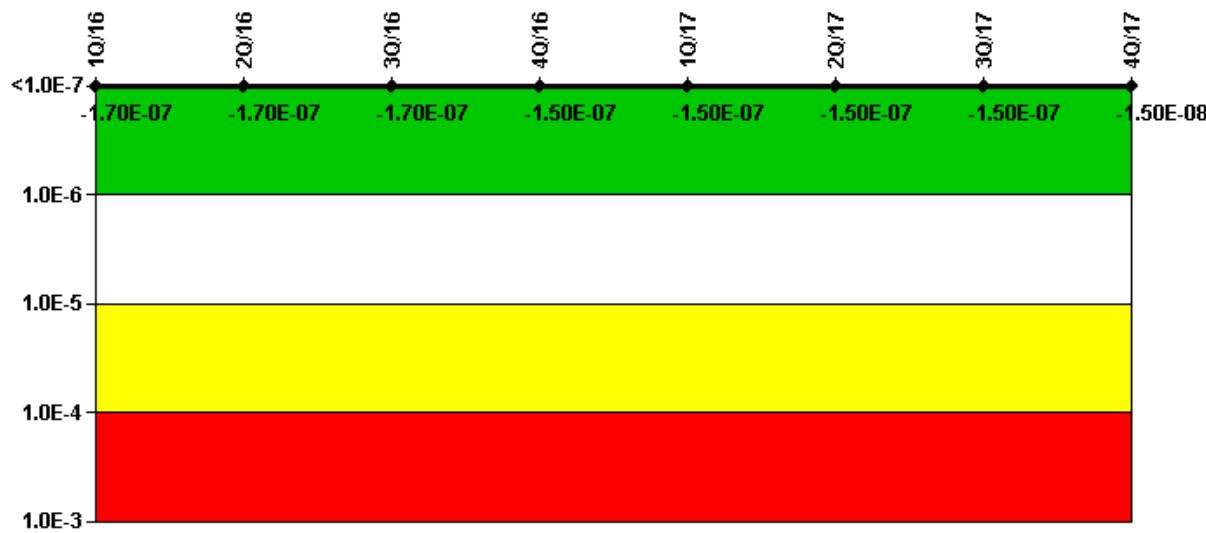
Mitigating Systems Performance Index, High Pressure Injection System

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (Δ CDF)	-2.41E-09	-2.41E-09	-2.41E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09	-1.38E-09
URI (Δ CDF)	-1.43E-08	-1.43E-08	-1.43E-08	-5.97E-09	-5.97E-09	-5.97E-09	-5.97E-09	-5.97E-09
PLE	NO							
Indicator value	-1.70E-08	-1.70E-08	-1.70E-08	-7.30E-09	-7.30E-09	-7.30E-09	-7.30E-09	-7.30E-09

▲ 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

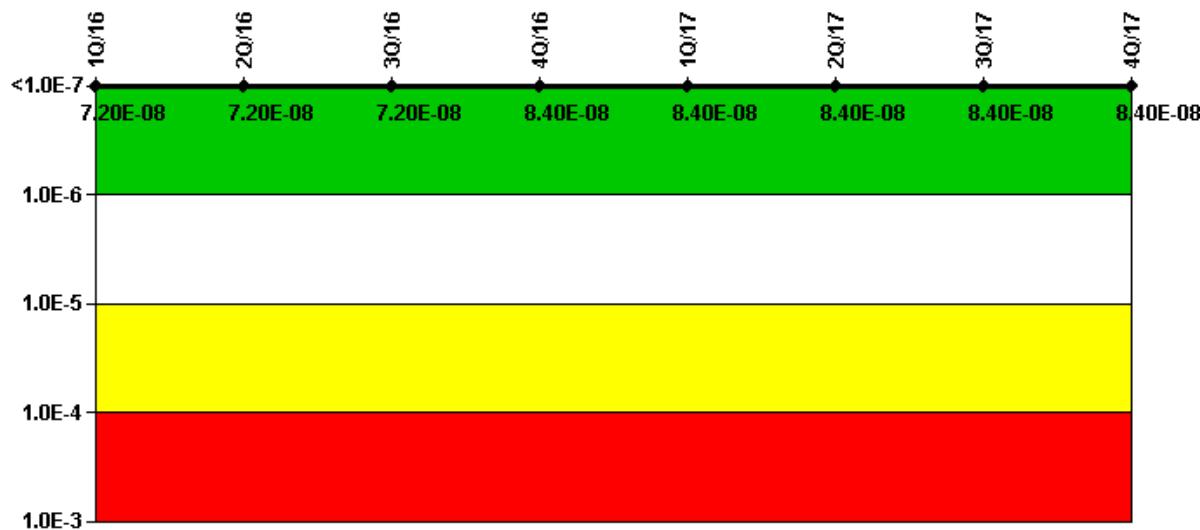
Mitigating Systems Performance Index, Heat Removal System

