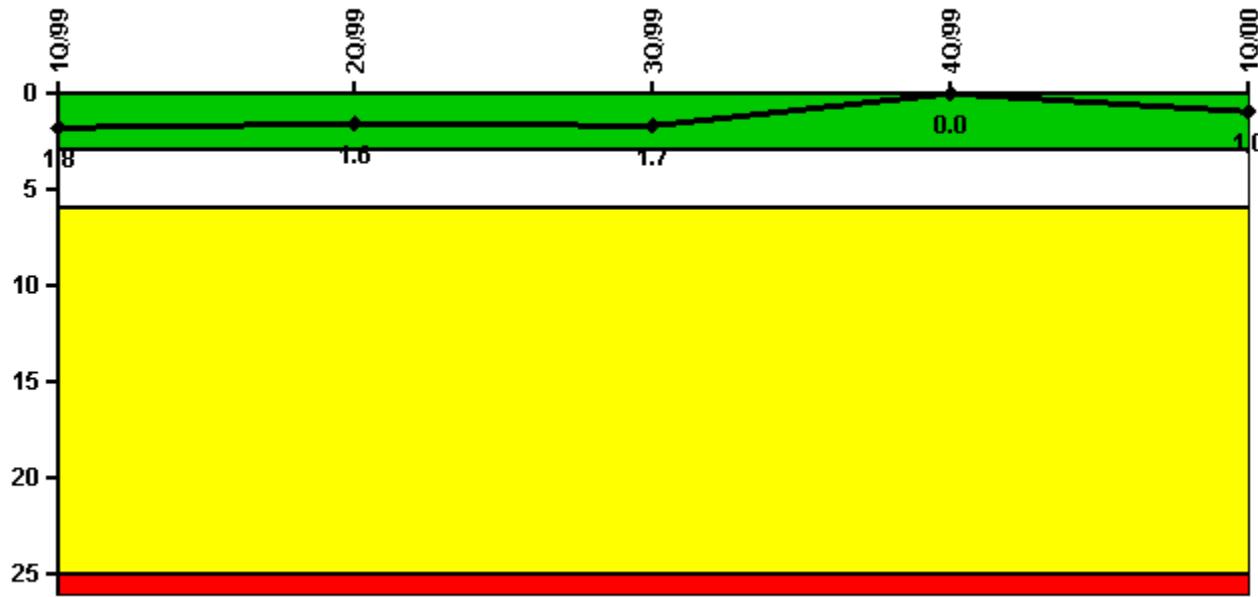


Arkansas Nuclear 1**1Q/2000 Performance Indicators**

Licensee's General Comments: none

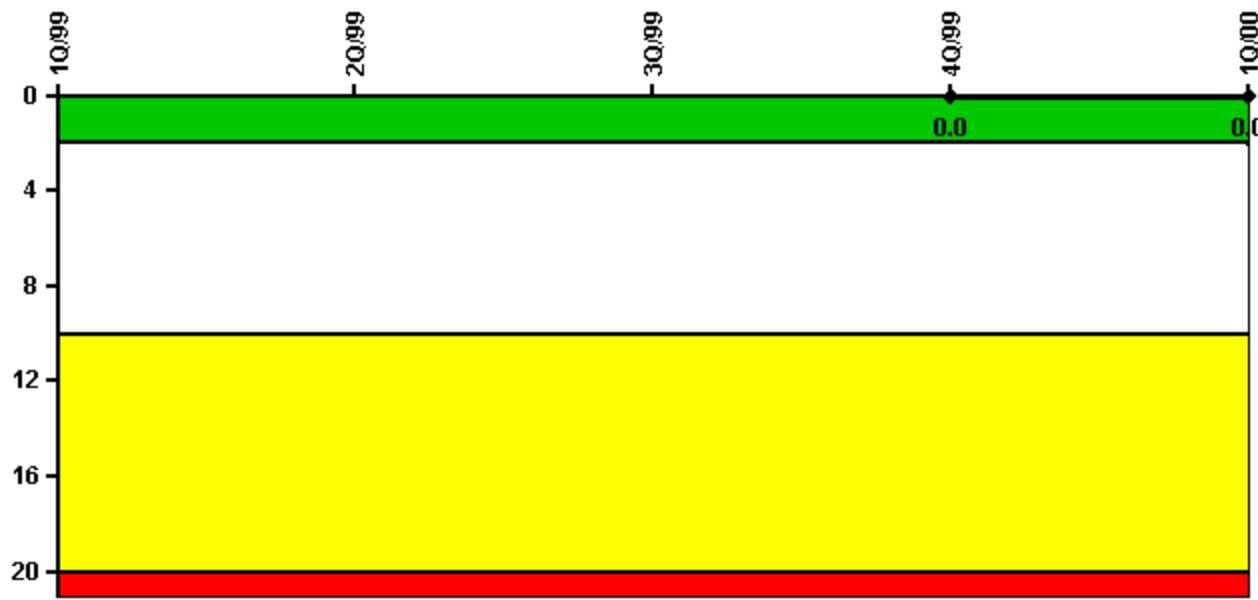
Unplanned Scrams per 7000 Critical Hrs

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	0	0	0	1.0
Critical hours	2046.1	2183.0	1728.9	2004.8	1186.3
Indicator value	1.8	1.6	1.7	0	1.0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

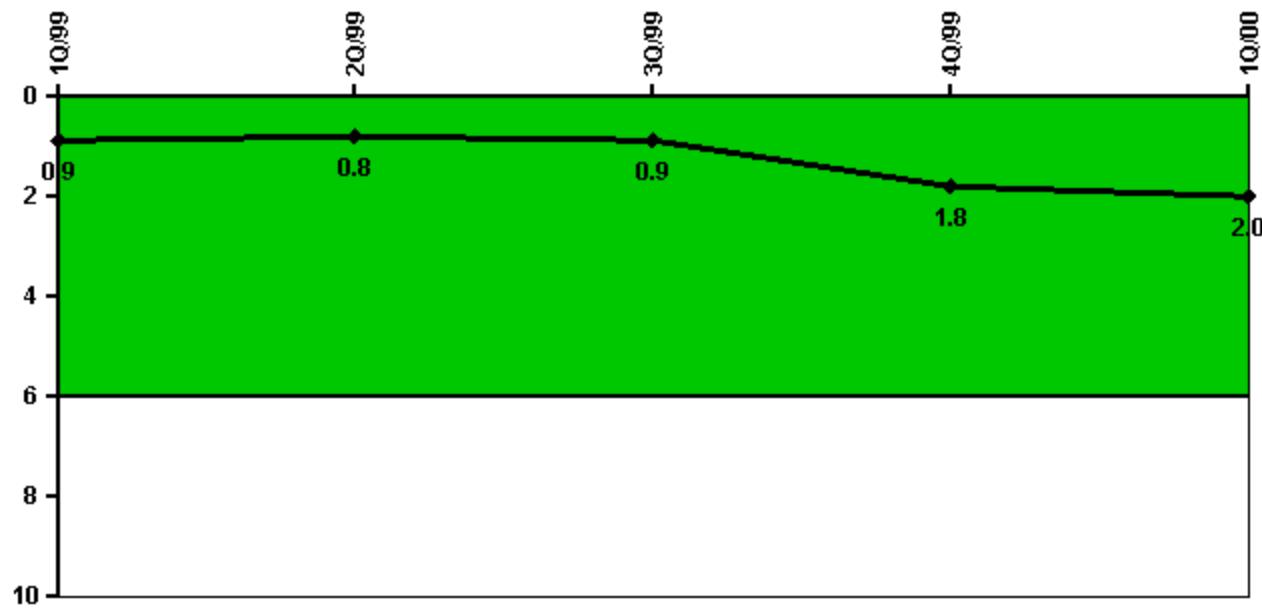
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments:

4Q/98: The scram with loss of heat removal event that was originally reported for 4Q/1998 has been rescinded after subsequent internal review. The scram that occurred on 12/25/98 included a "partial loss" of condenser vacuum and was conservatively reported as a loss of heat removal event. After reviewing NEI 99-02 Rev. 0 and recent FAQ's, an internal review concluded that this event did not meet the definitions for "loss of normal heat removal." This change did not result in a threshold color change.

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	0	0	1.0	1.0
Critical hours	2046.1	2183.0	1728.9	2004.8	1186.3
Indicator value	0.9	0.8	0.9	1.8	2.0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



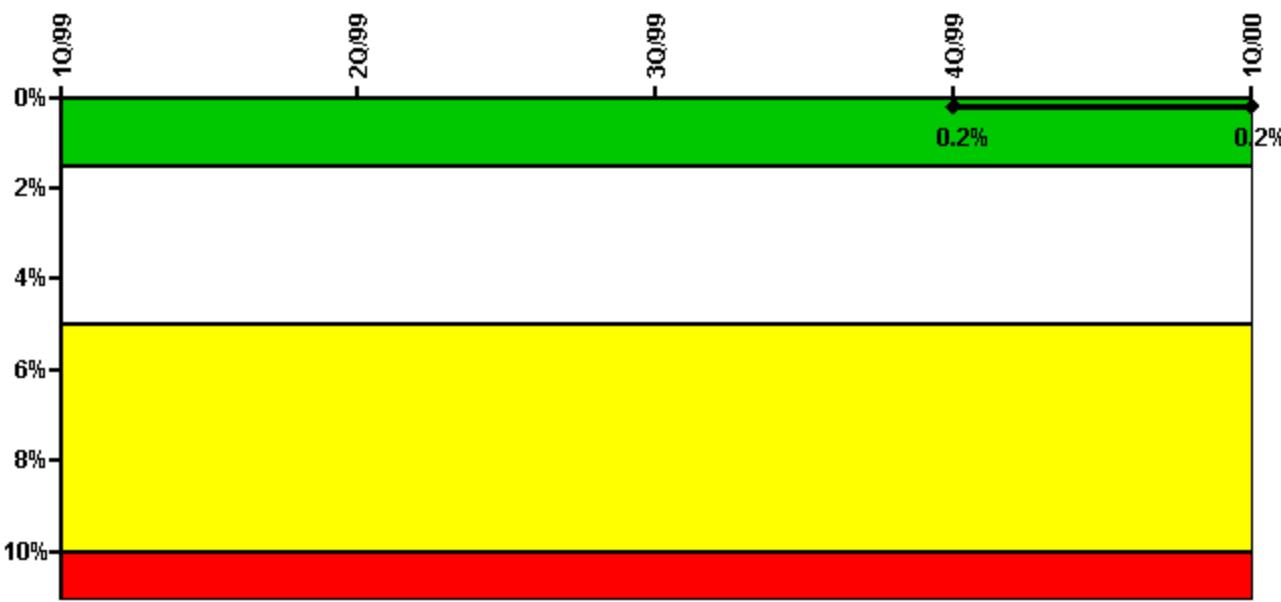
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	0	73.00	0	0	0.83
Unplanned unavailable hours	0	14.00	1.00	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	1774.00	2041.00	2184.00
Train 2					
Planned unavailable hours	0	50.00	5.50	0	0.80
Unplanned unavailable hours	0	0	178.80	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	1774.00	2041.00	2184.00
Indicator value				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)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	9.25	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2046.10	2183.00	1913.00	2033.00	1326.40
Train 2					
Planned unavailable hours	0	10.00	9.00	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2046.10	2183.00	1913.00	2033.00	1326.40
Indicator value				0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



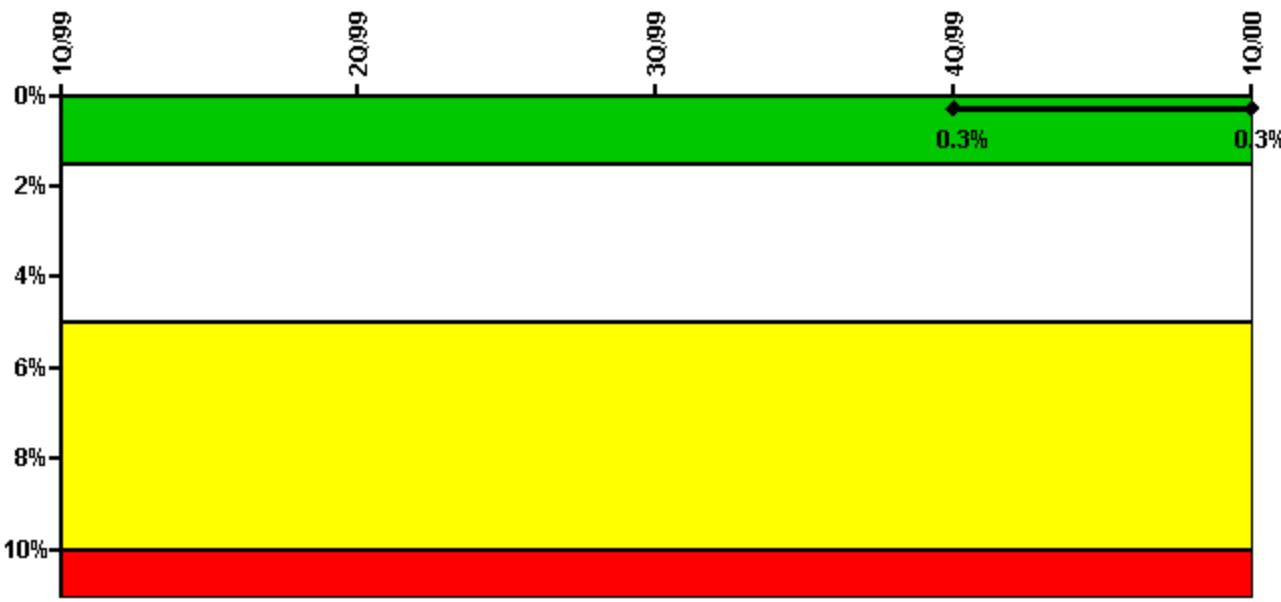
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	0	0	0	12.23	12.50
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	2046.10	2183.00	1780.50	2001.10	1328.00
Train 2					
Planned unavailable hours	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2046.10	2183.00	1780.50	2001.10	1431.70
Indicator value				0.1%	0.1%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



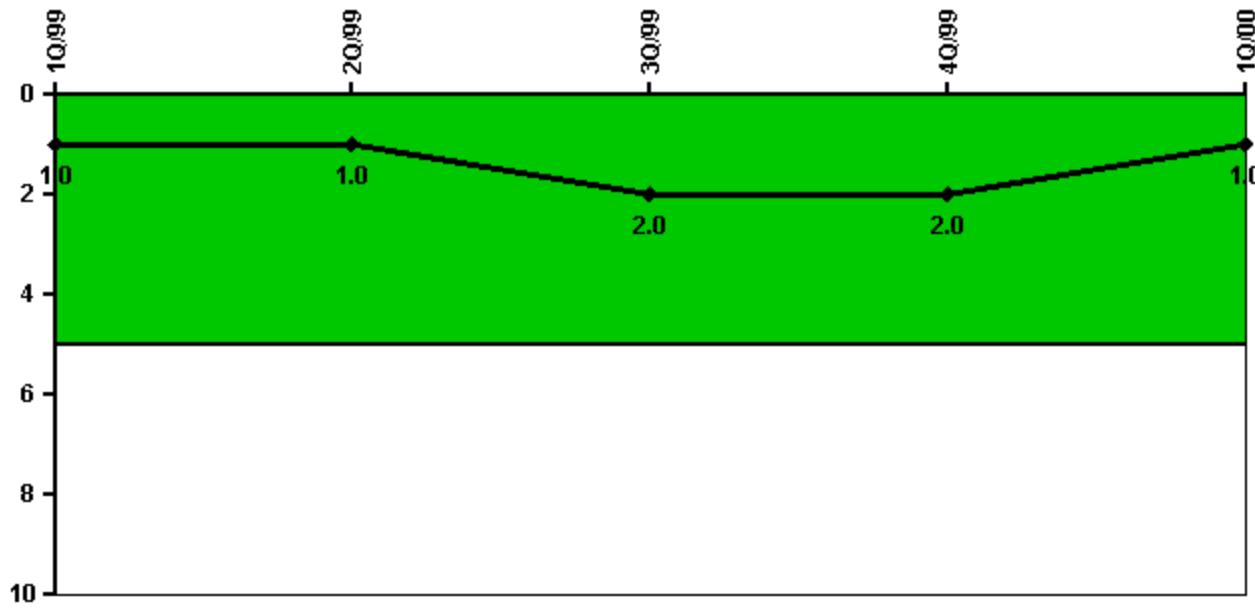
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	0	12.00	0	0	15.10
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2064.00	2112.00	2209.00	2184.00
Train 2					
Planned unavailable hours	11.00	0	16.30	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2064.00	2112.00	2209.00	2184.00
Indicator value				0.3%	0.3%

Licensee Comments:

1Q/00: A design deficiency was identified on the Decay Heat Pumps. The significance of the deficiency is being addressed by the NRC inspection process.

Safety System Functional Failures (PWR)

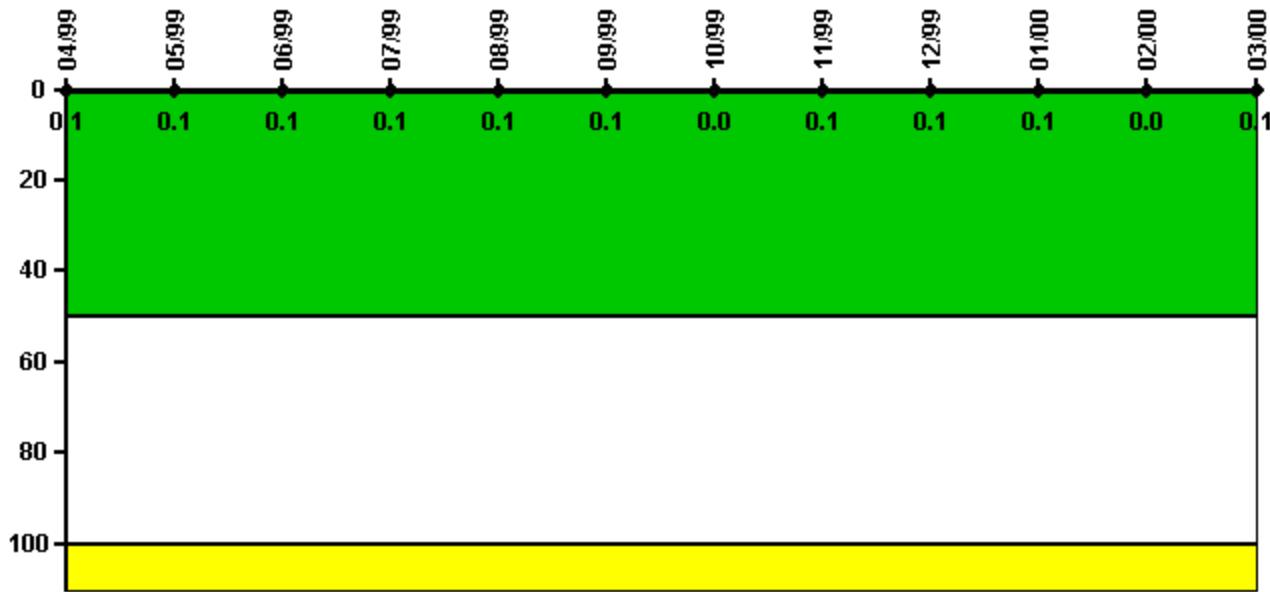
Thresholds: White > 5.0

Notes

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

Licensee Comments:

1Q/00: The March 2000 SSFF previously reported for Decay Heat Removal Pumps has been rescinded. A Licensee Event Report supplement has been submitted which formally documents the operability of the Decay Heat Pumps. The SSFF value for March 2000 has been changed from 1 to zero. This change did not affect the performance indicator color.

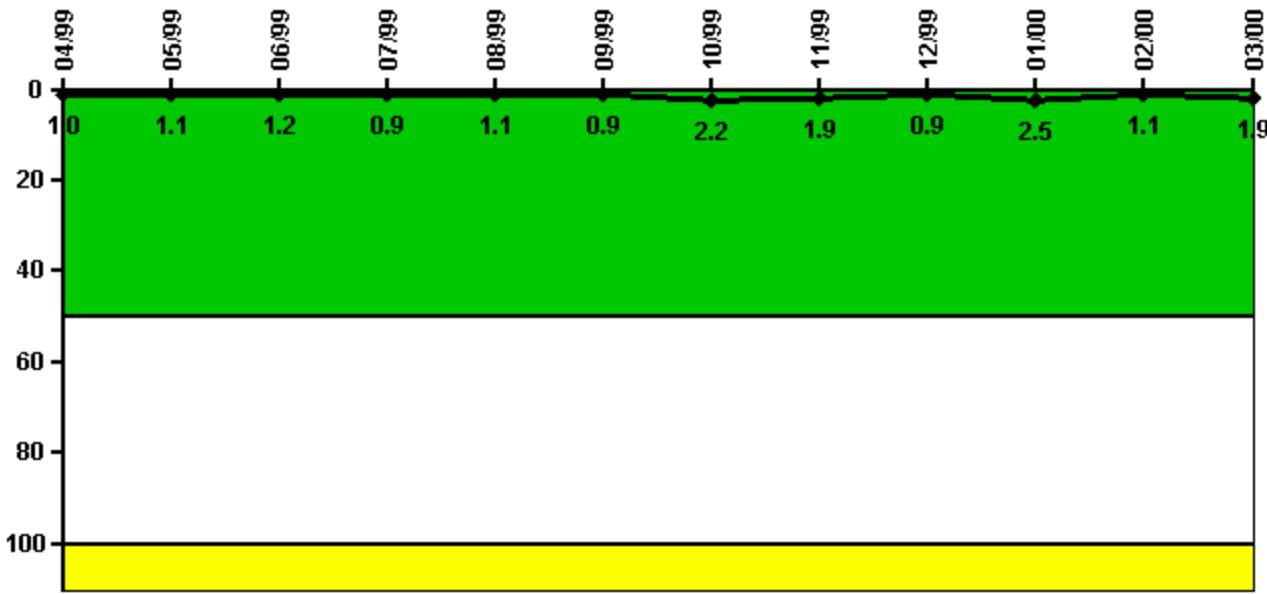
Reactor Coolant System Activity

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	0.003790	0.004380	0.004250	0.004700	0.004600	0.004400	0.001710	0.001770	0.001900	0.001910	0.001440	0.002030
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0.1

Licensee Comments: none

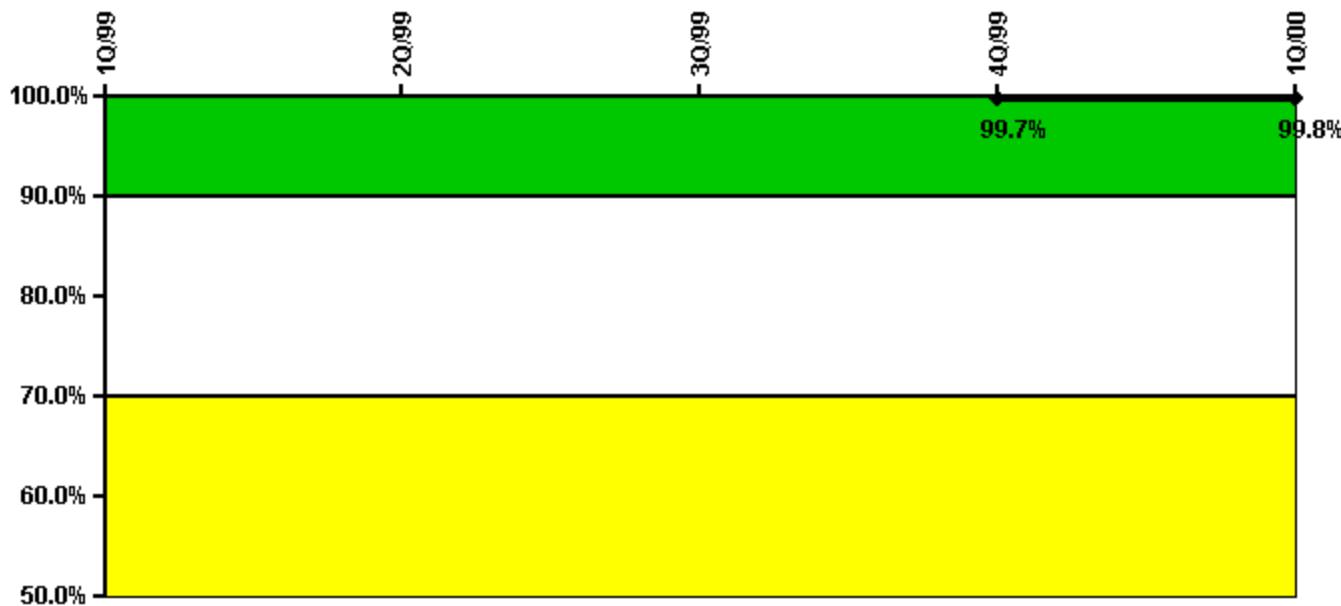
Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum leakage	0.101	0.107	0.115	0.089	0.106	0.086	0.221	0.188	0.089	0.250	0.110	0.190
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	1.2	0.9	1.1	0.9	2.2	1.9	0.9	2.5	1.1	1.9

Licensee Comments: none

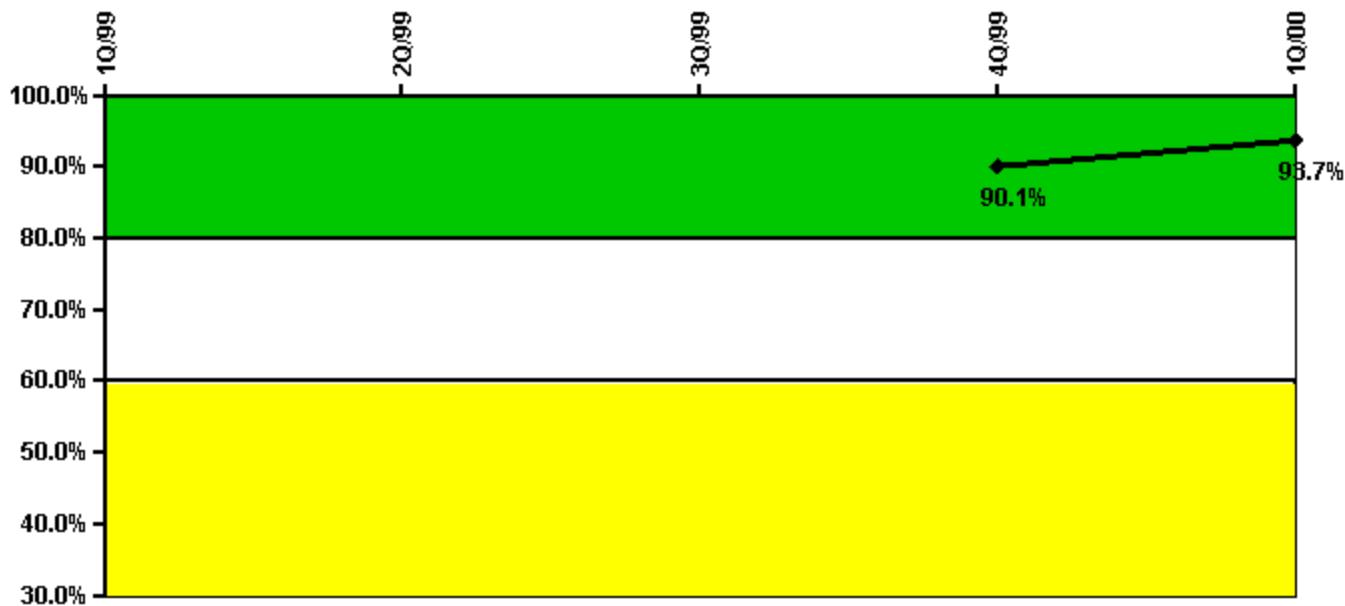
Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful opportunities	27.0	81.0	67.0	35.0	96.0
Total opportunities	27.0	82.0	67.0	35.0	96.0
Indicator value				99.7%	99.8%

Licensee Comments: none

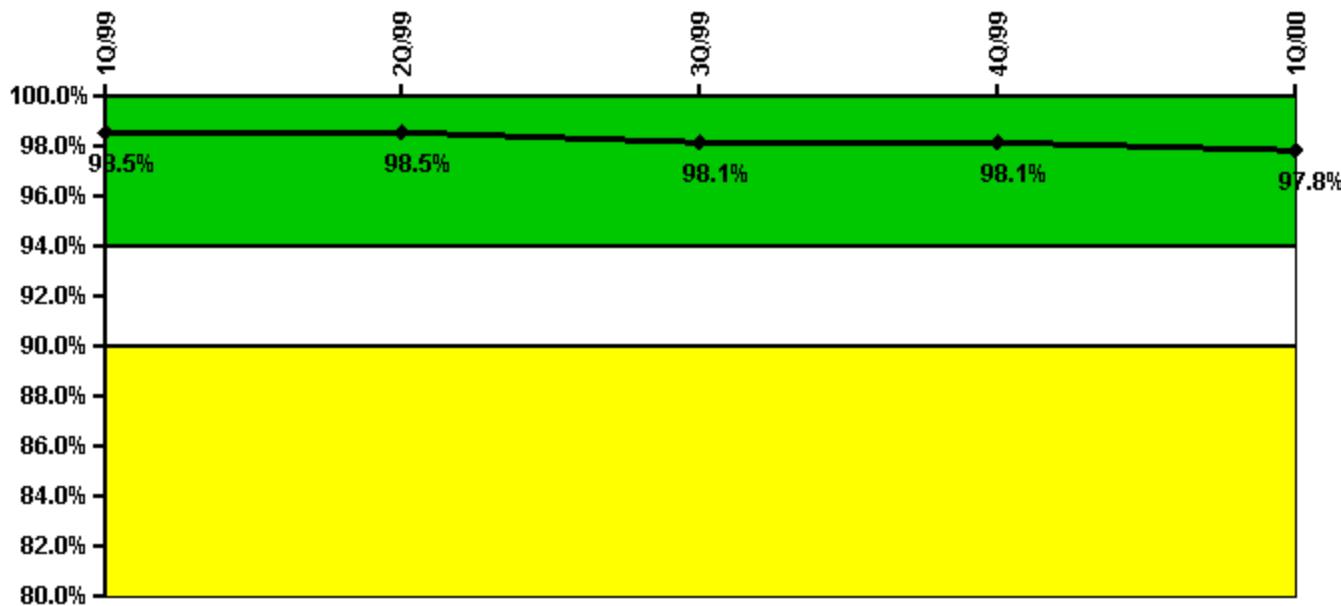
ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Participating Key personnel				109.0	118.0
Total Key personnel				121.0	126.0
Indicator value				90.1%	93.7%

Licensee Comments: none

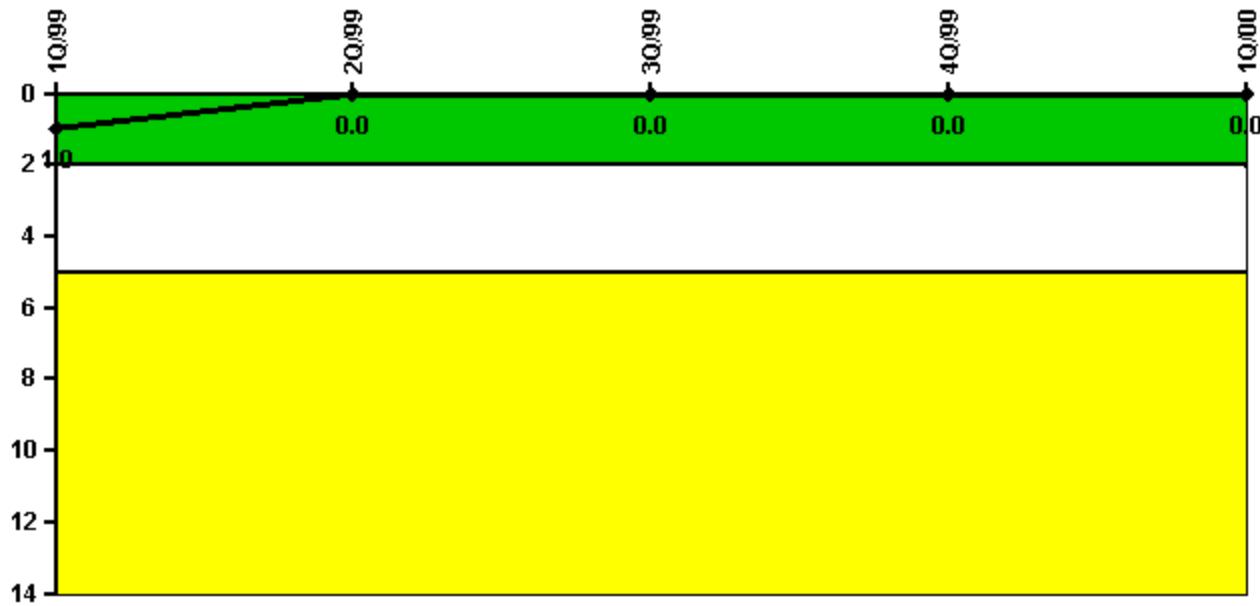
Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful siren-tests	146	145	143	143	144
Total sirens-tests	147	147	147	147	147
Indicator value	98.5%	98.5%	98.1%	98.1%	97.8%

Licensee Comments: none

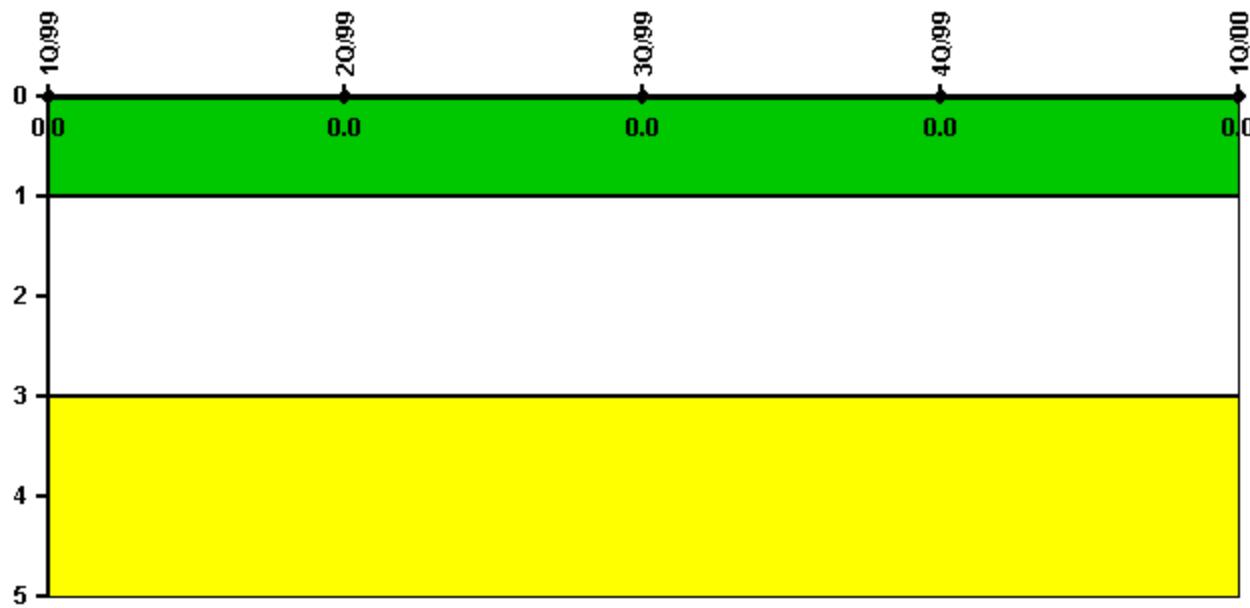
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

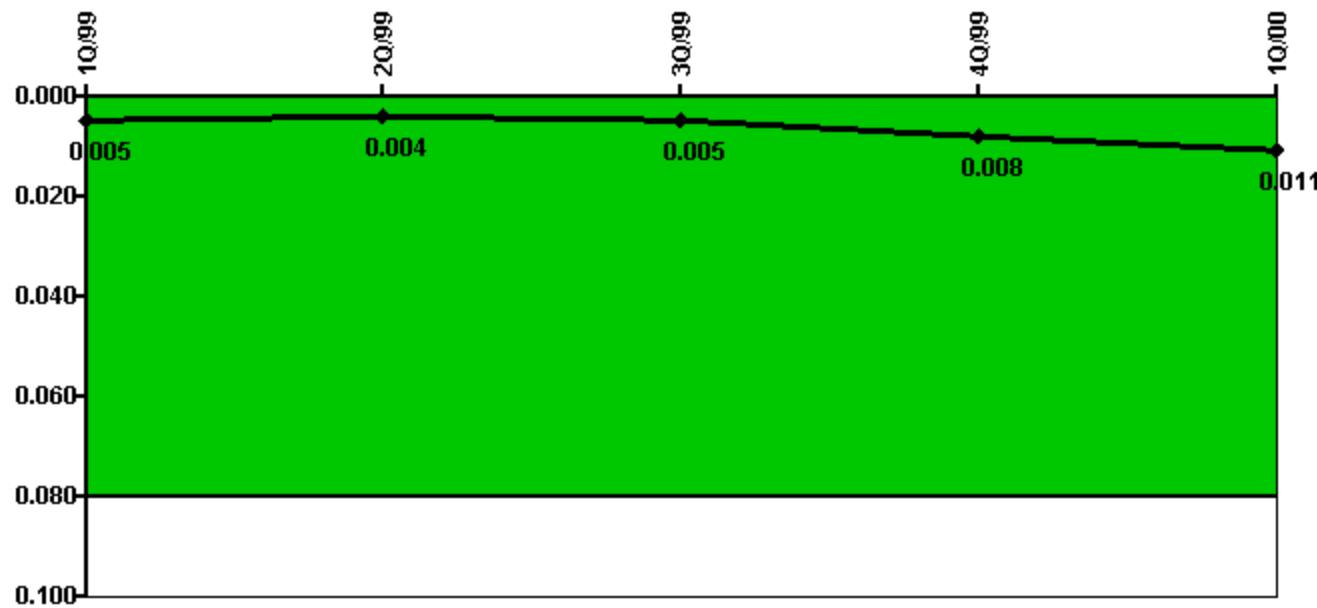
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/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

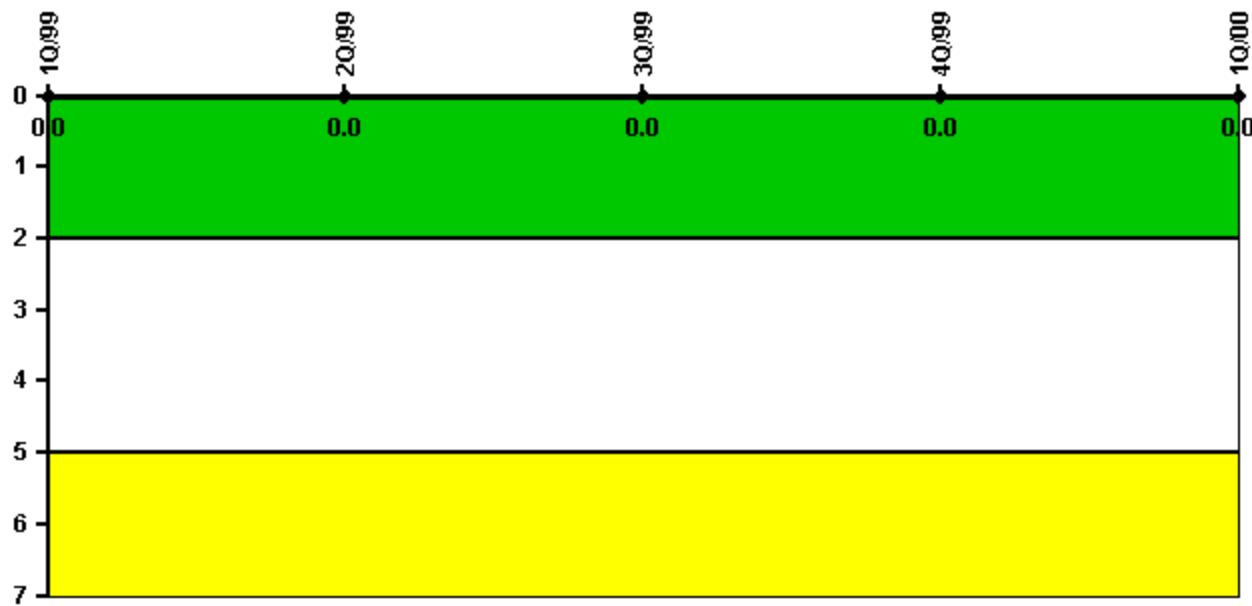
Notes

Protected Area Security Performance Index	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
IDS compensatory hours	7.60	8.40	60.70	106.30	63.20
CCTV compensatory hours	0	1.2	19.7	13.9	14.5
IDS normalization factor	1.65	1.65	1.65	1.65	1.70
CCTV normalization factor	1.0	1.0	1.0	1.0	1.1
Index Value	0.005	0.004	0.005	0.008	0.011

Licensee Comments:

1Q/00: One IDS and two CCTV components were added to the system in February 2000.