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (Δ CDF)	-1.77E-08	-1.84E-08	-1.85E-08	-1.64E-08	-1.64E-08	-1.64E-08	-1.64E-08	-1.62E-08
URI (Δ CDF)	-1.56E-07	-1.56E-07	-1.56E-07	-1.30E-07	-1.30E-07	-1.30E-07	-1.30E-07	7.36E-10
PLE	NO							
Indicator value	-1.70E-07	-1.70E-07	-1.70E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-07	-1.50E-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

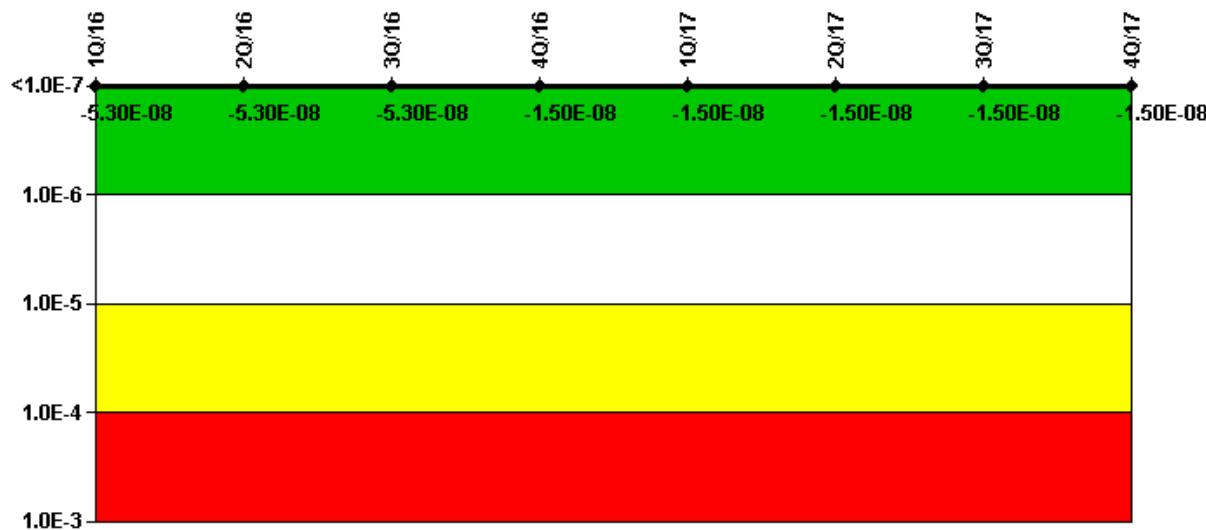
Mitigating Systems Performance Index, Residual Heat Removal System

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (Δ CDF)	-7.82E-09	-7.82E-09	-7.82E-09	-5.63E-09	-5.63E-09	-5.87E-09	-5.87E-09	-5.87E-09
URI (Δ CDF)	7.95E-08	7.95E-08	7.95E-08	9.01E-08	9.01E-08	9.01E-08	9.01E-08	9.01E-08
PLE	NO							
Indicator value	7.20E-08	7.20E-08	7.20E-08	8.40E-08	8.40E-08	8.40E-08	8.40E-08	8.40E-08

▲ TOP

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



Thresholds: White $> 1.00\text{E-}6$ Yellow $> 1.00\text{E-}5$ Red $> 1.00\text{E-}4$