Personnel Screening Program

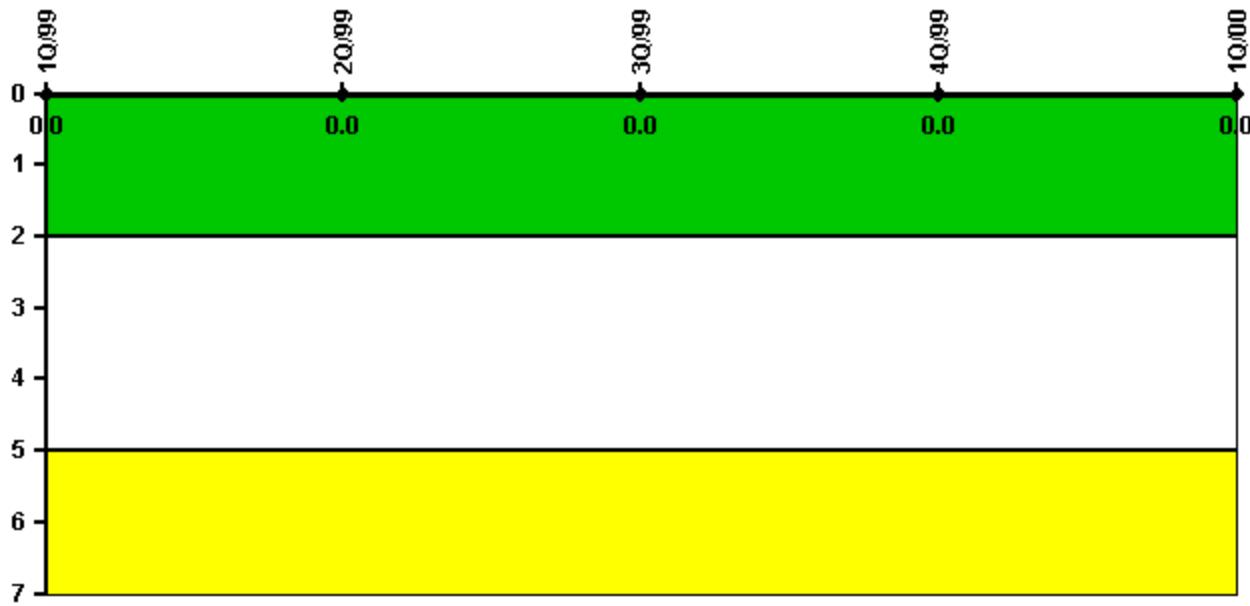


Thresholds: White > 2.0 Yellow > 5.0

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

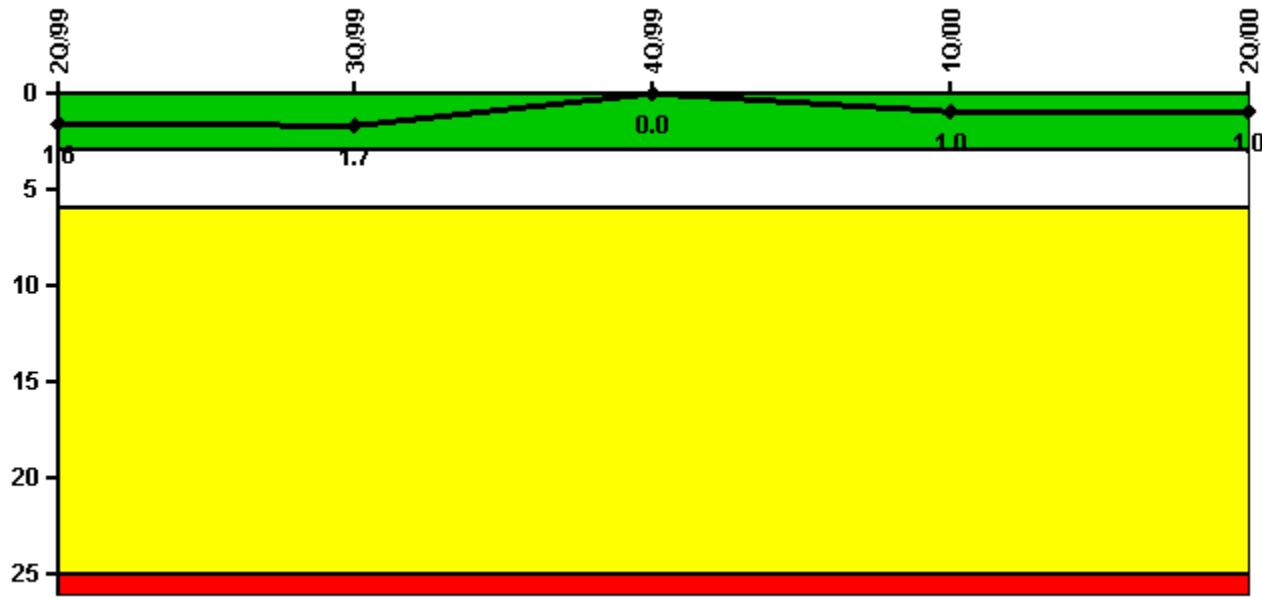


[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: April 1, 2002

Arkansas Nuclear 1**2Q/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	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned scrams	0	0	0	1.0	0
Critical hours	2183.0	1728.9	2004.8	1186.3	2183.0
Indicator value	1.6	1.7	0	1.0	1.0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

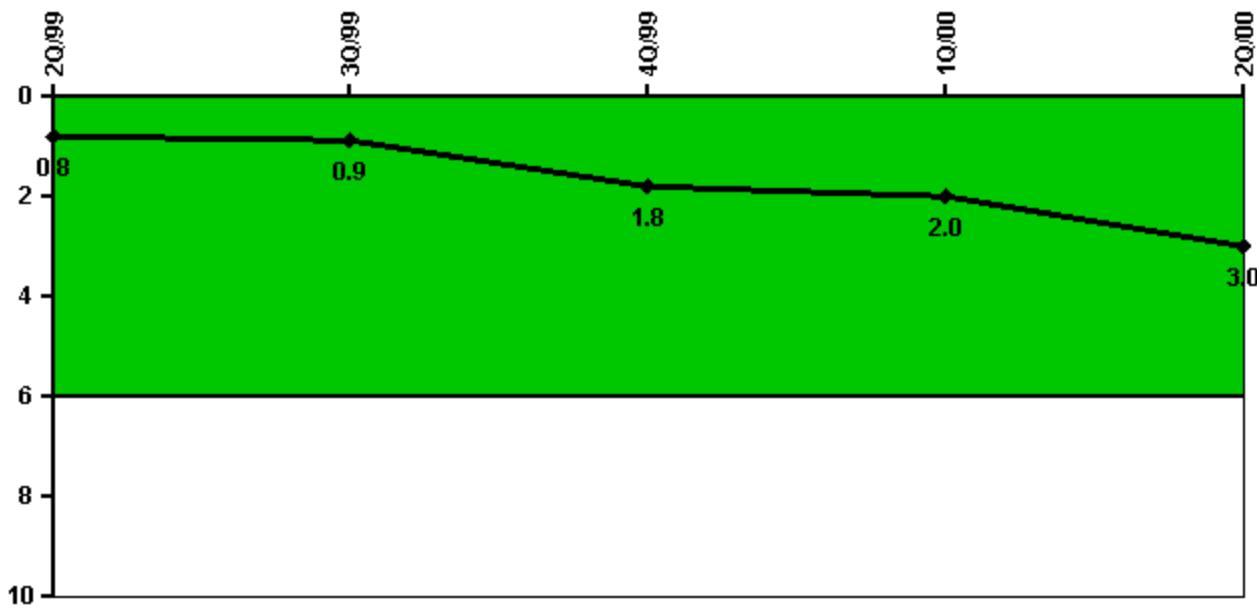
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments:

4Q/98: The scram with loss of heat removal event that was originally reported for 4Q/1998 has been rescinded after subsequent internal review. The scram that occurred on 12/25/98 included a "partial loss" of condenser vacuum and was conservatively reported as a loss of heat removal event. After reviewing NEI 99-02 Rev. 0 and recent FAQ's, an internal review concluded that this event did not meet the definitions for "loss of normal heat removal." This change did not result in a threshold color change.

Unplanned Power Changes per 7000 Critical Hrs

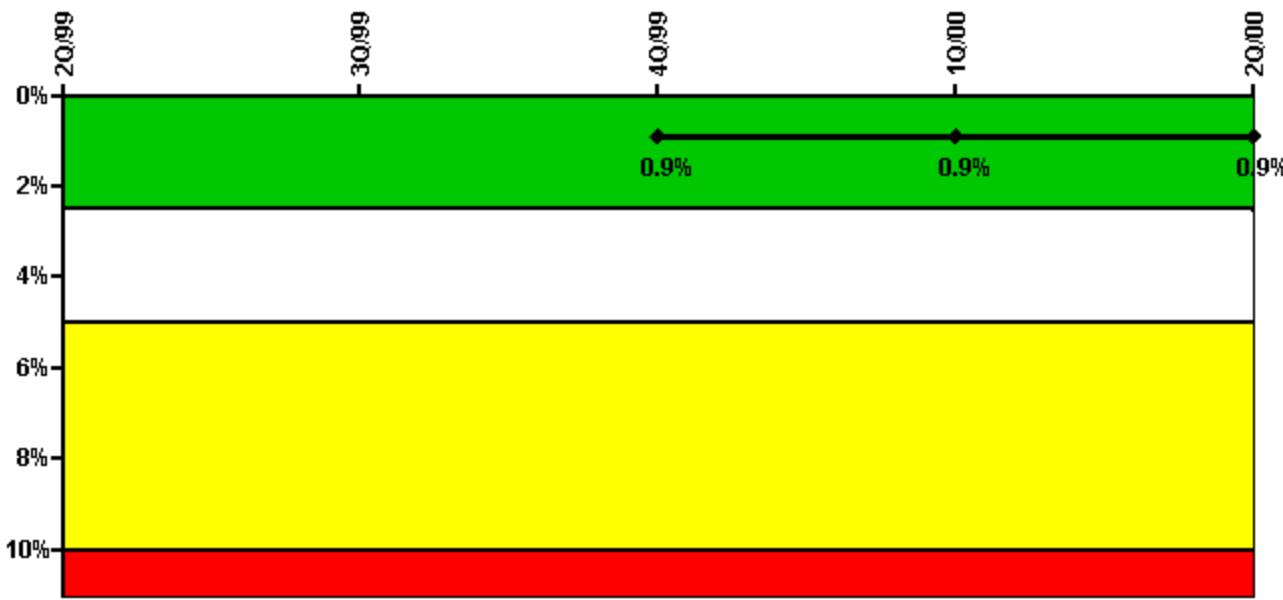
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned power changes	0	0	1.0	1.0	1.0
Critical hours	2183.0	1728.9	2004.8	1186.3	2183.0
Indicator value	0.8	0.9	1.8	2.0	3.0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



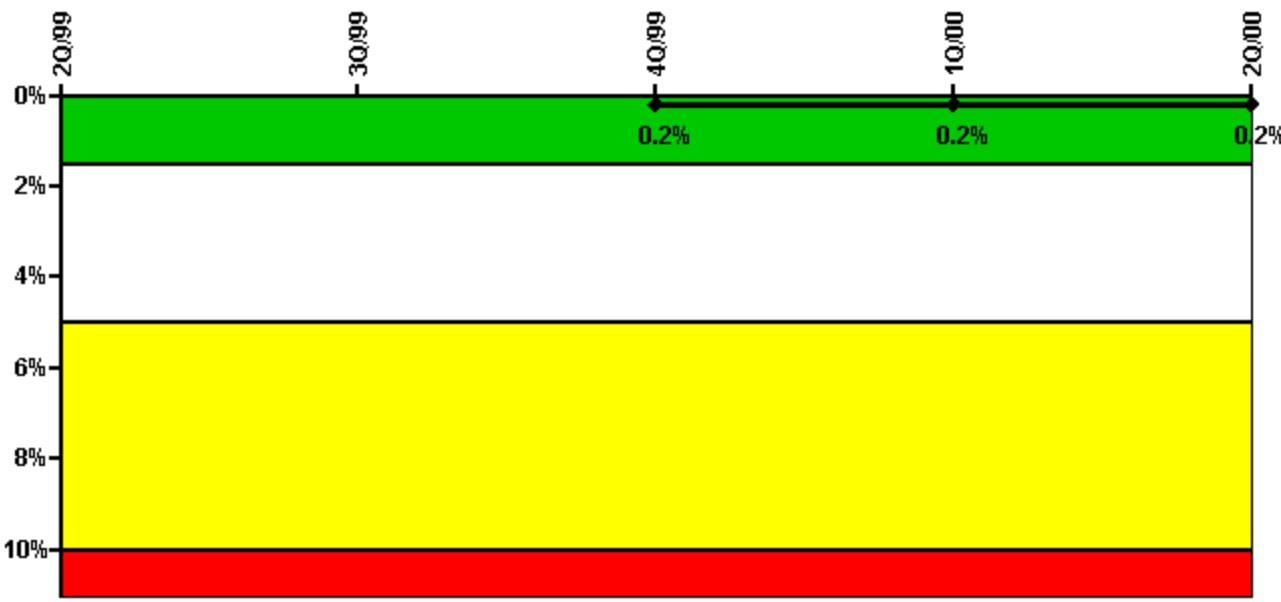
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	73.00	0	0	0.83	0.62
Unplanned unavailable hours	14.00	1.00	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	1774.00	2041.00	2184.00	2183.00
Train 2					
Planned unavailable hours	50.00	5.50	0	0.80	1.08
Unplanned unavailable hours	0	178.80	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	1774.00	2041.00	2184.00	2183.00
Indicator value			0.9%	0.9%	0.9%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



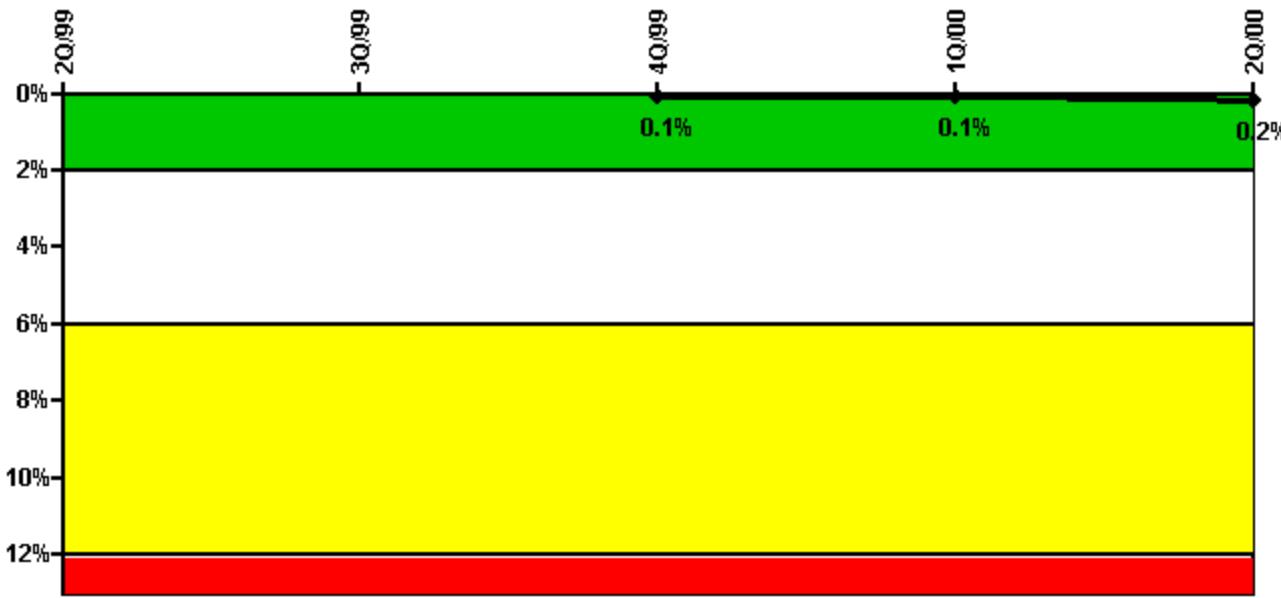
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	0	0	0	0	5.58
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	1913.00	2033.00	1326.40	2183.00
Train 2					
Planned unavailable hours	10.00	9.00	0	0	0
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	1913.00	2033.00	1326.40	2183.00
Indicator value			0.2%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



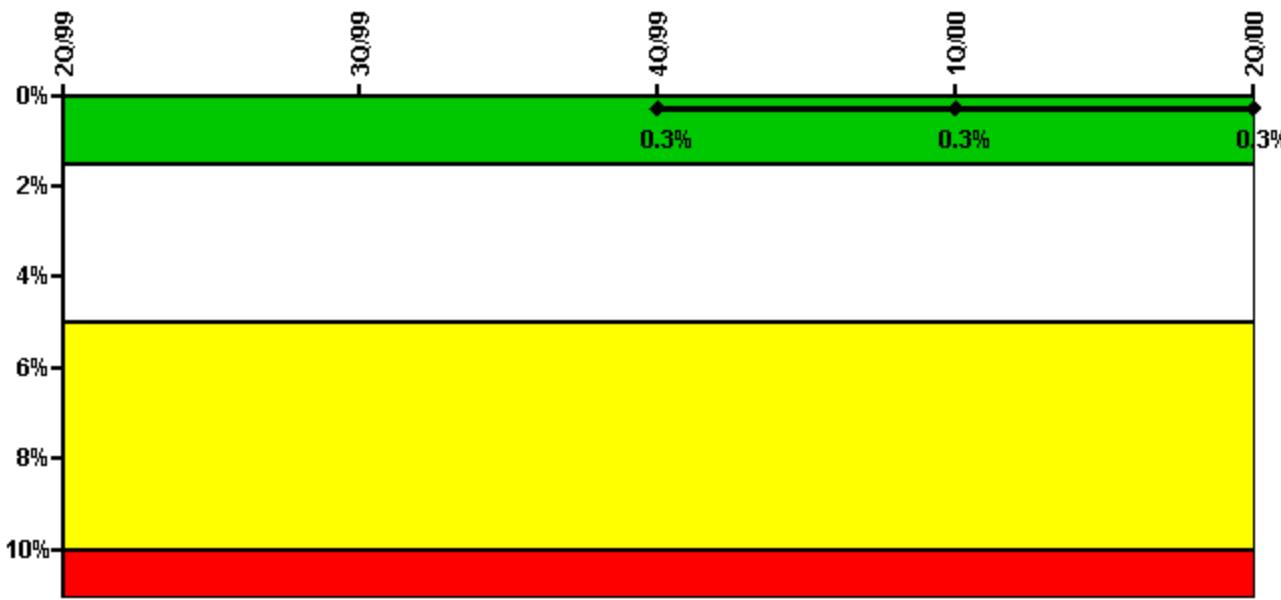
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	0	0	12.23	12.50	17.50
Unplanned unavailable hours	0	0	0	0	9.30
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2183.00	1780.50	2001.10	1328.00	2183.00
Train 2					
Planned unavailable hours	0	0	0	0	5.50
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	1780.50	2001.10	1431.70	2183.00
Indicator value			0.1%	0.1%	0.2%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

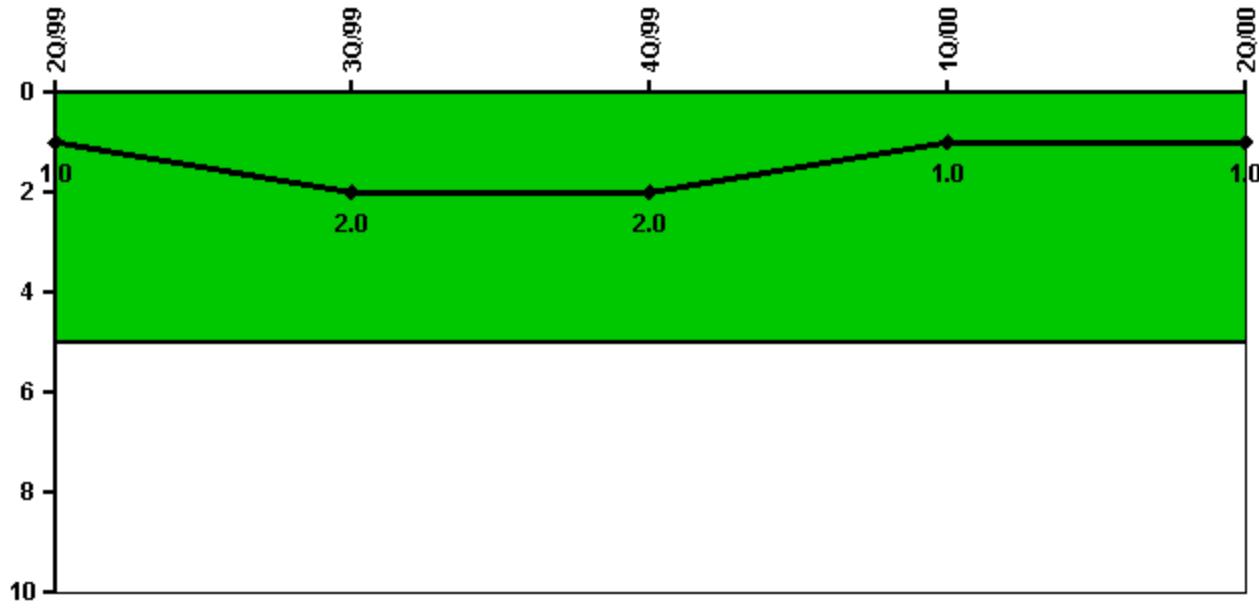


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System		2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1						
Planned unavailable hours		12.00	0	0	15.10	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		2064.00	2112.00	2209.00	2184.00	2183.00
Train 2						
Planned unavailable hours		0	16.30	0	0	0.10
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2064.00	2112.00	2209.00	2184.00	2183.00
Indicator value				0.3%	0.3%	0.3%

Licensee Comments: none

Safety System Functional Failures (PWR)

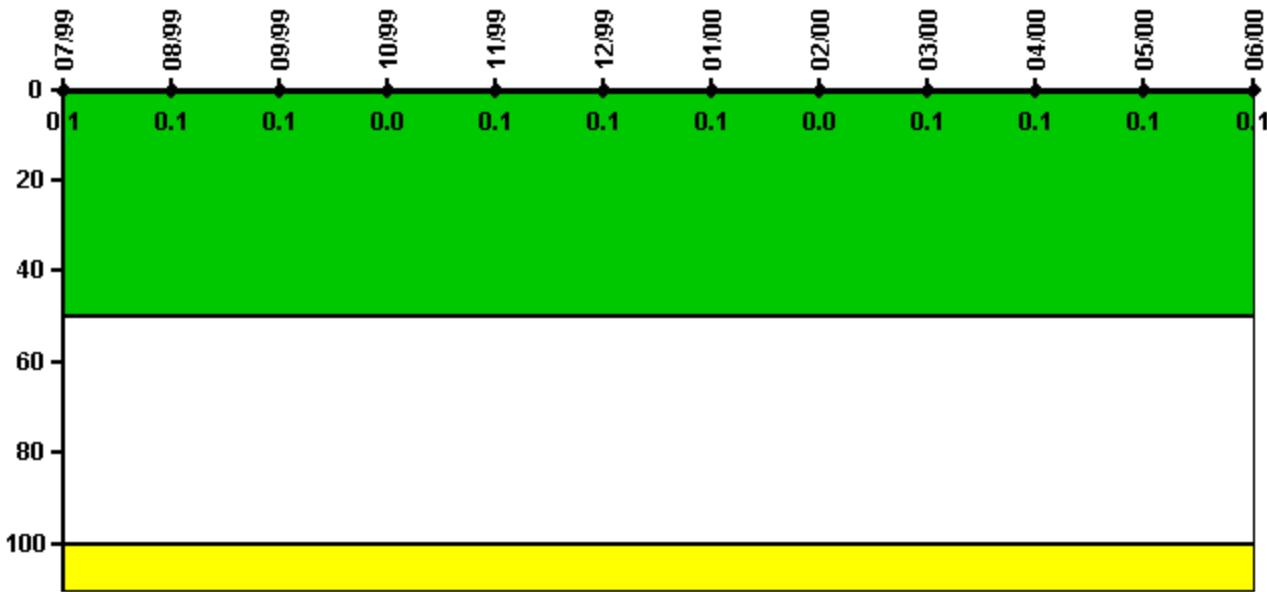
Thresholds: White > 5.0

Notes

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

Licensee Comments:

1Q/00: The March 2000 SSFF previously reported for Decay Heat Removal Pumps has been rescinded. A Licensee Event Report supplement has been submitted which formally documents the operability of the Decay Heat Pumps. The SSFF value for March 2000 has been changed from 1 to zero. This change did not affect the performance indicator color.

Reactor Coolant System Activity

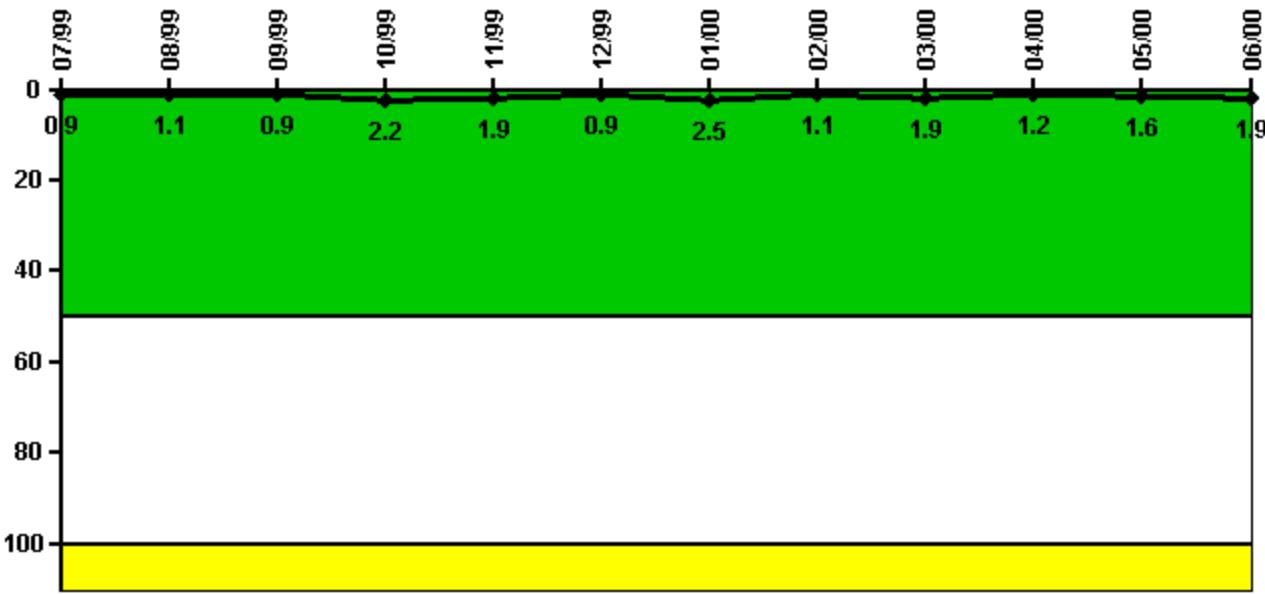
Thresholds: White > 50.0 Yellow > 100.0

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	0.004700	0.004600	0.004400	0.001710	0.001770	0.001900	0.001910	0.001440	0.002030	0.002040	0.002300	0.002360
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage

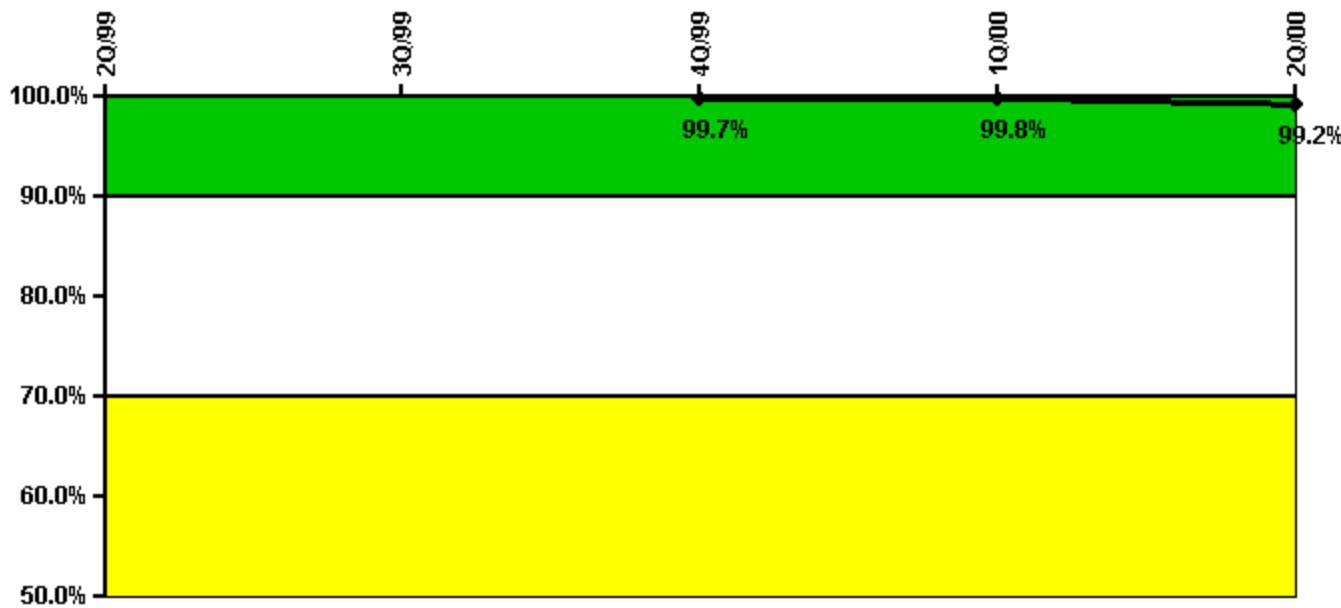


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.089	0.106	0.086	0.221	0.188	0.089	0.250	0.110	0.190	0.116	0.162	0.190
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	1.1	0.9	2.2	1.9	0.9	2.5	1.1	1.9	1.2	1.6	1.9

Licensee Comments: none

Drill/Exercise Performance

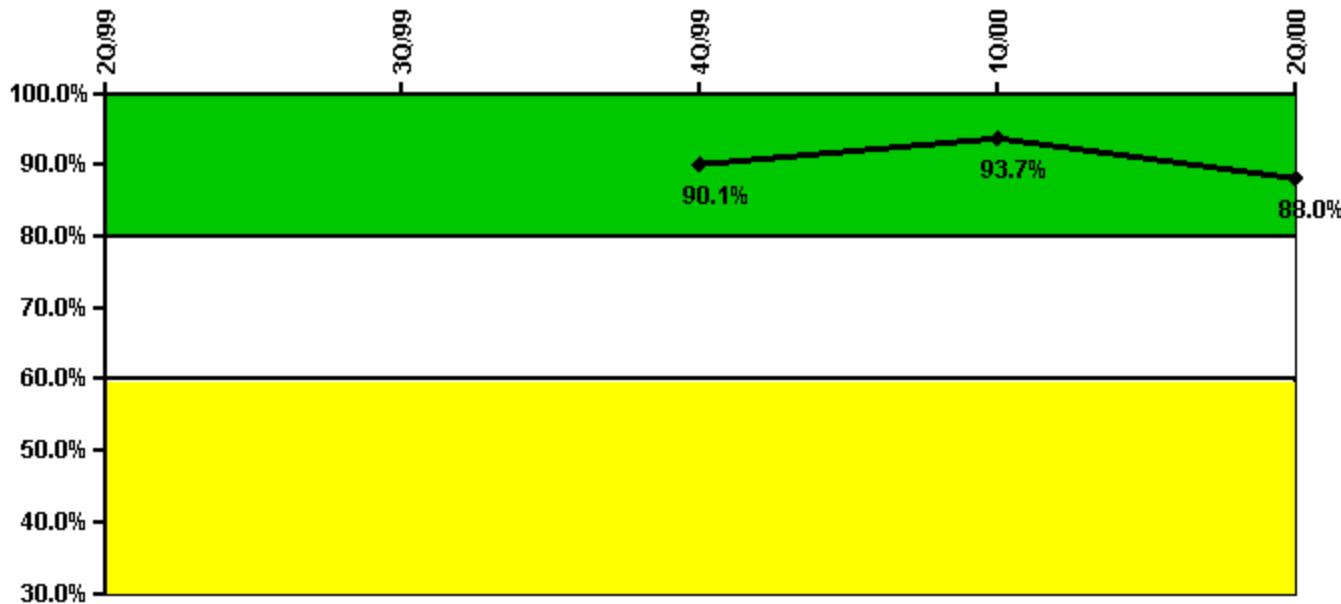
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful opportunities	81.0	67.0	35.0	96.0	82.0
Total opportunities	82.0	67.0	35.0	96.0	85.0
Indicator value			99.7%	99.8%	99.2%

Licensee Comments: none

ERO Drill Participation



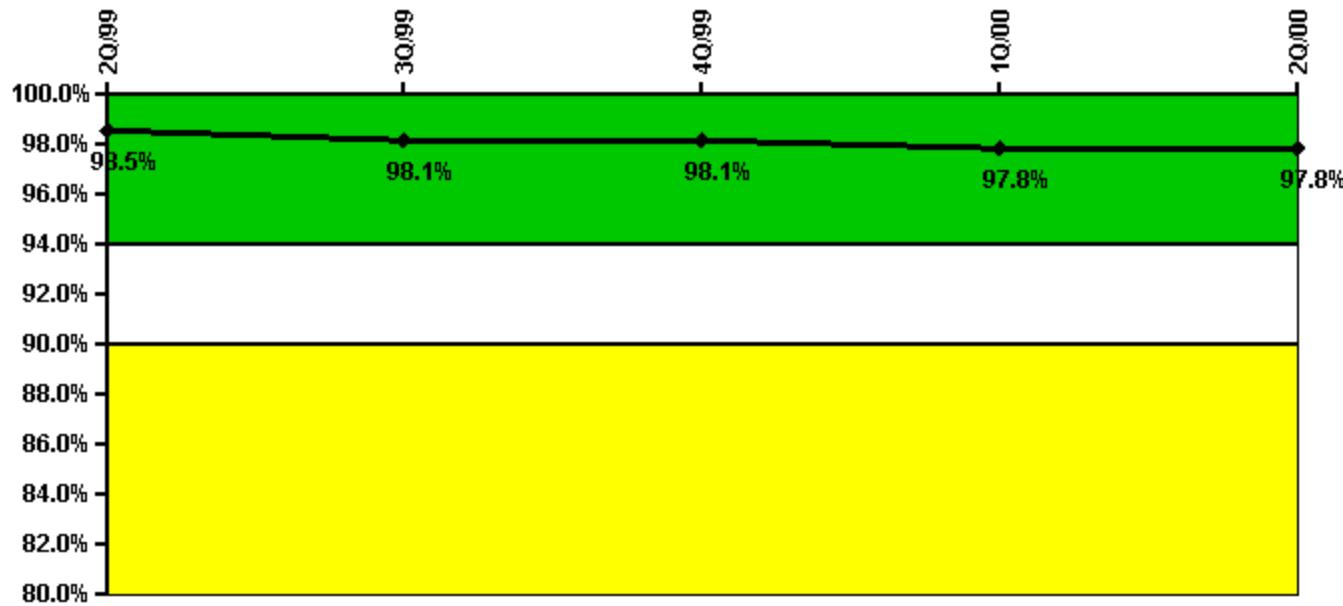
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Participating Key personnel			109.0	118.0	88.0
Total Key personnel			121.0	126.0	100.0
Indicator value			90.1%	93.7%	88.0%

Licensee Comments:

2Q/00: After internal assessment and review, Q2/2000 data was revised from 92 to 88 ERO members participating. This change did not affect the indicator color.

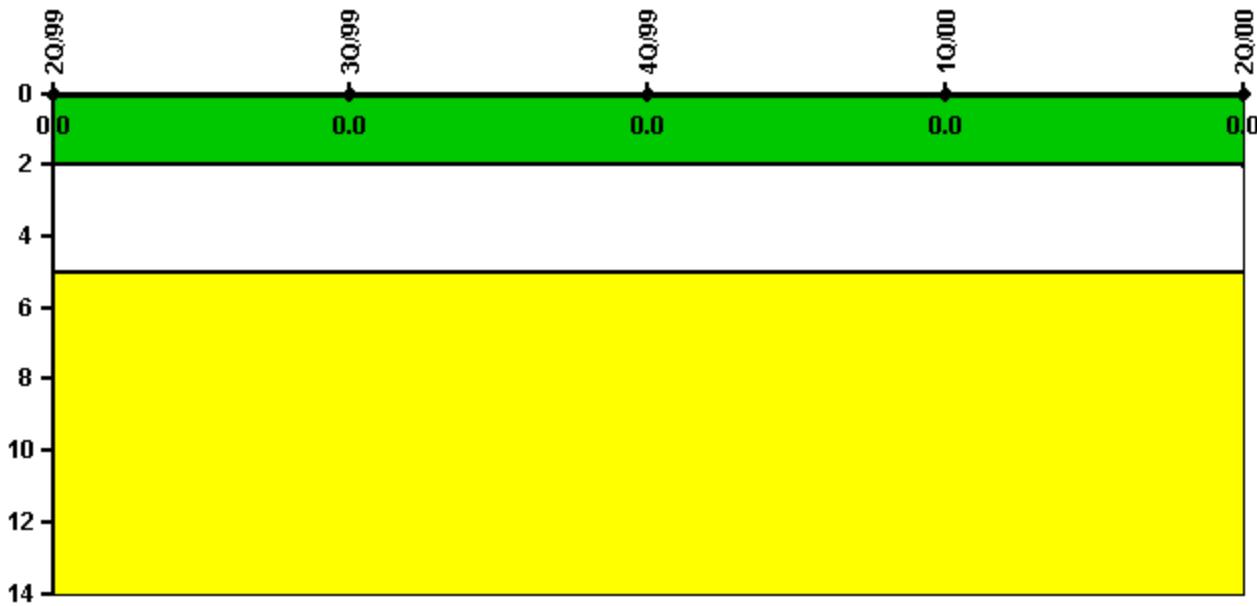
Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Successful siren-tests	145	143	143	144	145
Total sirens-tests	147	147	147	147	147
Indicator value	98.5%	98.1%	98.1%	97.8%	97.8%

Licensee Comments: none

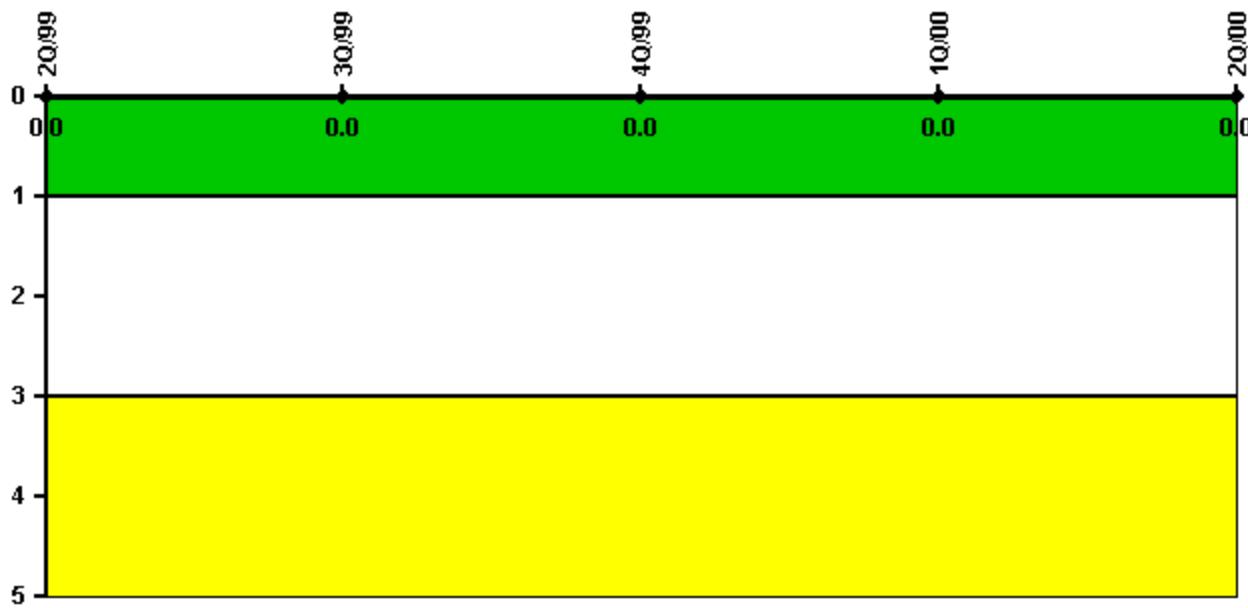
Occupational Exposure Control Effectiveness

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

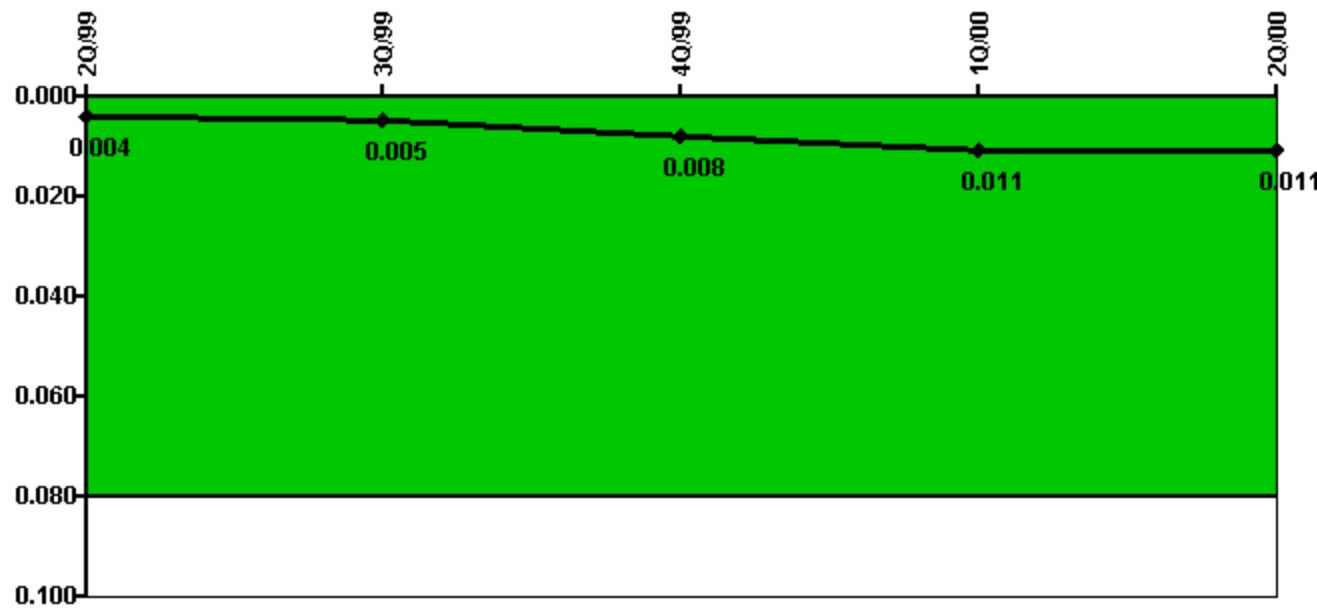
Thresholds: White > 1.0 Yellow > 3.0

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



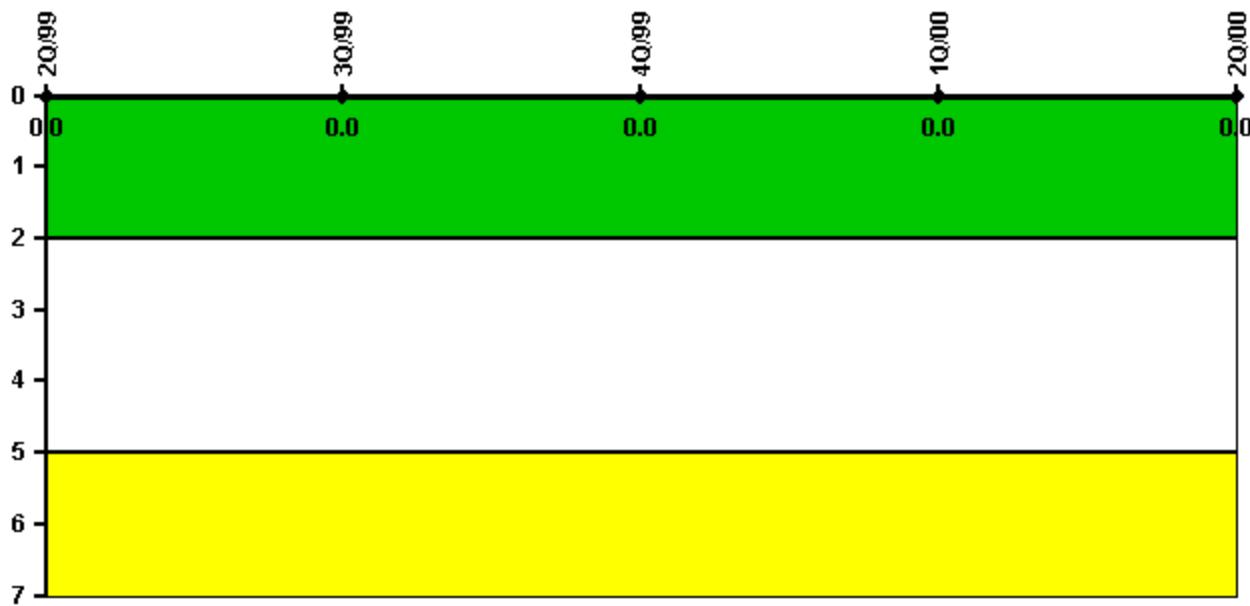
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
IDS compensatory hours	8.40	60.70	106.30	63.20	17.90
CCTV compensatory hours	1.2	19.7	13.9	14.5	1.5
IDS normalization factor	1.65	1.65	1.65	1.70	1.70
CCTV normalization factor	1.0	1.0	1.0	1.1	1.1
Index Value	0.004	0.005	0.008	0.011	0.011

Licensee Comments: none

Personnel Screening Program

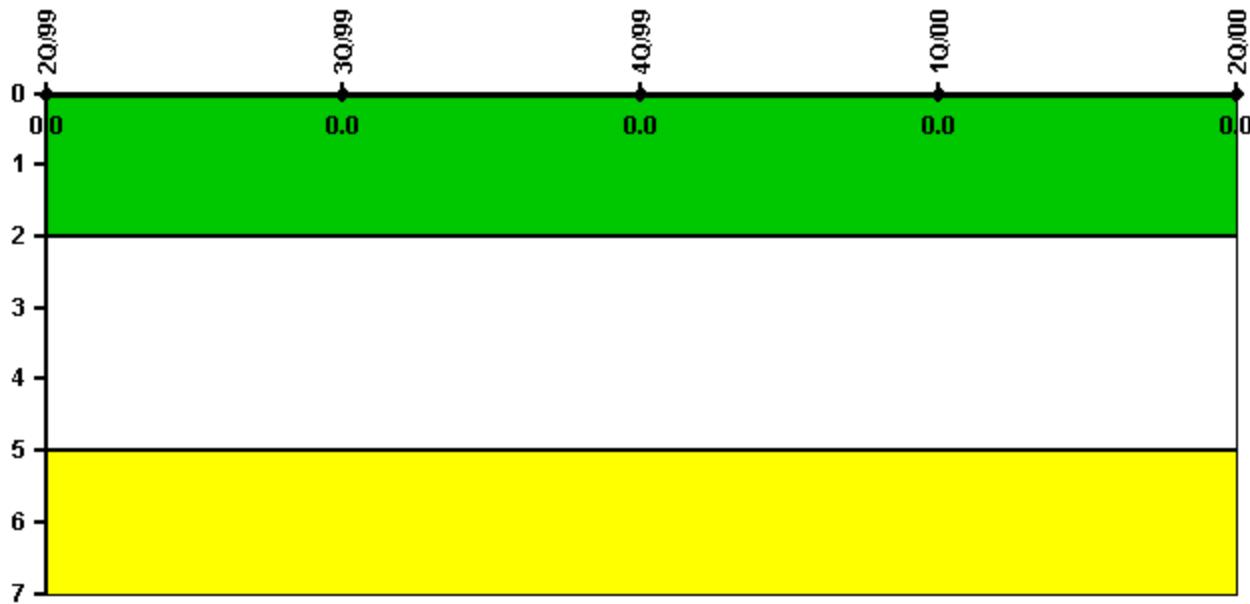


Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

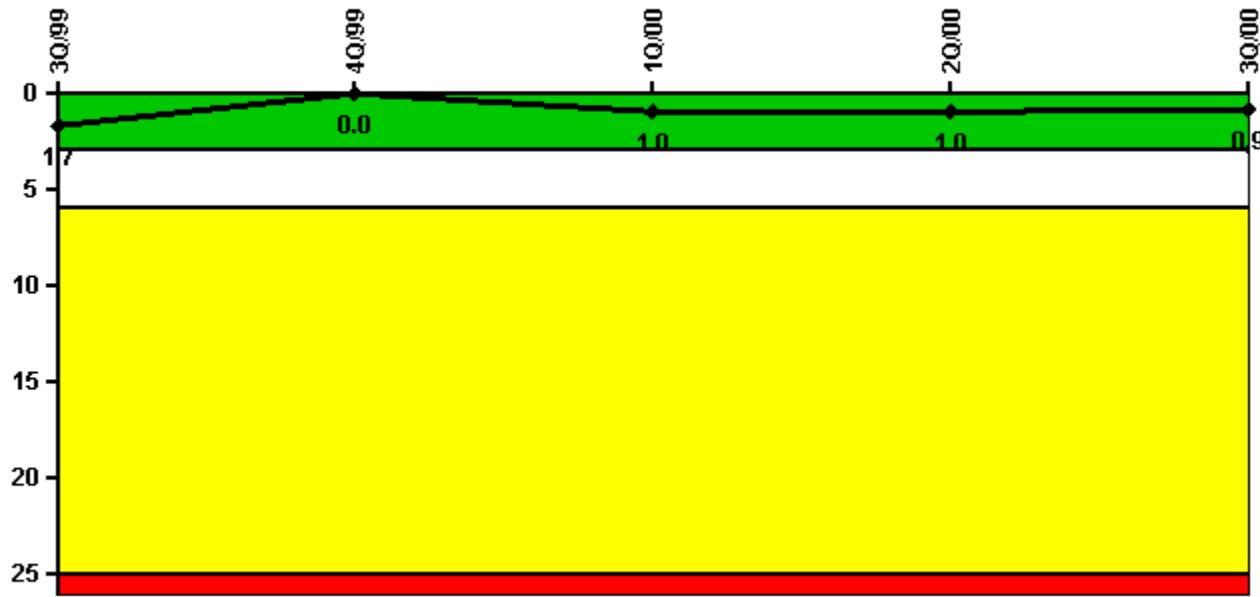


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Last Modified: April 1, 2002

Arkansas Nuclear 1**3Q/2000 Performance Indicators**

Licensee's General Comments: none

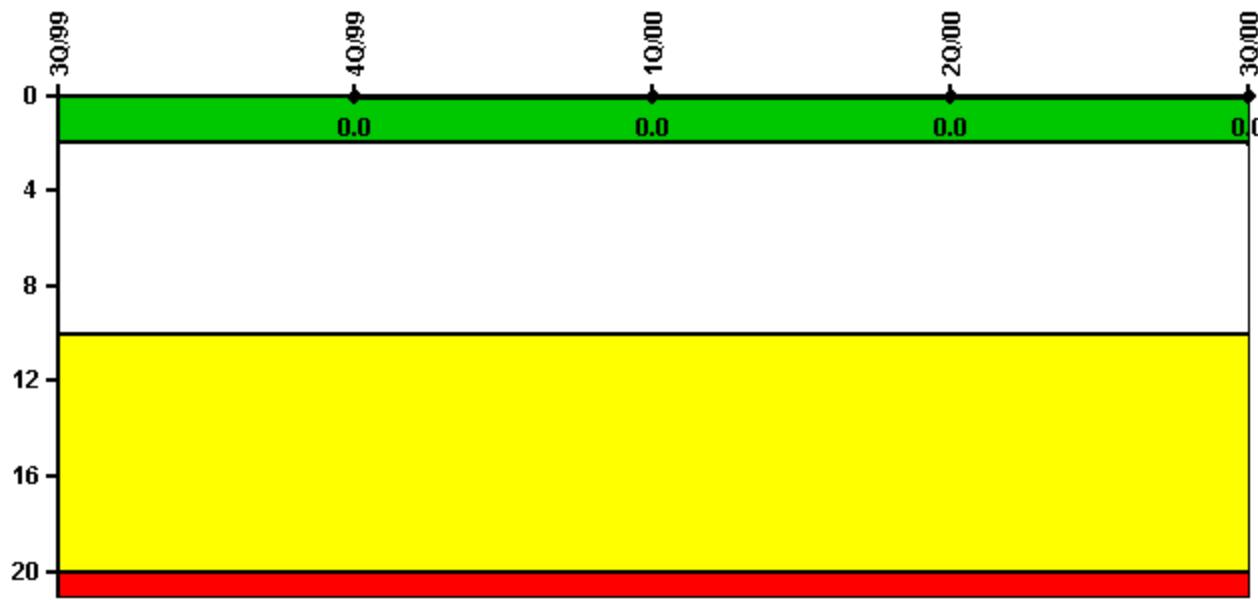
Unplanned Scrams per 7000 Critical Hrs

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	1.0	0	0
Critical hours	1728.9	2004.8	1186.3	2183.0	2208.0
Indicator value	1.7	0	1.0	1.0	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

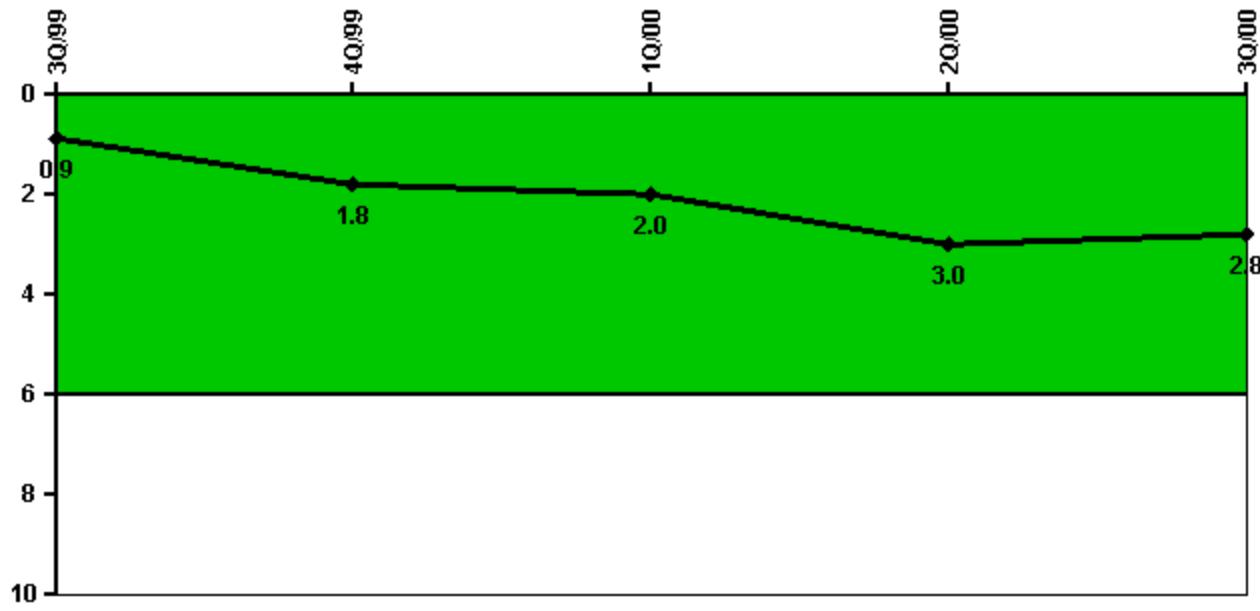
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments:

4Q/98: The scram with loss of heat removal event that was originally reported for 4Q/1998 has been rescinded after subsequent internal review. The scram that occurred on 12/25/98 included a "partial loss" of condenser vacuum and was conservatively reported as a loss of heat removal event. After reviewing NEI 99-02 Rev. 0 and recent FAQ's, an internal review concluded that this event did not meet the definitions for "loss of normal heat removal." This change did not result in a threshold color change.

Unplanned Power Changes per 7000 Critical Hrs

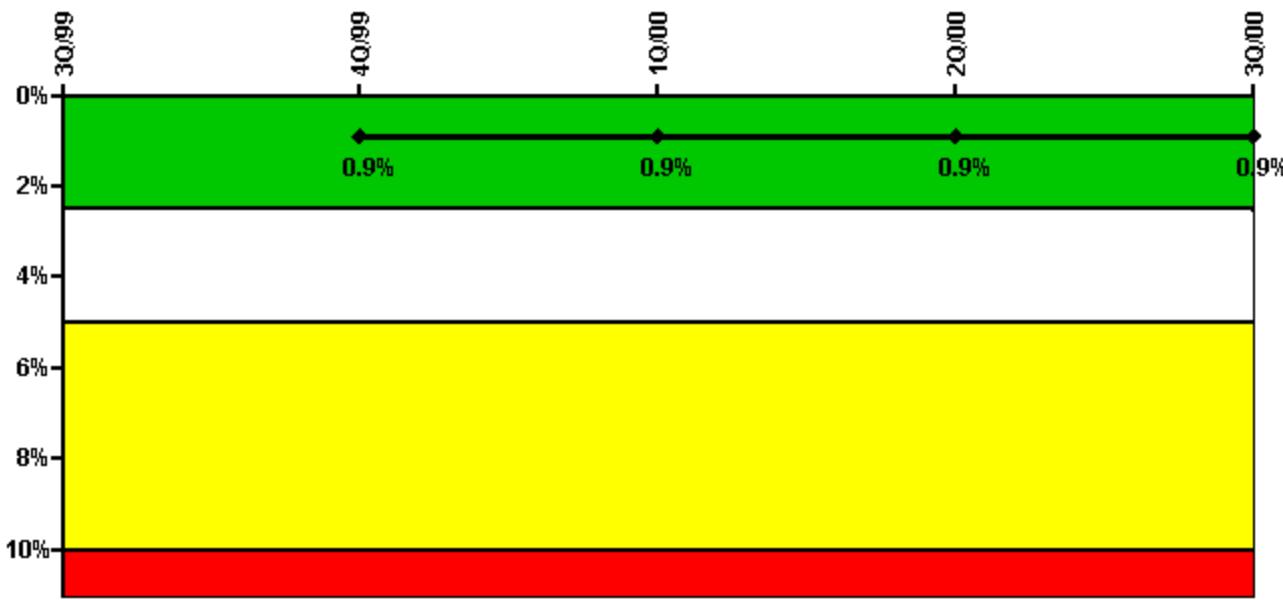
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned power changes	0	1.0	1.0	1.0	0
Critical hours	1728.9	2004.8	1186.3	2183.0	2208.0
Indicator value	0.9	1.8	2.0	3.0	2.8

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



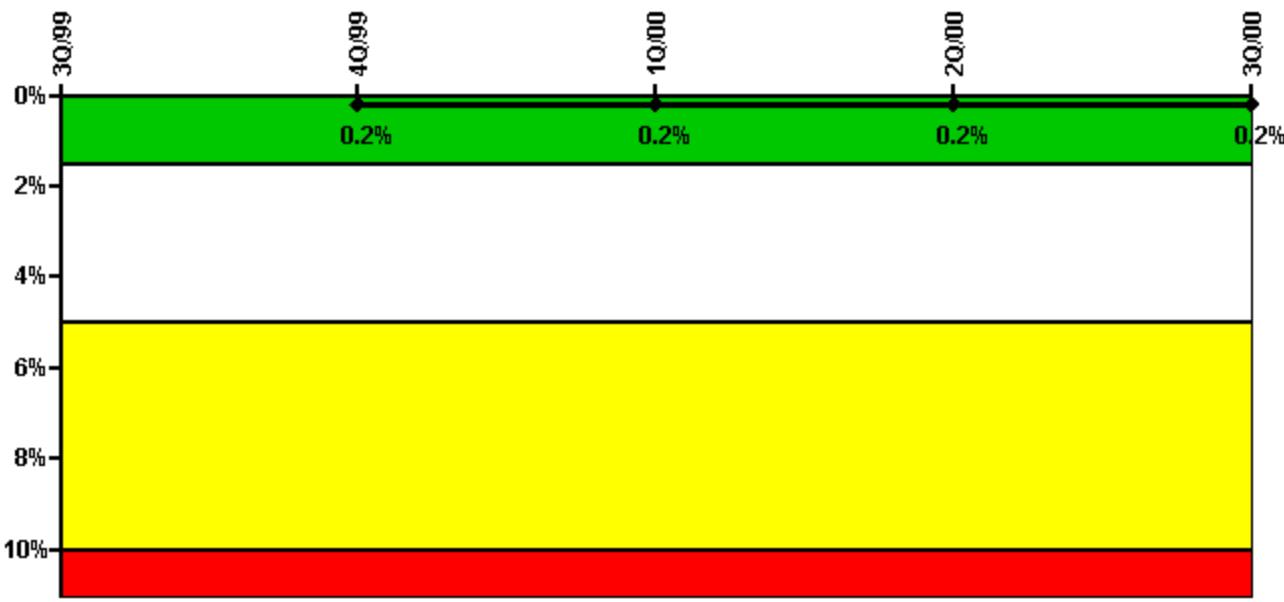
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	0	0	0.83	0.62	0.65
Unplanned unavailable hours	1.00	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1774.00	2041.00	2184.00	2183.00	2208.00
Train 2					
Planned unavailable hours	5.50	0	0.80	1.08	0.83
Unplanned unavailable hours	178.80	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1774.00	2041.00	2184.00	2183.00	2208.00
Indicator value		0.9%	0.9%	0.9%	0.9%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



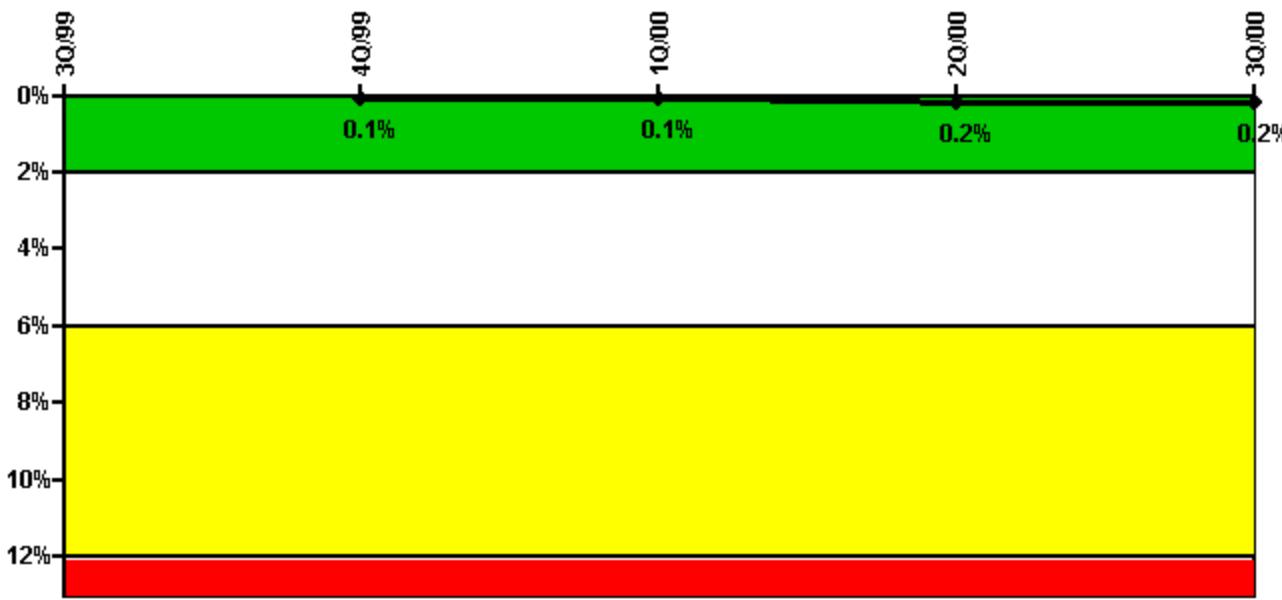
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	0	0	0	5.58	13.75
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	1913.00	2033.00	1326.40	2183.00	2208.00
Train 2					
Planned unavailable hours	9.00	0	0	0	10.88
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	1913.00	2033.00	1326.40	2183.00	2208.00
Indicator value			0.2%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



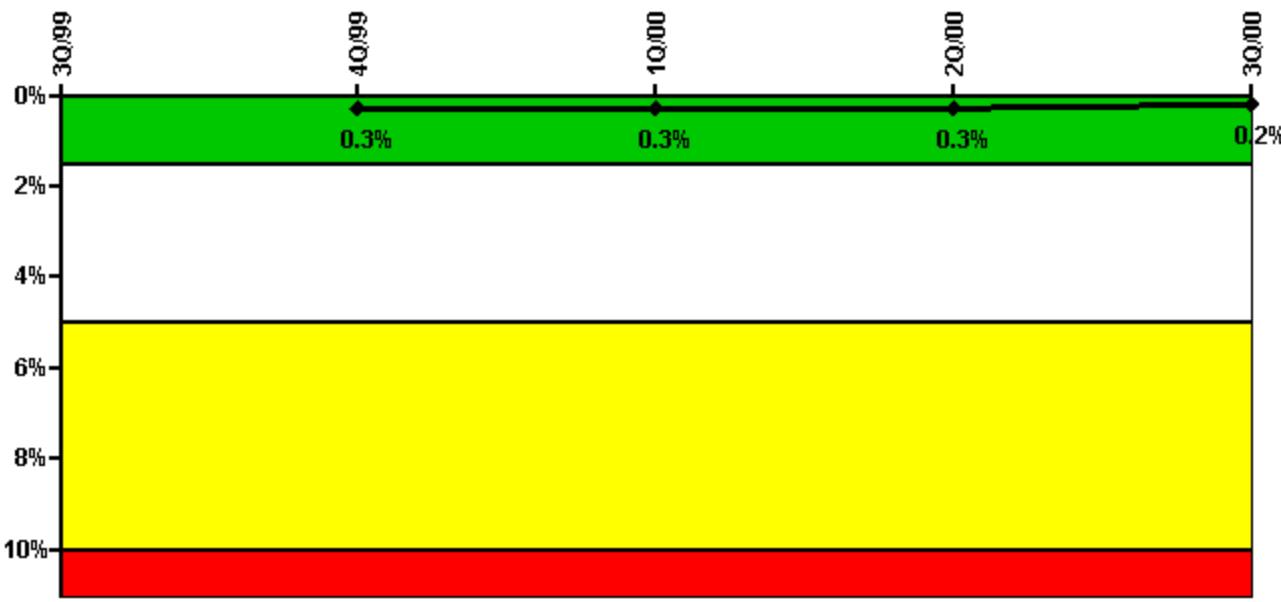
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	0	12.23	12.50	17.50	0.20
Unplanned unavailable hours	0	0	0	9.30	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	1780.50	2001.10	1328.00	2183.00	2208.00
Train 2					
Planned unavailable hours	0	0	0	5.50	11.20
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	1780.50	2001.10	1431.70	2183.00	2208.00
Indicator value		0.1%	0.1%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

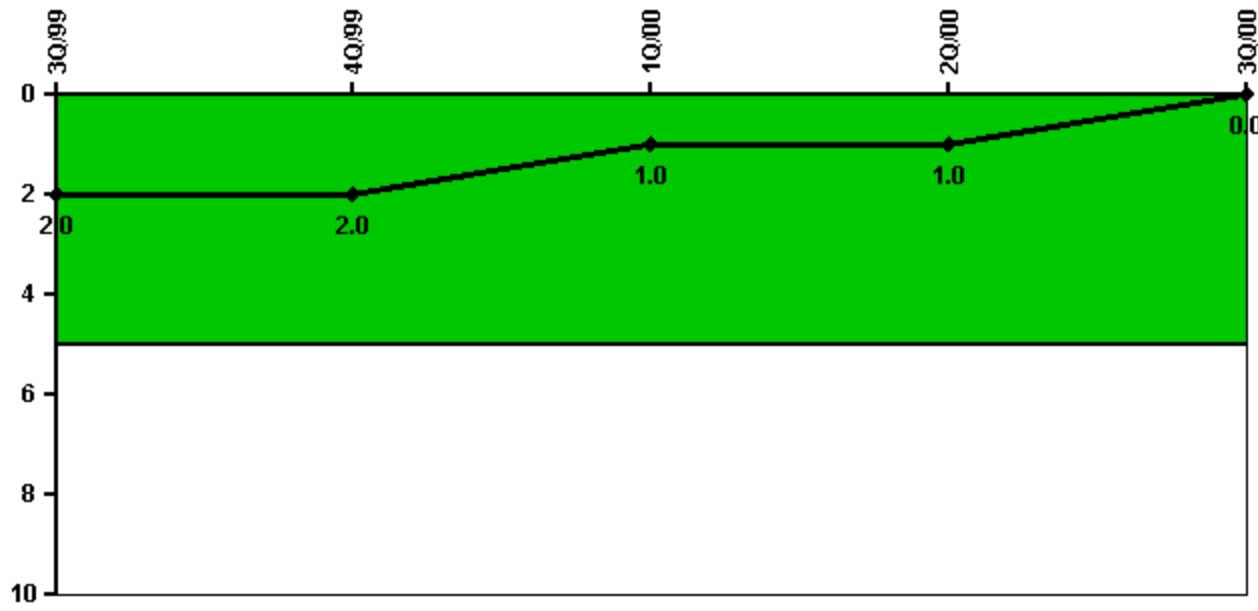


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System		3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1						
Planned unavailable hours		0	0	15.10	0	0
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2112.00	2209.00	2184.00	2183.00	2208.00
Train 2						
Planned unavailable hours		16.30	0	0	0.10	18.60
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		2112.00	2209.00	2184.00	2183.00	2208.00
Indicator value			0.3%	0.3%	0.3%	0.2%

Licensee Comments: none

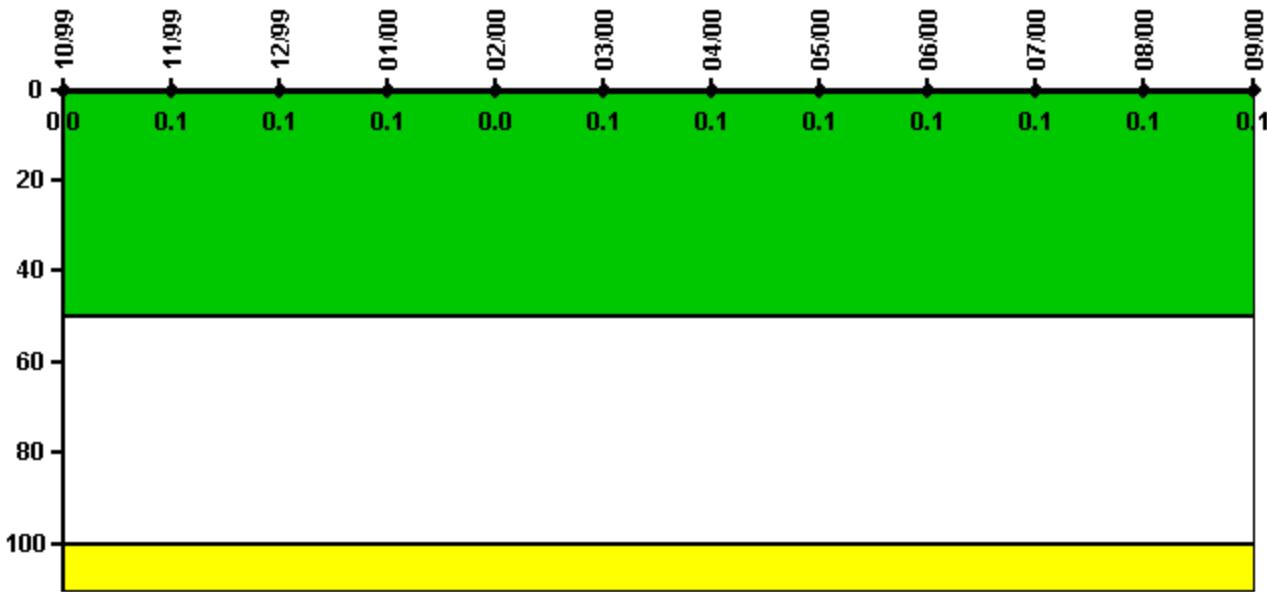
Safety System Functional Failures (PWR)

Thresholds: White > 5.0

Notes

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

Licensee Comments: none

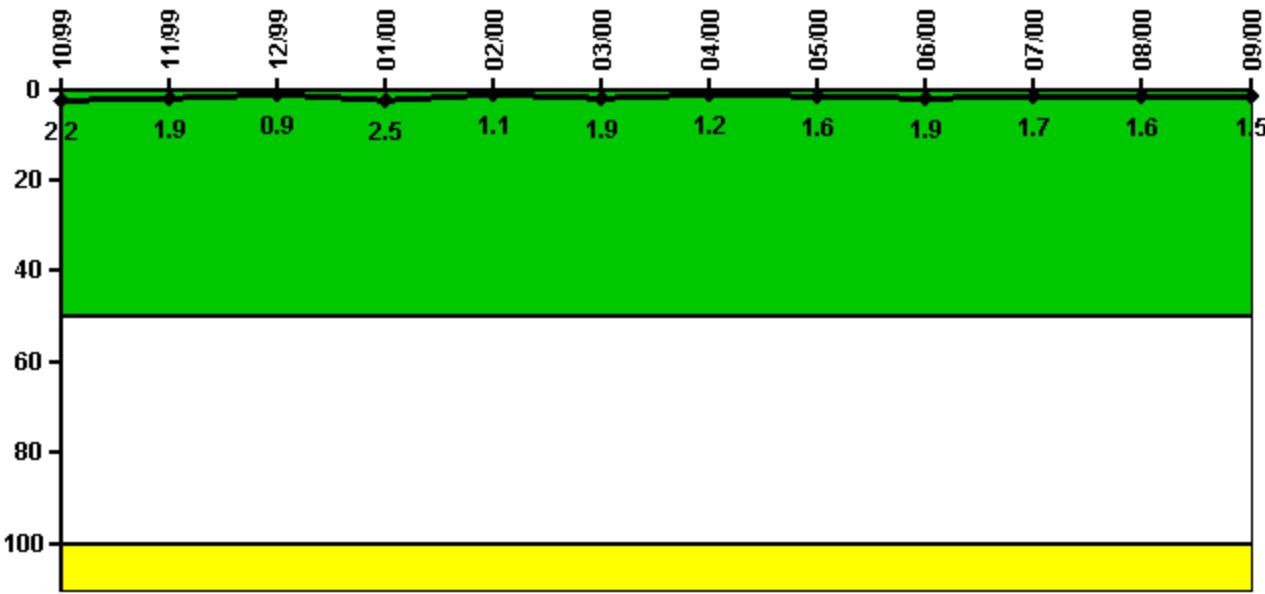
Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.001710	0.001770	0.001900	0.001910	0.001440	0.002030	0.002040	0.002300	0.002360	0.002420	0.002610	0.002780
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

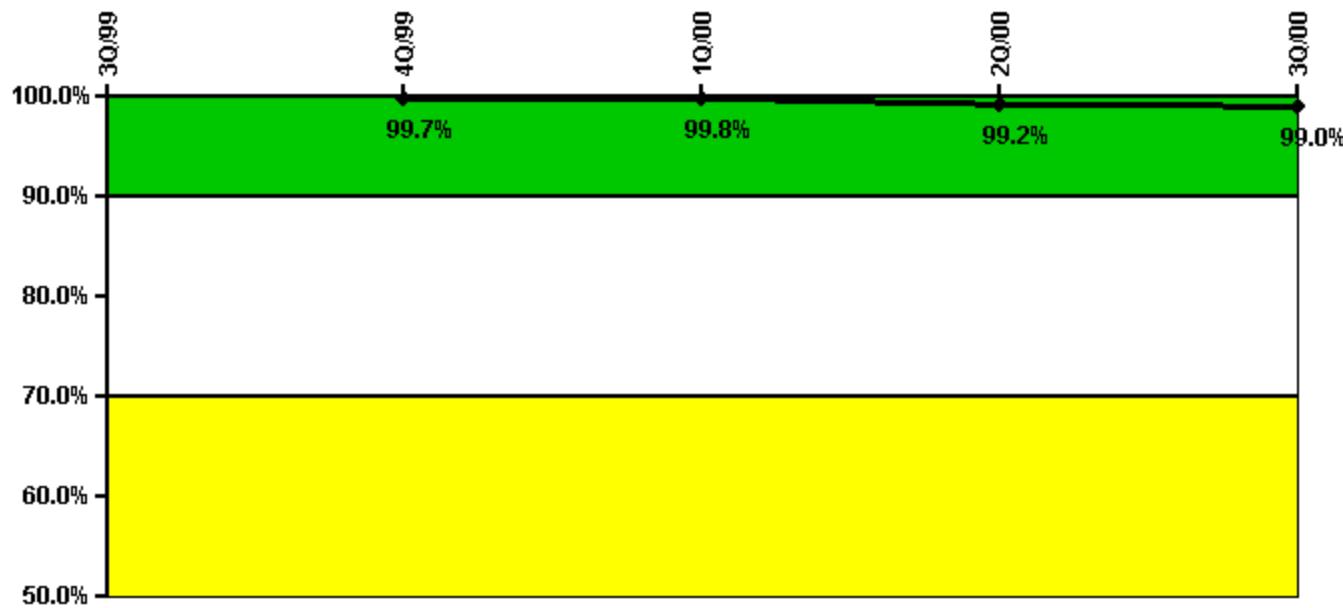
Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.221	0.188	0.089	0.250	0.110	0.190	0.116	0.162	0.190	0.167	0.158	0.149
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	1.9	0.9	2.5	1.1	1.9	1.2	1.6	1.9	1.7	1.6	1.5

Licensee Comments: none

Drill/Exercise Performance

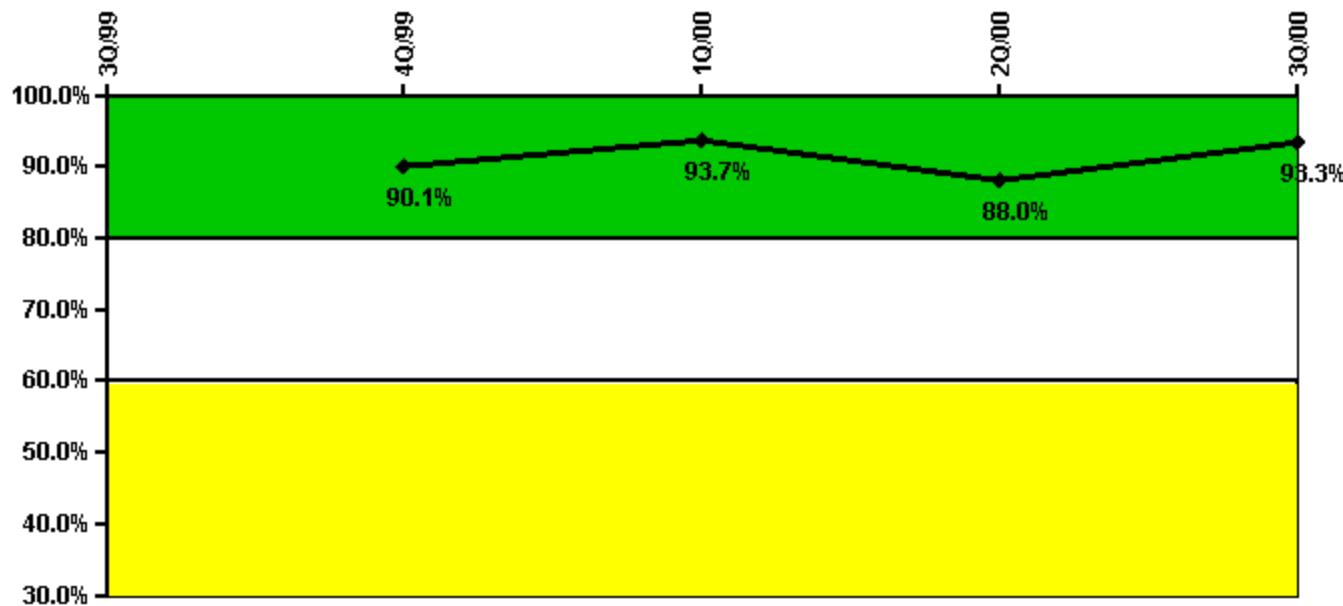
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful opportunities	67.0	35.0	96.0	82.0	55.0
Total opportunities	67.0	35.0	96.0	85.0	56.0
Indicator value		99.7%	99.8%	99.2%	99.0%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

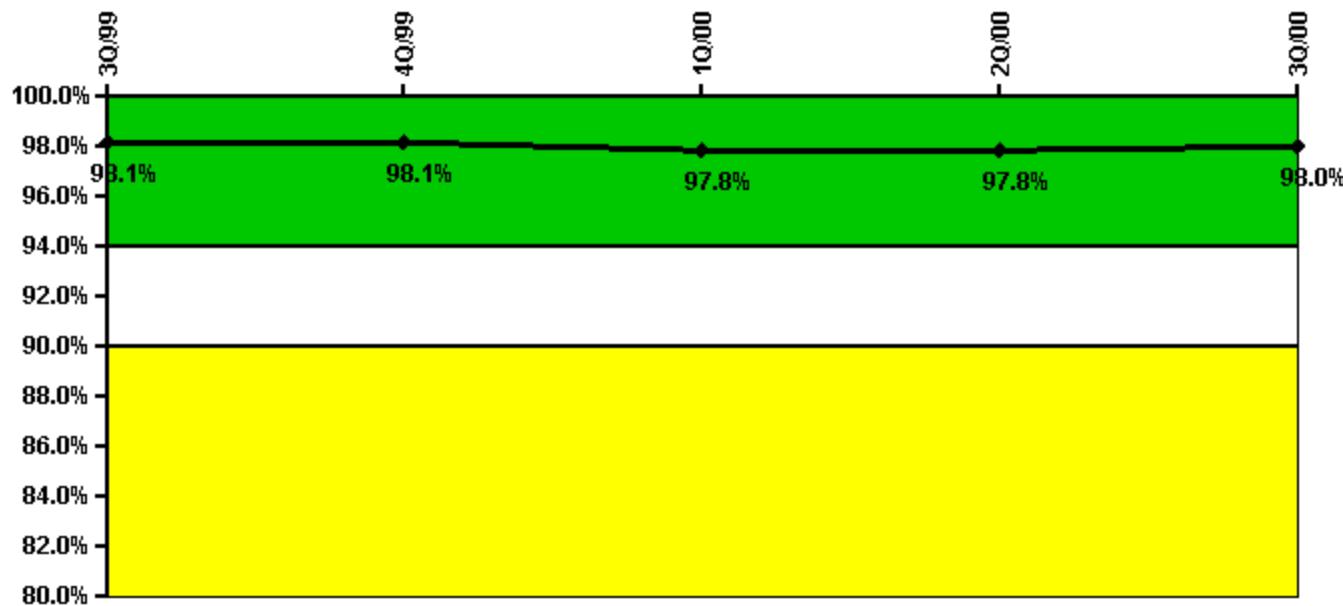
Notes

ERO Drill Participation	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Participating Key personnel		109.0	118.0	88.0	98.0
Total Key personnel		121.0	126.0	100.0	105.0
Indicator value		90.1%	93.7%	88.0%	93.3%

Licensee Comments:

3Q/00: After internal assessment and review, Q3/2000 data was revised from 103 to 98 ERO members participating. This change did not affect the indicator color.

2Q/00: After internal assessment and review, Q2/2000 data was revised from 92 to 88 ERO members participating. This change did not affect the indicator color.