Notes

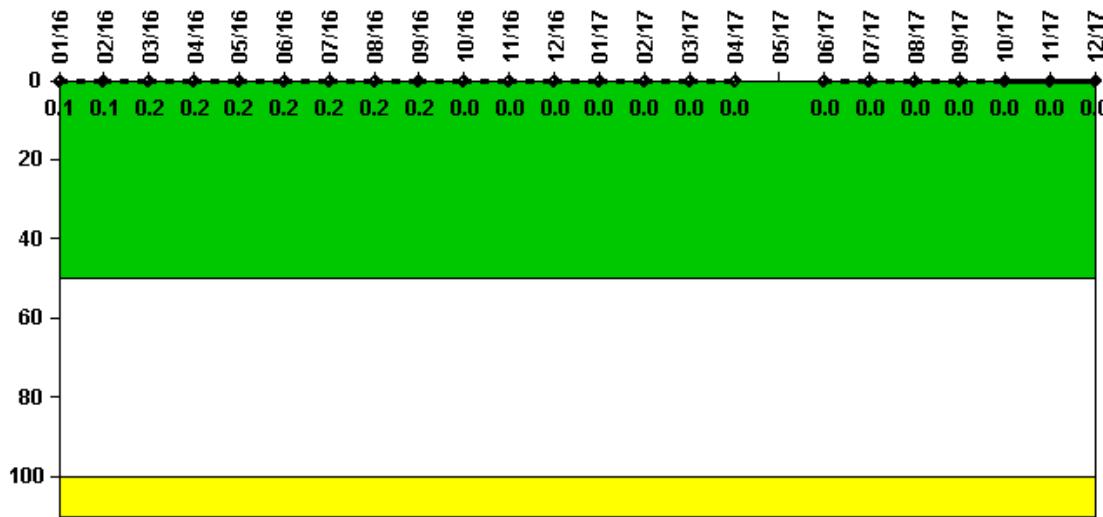
Mitigating Systems Performance Index, Cooling Water Systems

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-6.95E-09	-6.95E-09	-6.95E-09	-2.34E-09	-2.34E-09	-2.34E-09	-2.34E-09	-2.34E-09
URI (ΔCDF)	-4.57E-08	-4.57E-08	-4.57E-08	-1.28E-08	-1.28E-08	-1.28E-08	-1.28E-08	-1.28E-08
PLE	NO							
Indicator value	-5.30E-08	-5.30E-08	-5.30E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08



Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

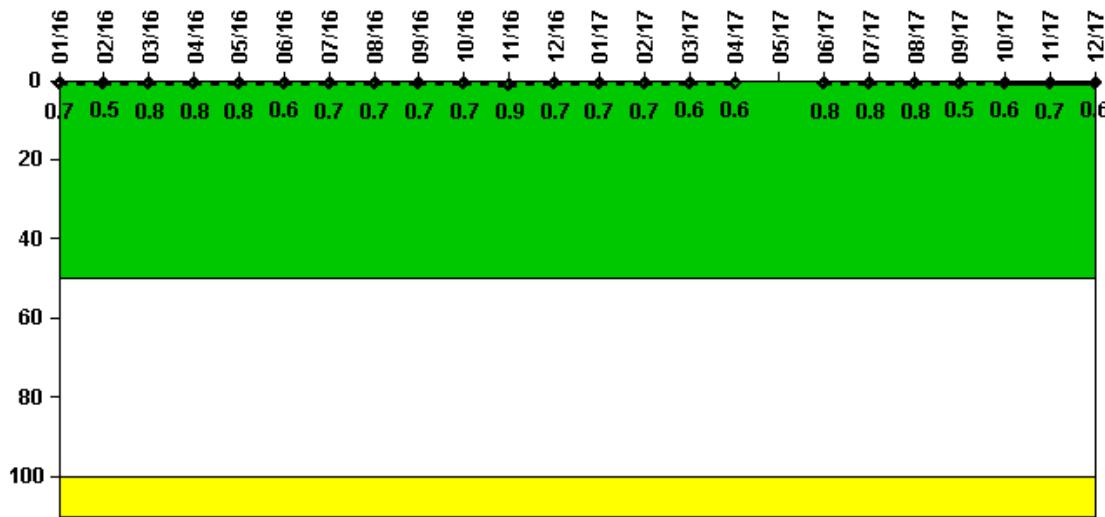
Notes

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	0.000083	0.000082	0.000147	0.000092	0.000089	0.000091	0.000103	0.000101	0.000102	0.000105	0.000106	0.000102
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.0	1.0
Indicator value	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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	0.000102	0.000109	0.000114	0.000111	N/A	0.000056	0.000075	0.000080	0.000060	0.000058	0.000063	0.000102
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	N/A	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 1/16 2/16 3/16 4/16 5/16 6/16 7/16 8/16 9/16 10/16 11/16 12/16