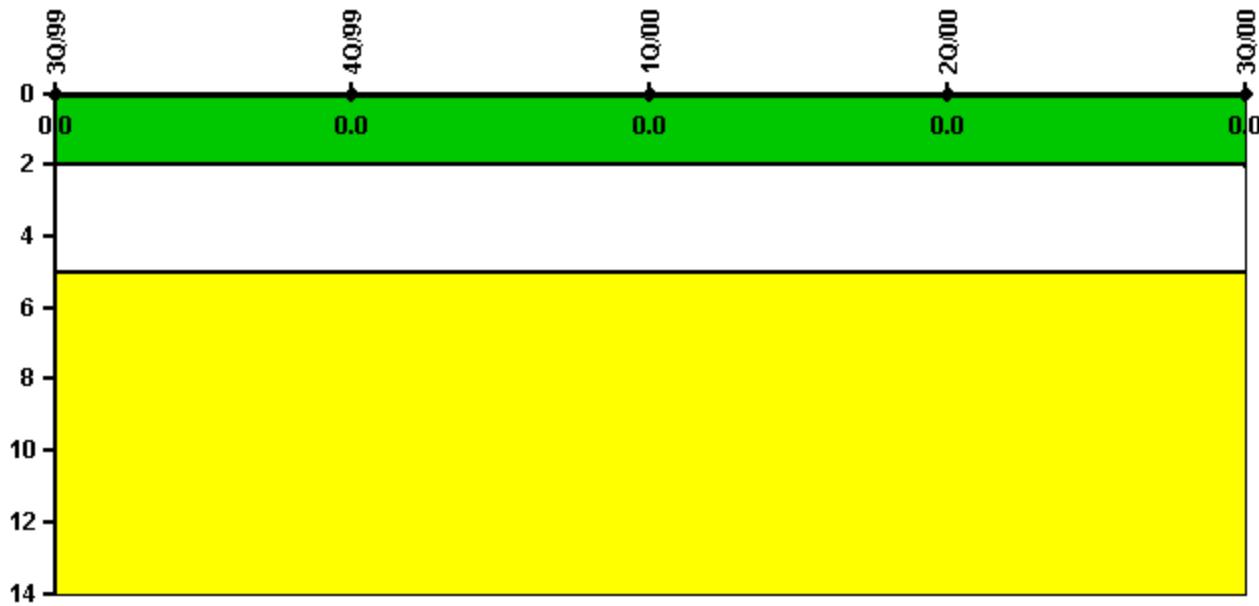
Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Successful siren-tests	143	143	144	145	144
Total sirens-tests	147	147	147	147	147
Indicator value	98.1%	98.1%	97.8%	97.8%	98.0%

Licensee Comments: none

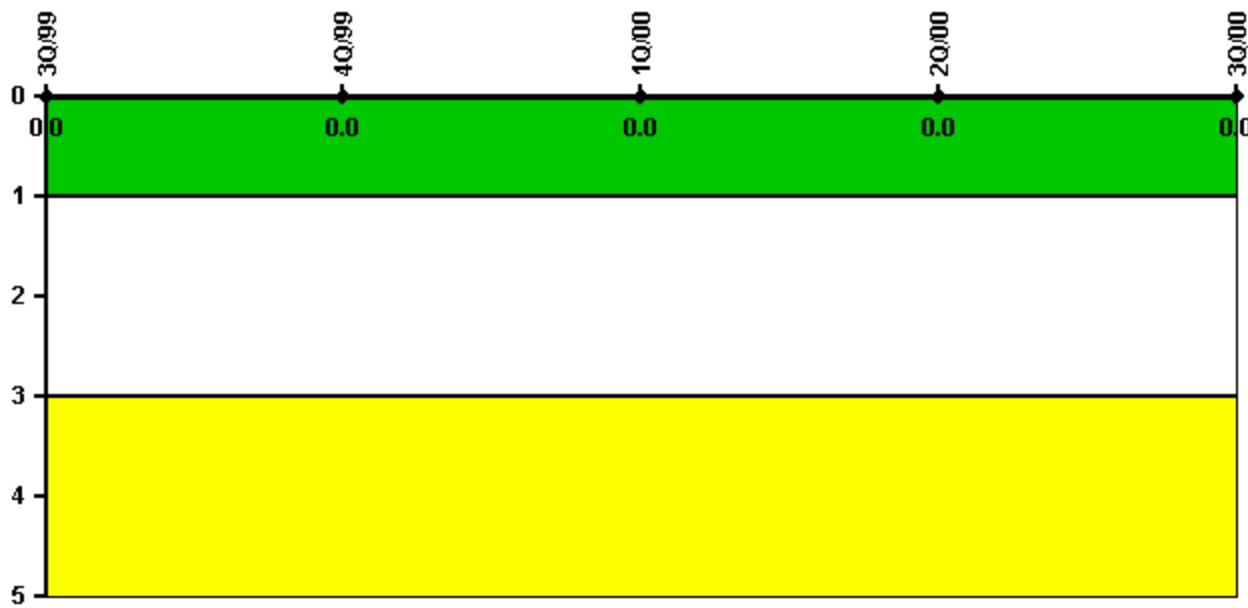
Occupational Exposure Control Effectiveness

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

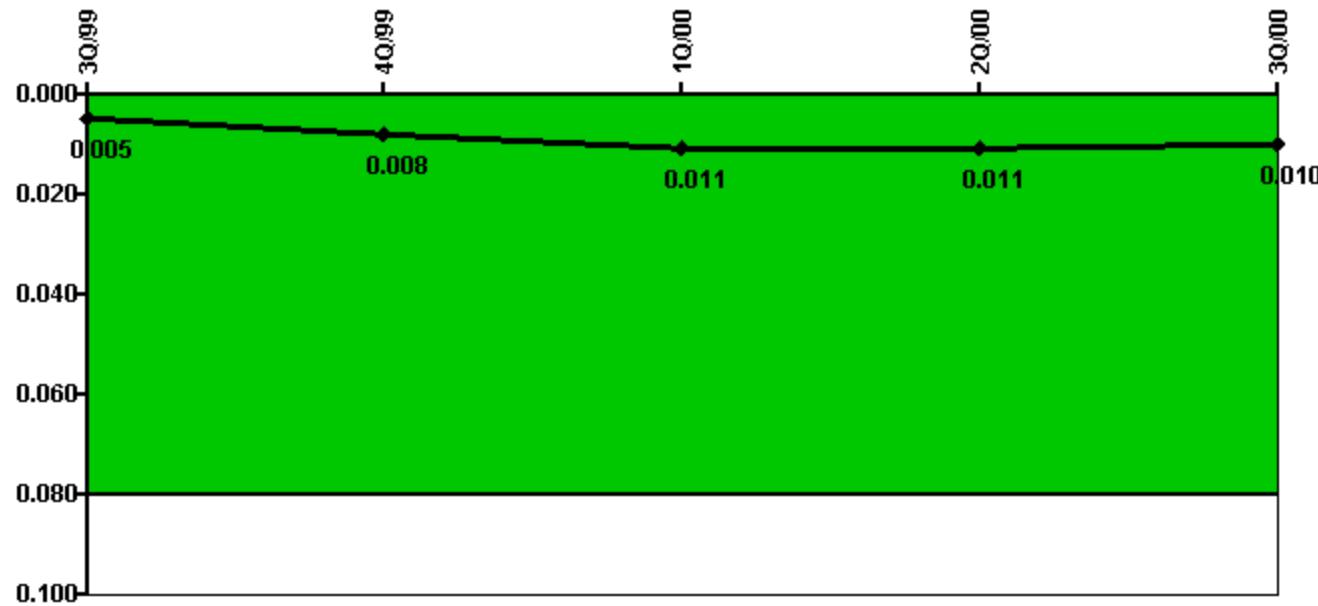
Thresholds: White > 1.0 Yellow > 3.0

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

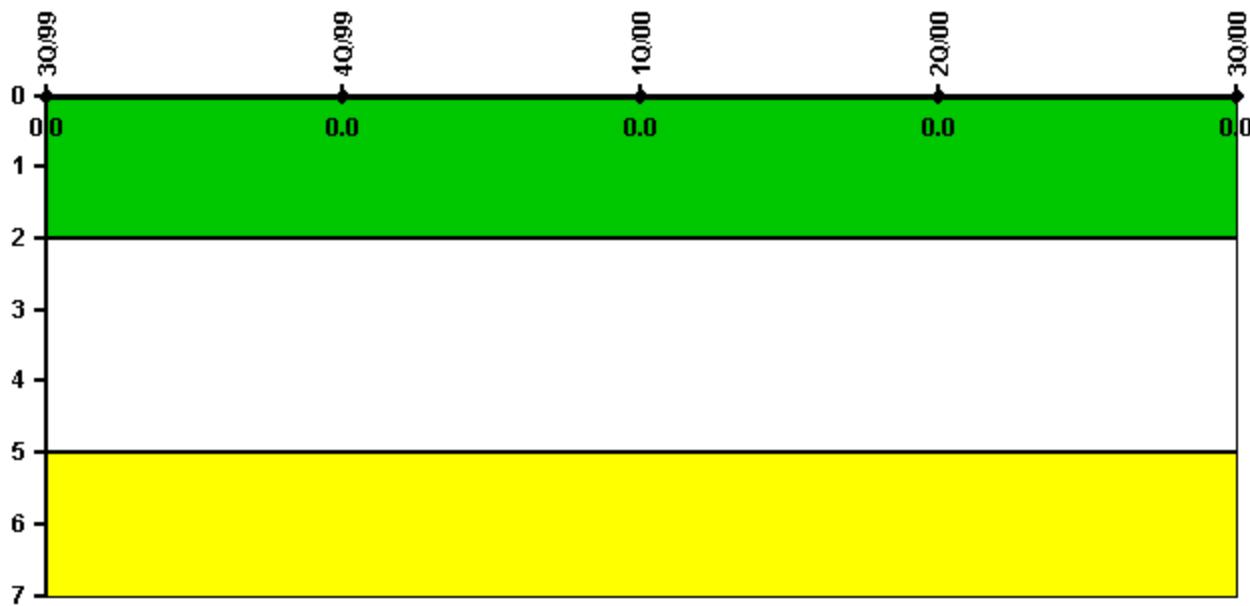
Notes

Protected Area Security Performance Index	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
IDS compensatory hours	60.70	106.30	63.20	17.90	21.60
CCTV compensatory hours	19.7	13.9	14.5	1.5	27.0
IDS normalization factor	1.65	1.65	1.70	1.70	1.70
CCTV normalization factor	1.0	1.0	1.1	1.1	1.1
Index Value	0.005	0.008	0.011	0.011	0.010

Licensee Comments:

3Q/00: After internal assessment and review, the Q3/2000 data was revised to include 5.5 IDS hours in July, an added 2 hours IDS in August, and an added 11 CCTV hours in August. These changes did not affect indicator color.

Personnel Screening Program

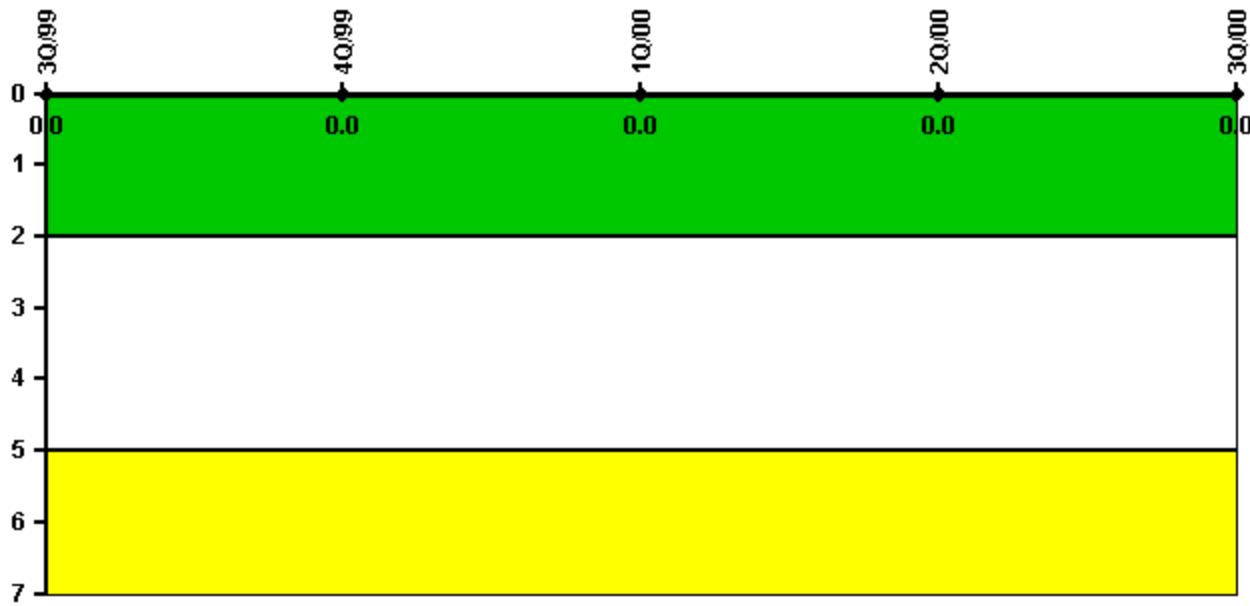


Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

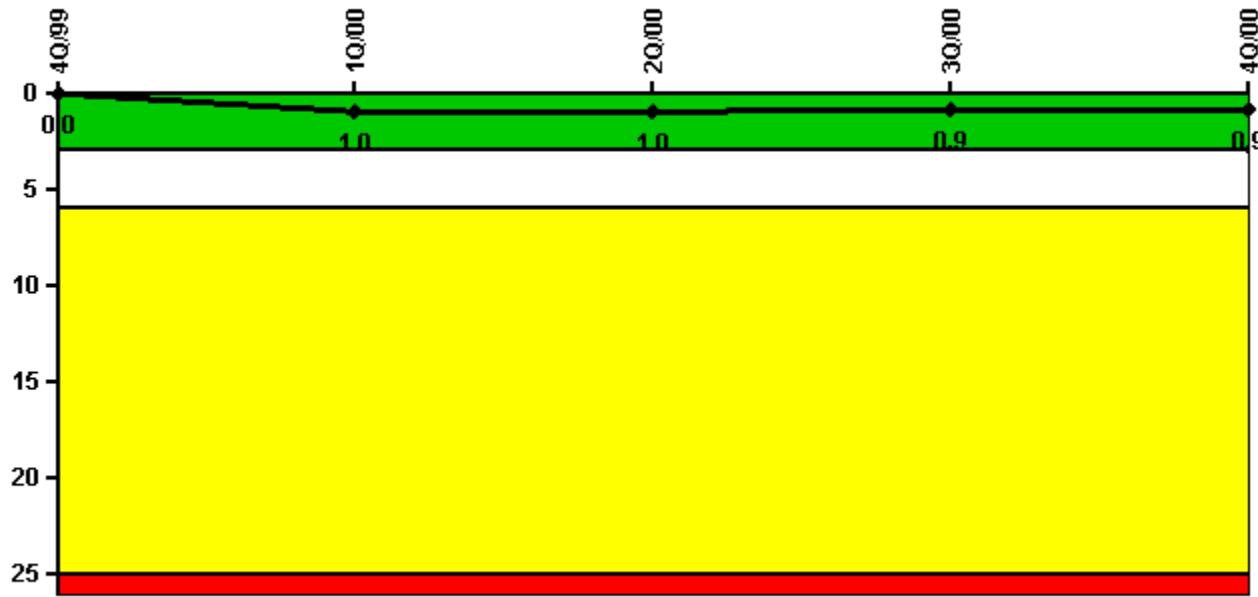


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Last Modified: March 29, 2002

Arkansas Nuclear 1**4Q/2000 Performance Indicators**

Licensee's General Comments: none

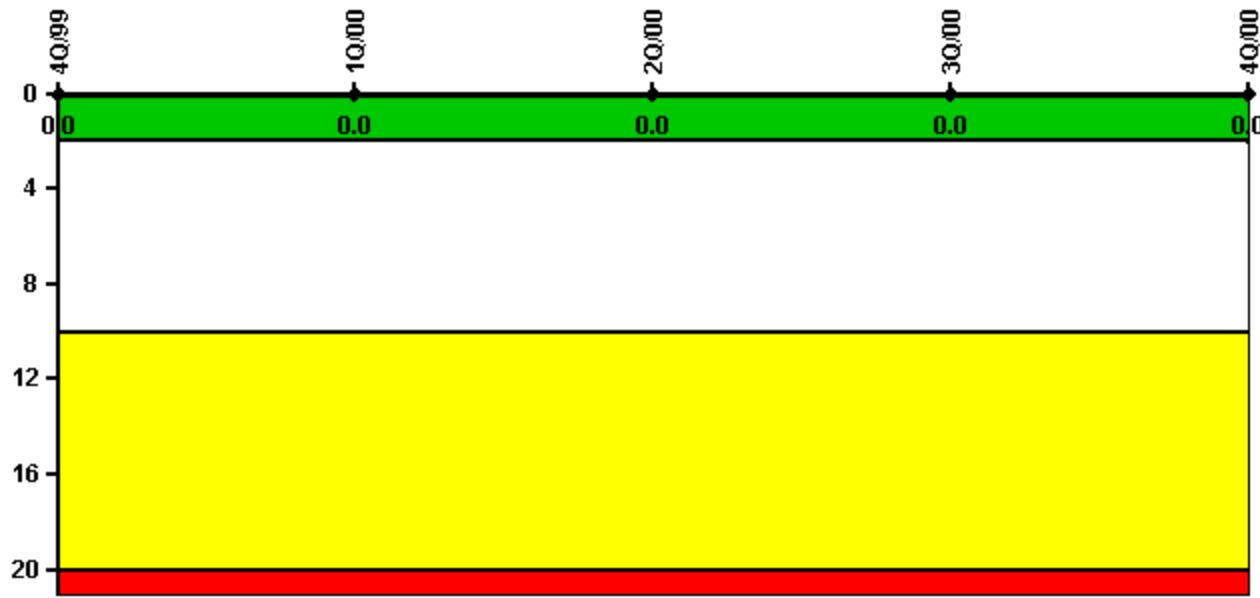
Unplanned Scrams per 7000 Critical Hrs

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	1.0	0	0	0
Critical hours	2004.8	1186.3	2183.0	2208.0	2209.0
Indicator value	0	1.0	1.0	0.9	0.9

Licensee Comments: none

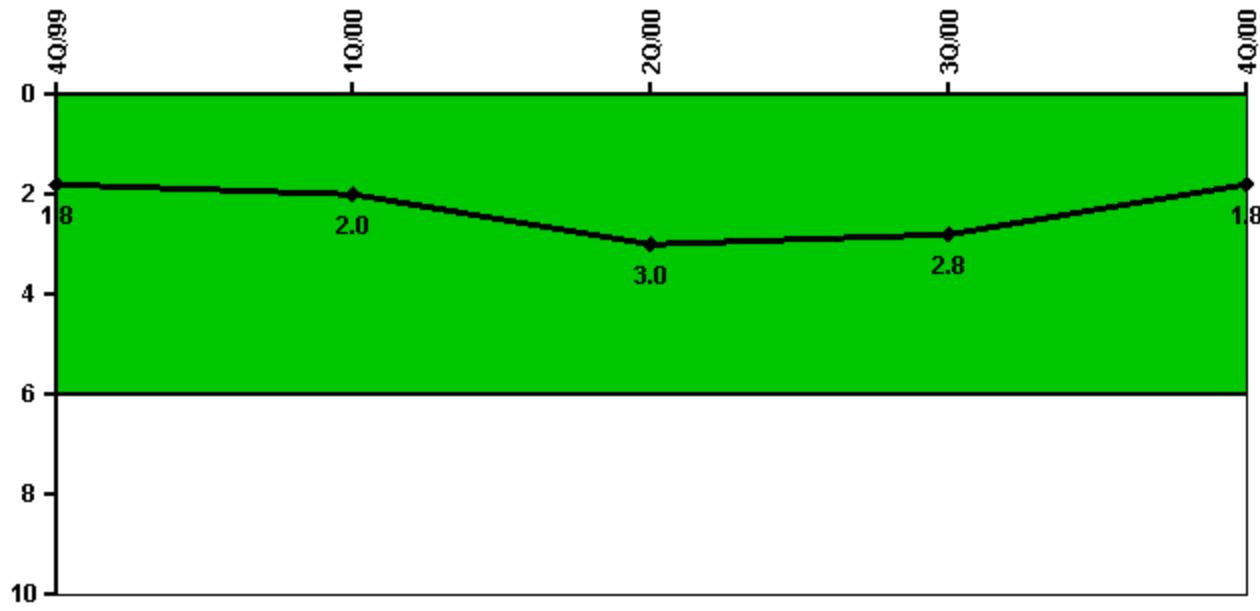
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/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

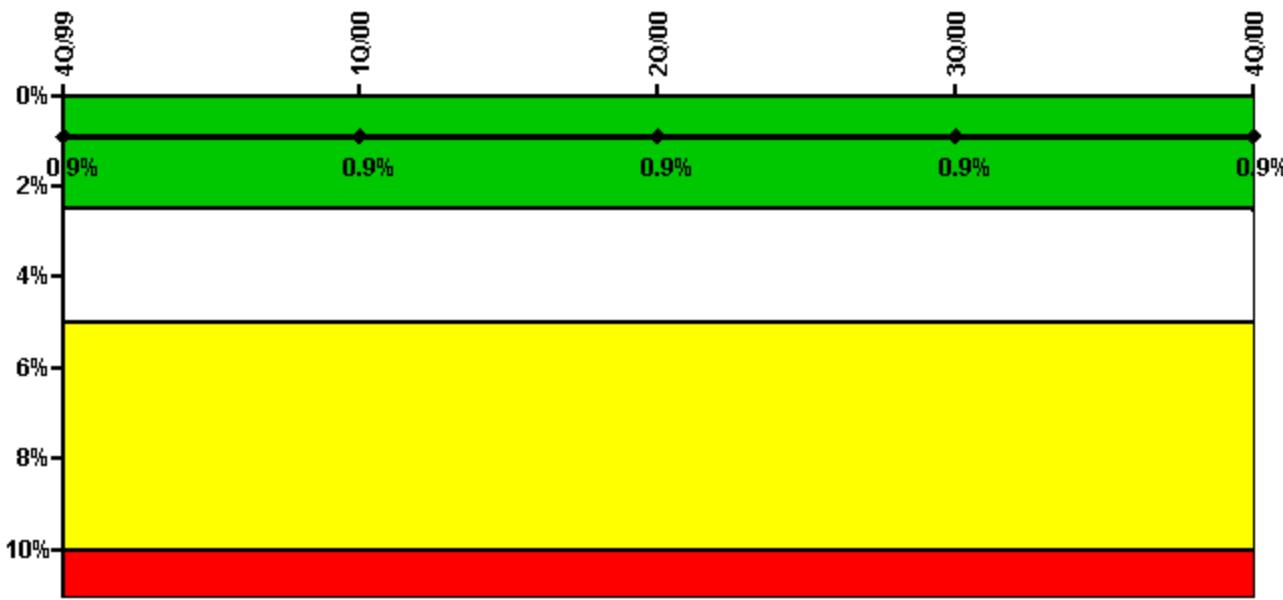
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Unplanned power changes	1.0	1.0	1.0	0	0
Critical hours	2004.8	1186.3	2183.0	2208.0	2209.0
Indicator value	1.8	2.0	3.0	2.8	1.8

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



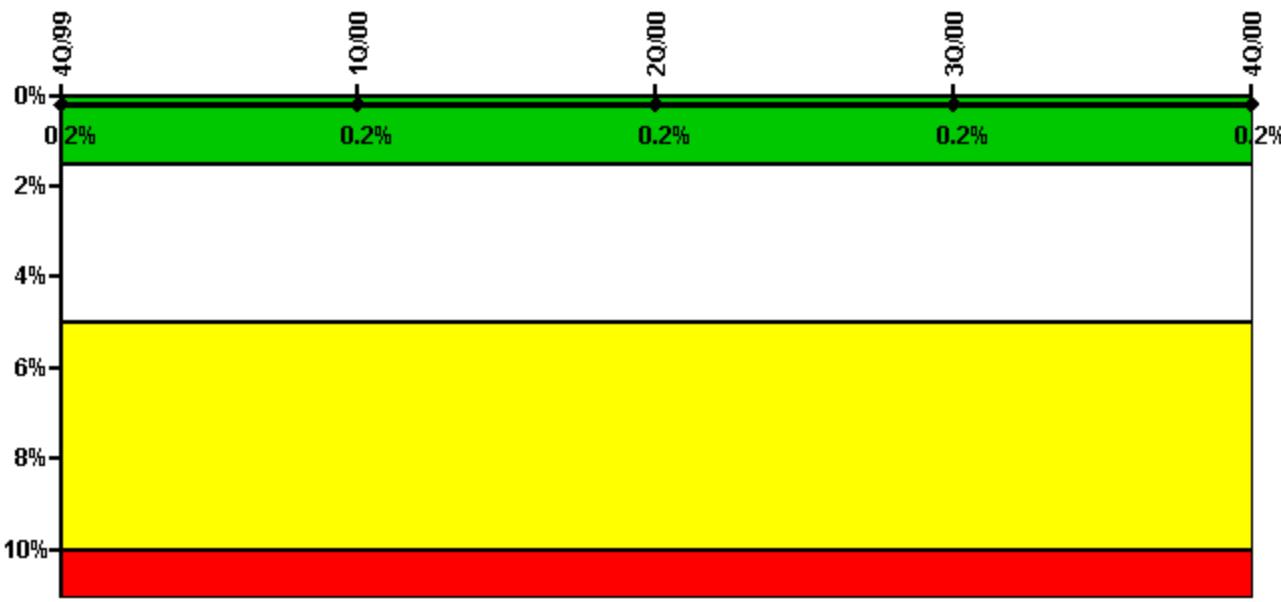
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	0	0.83	0.62	0.65	0.58
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2041.00	2184.00	2183.00	2208.00	2209.00
Train 2					
Planned unavailable hours	0	0.80	1.08	0.83	0.68
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	2041.00	2184.00	2183.00	2208.00	2209.00
Indicator value	0.9%	0.9%	0.9%	0.9%	0.9%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



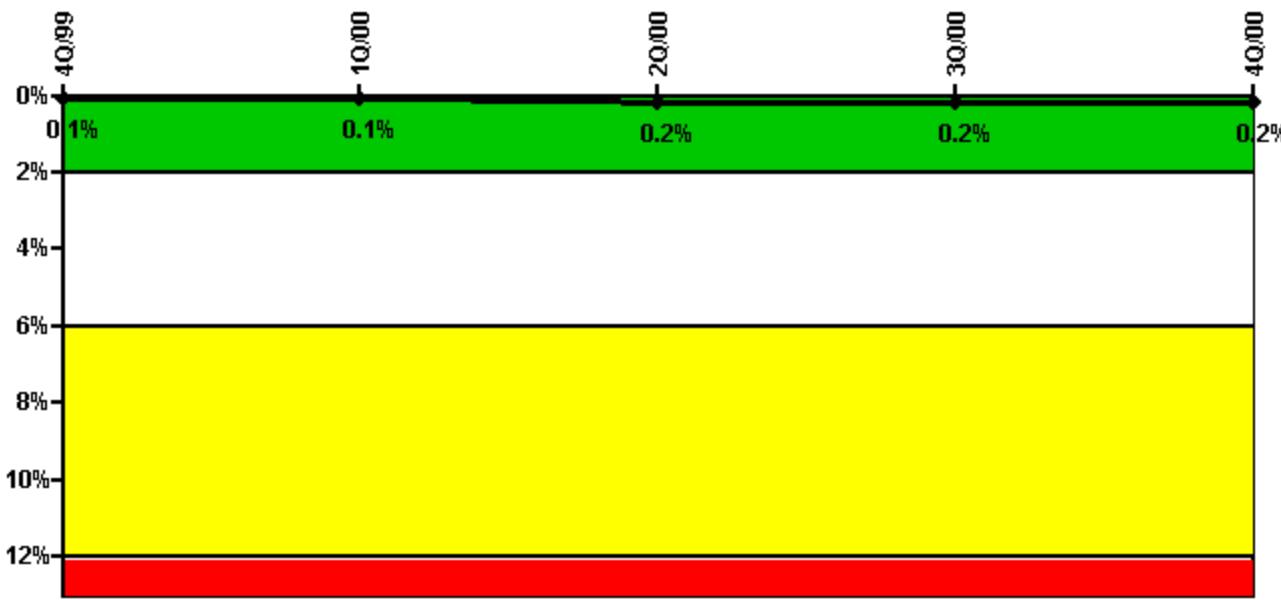
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	0	0	5.58	13.75	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	2033.00	1326.40	2183.00	2208.00	2209.00
Train 2					
Planned unavailable hours	0	0	0	10.88	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	2033.00	1326.40	2183.00	2208.00	2209.00
Indicator value	0.2%	0.2%	0.2%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



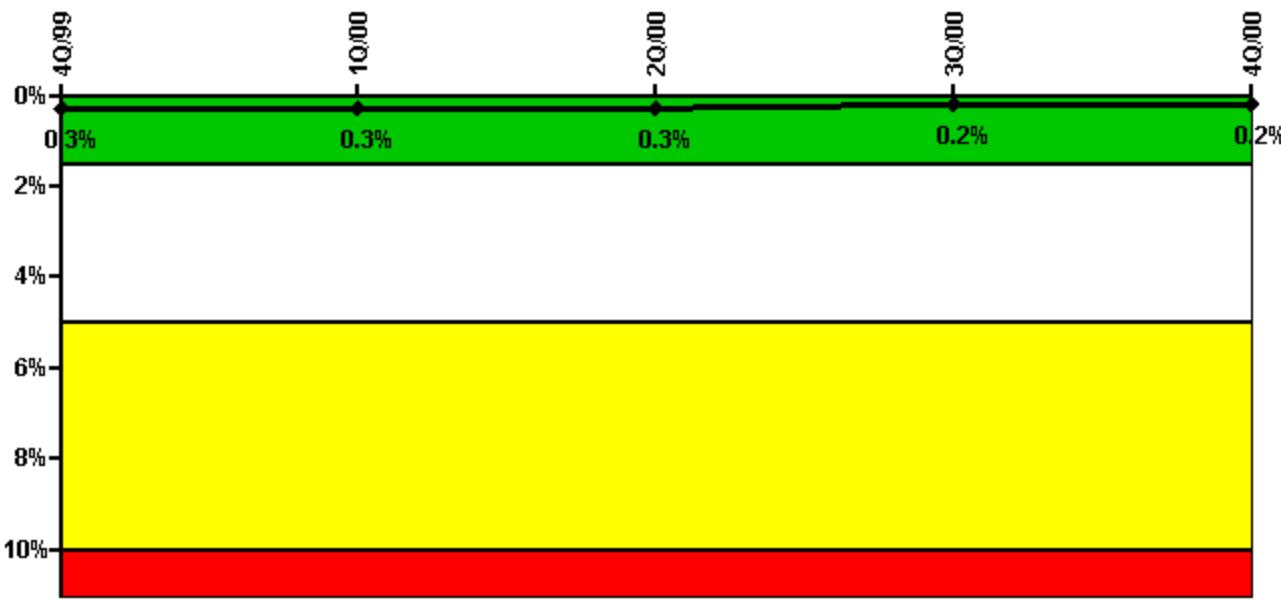
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	12.23	12.50	17.50	0.20	0
Unplanned unavailable hours	0	0	9.30	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2001.10	1328.00	2183.00	2208.00	2209.00
Train 2					
Planned unavailable hours	0	0	5.50	11.20	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	2001.10	1431.70	2183.00	2208.00	2209.00
Indicator value	0.1%	0.1%	0.2%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

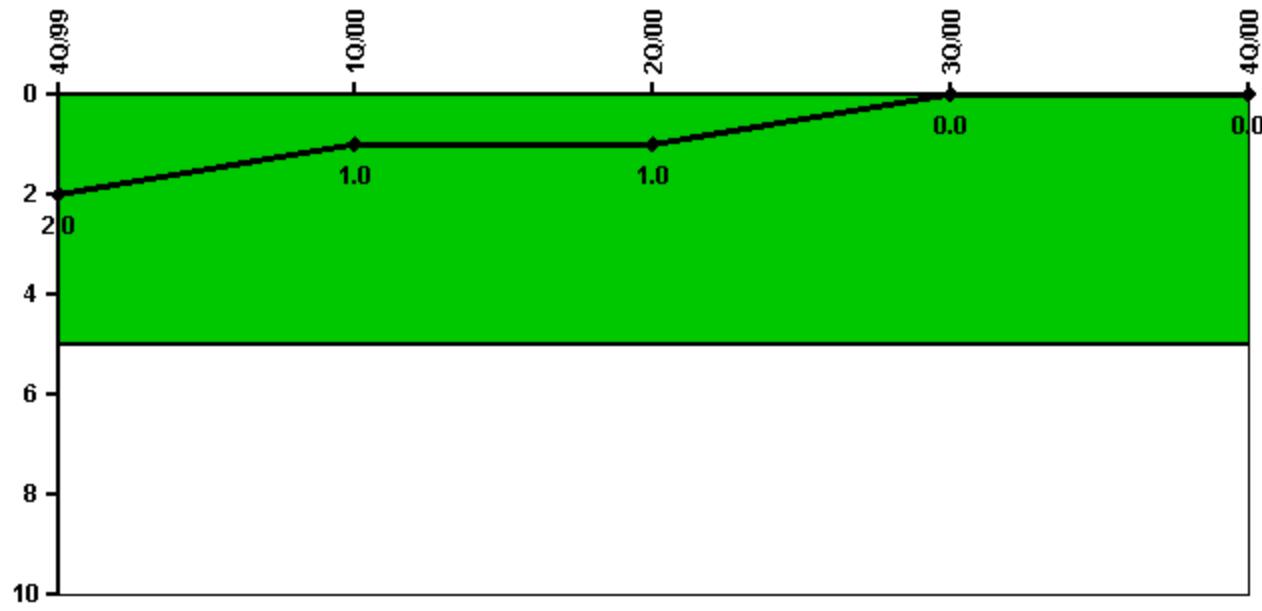


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System		4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1						
Planned unavailable hours		0	15.10	0	0	1.83
Unplanned unavailable hours		0	0	0	0	0
Fault exposure hours		0	0	0	0	0
Effective Reset hours		0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	2209.00
Train 2						
Planned unavailable hours		0	0	0.10	18.60	2.20
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		2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value		0.3%	0.3%	0.3%	0.2%	0.2%

Licensee Comments: none

Safety System Functional Failures (PWR)

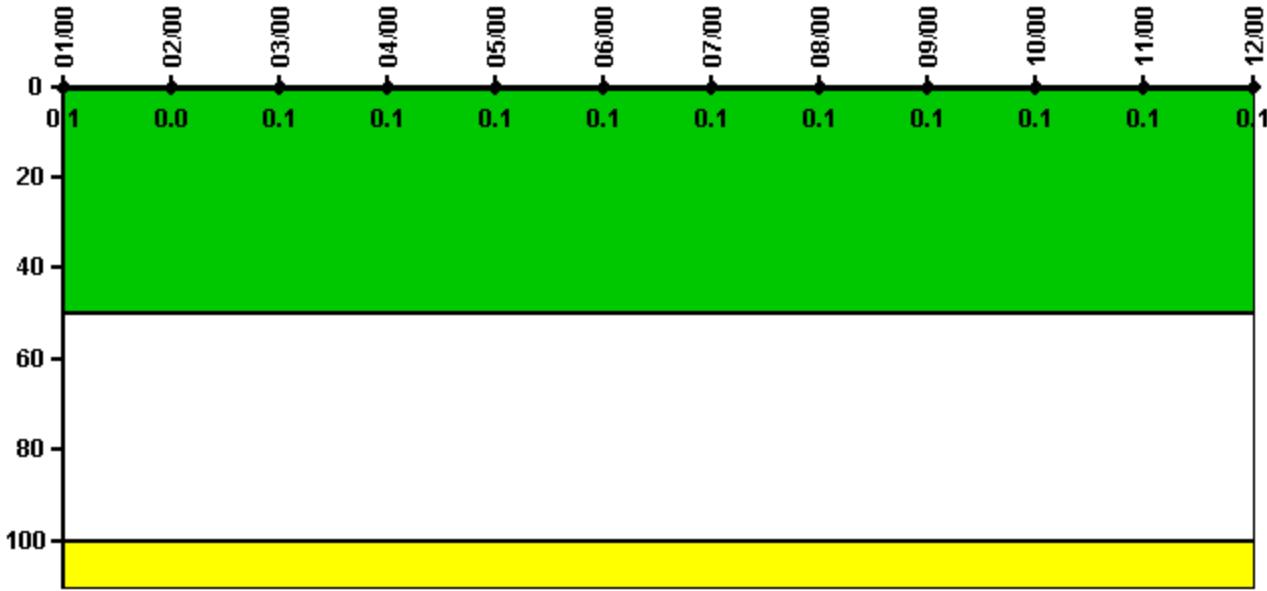
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

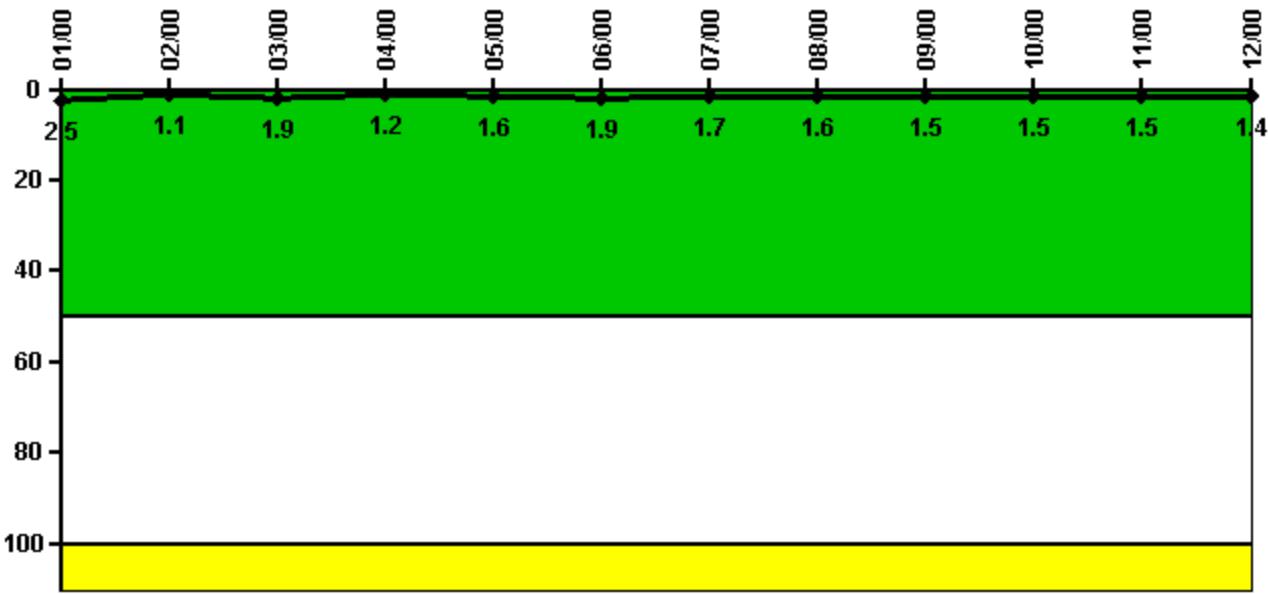


Thresholds: White > 50.0 Yellow > 100.0

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	0.001910	0.001440	0.002030	0.002040	0.002300	0.002360	0.002420	0.002610	0.002780	0.002720	0.002840	0.003020
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
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

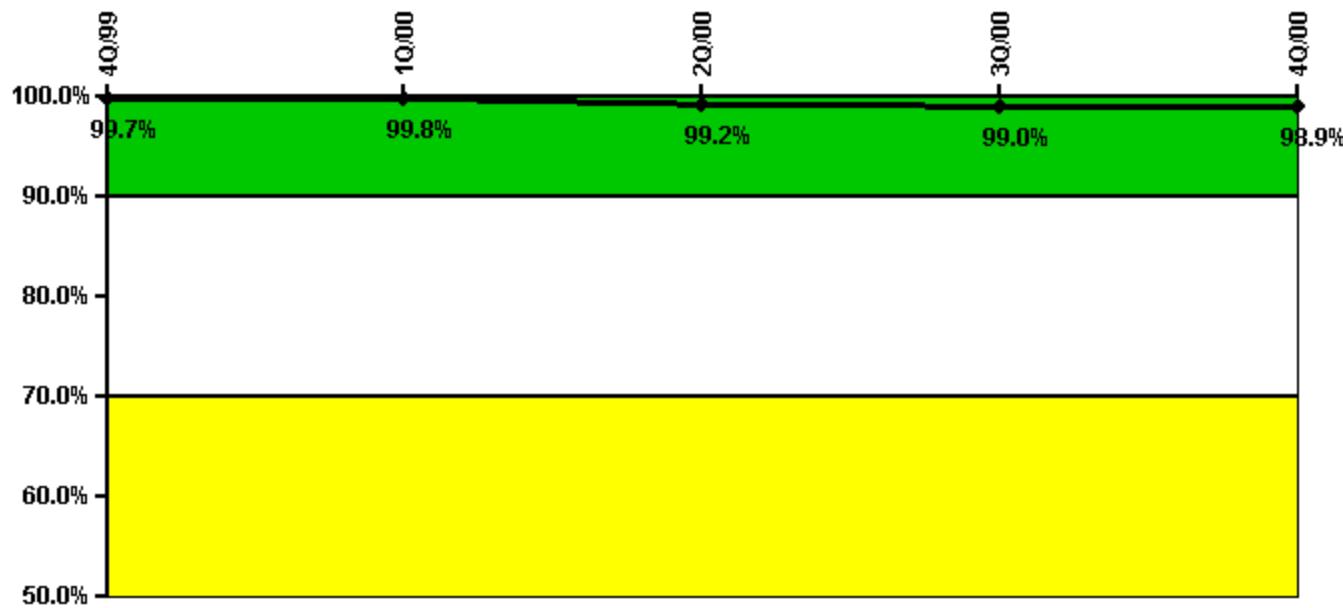
Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.250	0.110	0.190	0.116	0.162	0.190	0.167	0.158	0.149	0.153	0.145	0.141
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	2.5	1.1	1.9	1.2	1.6	1.9	1.7	1.6	1.5	1.5	1.5	1.4

Licensee Comments: none

Drill/Exercise Performance

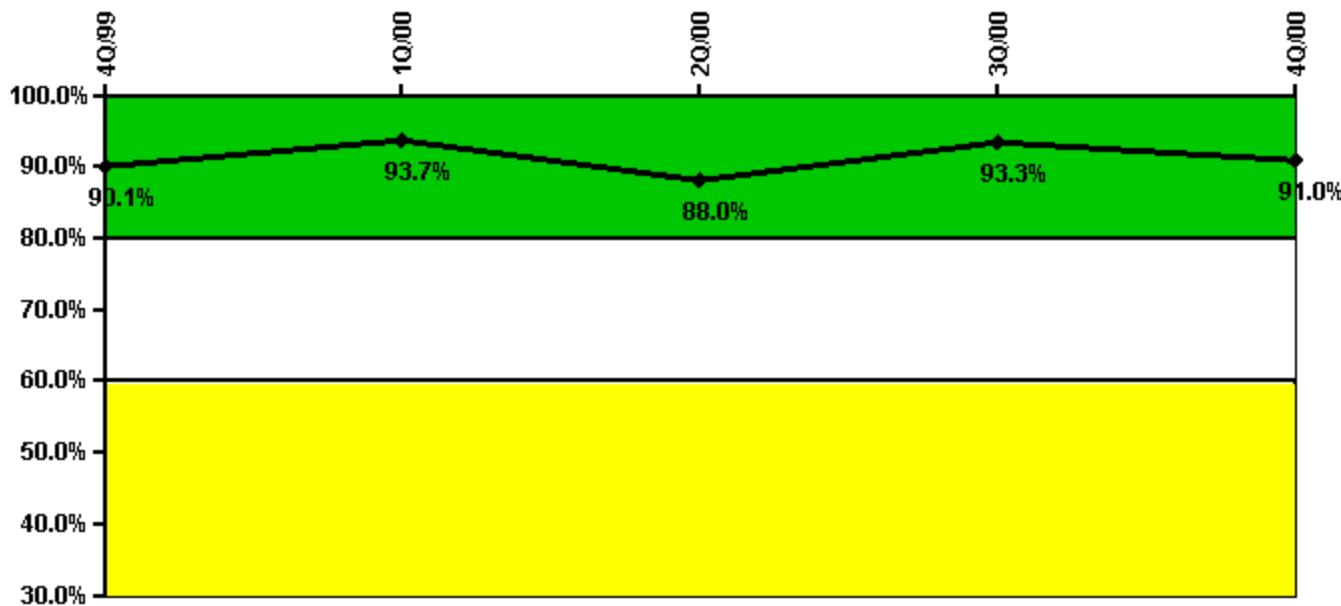
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful opportunities	35.0	96.0	82.0	55.0	16.0
Total opportunities	35.0	96.0	85.0	56.0	16.0
Indicator value	99.7%	99.8%	99.2%	99.0%	98.9%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

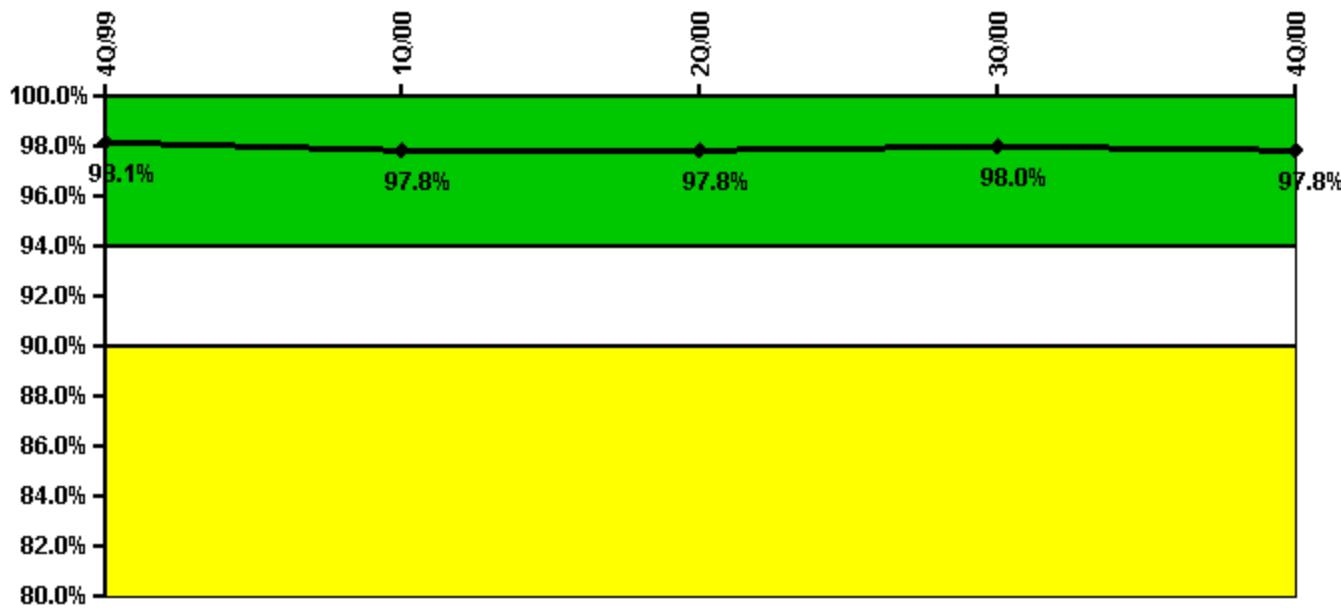
Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Participating Key personnel	109.0	118.0	88.0	98.0	101.0
Total Key personnel	121.0	126.0	100.0	105.0	111.0
Indicator value	90.1%	93.7%	88.0%	93.3%	91.0%

Licensee Comments:

3Q/00: After internal assessment and review, Q3/2000 data was revised from 103 to 98 ERO members participating. This change did not affect the indicator color.