Maximum leakage 0.070 0.050 0.080 0.080 0.080 0.060 0.070 0.070 0.070 0.070 0.090 0.070

Technical specification limit 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

Indicator value 0.7 0.5 0.8 0.8 0.8 0.6 0.7 0.7 0.7 0.7 0.9 0.7

Reactor Coolant System Leakage 1/17 2/17 3/17 4/17 5/17 6/17 7/17 8/17 9/17 10/17 11/17 12/17

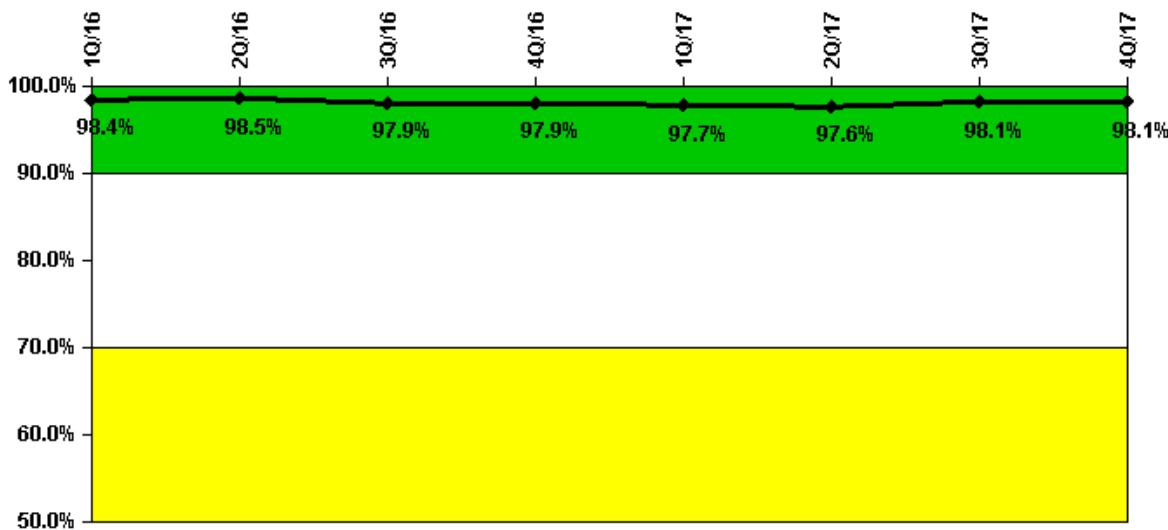
Maximum leakage 0.070 0.070 0.060 0.060 N/A 0.080 0.080 0.080 0.050 0.060 0.070 0.060

Technical specification limit 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