2Q/00: After internal assessment and review, Q2/2000 data was revised from 92 to 88 ERO members participating. This change did not affect the indicator color.

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	143	144	145	144	142
Total sirens-tests	147	147	147	147	147
Indicator value	98.1%	97.8%	97.8%	98.0%	97.8%

Licensee Comments: none

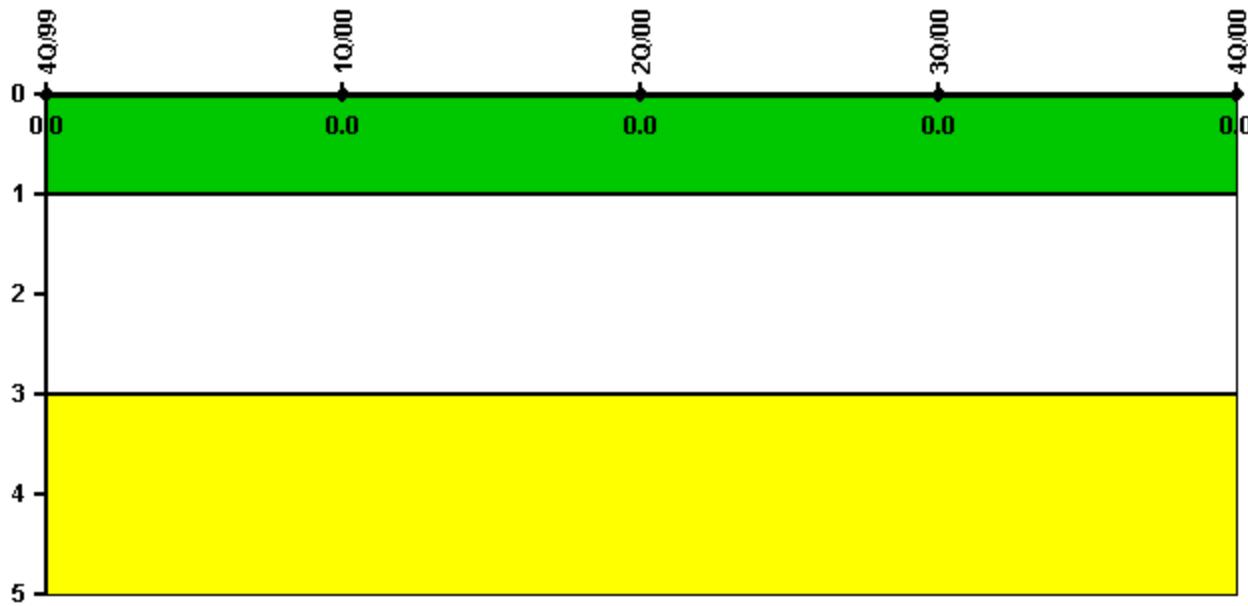
Occupational Exposure Control Effectiveness

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

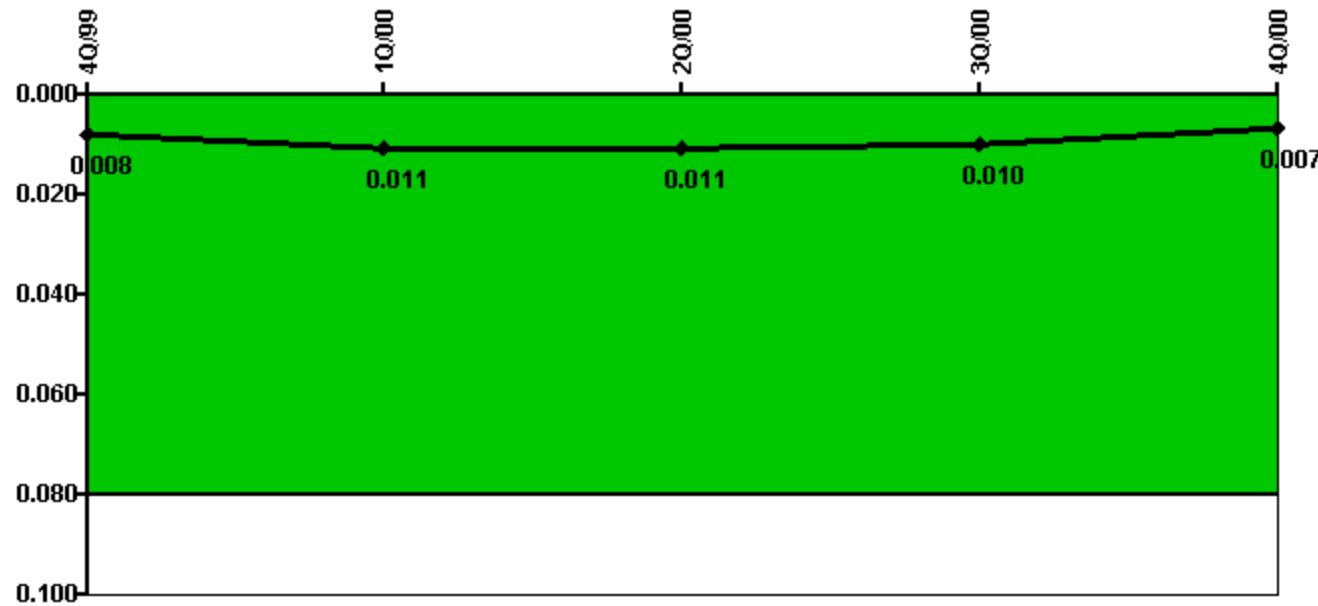
Thresholds: White > 1.0 Yellow > 3.0

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

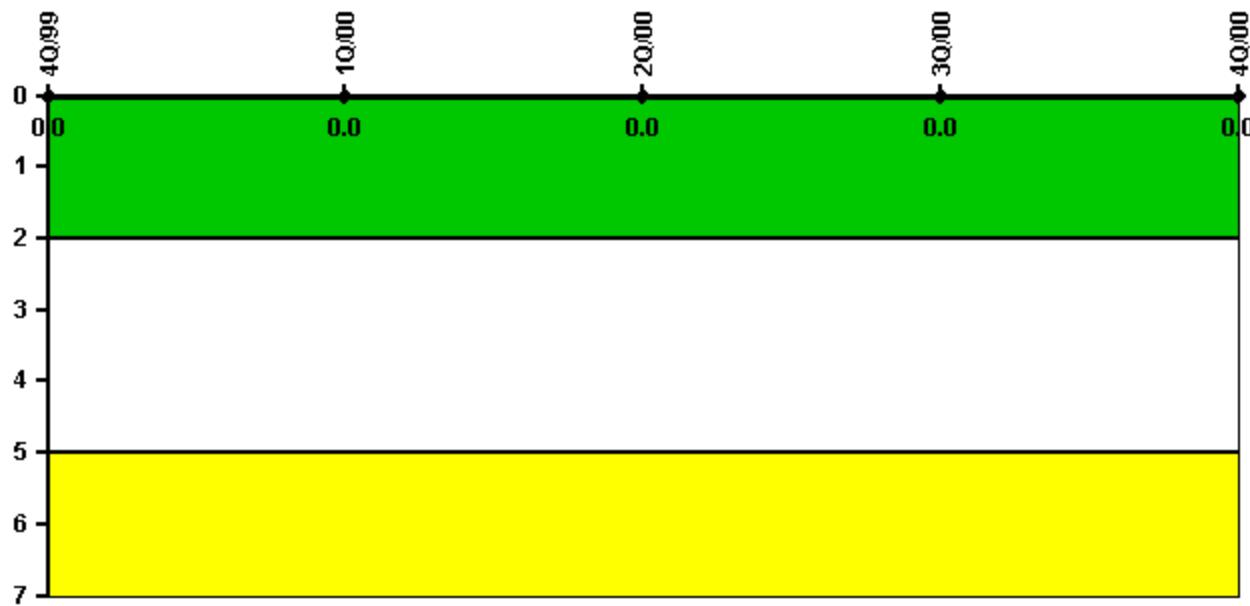
Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
IDS compensatory hours	106.30	63.20	17.90	21.60	39.50
CCTV compensatory hours	13.9	14.5	1.5	27.0	4.5
IDS normalization factor	1.65	1.70	1.70	1.70	1.70
CCTV normalization factor	1.0	1.1	1.1	1.1	1.1
Index Value	0.008	0.011	0.011	0.010	0.007

Licensee Comments:

3Q/00: After internal assessment and review, the Q3/2000 data was revised to include 5.5 IDS hours in July, an added 2 hours IDS in August, and an added 11 CCTV hours in August. These changes did not affect indicator color.

Personnel Screening Program



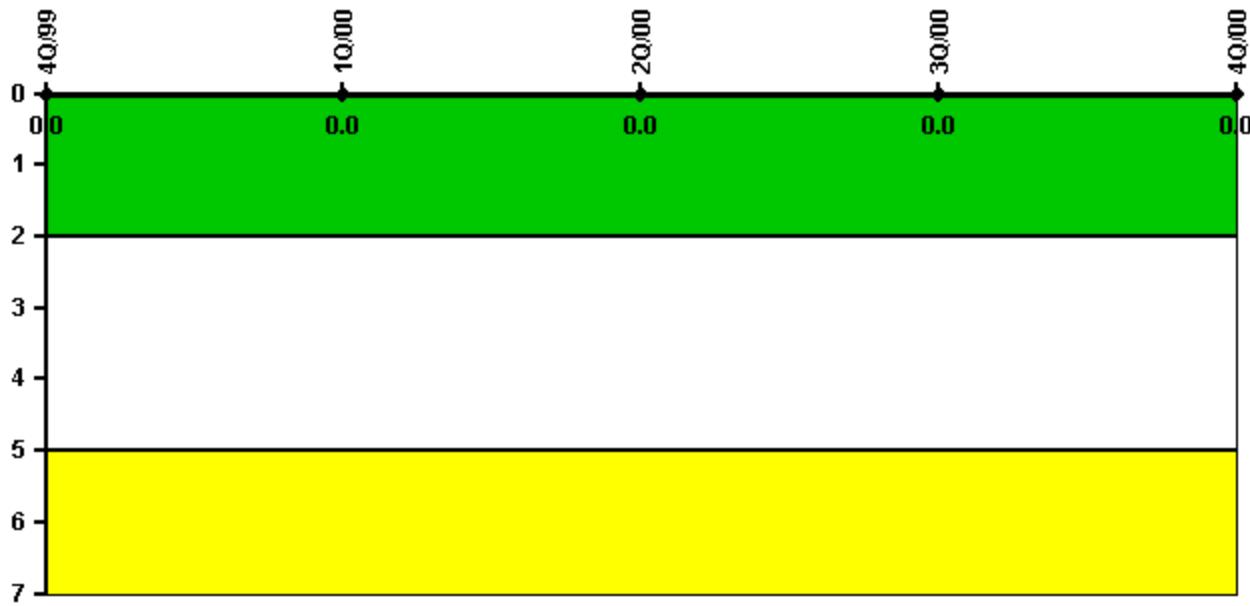
Thresholds: White > 2.0 Yellow > 5.0

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

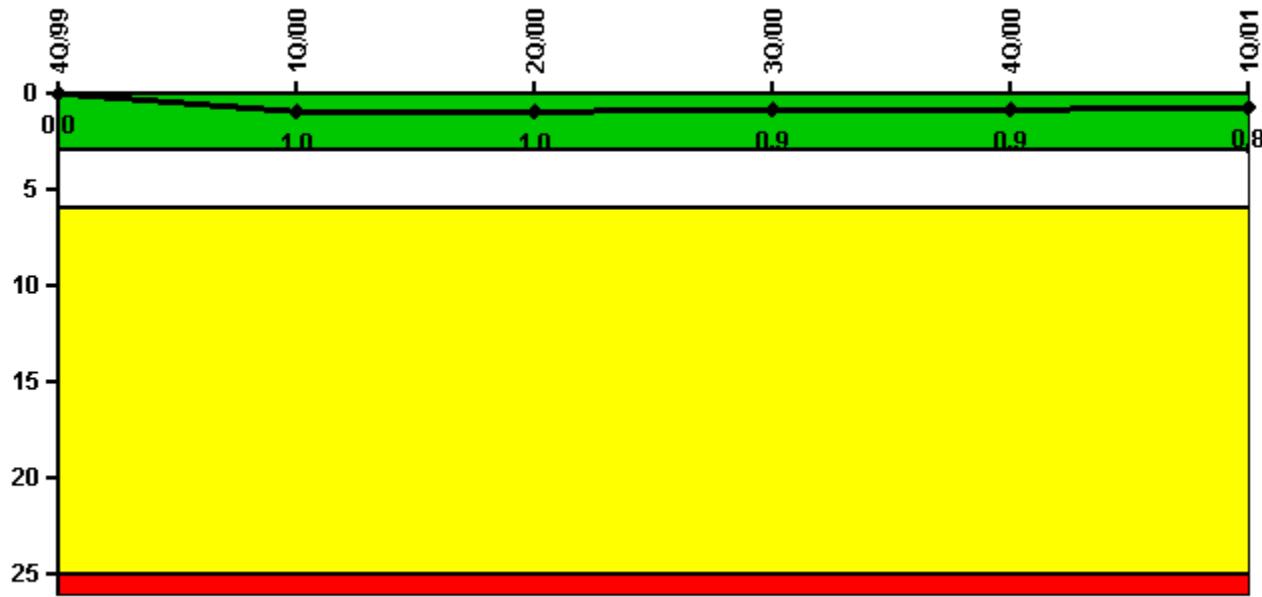


[PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 28, 2002

Arkansas Nuclear 1**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	1.0	0	0	0	1.0
Critical hours	2004.8	1186.3	2183.0	2208.0	2209.0	1766.6
Indicator value	0	1.0	1.0	0.9	0.9	0.8

Licensee Comments: none

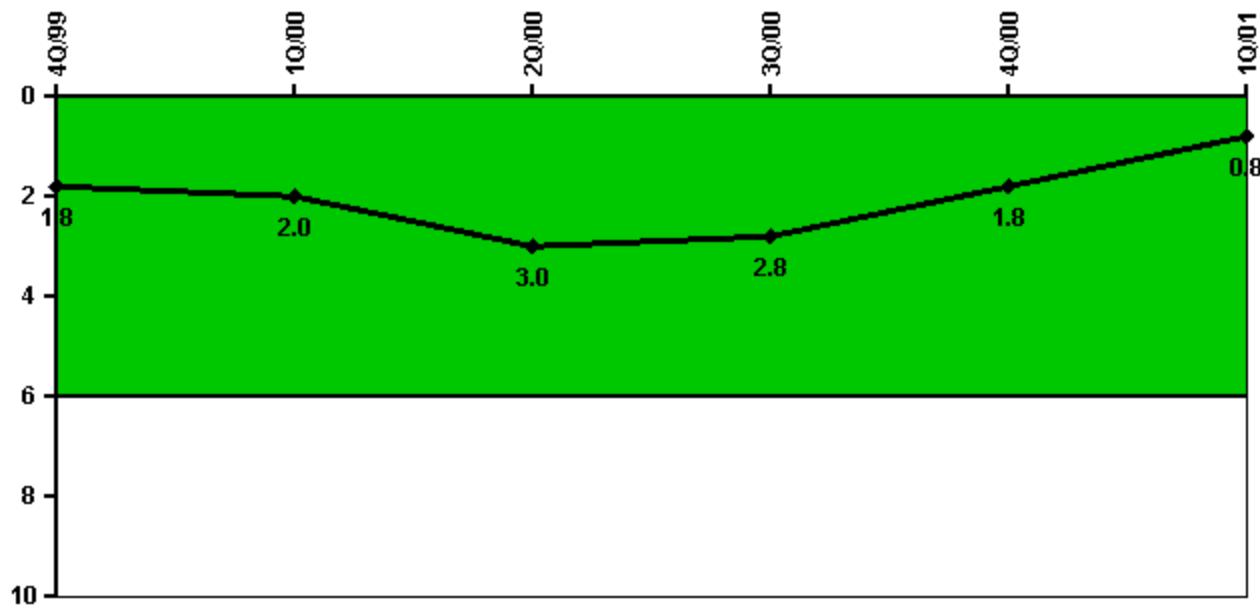
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

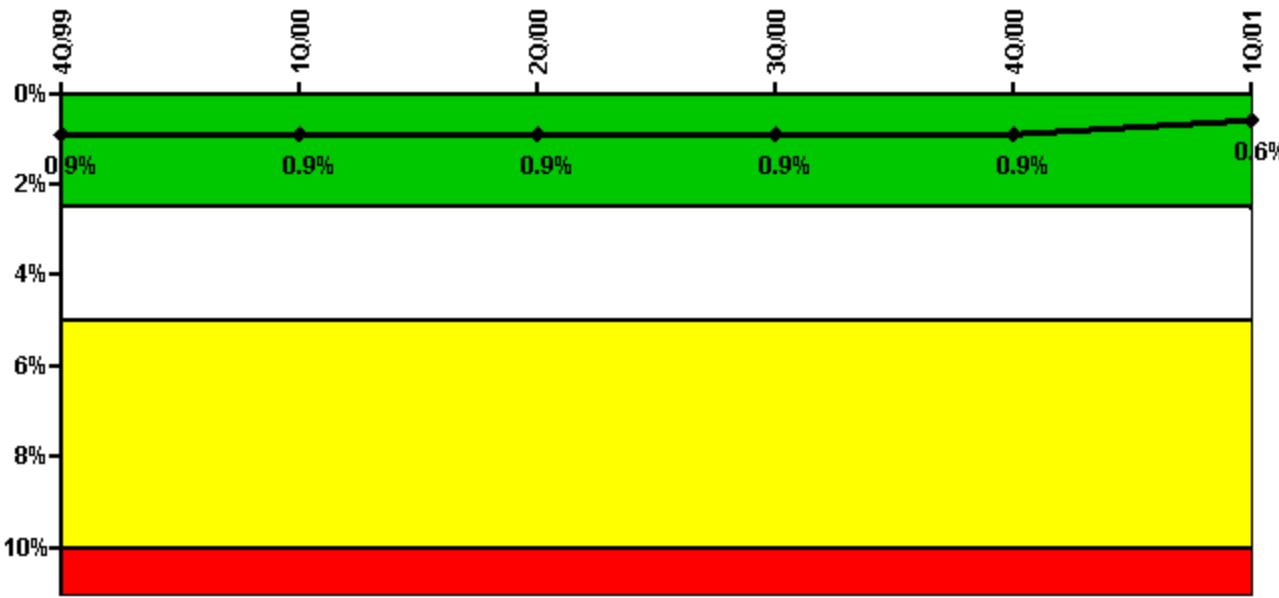
Thresholds: White > 6.0

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	1.0	1.0	0	0	0
Critical hours	2004.8	1186.3	2183.0	2208.0	2209.0	1766.6
Indicator value	1.8	2.0	3.0	2.8	1.8	0.8

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



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

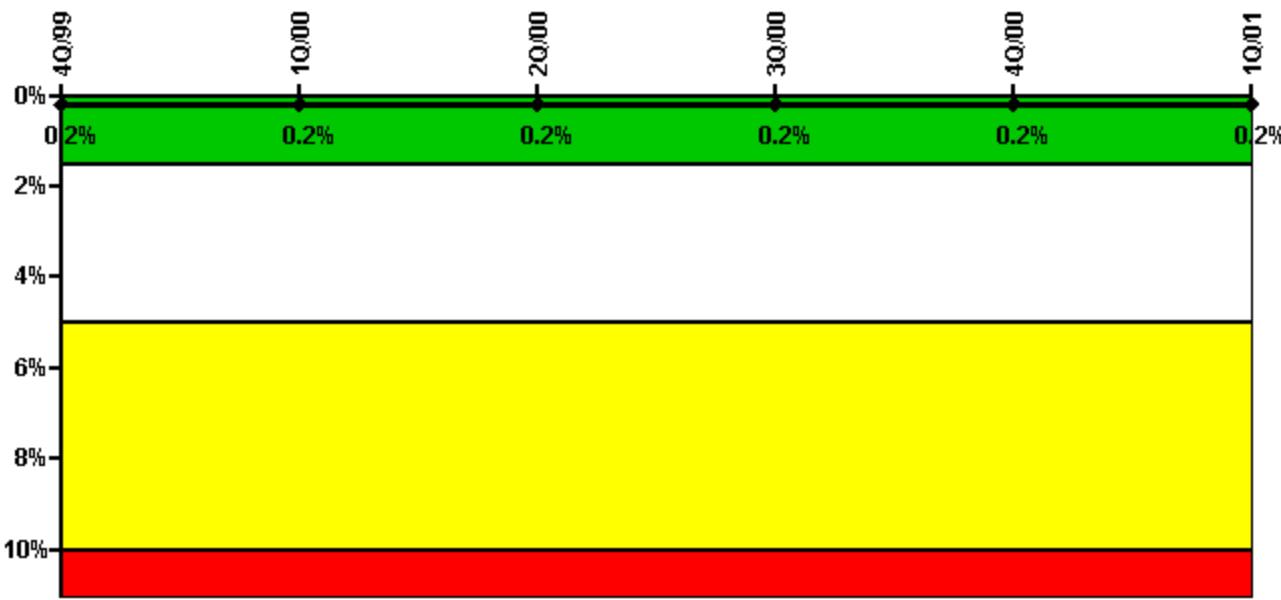
Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	0	0.83	0.62	0.65	0.58	1.80
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	2041.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	0	0.80	1.08	0.83	0.68	1.17
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	2041.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.9%	0.9%	0.9%	0.9%	0.9%	0.6%

Licensee Comments:

1Q/01: Based on qualified vendor failure analysis and an Arkansas Nuclear One review of a previously reported Emergency Diesel Generator Speed Switch failure on Train 2, it has been determined that the switch failure occurred during calibration efforts after being removed from the engine control cabinet. As such, previously reported fault exposure hours have been removed from Train 2 for January and February.

Safety System Unavailability, High Pressure Injection System (HPSI)



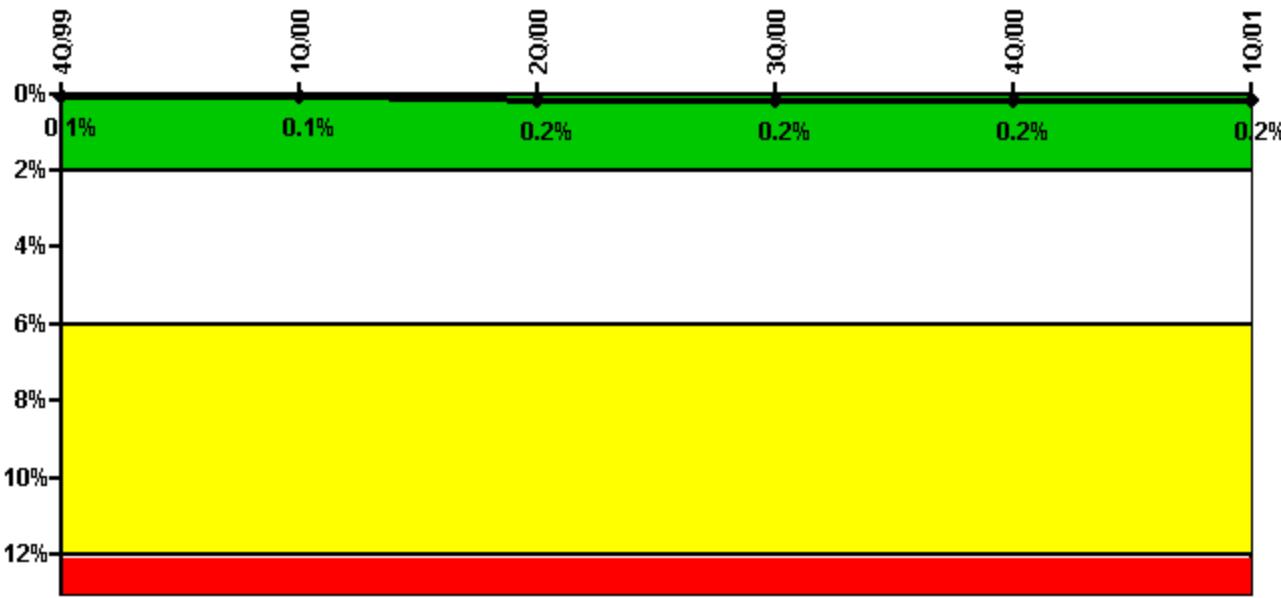
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	0	0	5.58	13.75	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	2033.00	1326.40	2183.00	2208.00	2209.00	1766.60
Train 2						
Planned unavailable hours	0	0	0	10.88	0	3.60
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	2033.00	1326.40	2183.00	2208.00	2209.00	1766.60
Indicator value	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



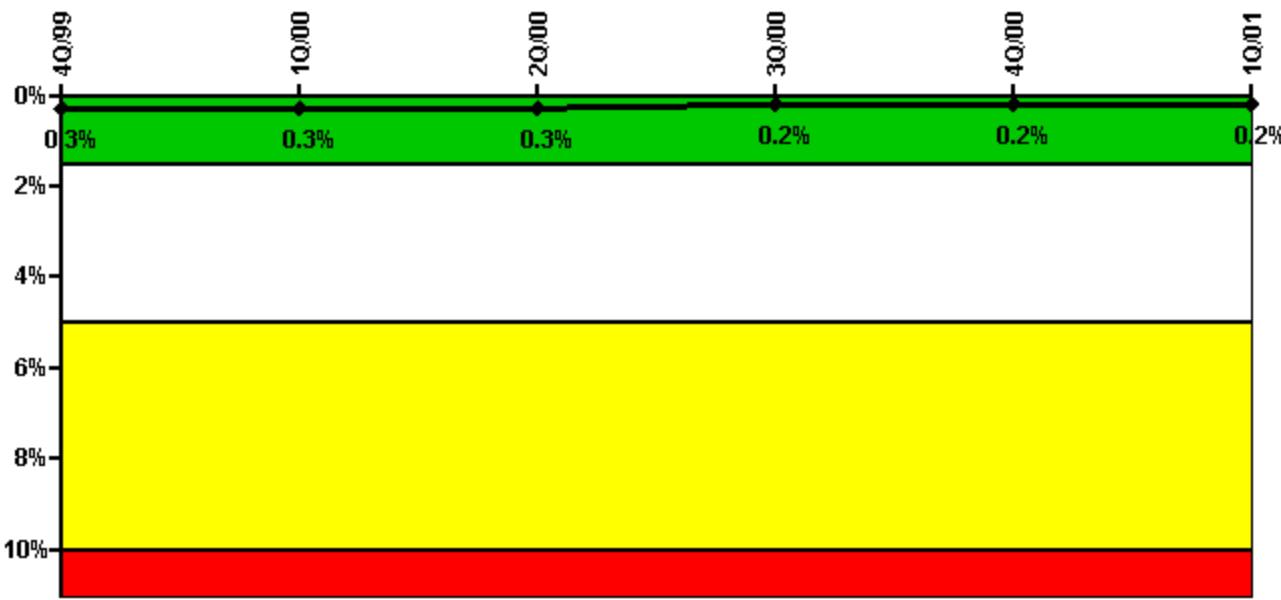
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)		4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1							
Planned unavailable hours		12.23	12.50	17.50	0.20	0	0
Unplanned unavailable hours		0	0	9.30	0	0	2.30
Fault exposure hours		0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0
Required hours		2001.10	1328.00	2183.00	2208.00	2209.00	1818.10
Train 2							
Planned unavailable hours		0	0	5.50	11.20	0	7.20
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		2001.10	1431.70	2183.00	2208.00	2209.00	1821.30
Indicator value		0.1%	0.1%	0.2%	0.2%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

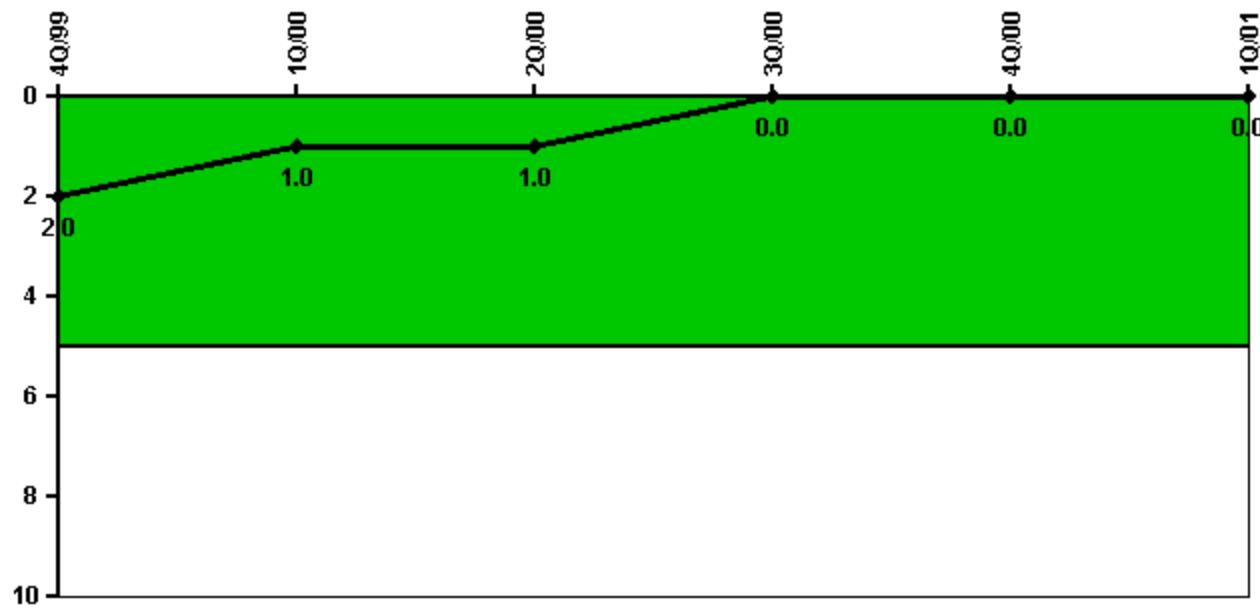


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System		4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1							
Planned unavailable hours		0	15.10	0	0	1.83	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	2209.00	2160.00
Train 2							
Planned unavailable hours		0	0	0.10	18.60	2.20	0
Unplanned unavailable hours		0	0	0	0	0	28.25
Fault exposure hours		0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value		0.3%	0.3%	0.3%	0.2%	0.2%	0.2%

Licensee Comments: none

Safety System Functional Failures (PWR)

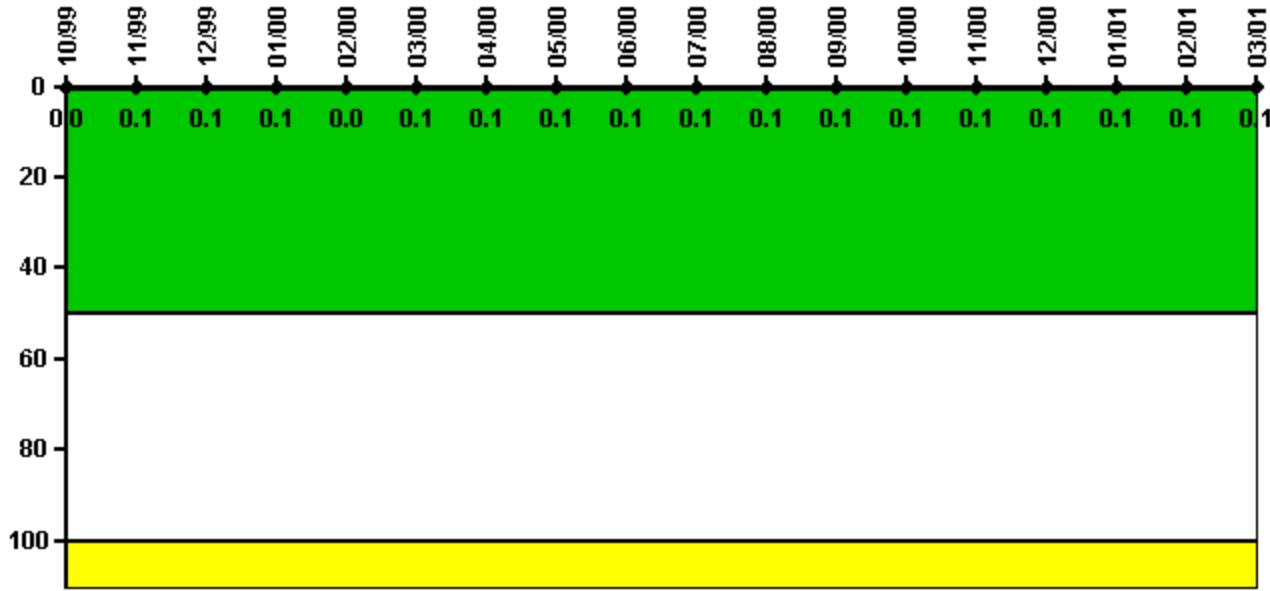
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

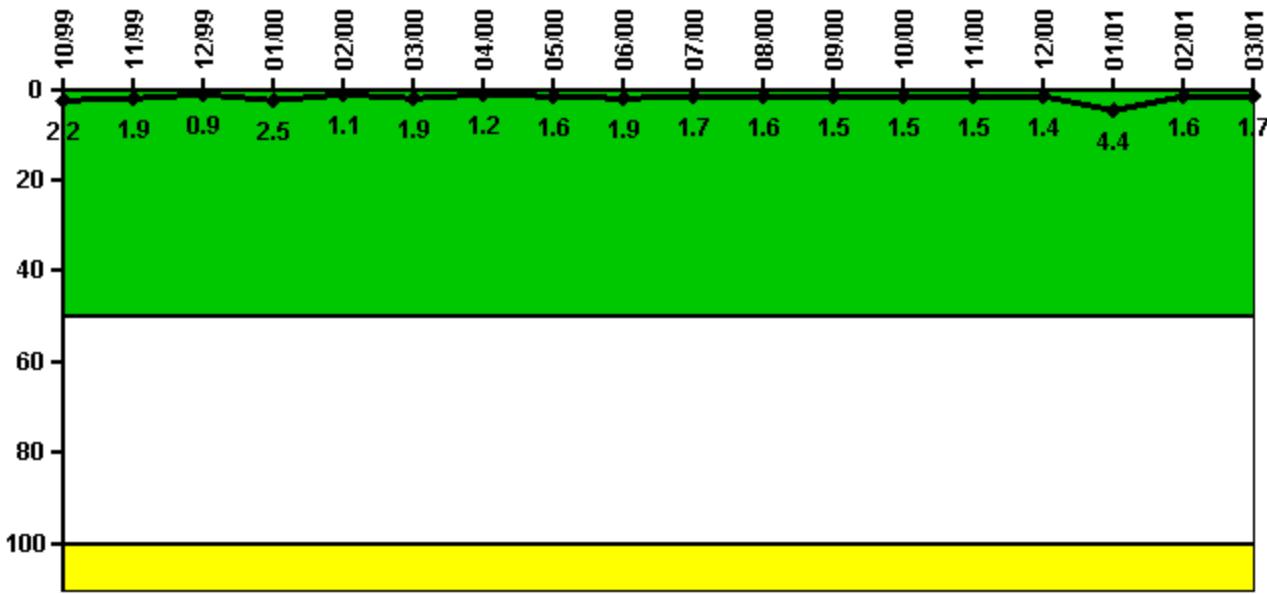
Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.001710	0.001770	0.001900	0.001910	0.001440	0.002030	0.002040	0.002300	0.002360	0.002420	0.002610	0.002780
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.002720	0.002840	0.003020	0.003100	0.003170	0.003710
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	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

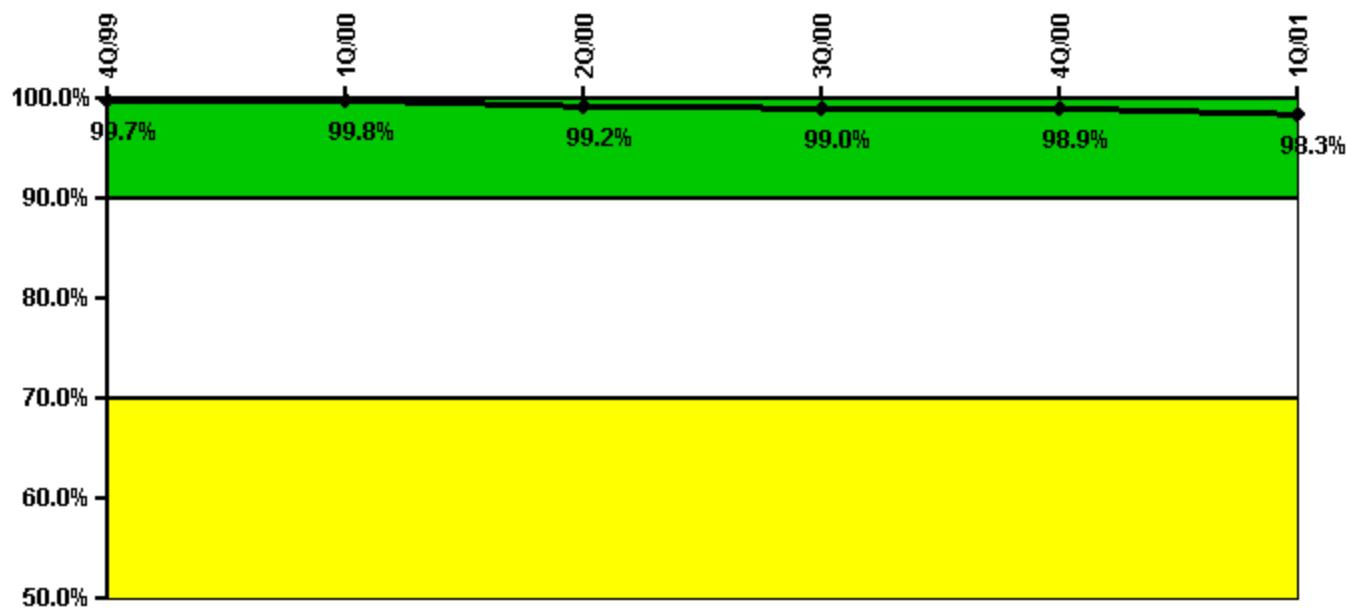
Notes

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	0.221	0.188	0.089	0.250	0.110	0.190	0.116	0.162	0.190	0.167	0.158	0.149
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	1.9	0.9	2.5	1.1	1.9	1.2	1.6	1.9	1.7	1.6	1.5

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0.153	0.145	0.141	0.438	0.161	0.165
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.5	1.5	1.4	4.4	1.6	1.7

Licensee Comments:

3/01: An internal review of 1st quarter 2001 data revealed that a January leakrate performed at low power should have been counted as the highest RCS leakrate for the month. As such, the maximum January 2001 RCS Leakrate was revised from 0.197 to 0.438 GPM.

Drill/Exercise Performance

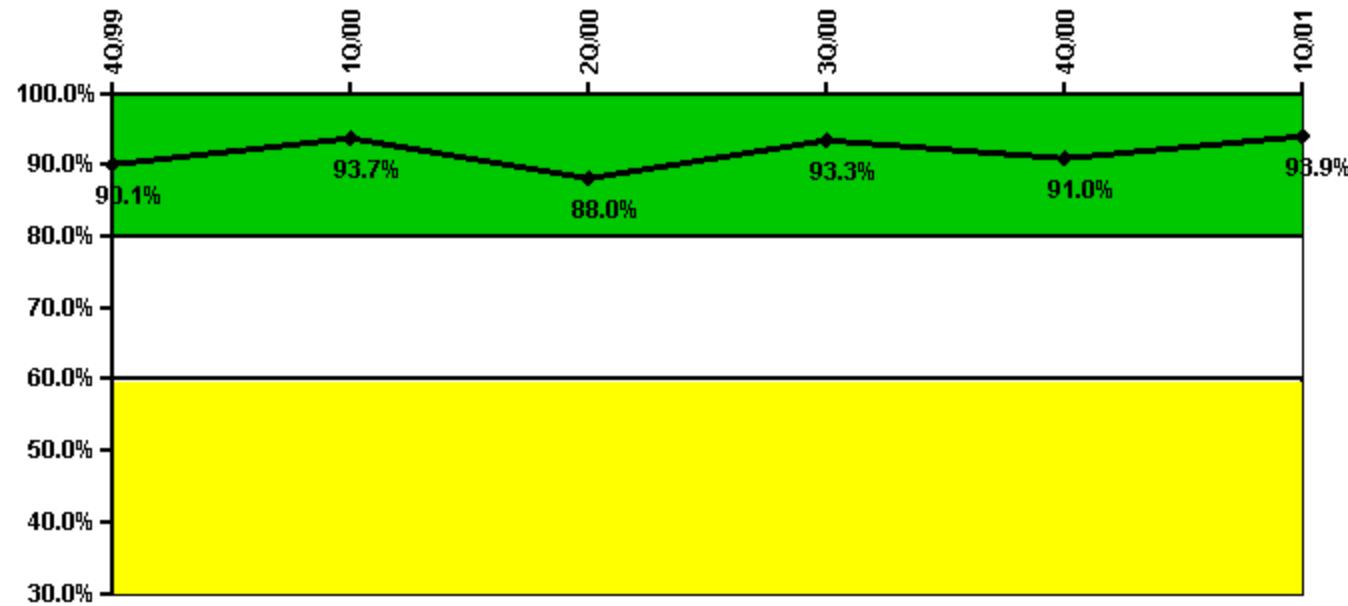
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful opportunities	35.0	96.0	82.0	55.0	16.0	37.0
Total opportunities	35.0	96.0	85.0	56.0	16.0	40.0
Indicator value	99.7%	99.8%	99.2%	99.0%	98.9%	98.3%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

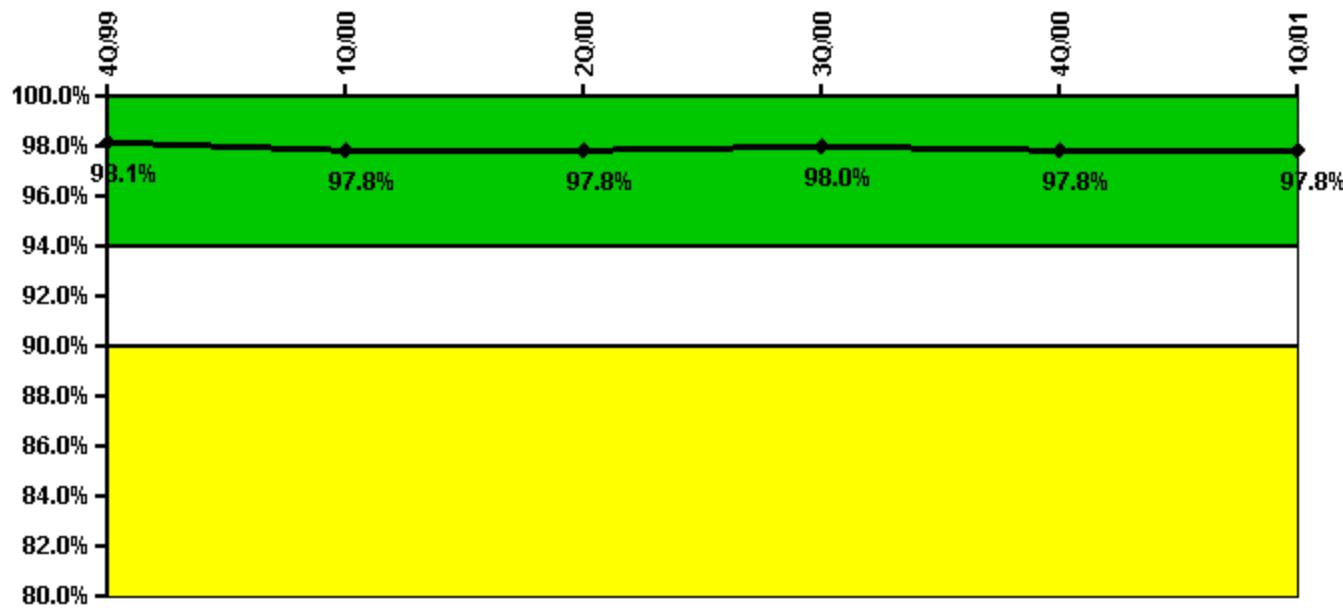
Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Participating Key personnel	109.0	118.0	88.0	98.0	101.0	107.0
Total Key personnel	121.0	126.0	100.0	105.0	111.0	114.0
Indicator value	90.1%	93.7%	88.0%	93.3%	91.0%	93.9%

Licensee Comments:

3Q/00: After internal assessment and review, Q3/2000 data was revised from 103 to 98 ERO members participating. This change did not affect the indicator color.

2Q/00: After internal assessment and review, Q2/2000 data was revised from 92 to 88 ERO members participating. This change did not affect the indicator color.

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	143	144	145	144	142	144
Total sirens-tests	147	147	147	147	147	147
Indicator value	98.1%	97.8%	97.8%	98.0%	97.8%	97.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

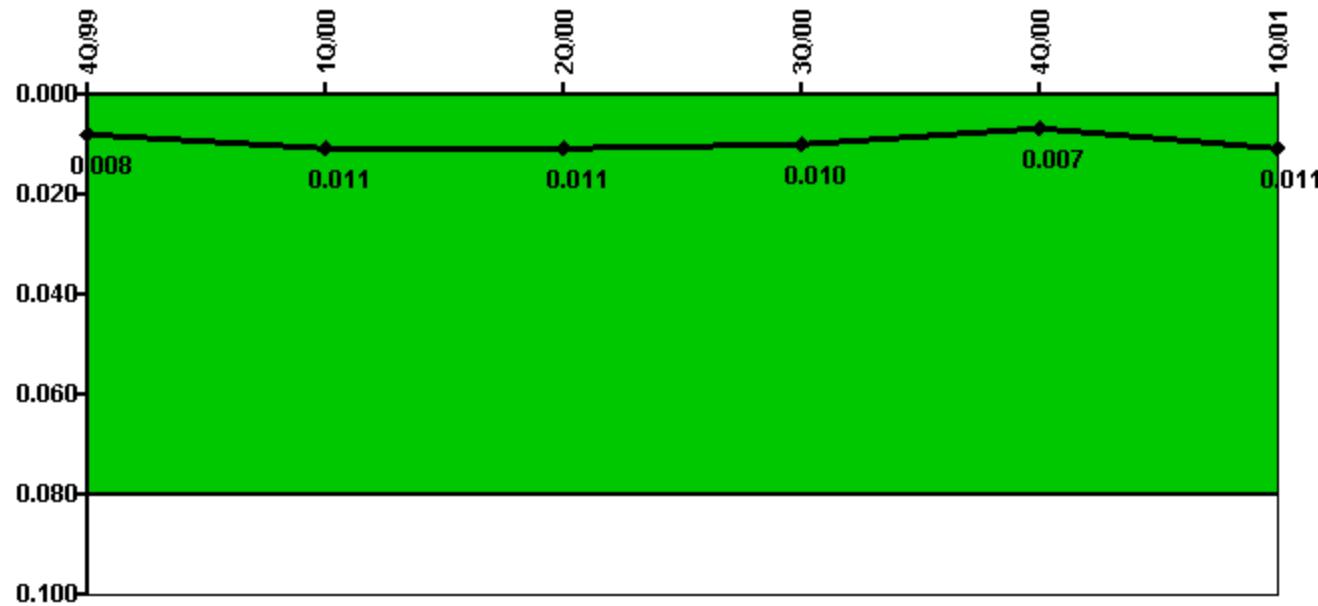
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



Thresholds: White > 0.080

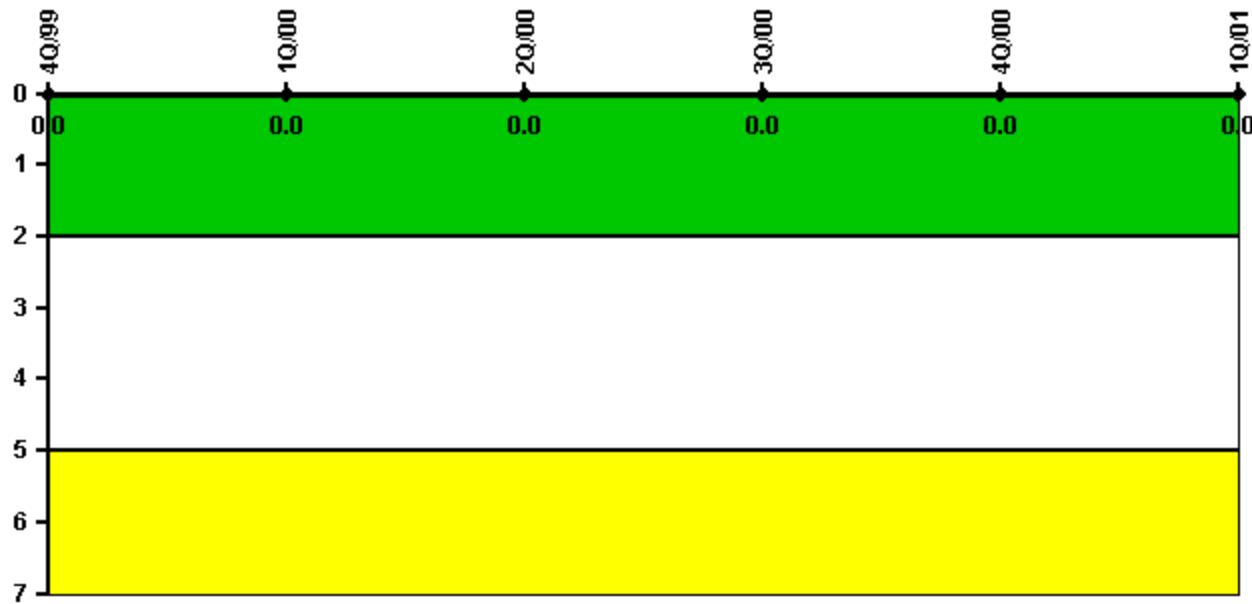
Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
IDS compensatory hours	106.30	63.20	17.90	21.60	39.50	196.90
CCTV compensatory hours	13.9	14.5	1.5	27.0	4.5	2.5
IDS normalization factor	1.65	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.0	1.1	1.1	1.1	1.1	1.1
Index Value	0.008	0.011	0.011	0.010	0.007	0.011

Licensee Comments:

3Q/00: After internal assessment and review, the Q3/2000 data was revised to include 5.5 IDS hours in July, an added 2 hours IDS in August, and an added 11 CCTV hours in August. These changes did not affect indicator color.

Personnel Screening Program



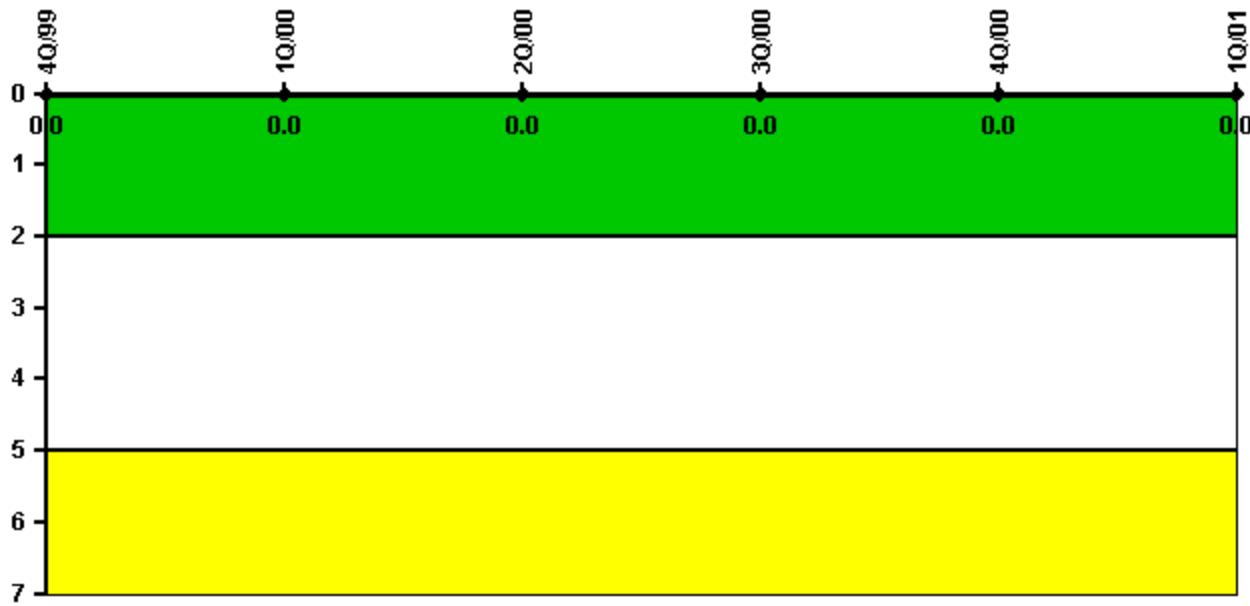
Thresholds: White > 2.0 Yellow > 5.0

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

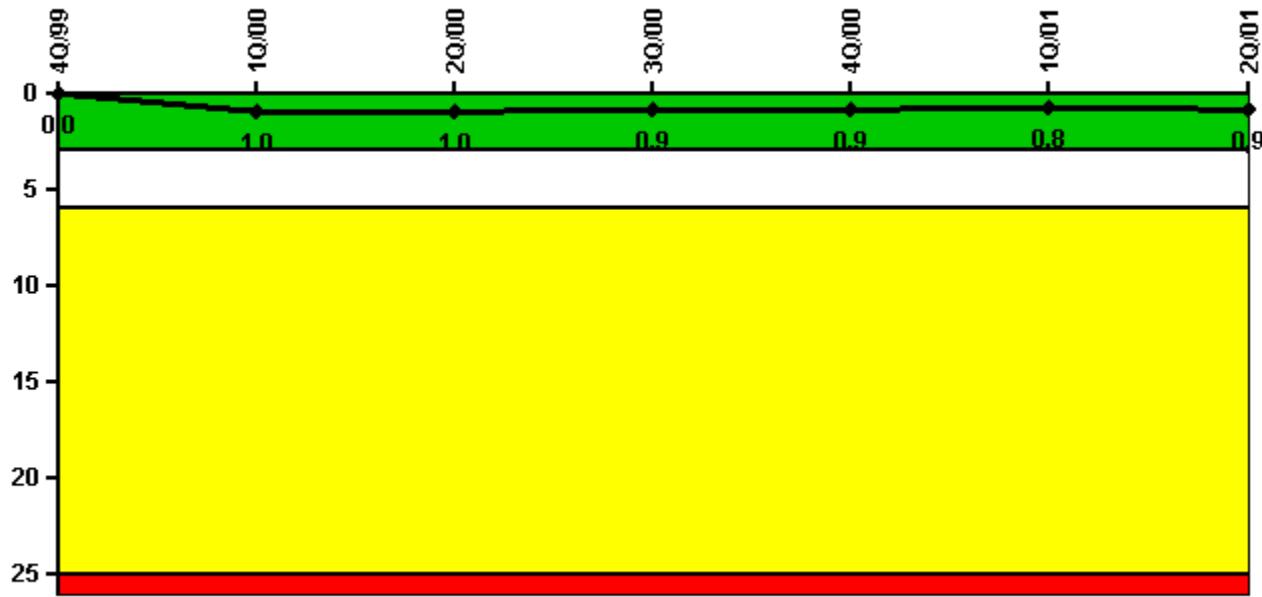


[PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 28, 2002

Arkansas Nuclear 1**2Q/2001 Performance Indicators**

Licensee's General Comments: none

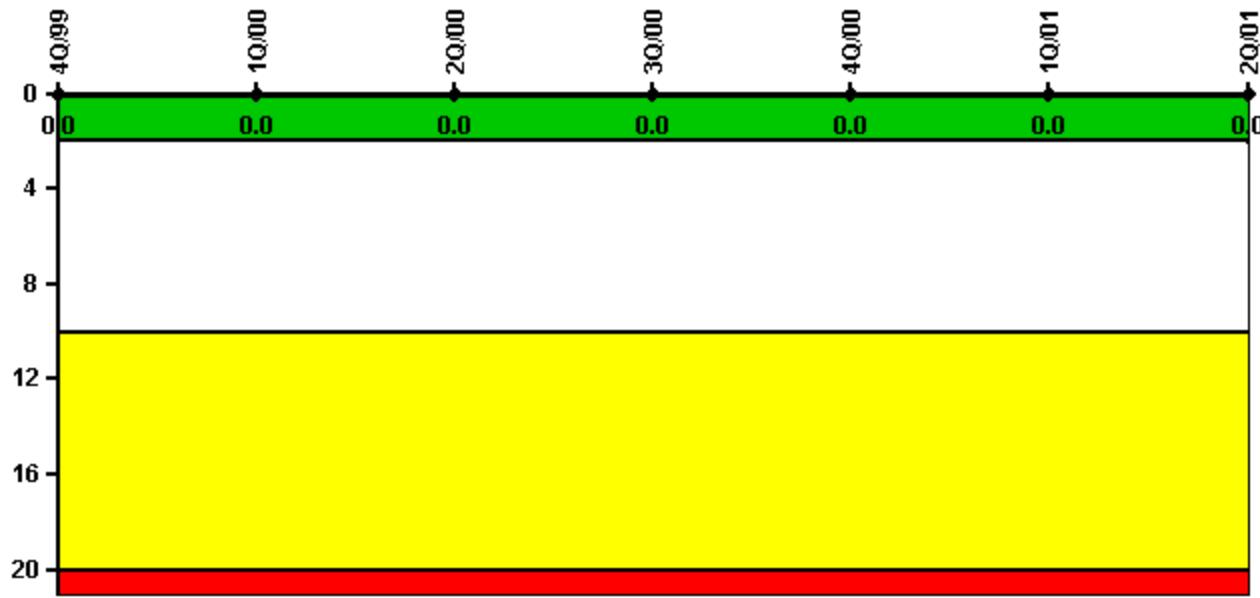
Unplanned Scrams per 7000 Critical Hrs

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	1.0	0	0	0	1.0	0
Critical hours	2004.8	1186.3	2183.0	2208.0	2209.0	1766.6	2008.9
Indicator value	0	1.0	1.0	0.9	0.9	0.8	0.9

Licensee Comments: none

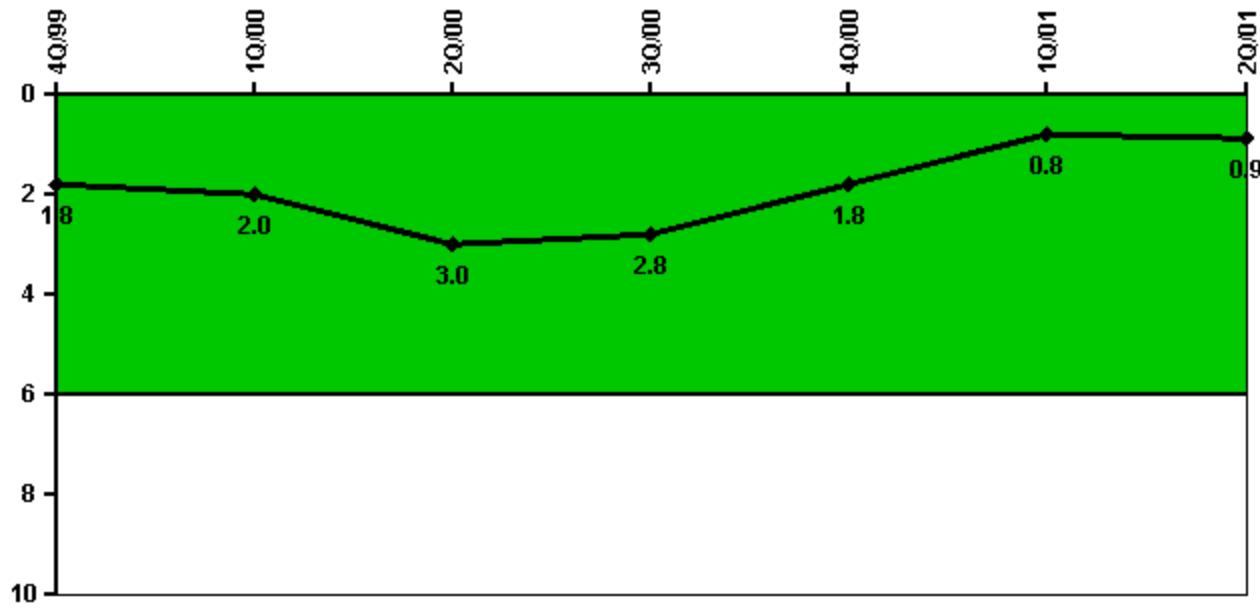
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

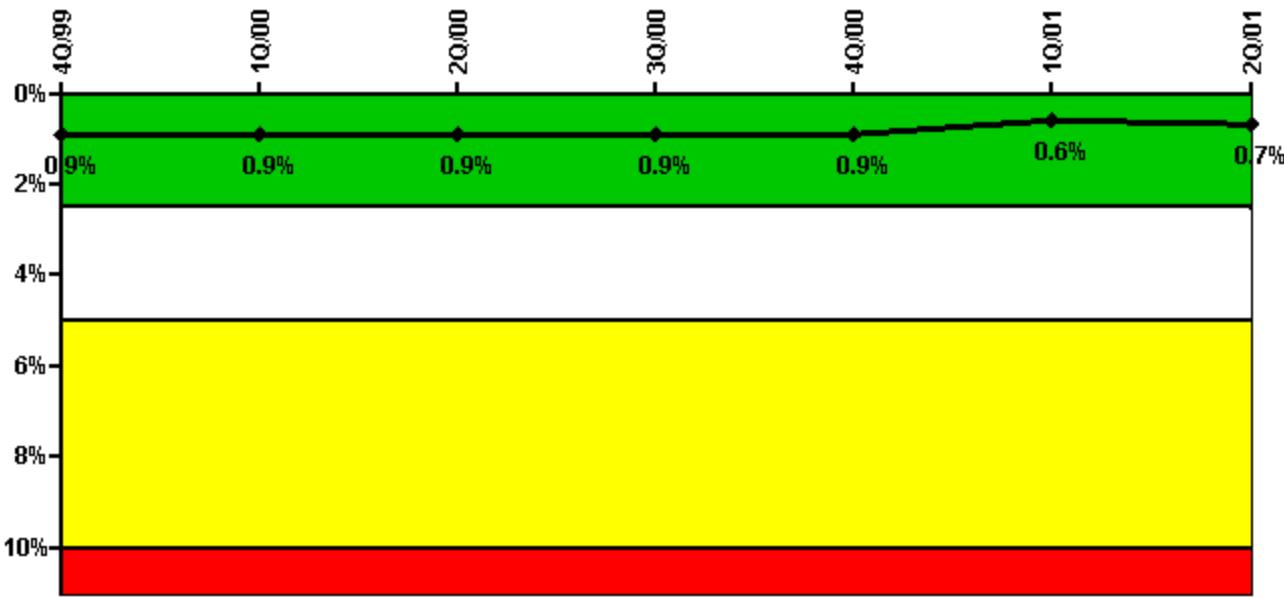
Thresholds: White > 6.0

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	1.0	1.0	0	0	0	1.0
Critical hours	2004.8	1186.3	2183.0	2208.0	2209.0	1766.6	2008.9
Indicator value	1.8	2.0	3.0	2.8	1.8	0.8	0.9

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



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

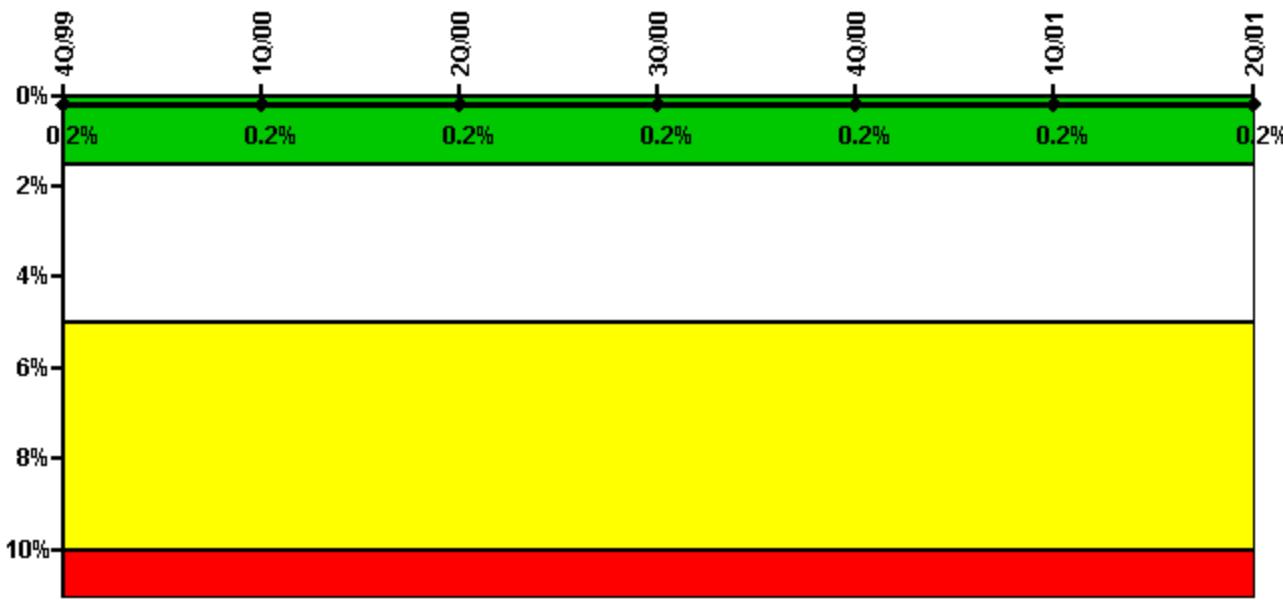
Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	0	0.83	0.62	0.65	0.58	1.80	0.62
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	2041.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2							
Planned unavailable hours	0	0.80	1.08	0.83	0.68	1.17	1.02
Unplanned unavailable hours	0	0	0	0	0	0	3.47
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2041.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	0.9%	0.9%	0.9%	0.9%	0.9%	0.6%	0.7%

Licensee Comments:

1Q/01: Based on qualified vendor failure analysis and an Arkansas Nuclear One review of a previously reported Emergency Diesel Generator Speed Switch failure on Train 2, it has been determined that the switch failure occurred during calibration efforts after being removed from the engine control cabinet. As such, previously reported fault exposure hours have been removed from Train 2 for January and February.

Safety System Unavailability, High Pressure Injection System (HPSI)



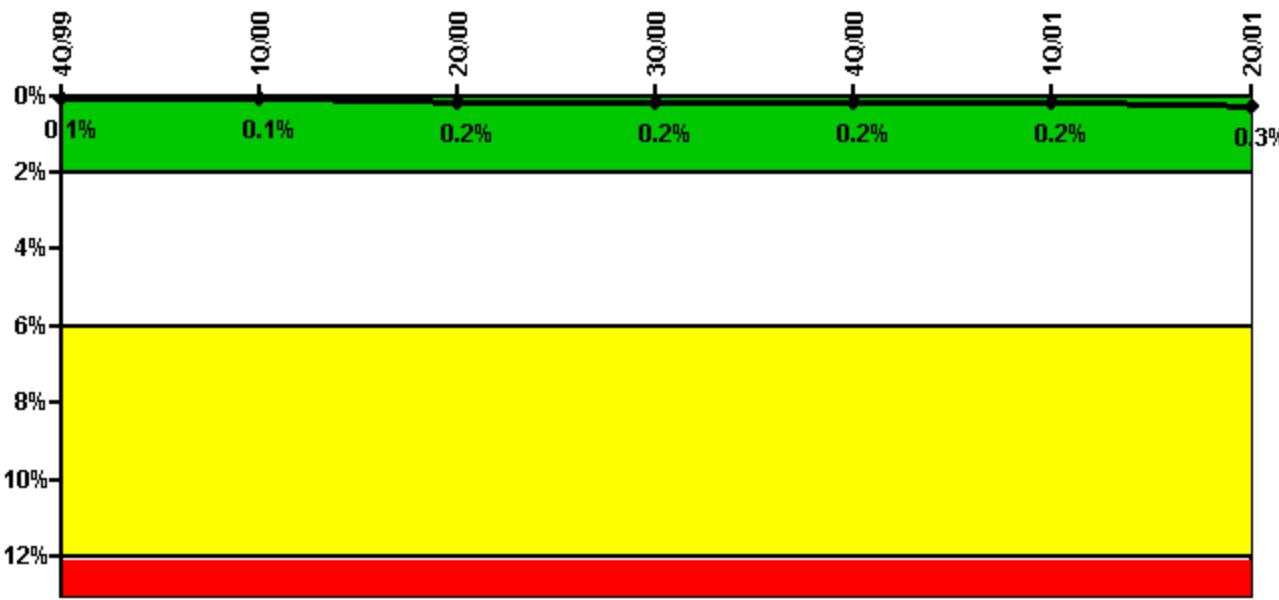
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	0	0	5.58	13.75	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2033.00	1326.40	2183.00	2208.00	2209.00	1766.60	2009.00
Train 2							
Planned unavailable hours	0	0	0	10.88	0	3.60	0
Unplanned unavailable hours	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2033.00	1326.40	2183.00	2208.00	2209.00	1766.60	2009.00
Indicator value	0.2%						

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



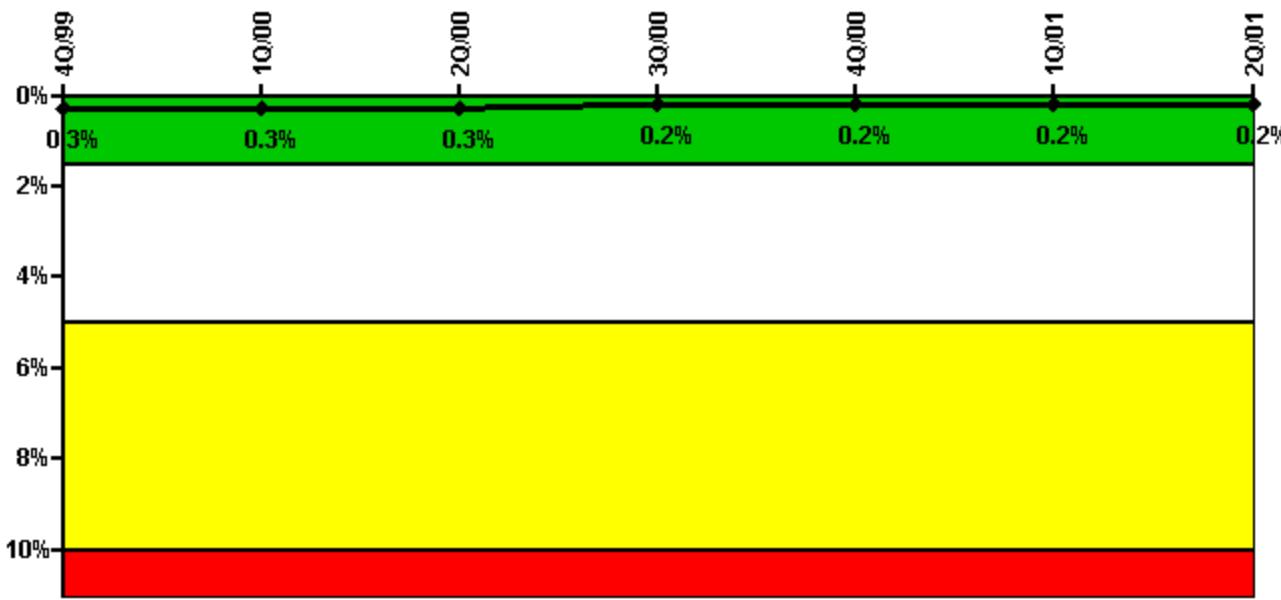
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)		4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1								
Planned unavailable hours		12.23	12.50	17.50	0.20	0	0	0
Unplanned unavailable hours		0	0	9.30	0	0	2.30	19.80
Fault exposure hours		0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0
Required hours		2001.10	1328.00	2183.00	2208.00	2209.00	1818.10	2032.30
Train 2								
Planned unavailable hours		0	0	5.50	11.20	0	7.20	0
Unplanned unavailable hours		0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0
Required hours		2001.10	1431.70	2183.00	2208.00	2209.00	1821.30	2039.30
Indicator value		0.1%	0.1%	0.2%	0.2%	0.2%	0.2%	0.3%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

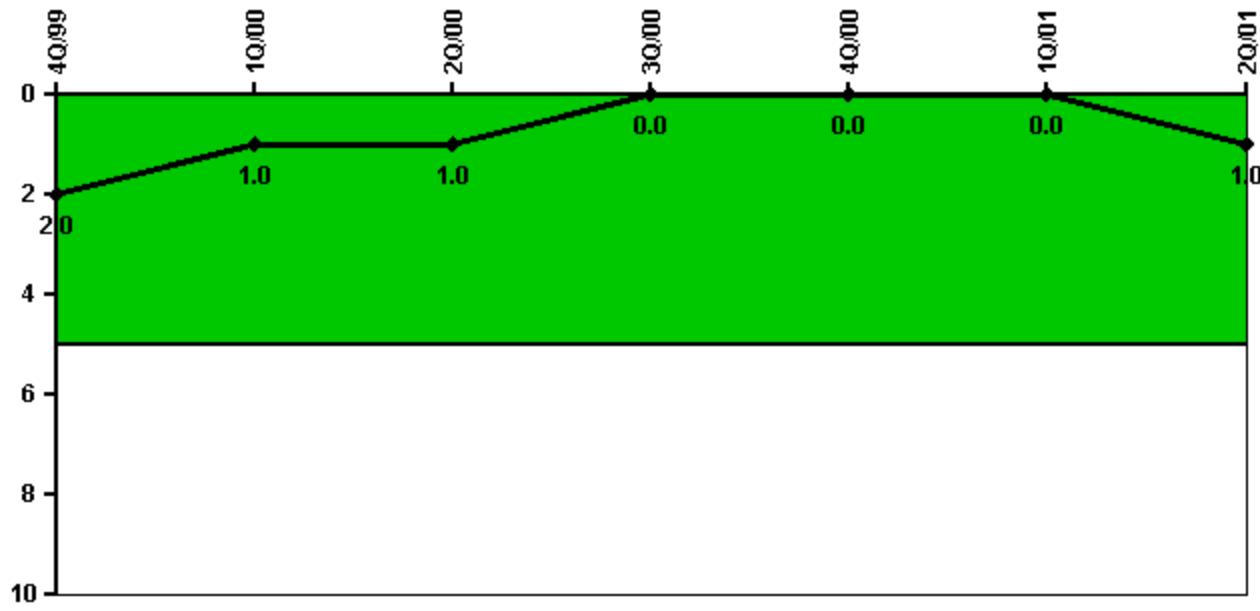


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System		4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1								
Planned unavailable hours		0	15.10	0	0	1.83	0	0
Unplanned unavailable hours		0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours		0	0	0.10	18.60	2.20	0	0
Unplanned unavailable hours		0	0	0	0	0	28.25	0
Fault exposure hours		0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0
Required hours		2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value		0.3%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%

Licensee Comments: none

Safety System Functional Failures (PWR)

Thresholds: White > 5.0

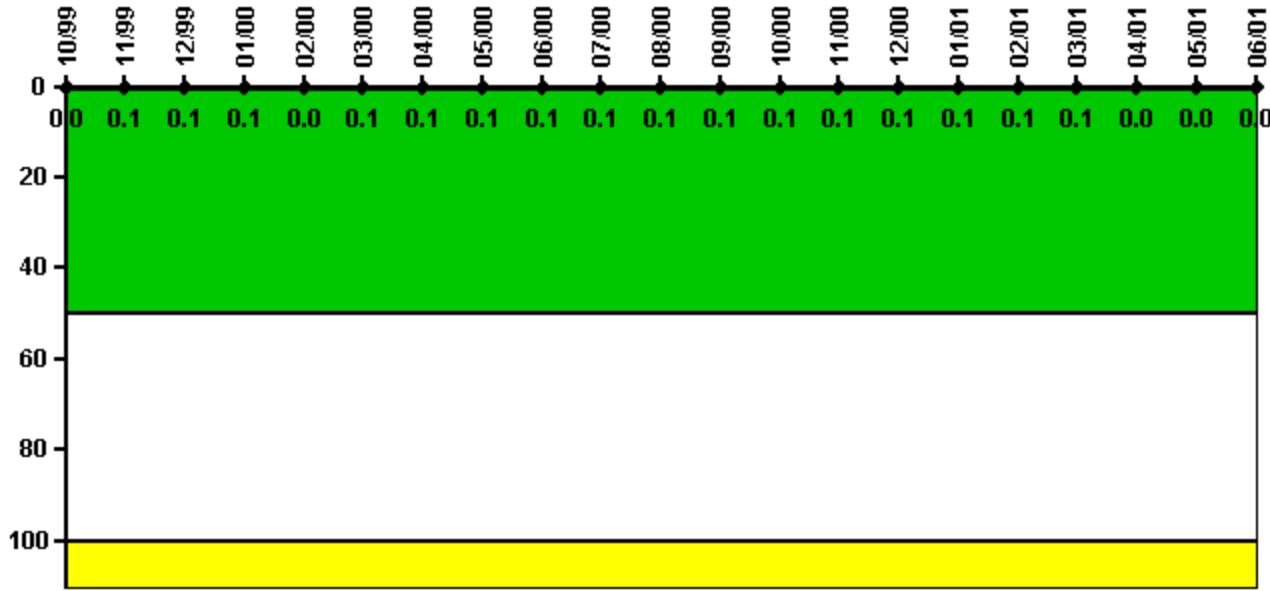
Notes

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

Licensee Comments:

2Q/01: Control Room Emergency Ventilation System Radiation Monitors.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

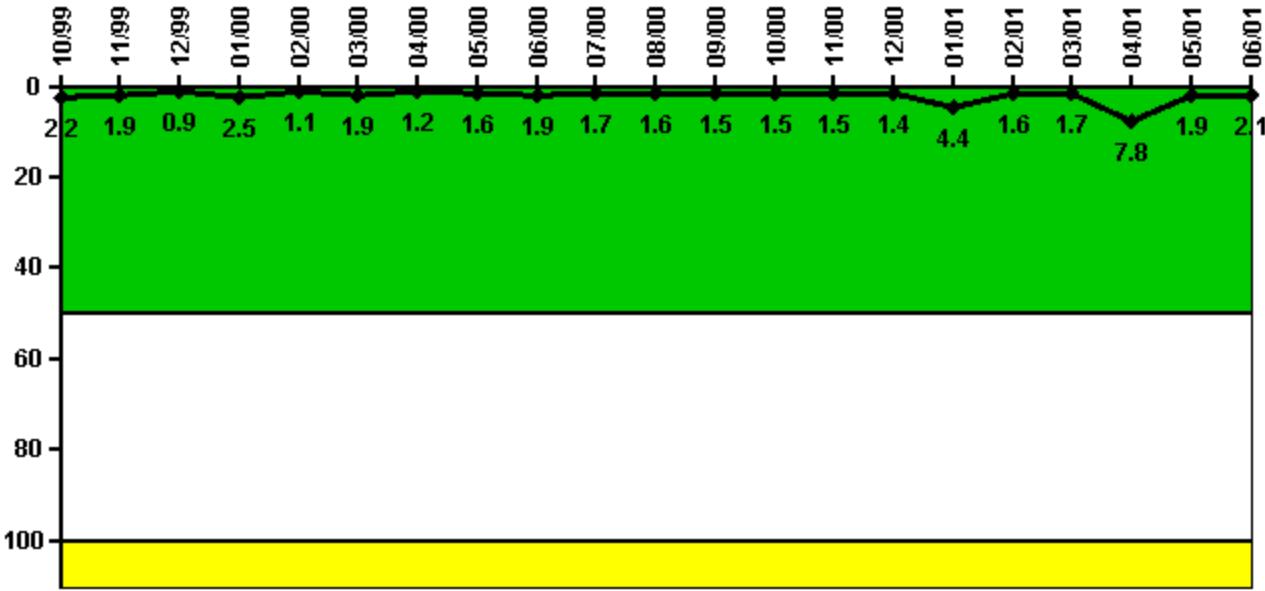
Notes

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	0.001710	0.001770	0.001900	0.001910	0.001440	0.002030	0.002040	0.002300	0.002360	0.002420	0.002610	0.002780
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	0.002720	0.002840	0.003020	0.003100	0.003170	0.003710	0.001340	0.001310	0.001430
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

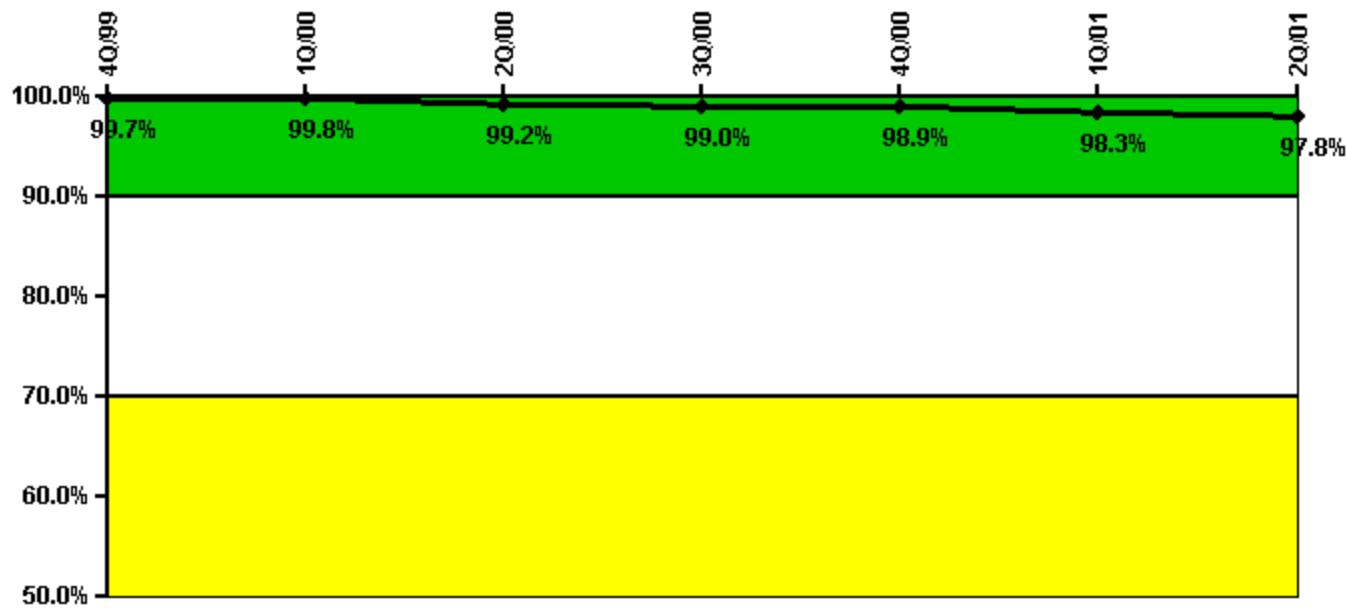
Notes

Reactor Coolant System Leakage	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	0.221	0.188	0.089	0.250	0.110	0.190	0.116	0.162	0.190	0.167	0.158	0.149
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	1.9	0.9	2.5	1.1	1.9	1.2	1.6	1.9	1.7	1.6	1.5

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	0.153	0.145	0.141	0.438	0.161	0.165	0.783	0.188	0.207
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.5	1.5	1.4	4.4	1.6	1.7	7.8	1.9	2.1

Licensee Comments:

3/01: An internal review of 1st quarter 2001 data revealed that a January leakrate performed at low power should have been counted as the highest RCS leakrate for the month. As such, the maximum January 2001 RCS Leakrate was revised from 0.197 to 0.438 GPM.