Indicator value 0.7 0.7 0.6 0.6 N/A 0.8 0.8 0.8 0.5 0.6 0.7 0.6

TOP

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

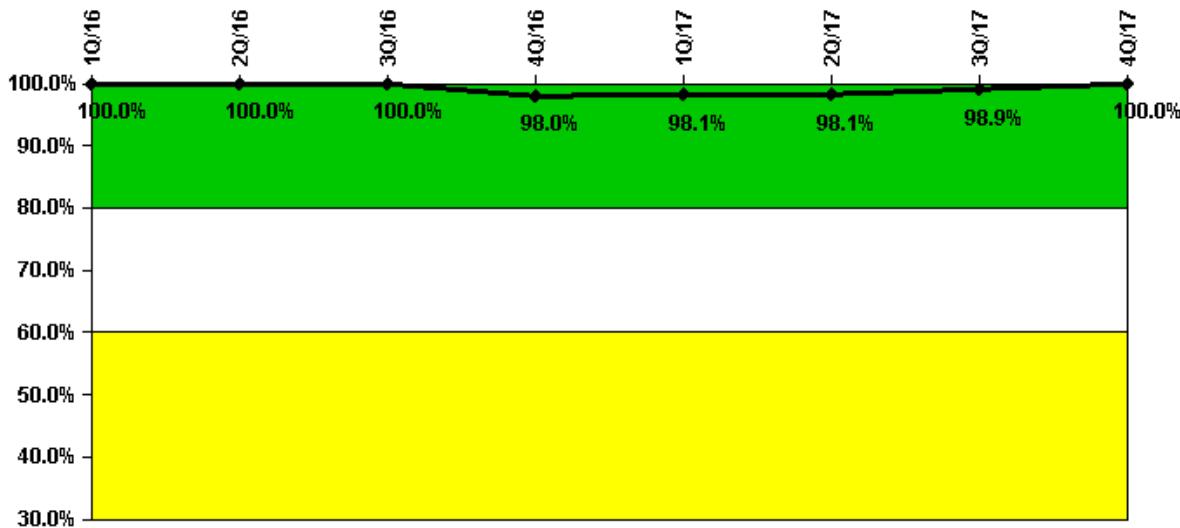
Drill/Exercise Performance	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful opportunities	43.0	30.0	82.0	39.0	58.0	6.0	53.0	50.0
Total opportunities	43.0	30.0	84.0	40.0	59.0	6.0	55.0	51.0

Indicator value **98.4% 98.5% 97.9% 97.9% 97.7% 97.6% 98.1% 98.1%**

TOP

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

Notes

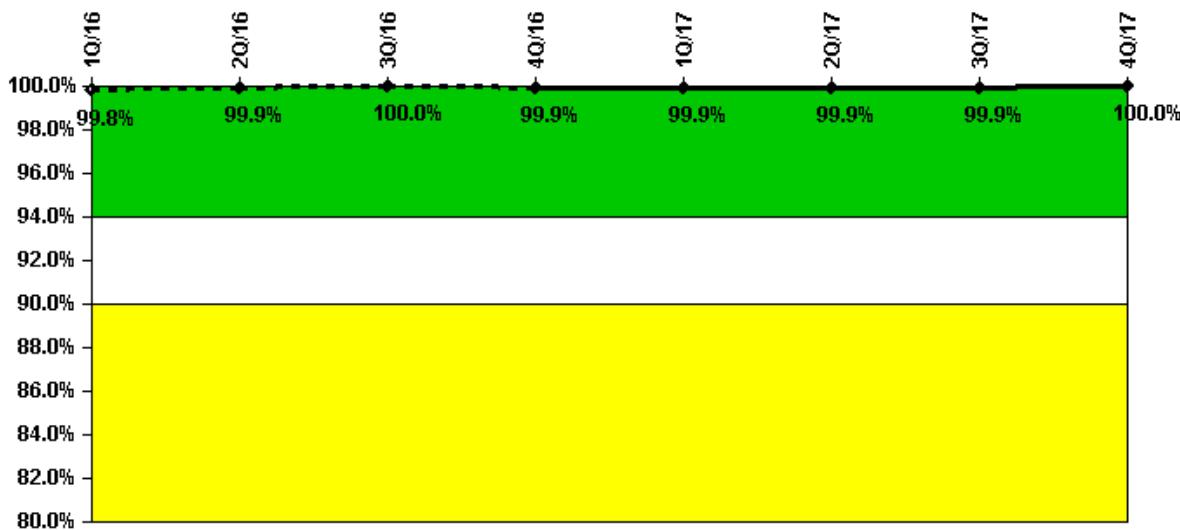
ERO Drill Participation	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Participating Key personnel	87.0	94.0	95.0	100.0	103.0	101.0	90.0	80.0
Total Key personnel	87.0	94.0	95.0	102.0	105.0	103.0	91.0	80.0