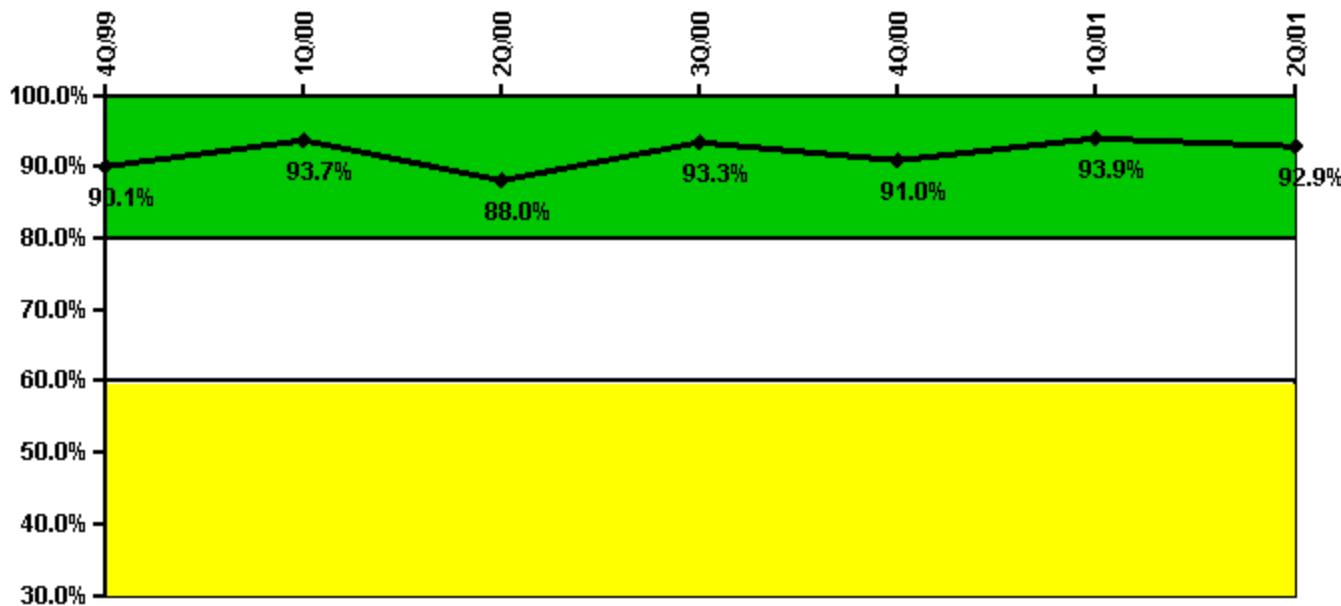
Drill/Exercise Performance

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	35.0	96.0	82.0	55.0	16.0	37.0	65.0
Total opportunities	35.0	96.0	85.0	56.0	16.0	40.0	68.0
Indicator value	99.7%	99.8%	99.2%	99.0%	98.9%	98.3%	97.8%

Licensee Comments: none

ERO Drill Participation

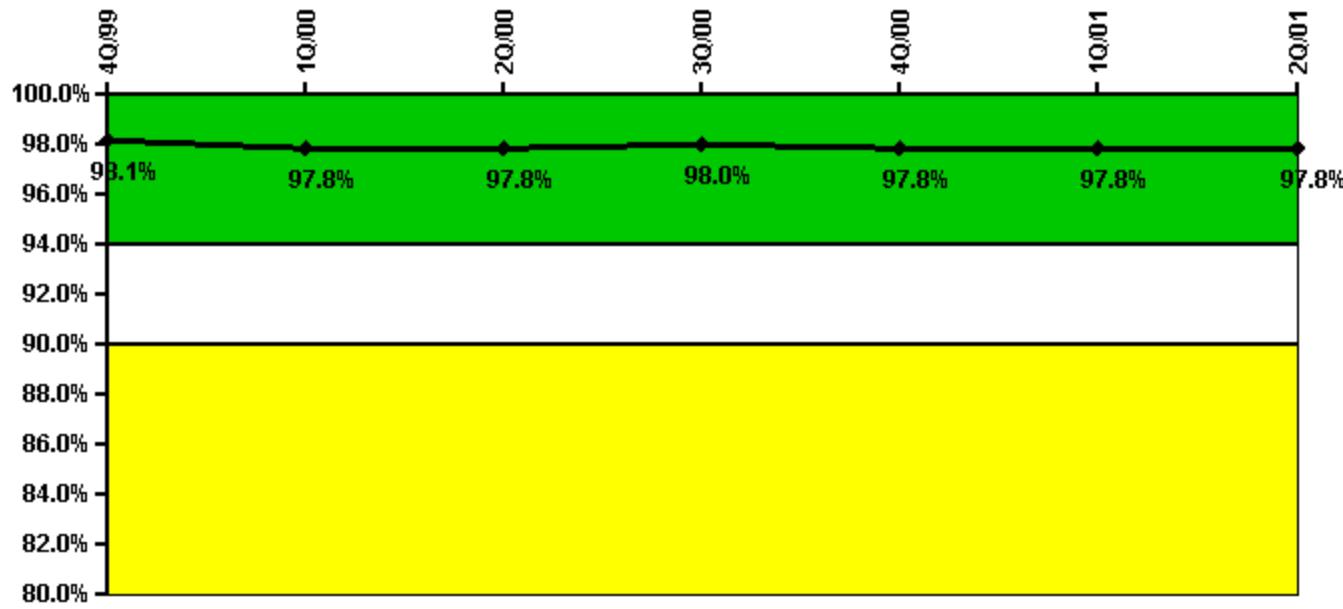
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Participating Key personnel	109.0	118.0	88.0	98.0	101.0	107.0	104.0
Total Key personnel	121.0	126.0	100.0	105.0	111.0	114.0	112.0
Indicator value	90.1%	93.7%	88.0%	93.3%	91.0%	93.9%	92.9%

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	143	144	145	144	142	144	145
Total sirens-tests	147	147	147	147	147	147	147
Indicator value	98.1%	97.8%	97.8%	98.0%	97.8%	97.8%	97.8%

Licensee Comments: none

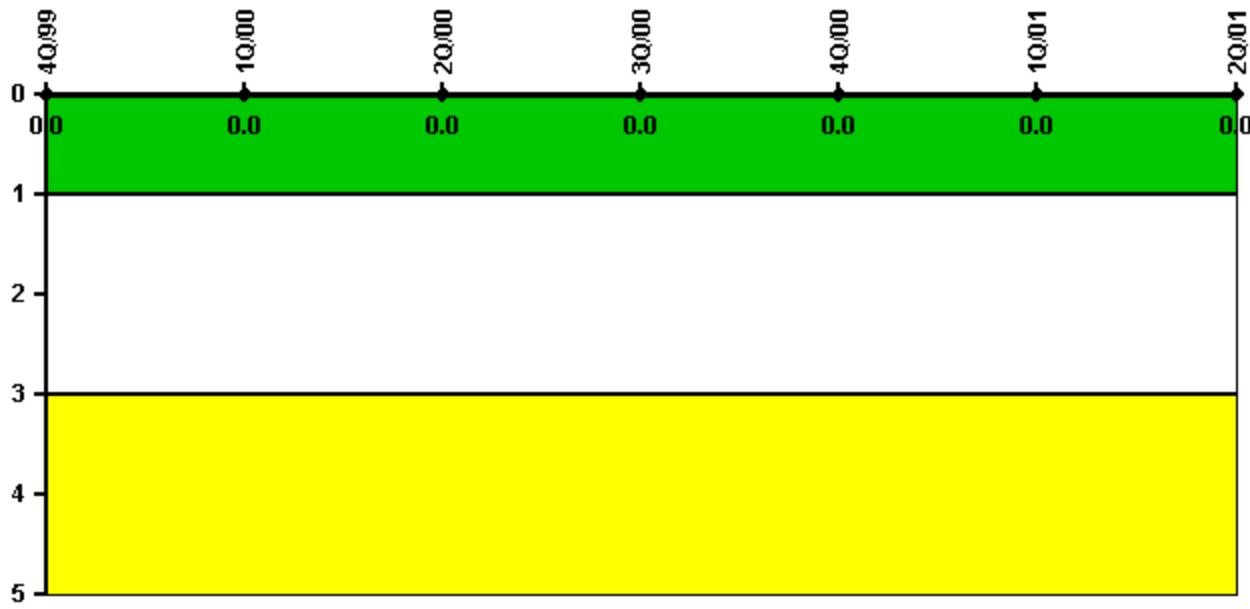
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	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

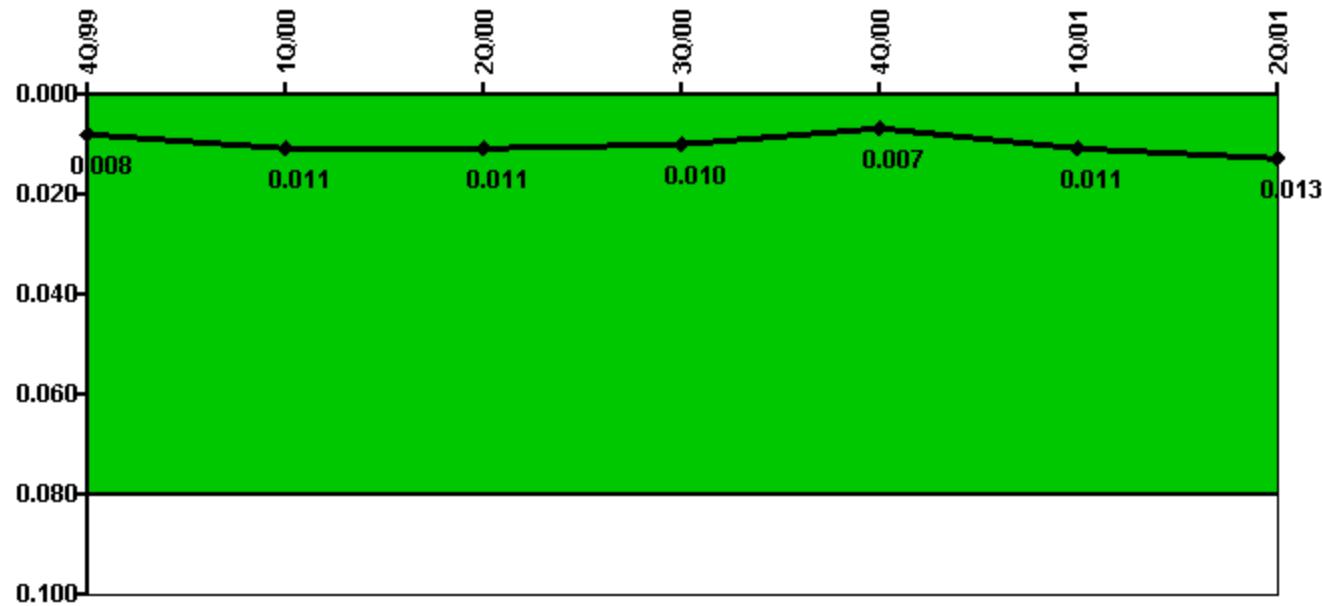
RETS/ODCM Radiological Effluent

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

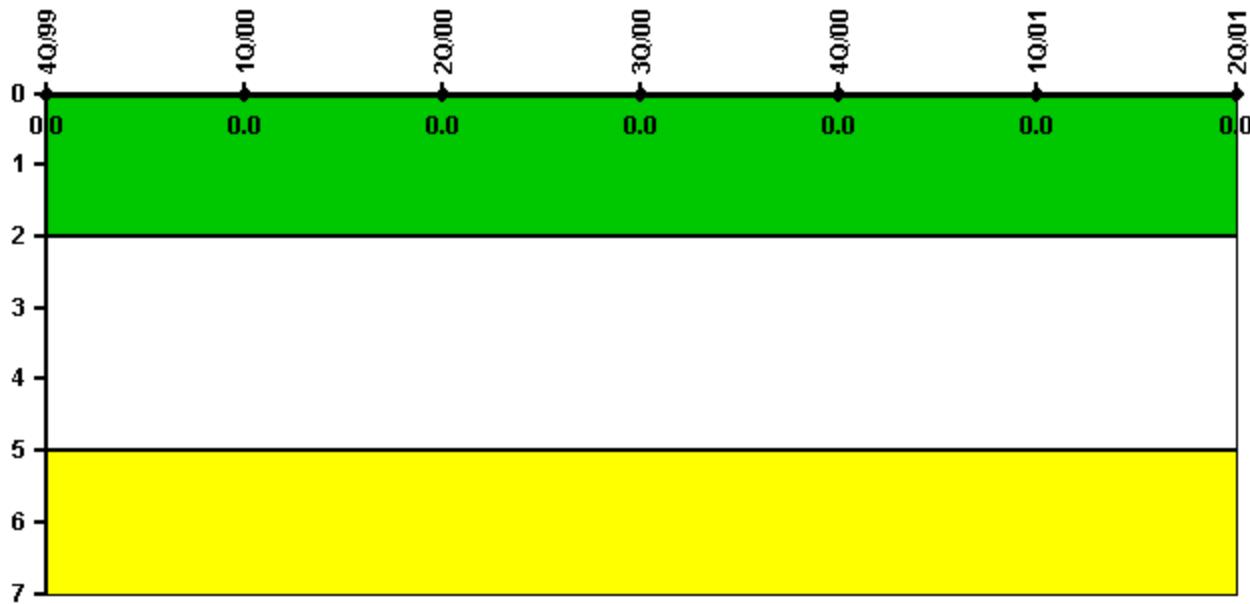
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
IDS compensatory hours	106.30	63.20	17.90	21.60	39.50	196.90	41.10
CCTV compensatory hours	13.9	14.5	1.5	27.0	4.5	2.5	19.9
IDS normalization factor	1.65	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.0	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	0.008	0.011	0.011	0.010	0.007	0.011	0.013

Licensee Comments: none

Personnel Screening Program

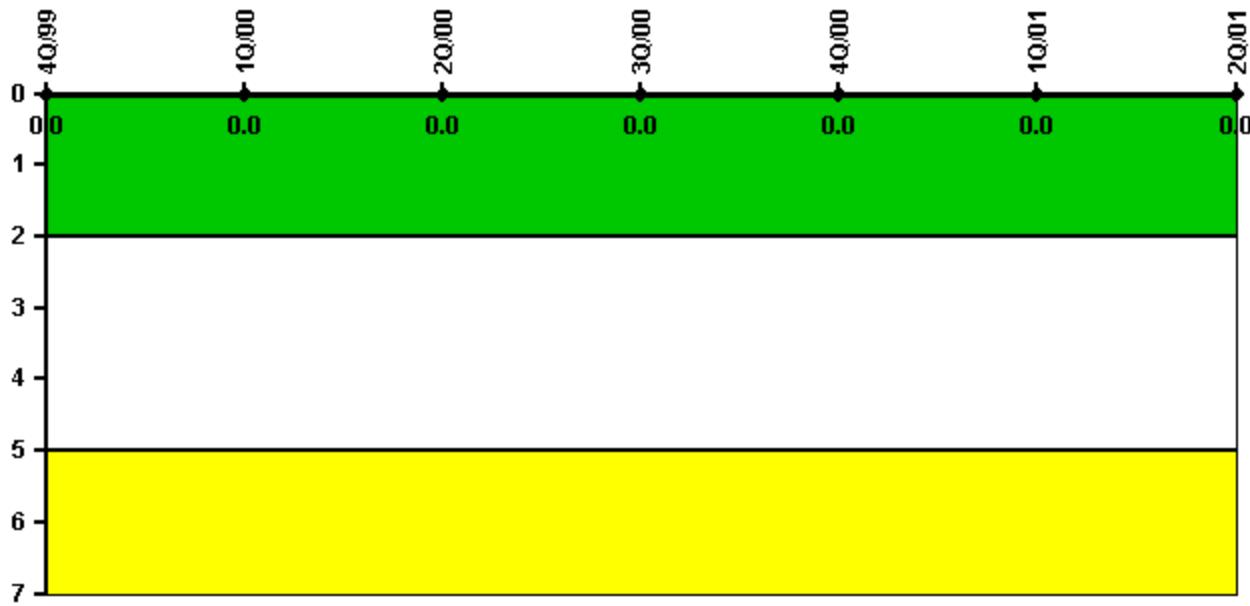


Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

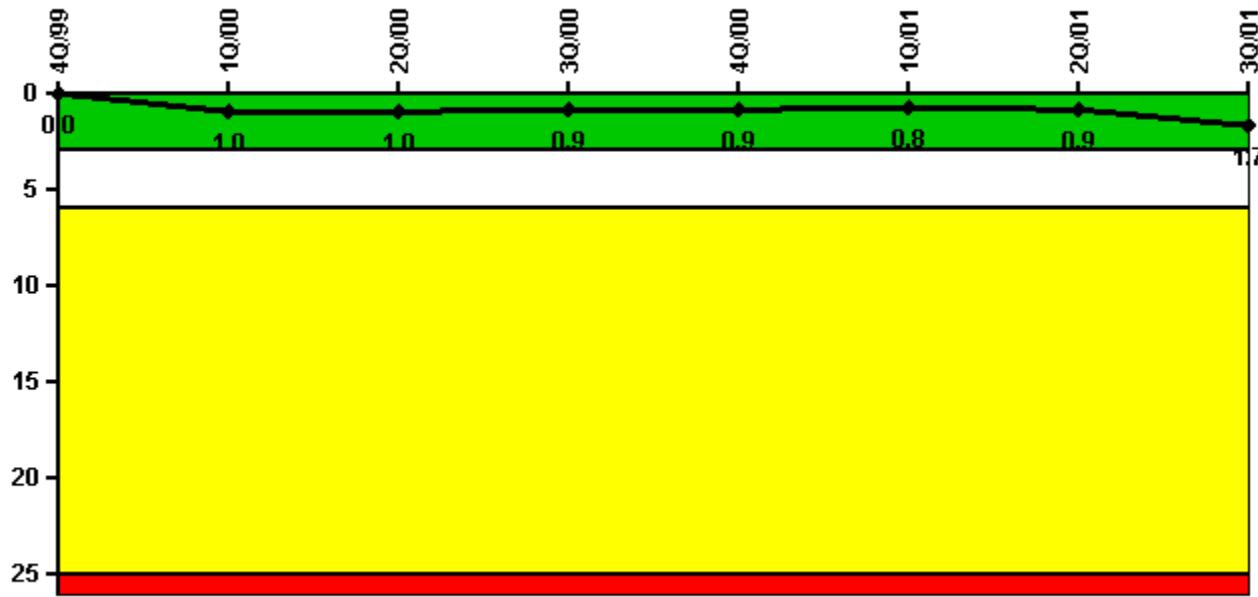


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Last Modified: March 27, 2002

Arkansas Nuclear 1**3Q/2001 Performance Indicators**

Licensee's General Comments: none

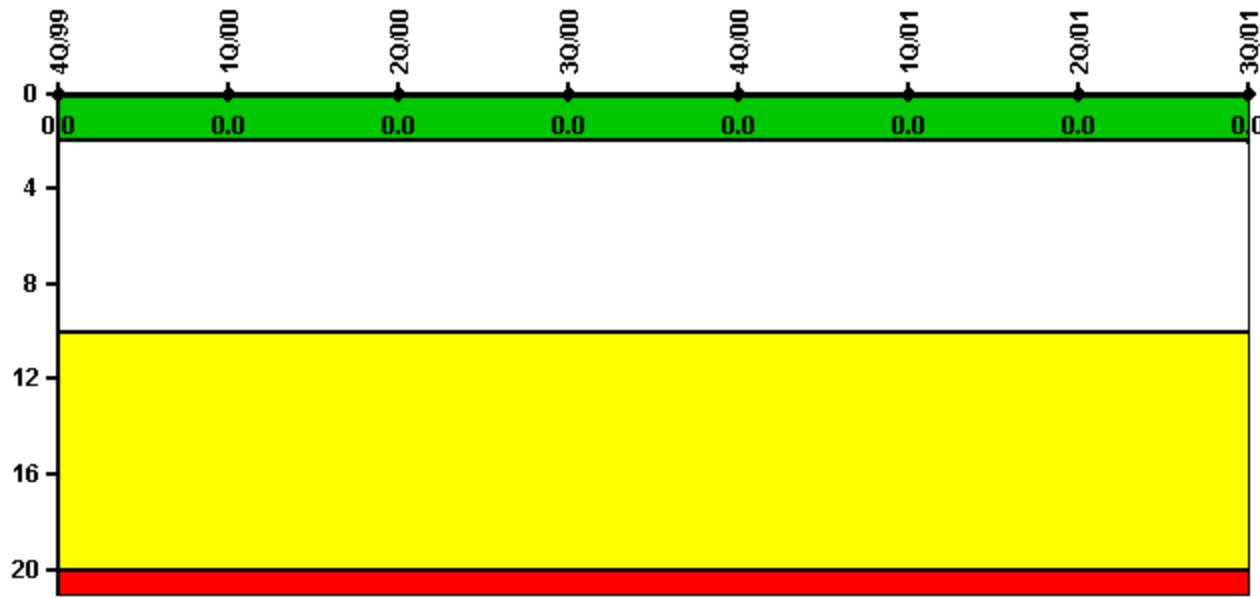
Unplanned Scrams per 7000 Critical Hrs

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	1.0	0	0	0	1.0	0	1.0
Critical hours	2004.8	1186.3	2183.0	2208.0	2209.0	1766.6	2008.9	2187.3
Indicator value	0	1.0	1.0	0.9	0.9	0.8	0.9	1.7

Licensee Comments: none

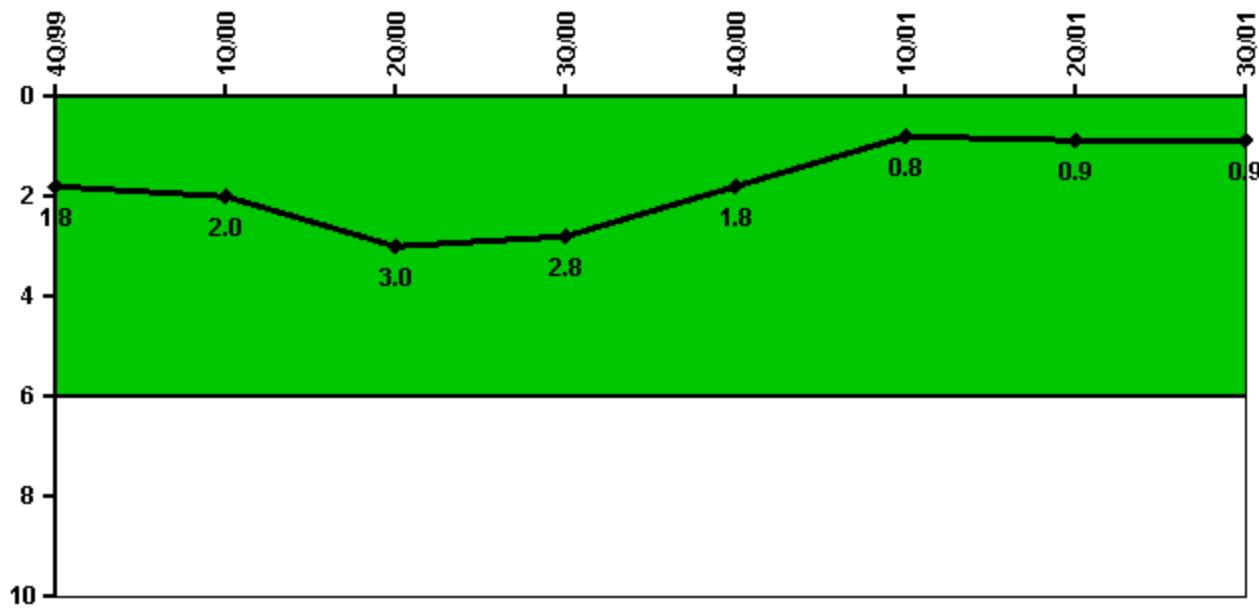
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

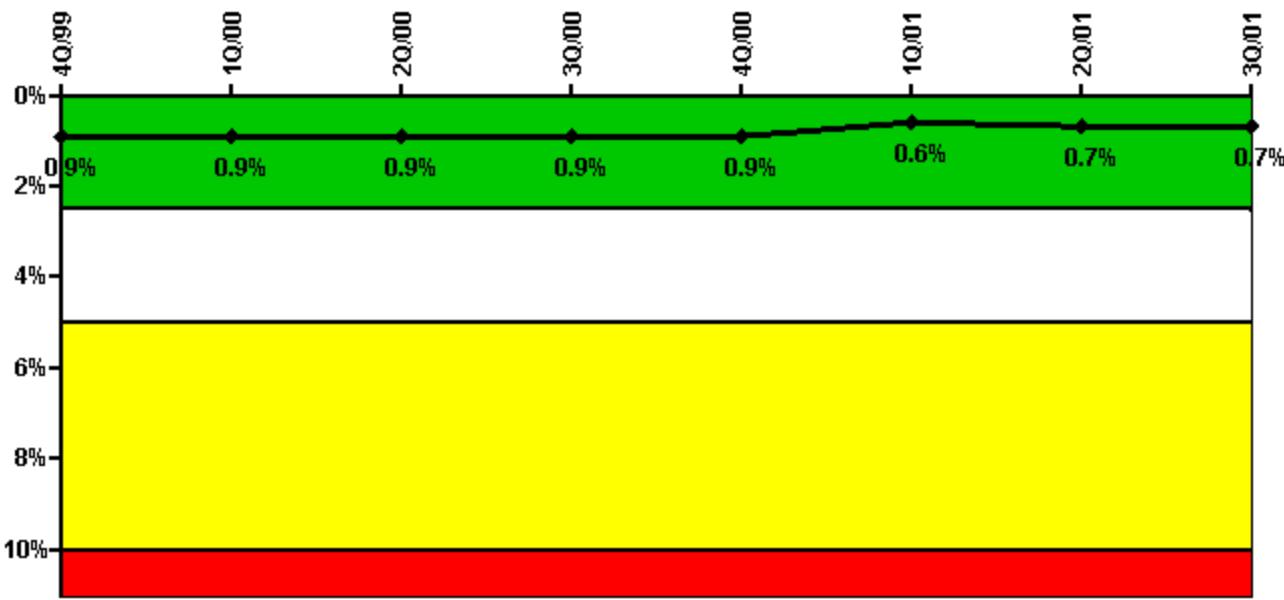
Thresholds: White > 6.0

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	1.0	1.0	0	0	0	1.0	0
Critical hours	2004.8	1186.3	2183.0	2208.0	2209.0	1766.6	2008.9	2187.3
Indicator value	1.8	2.0	3.0	2.8	1.8	0.8	0.9	0.9

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



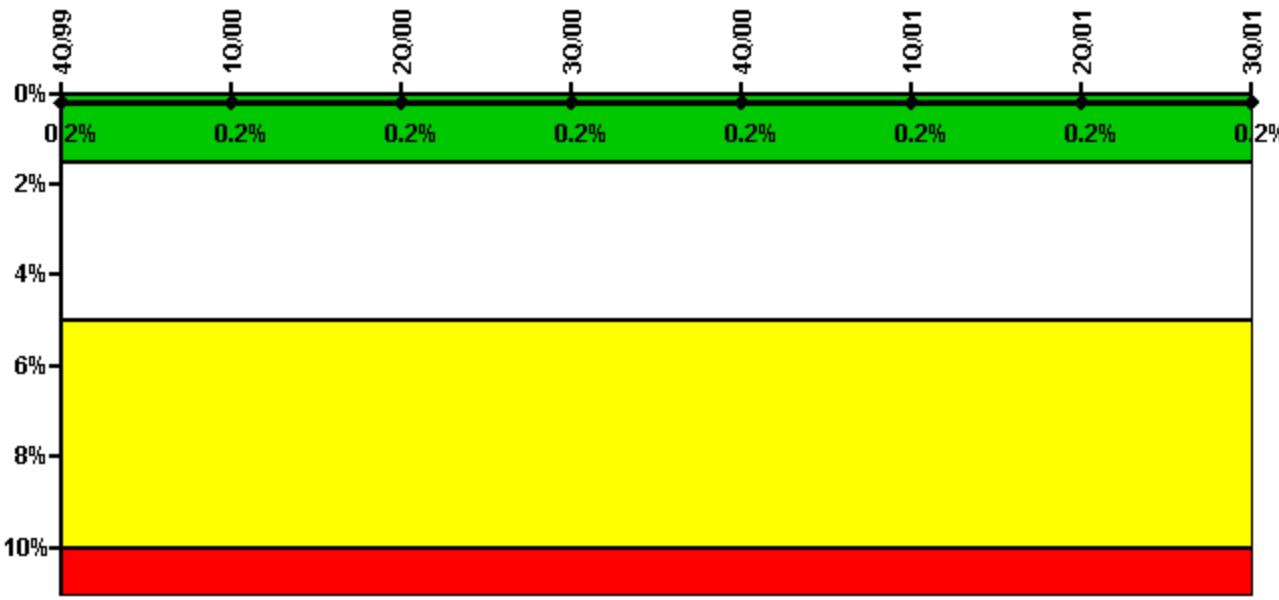
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	0	0.83	0.62	0.65	0.58	1.80	0.62	1.03
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2041.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0	0.80	1.08	0.83	0.68	1.17	1.02	1.87
Unplanned unavailable hours	0	0	0	0	0	0	3.47	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2041.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	0.9%	0.9%	0.9%	0.9%	0.9%	0.6%	0.7%	0.7%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



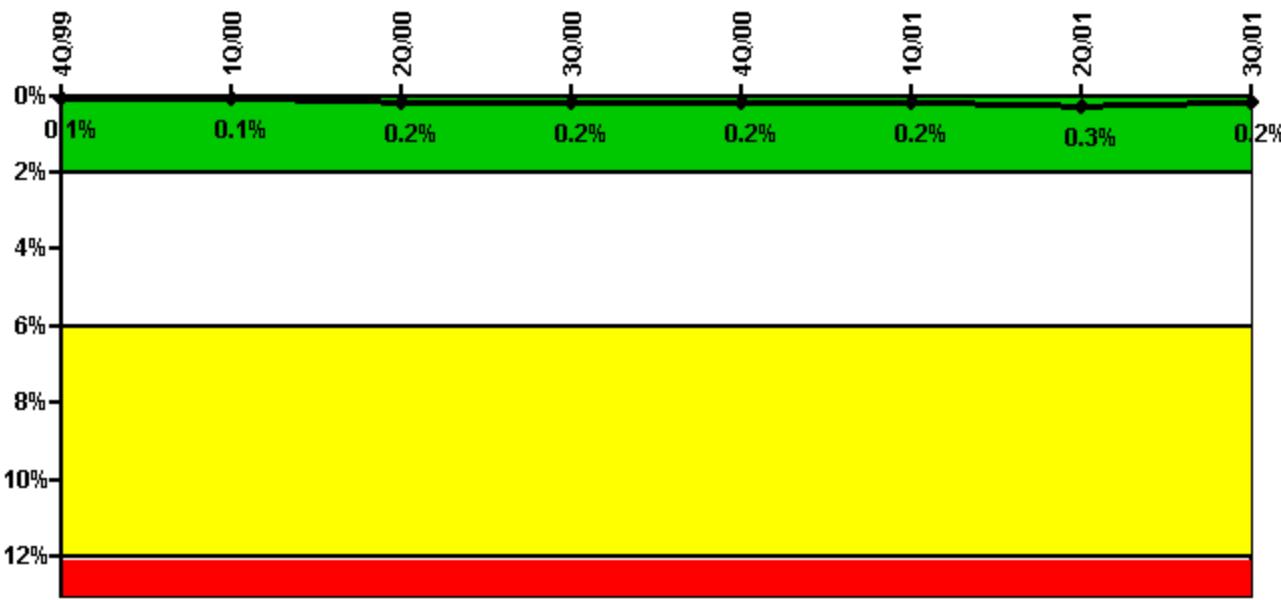
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	0	0	5.58	13.75	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2033.00	1326.40	2183.00	2208.00	2209.00	1766.60	2009.00	2187.30
Train 2								
Planned unavailable hours	0	0	0	10.88	0	3.60	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2033.00	1326.40	2183.00	2208.00	2209.00	1766.60	2009.00	2187.30
Indicator value	0.2%							

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



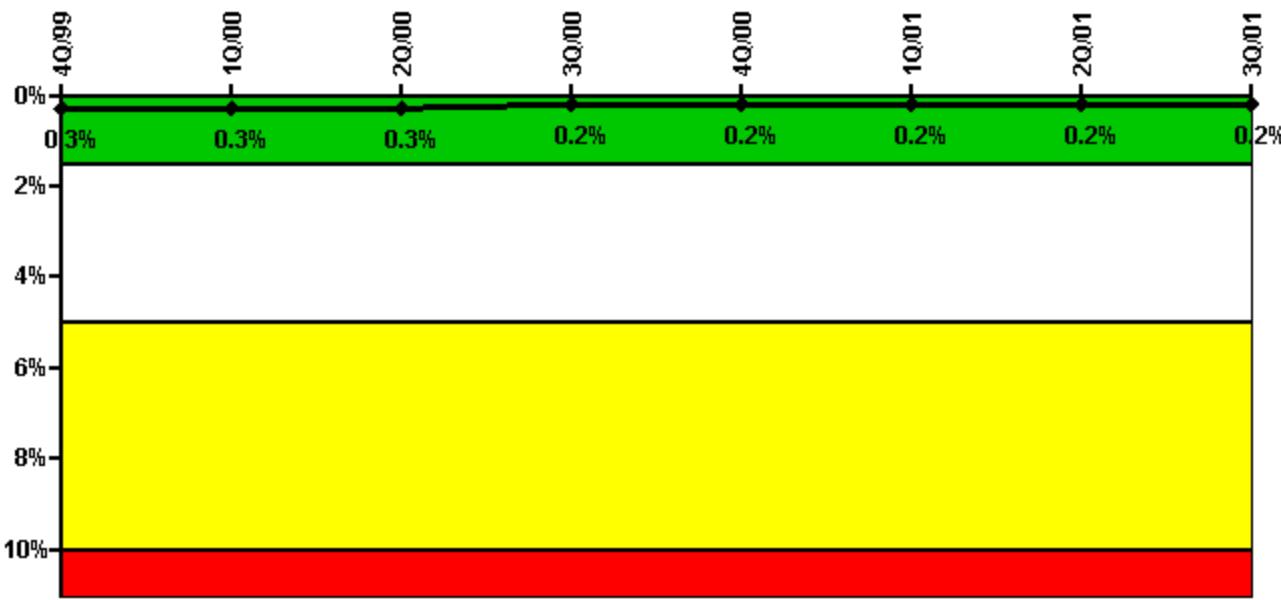
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)		4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1									
Planned unavailable hours		12.23	12.50	17.50	0.20	0	0	0	0
Unplanned unavailable hours		0	0	9.30	0	0	2.30	19.80	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		2001.10	1328.00	2183.00	2208.00	2209.00	1818.10	2032.30	2208.00
Train 2									
Planned unavailable hours		0	0	5.50	11.20	0	7.20	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		2001.10	1431.70	2183.00	2208.00	2209.00	1821.30	2039.30	2208.00
Indicator value		0.1%	0.1%	0.2%	0.2%	0.2%	0.2%	0.3%	0.2%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

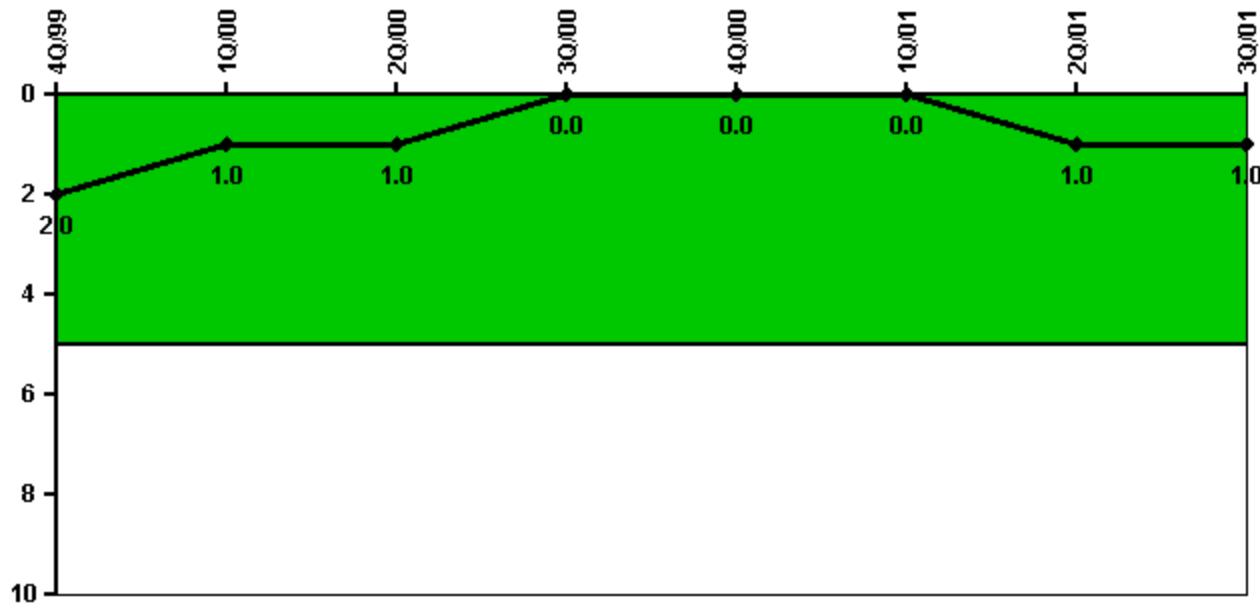


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	0	15.10	0	0	1.83	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0	0	0.10	18.60	2.20	0	0	0
Unplanned unavailable hours	0	0	0	0	0	28.25	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%

Licensee Comments: none

Safety System Functional Failures (PWR)

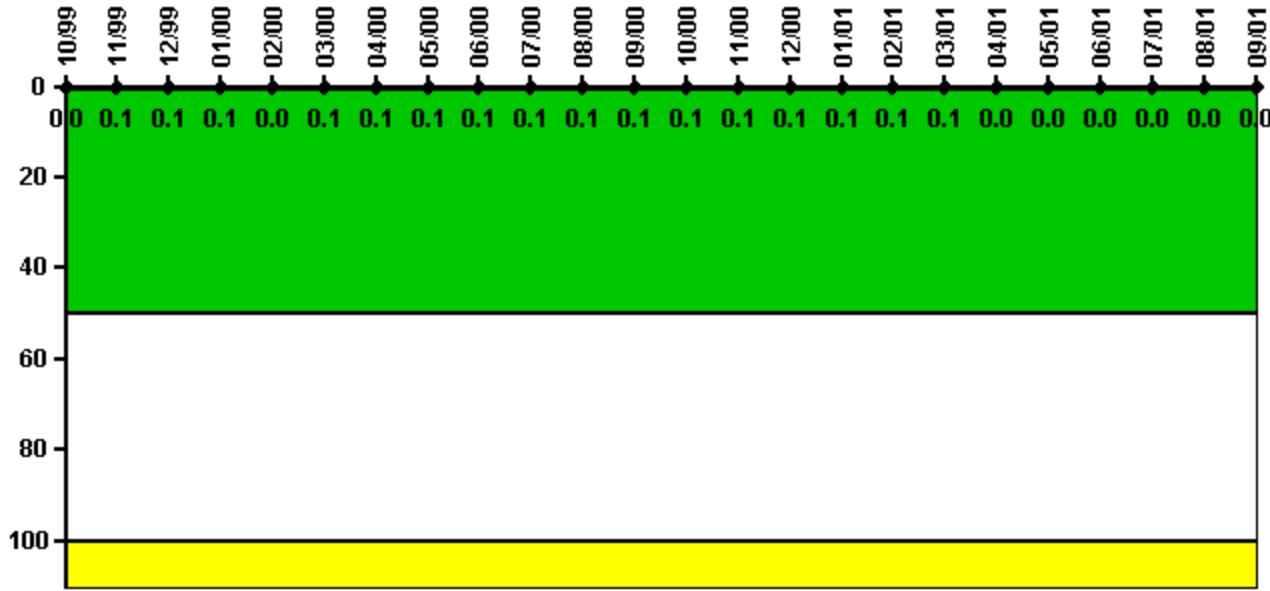
Thresholds: White > 5.0

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

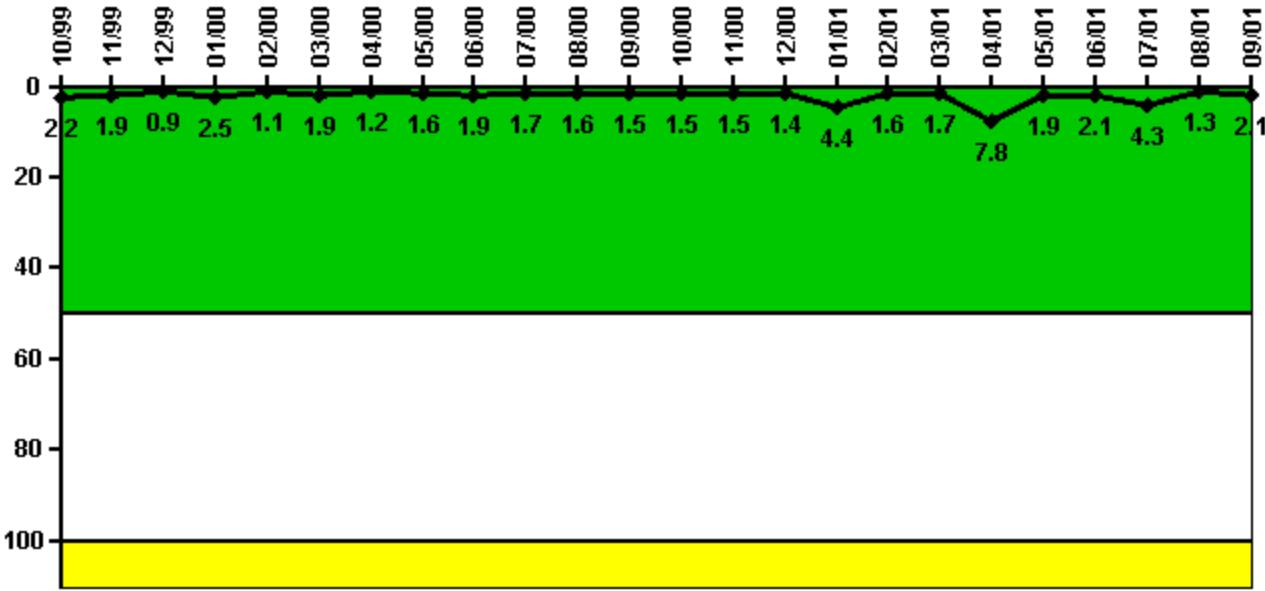
Notes

Reactor Coolant System Activity	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	0.001710	0.001770	0.001900	0.001910	0.001440	0.002030	0.002040	0.002300	0.002360	0.002420	0.002610	0.002780
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity	0.002720	0.002840	0.003020	0.003100	0.003170	0.003710	0.001340	0.001310	0.001430	0.001450	0.001530	0.001570
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