Indicator value 100.0% 100.0% 100.0% 98.0% 98.1% 98.1% 98.9% 100.0%

TOP

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

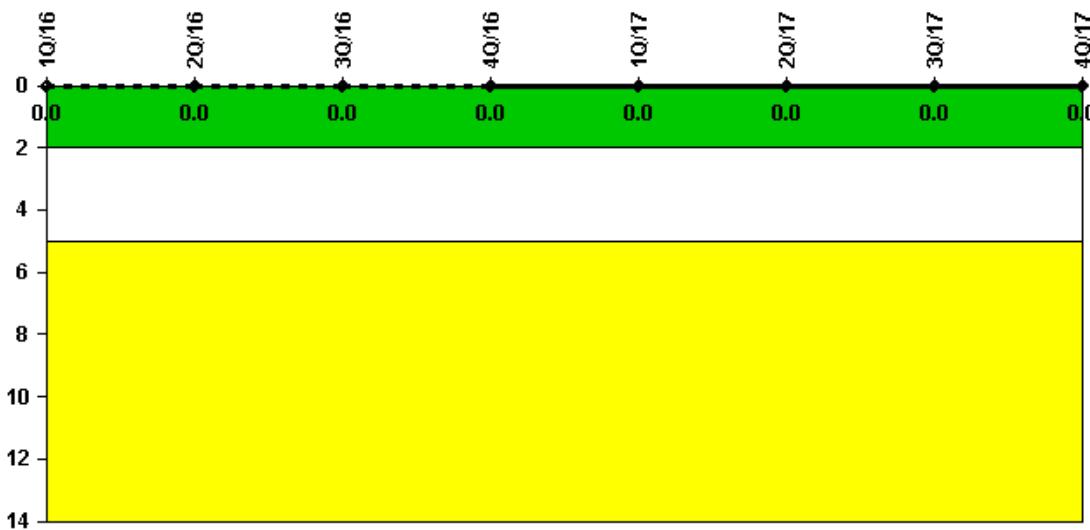
Notes

Alert & Notification System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful siren-tests	763	872	763	761	762	872	763	872
Total sirens-tests	763	872	763	763	763	872	763	872

Indicator value 99.8% 99.9% 100.0% 99.9% 99.9% 99.9% 99.9% 100.0%

TOP

Licensee Comments: none

Occupational Exposure Control Effectiveness

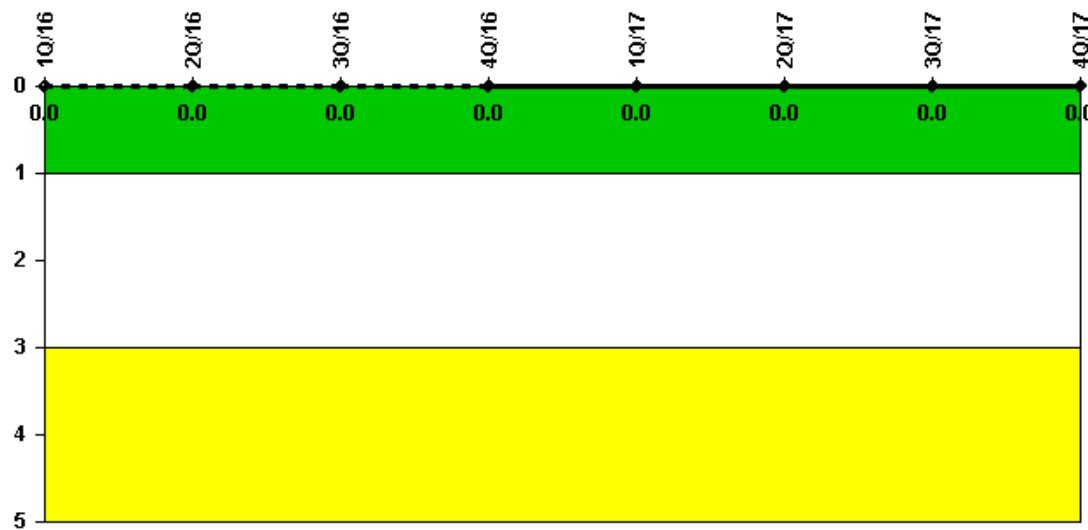
Thresholds: White > 2.0 Yellow > 5.0

Notes**Occupational Exposure Control Effectiveness** 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17 4Q/17

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

▲ TOP

Licensee Comments: none

RETS/ODCM Radiological Effluent

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