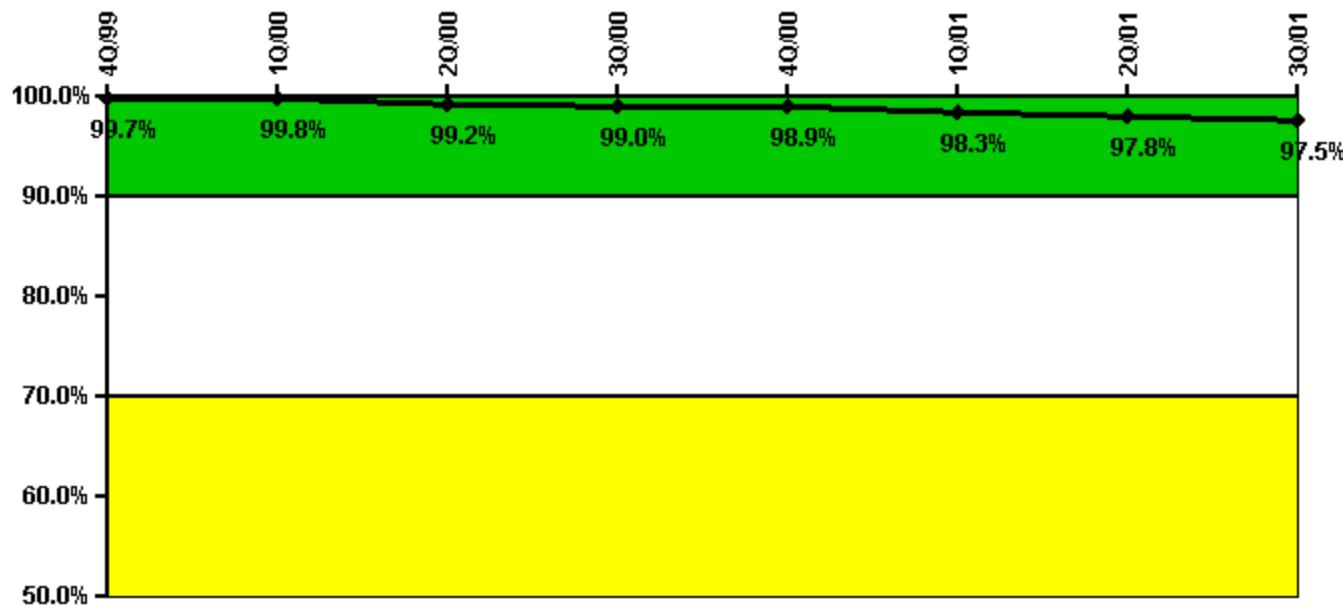
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.221	0.188	0.089	0.250	0.110	0.190	0.116	0.162	0.190	0.167	0.158	0.149
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	1.9	0.9	2.5	1.1	1.9	1.2	1.6	1.9	1.7	1.6	1.5

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	0.153	0.145	0.141	0.438	0.161	0.165	0.783	0.188	0.207	0.431	0.130	0.208
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	1.5	1.4	4.4	1.6	1.7	7.8	1.9	2.1	4.3	1.3	2.1

Licensee Comments: none

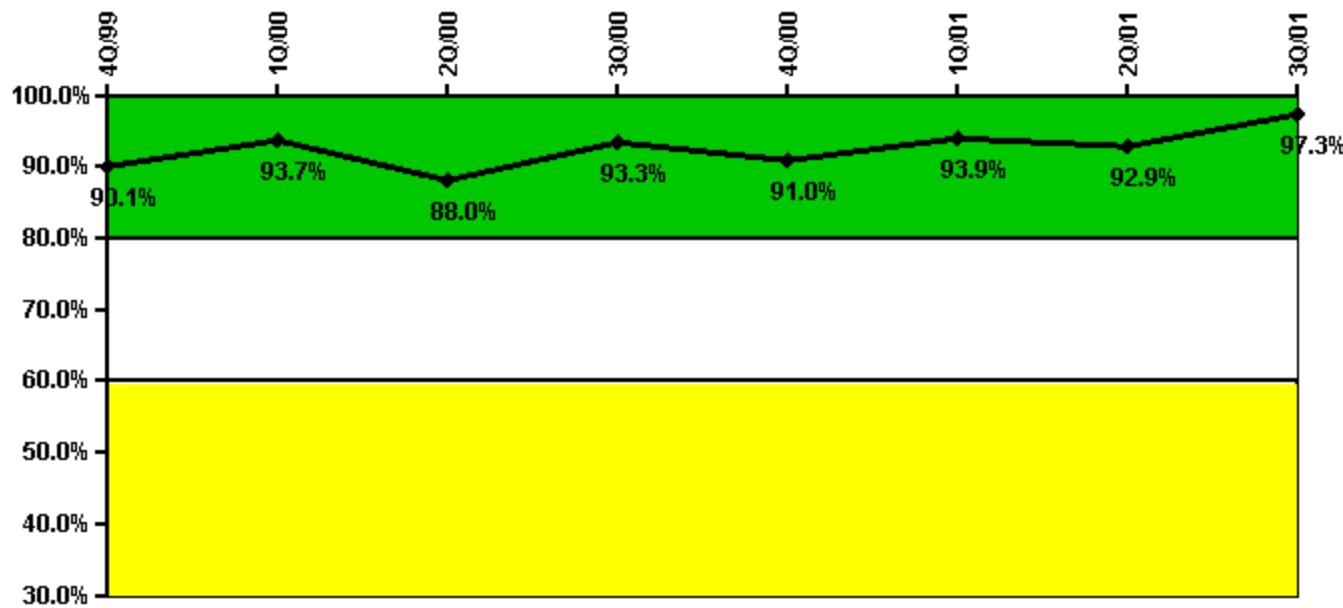
Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful opportunities	35.0	96.0	82.0	55.0	16.0	37.0	65.0	161.0
Total opportunities	35.0	96.0	85.0	56.0	16.0	40.0	68.0	165.0
Indicator value	99.7%	99.8%	99.2%	99.0%	98.9%	98.3%	97.8%	97.5%

Licensee Comments: none

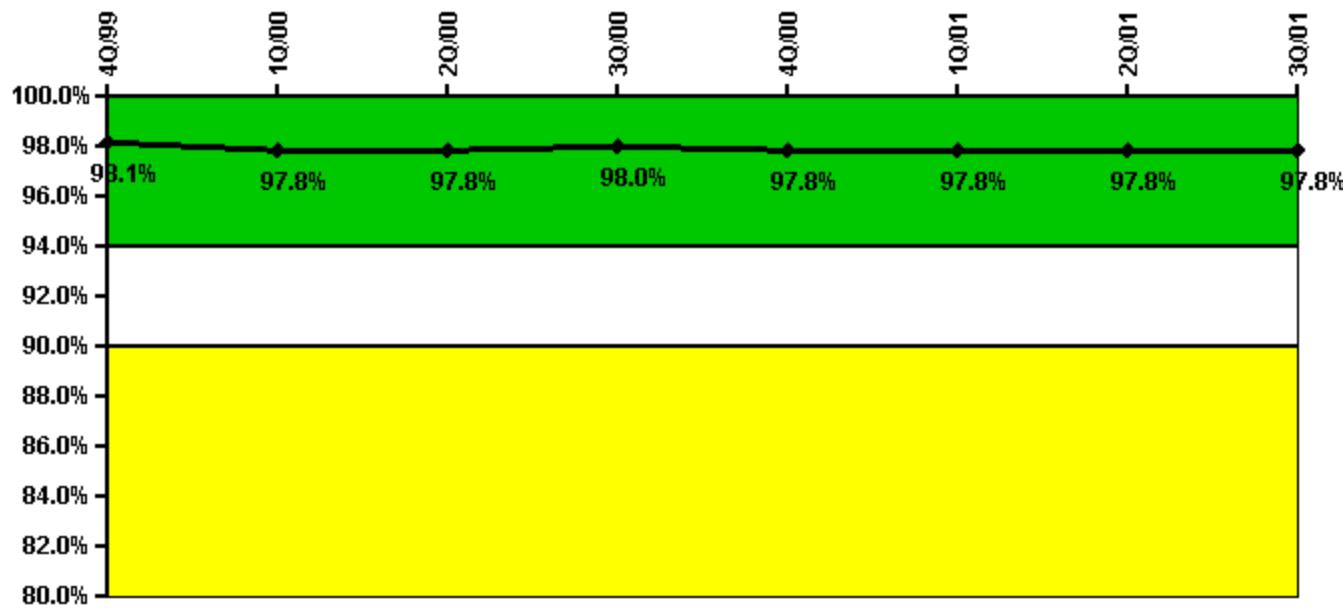
ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Participating Key personnel	109.0	118.0	88.0	98.0	101.0	107.0	104.0	108.0
Total Key personnel	121.0	126.0	100.0	105.0	111.0	114.0	112.0	111.0
Indicator value	90.1%	93.7%	88.0%	93.3%	91.0%	93.9%	92.9%	97.3%

Licensee Comments: none

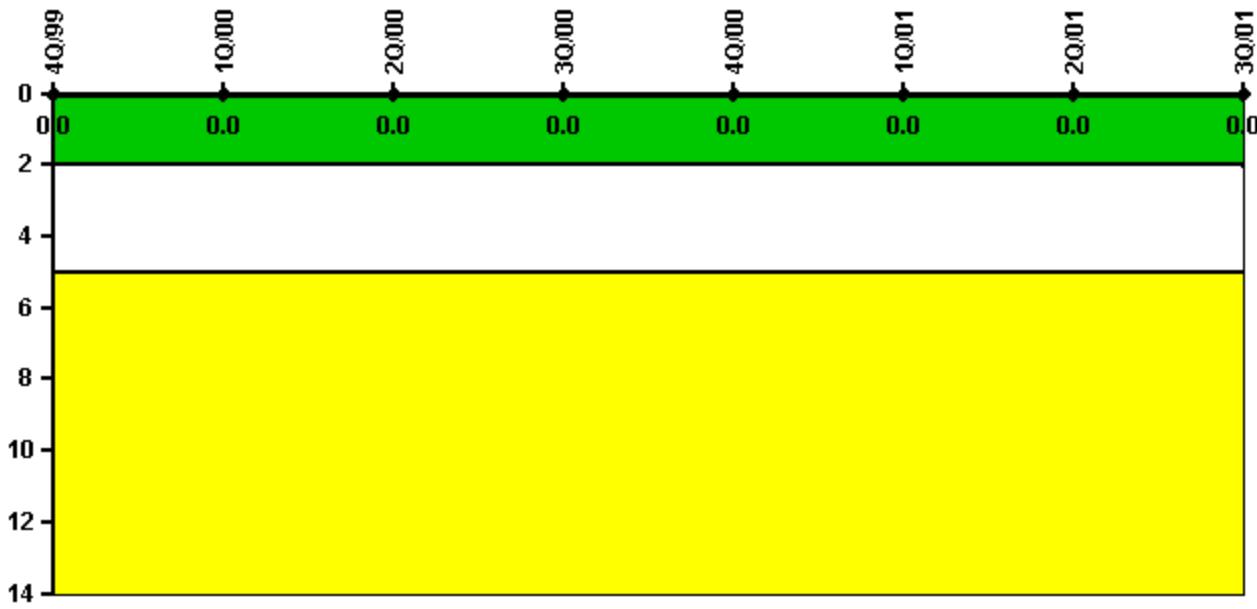
Alert & Notification System

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	143	144	145	144	142	144	145	144
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	98.1%	97.8%	97.8%	98.0%	97.8%	97.8%	97.8%	97.8%

Licensee Comments: none

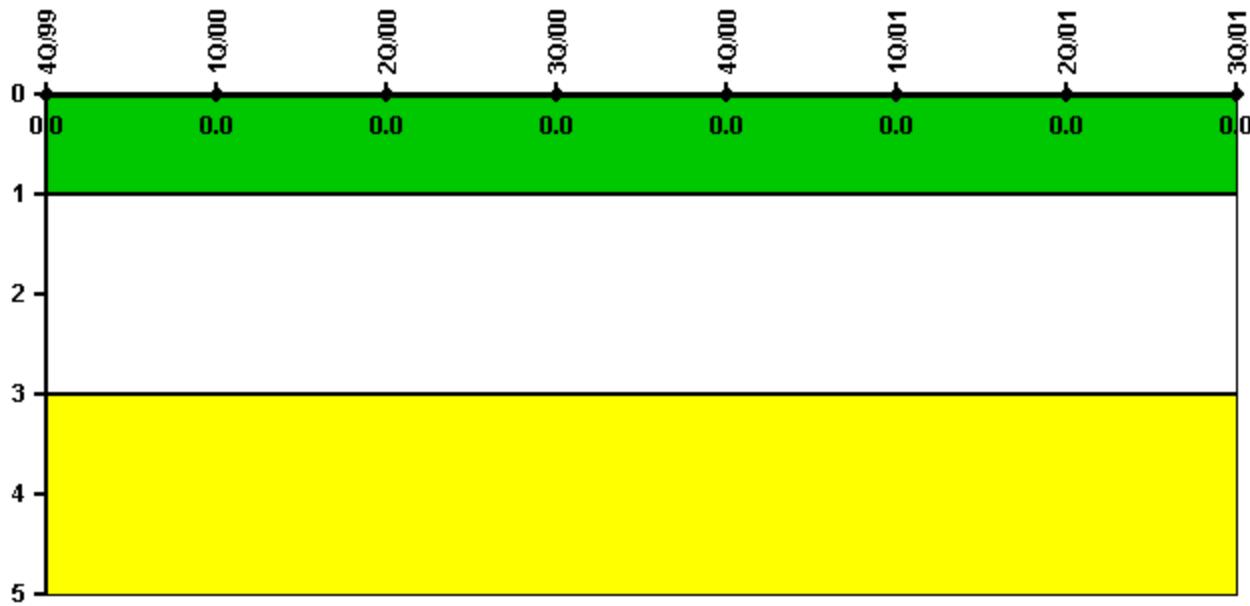
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	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

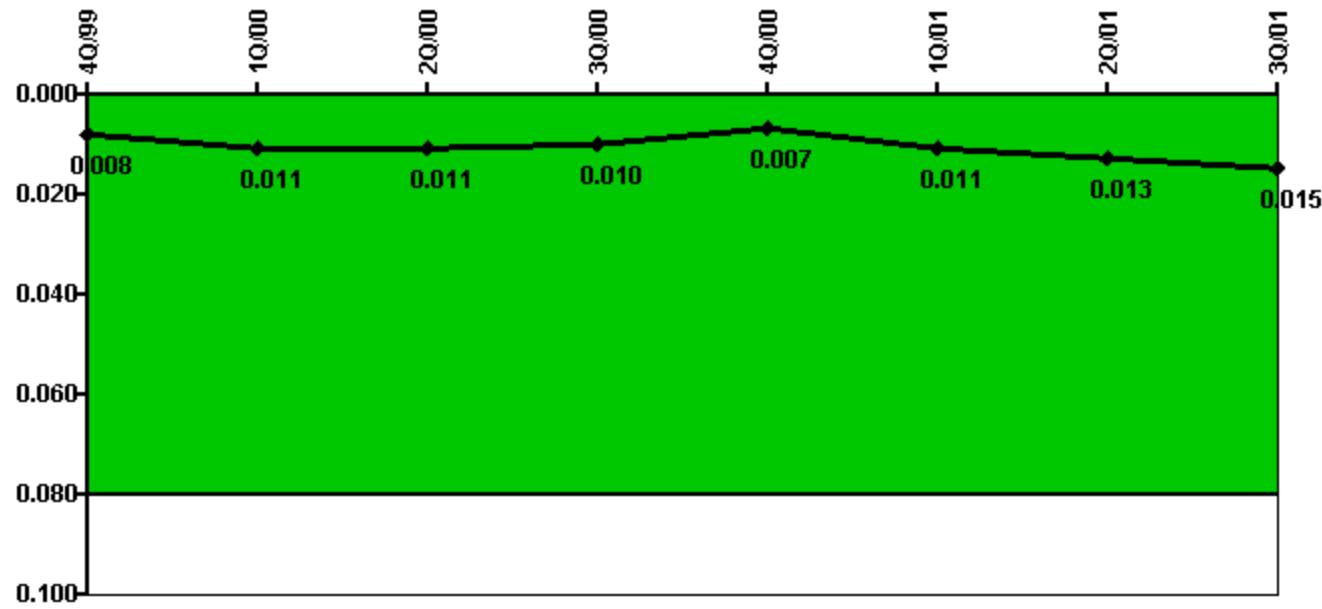
Thresholds: White > 1.0 Yellow > 3.0

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



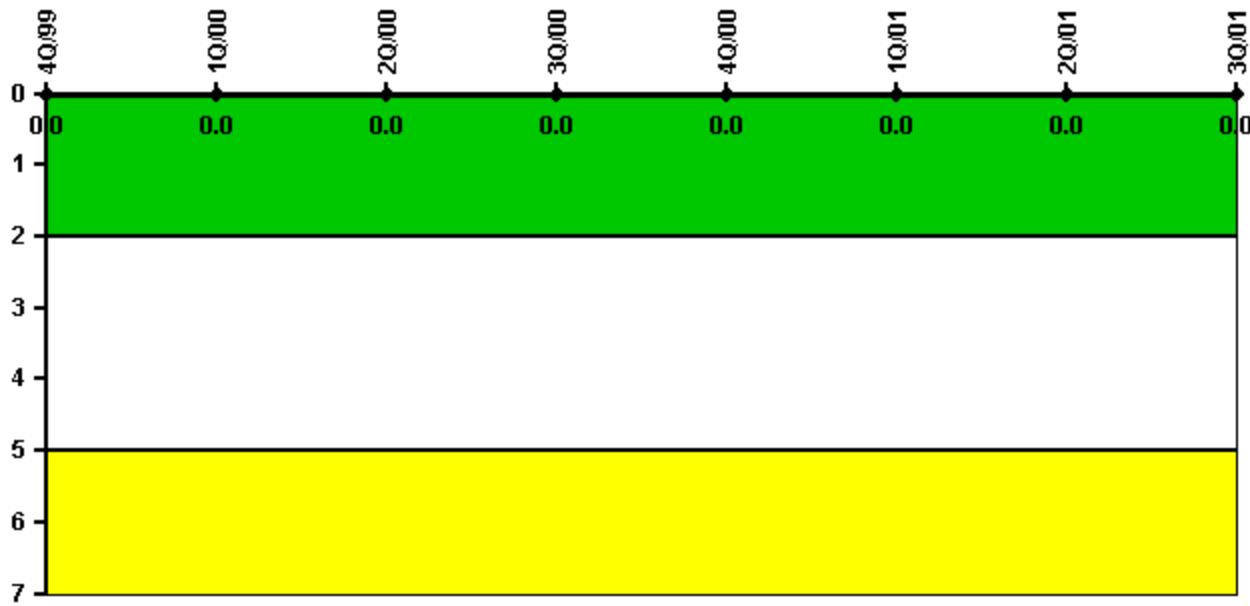
Thresholds: White > 0.080

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	106.30	63.20	17.90	21.60	39.50	196.90	41.10	115.20
CCTV compensatory hours	13.9	14.5	1.5	27.0	4.5	2.5	19.9	13.7
IDS normalization factor	1.65	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	0.008	0.011	0.011	0.010	0.007	0.011	0.013	0.015

Licensee Comments: none

Personnel Screening Program



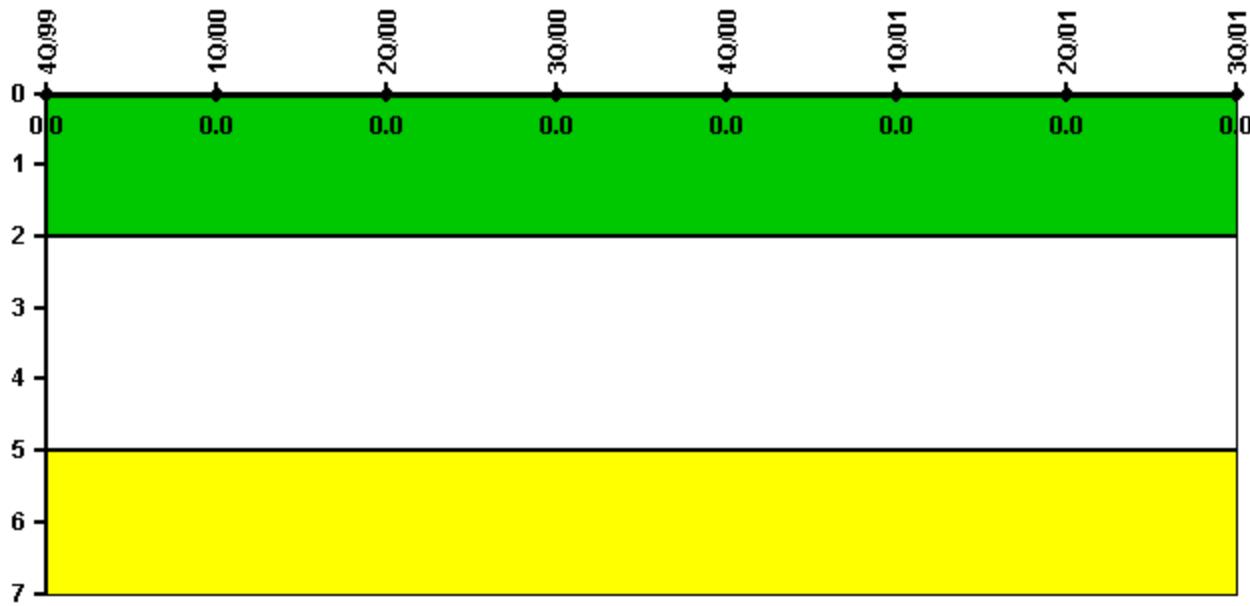
Thresholds: White > 2.0 Yellow > 5.0

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:

3Q/01:

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

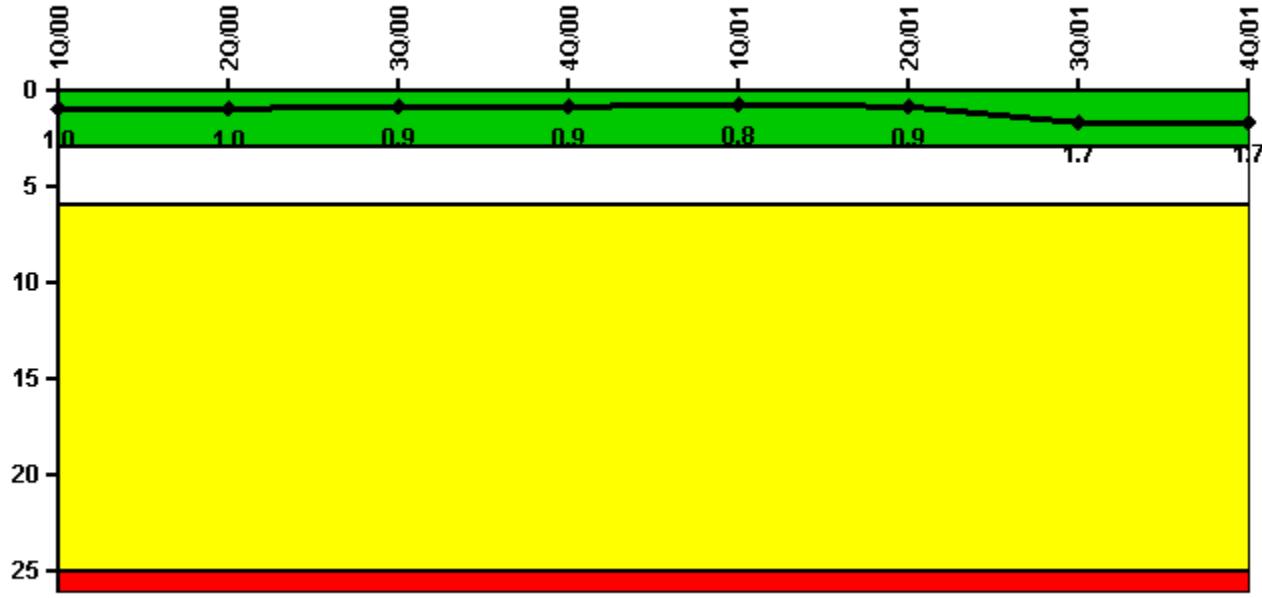


[PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 26, 2002

Arkansas Nuclear 1**4Q/2001 Performance Indicators**

Licensee's General Comments: none

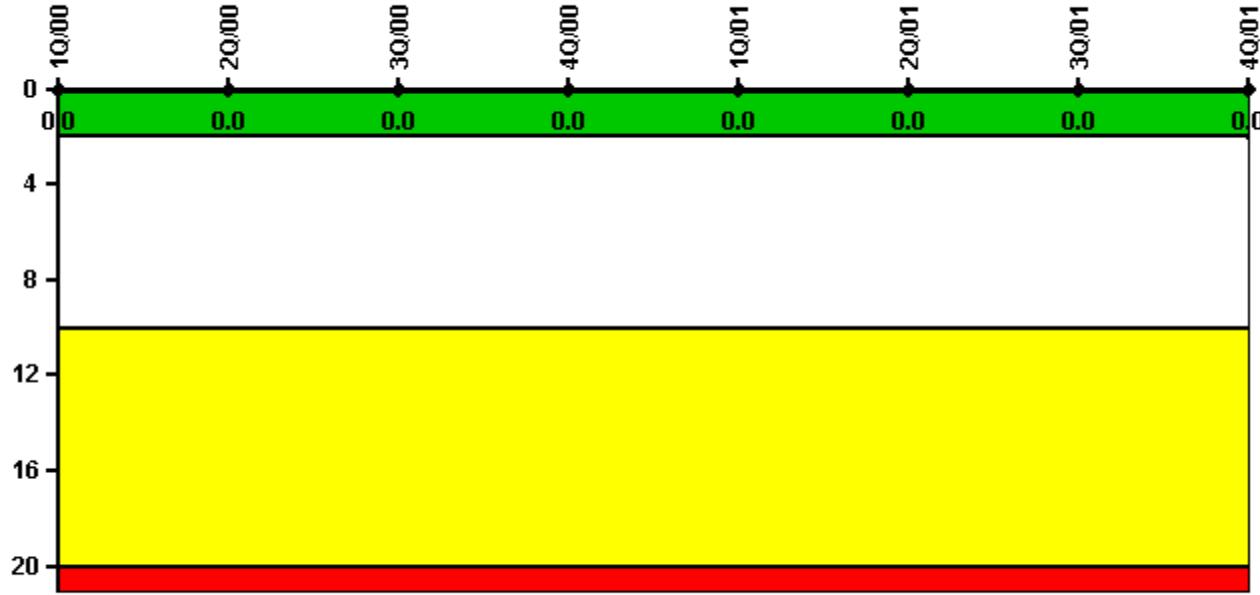
Unplanned Scrams per 7000 Critical Hrs

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	1.0	0	0	0	1.0	0	1.0	0
Critical hours	1186.3	2183.0	2208.0	2209.0	1766.6	2008.9	2187.3	2209.0
Indicator value	1.0	1.0	0.9	0.9	0.8	0.9	1.7	1.7

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

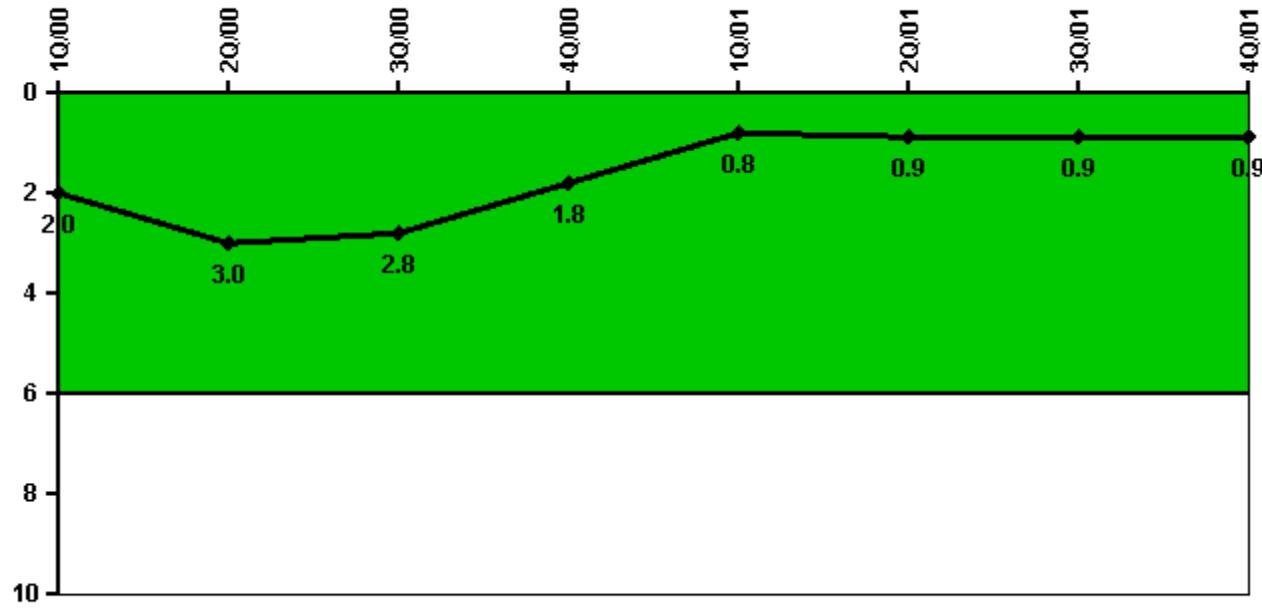
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



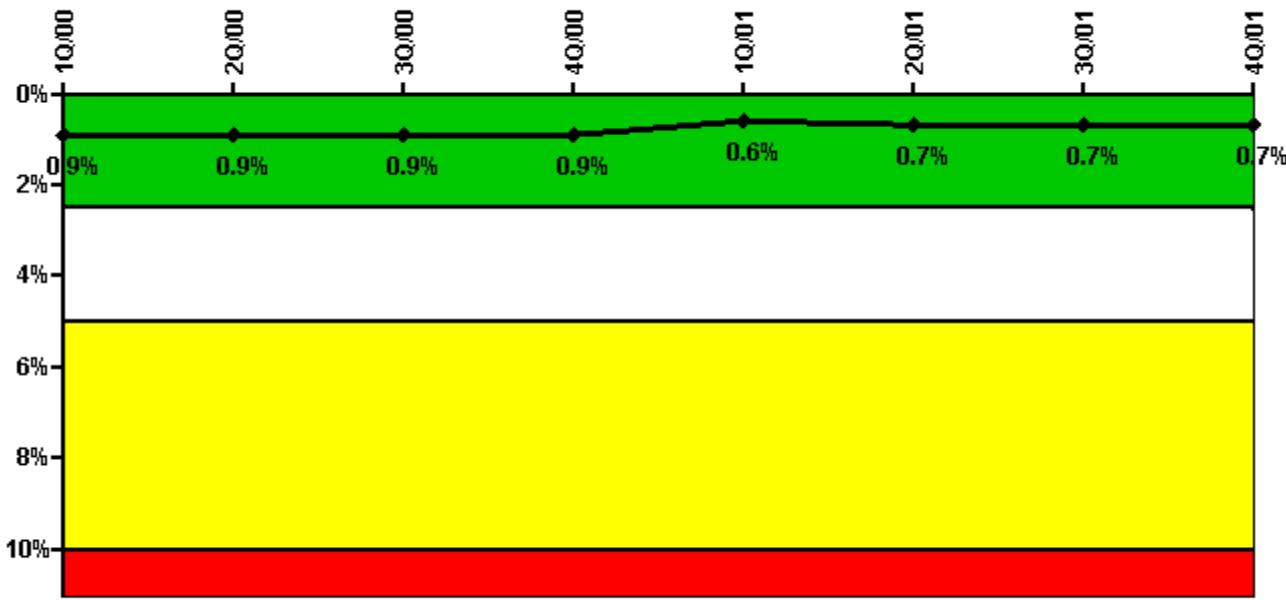
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned power changes	1.0	1.0	0	0	0	1.0	0	0
Critical hours	1186.3	2183.0	2208.0	2209.0	1766.6	2008.9	2187.3	2209.0
Indicator value	2.0	3.0	2.8	1.8	0.8	0.9	0.9	0.9

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



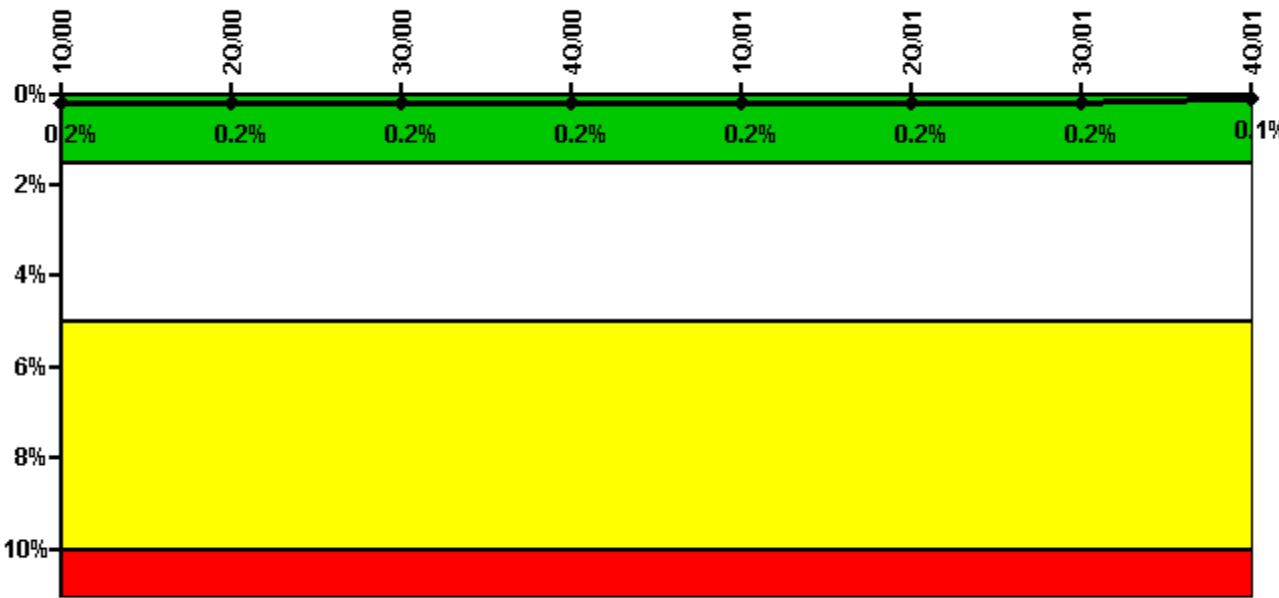
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	0.83	0.62	0.65	0.58	1.80	0.62	1.03	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	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0.80	1.08	0.83	0.68	1.17	1.02	1.87	0.77
Unplanned unavailable hours	0	0	0	0	0	3.47	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	0.9%	0.9%	0.9%	0.9%	0.6%	0.7%	0.7%	0.7%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



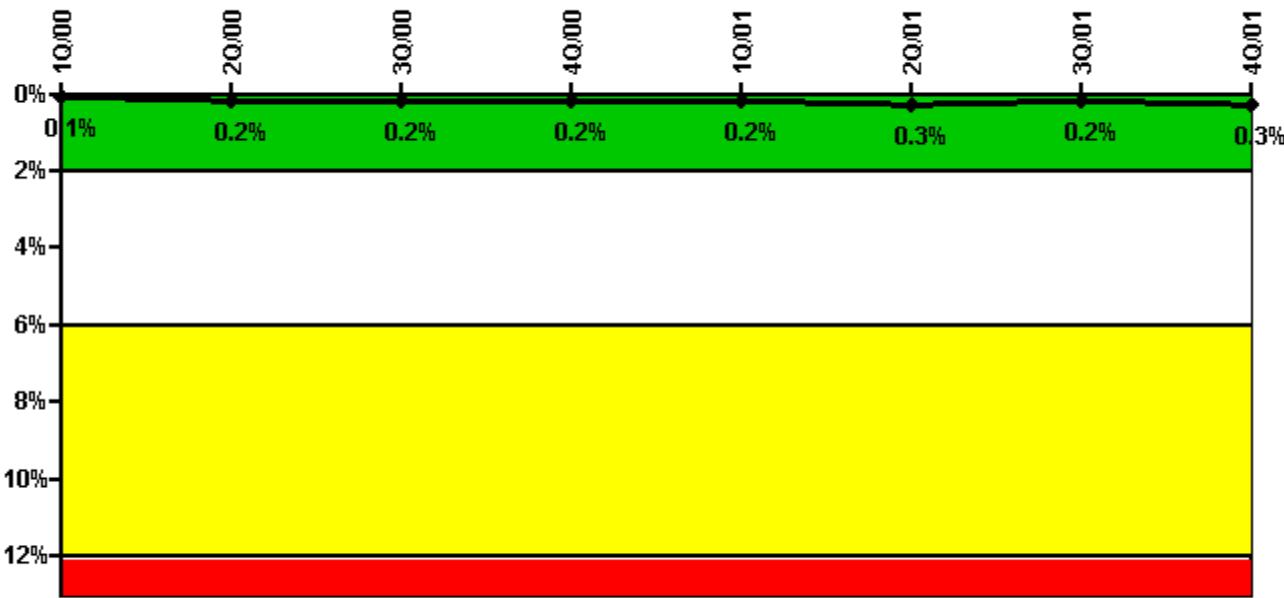
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)		1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1									
Planned unavailable hours		0	5.58	13.75	0	0	0	0	7.85
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		1326.40	2183.00	2208.00	2209.00	1766.60	2009.00	2187.30	2209.00
Train 2									
Planned unavailable hours		0	0	10.88	0	3.60	0	0	0
Unplanned unavailable hours		0	0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		1326.40	2183.00	2208.00	2209.00	1766.60	2009.00	2187.30	2209.00
Indicator value		0.2%	0.1%						

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



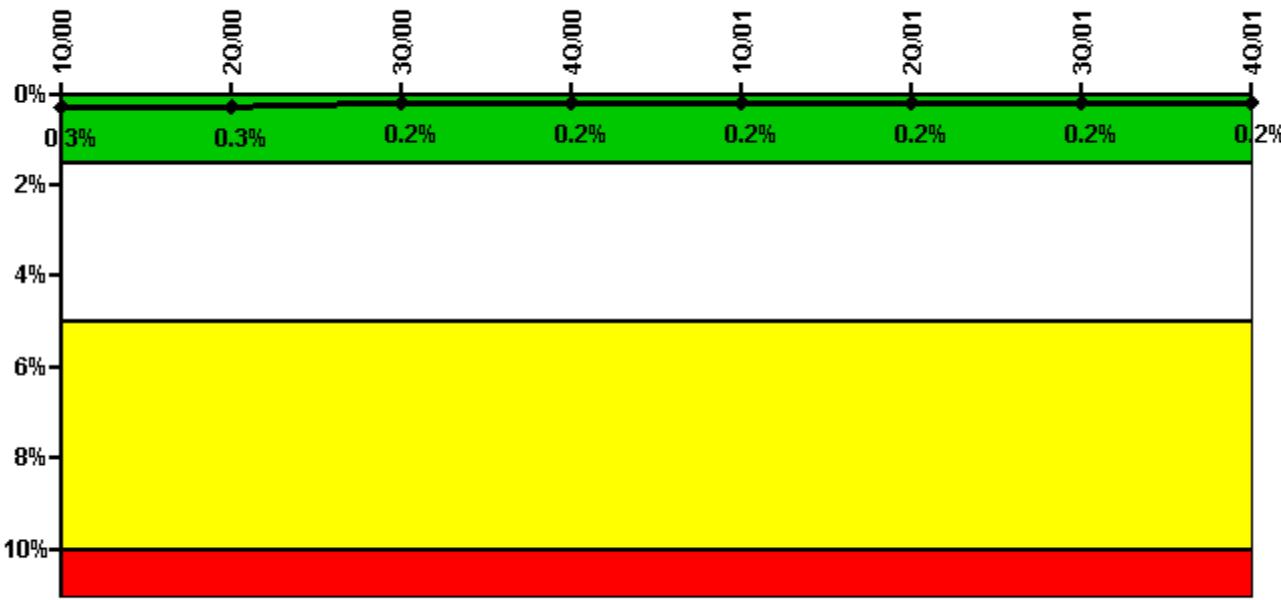
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)		1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1									
Planned unavailable hours		12.50	17.50	0.20	0	0	0	0	15.20
Unplanned unavailable hours		0	9.30	0	0	2.30	19.80	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		1328.00	2183.00	2208.00	2209.00	1818.10	2032.30	2208.00	2209.00
Train 2									
Planned unavailable hours		0	5.50	11.20	0	7.20	0	0	9.15
Unplanned unavailable hours		0	0	0	0	0	0	0	0
Fault exposure hours		0	0	0	0	0	0	0	0
Effective Reset hours		0	0	0	0	0	0	0	0
Required hours		1431.70	2183.00	2208.00	2209.00	1821.30	2039.30	2208.00	2209.00
Indicator value		0.1%	0.2%	0.2%	0.2%	0.2%	0.3%	0.2%	0.3%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

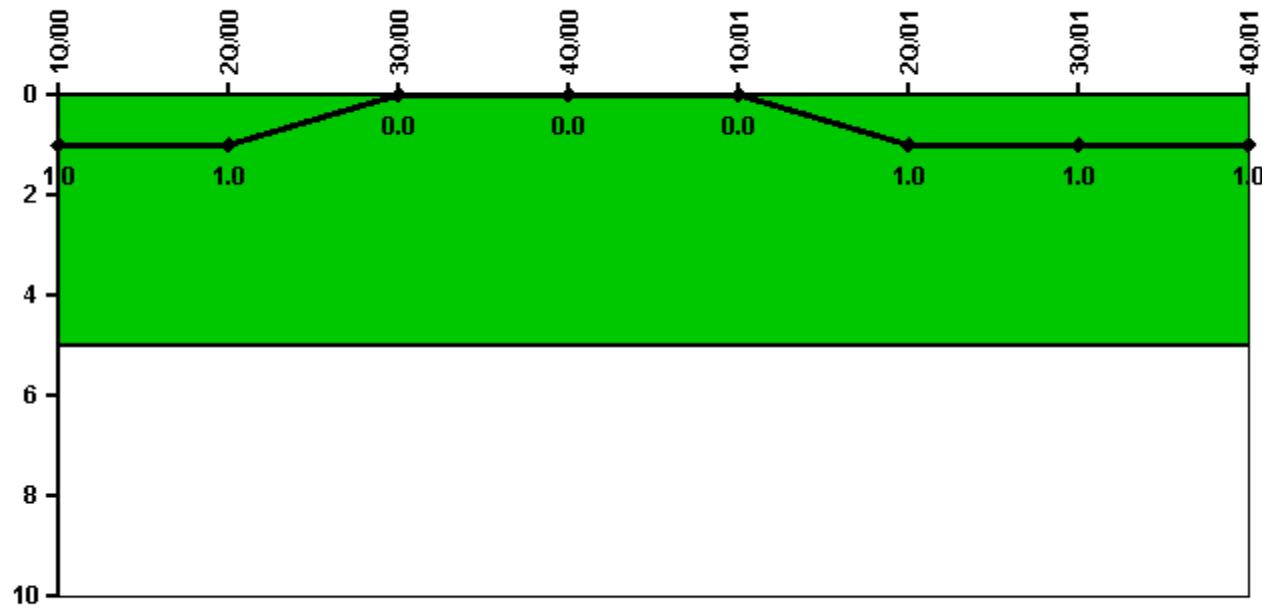


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	15.10	0	0	1.83	0	0	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	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0	0.10	18.60	2.20	0	0	0	0
Unplanned unavailable hours	0	0	0	0	28.25	0	0	0
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	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%

Licensee Comments: none

Safety System Functional Failures (PWR)

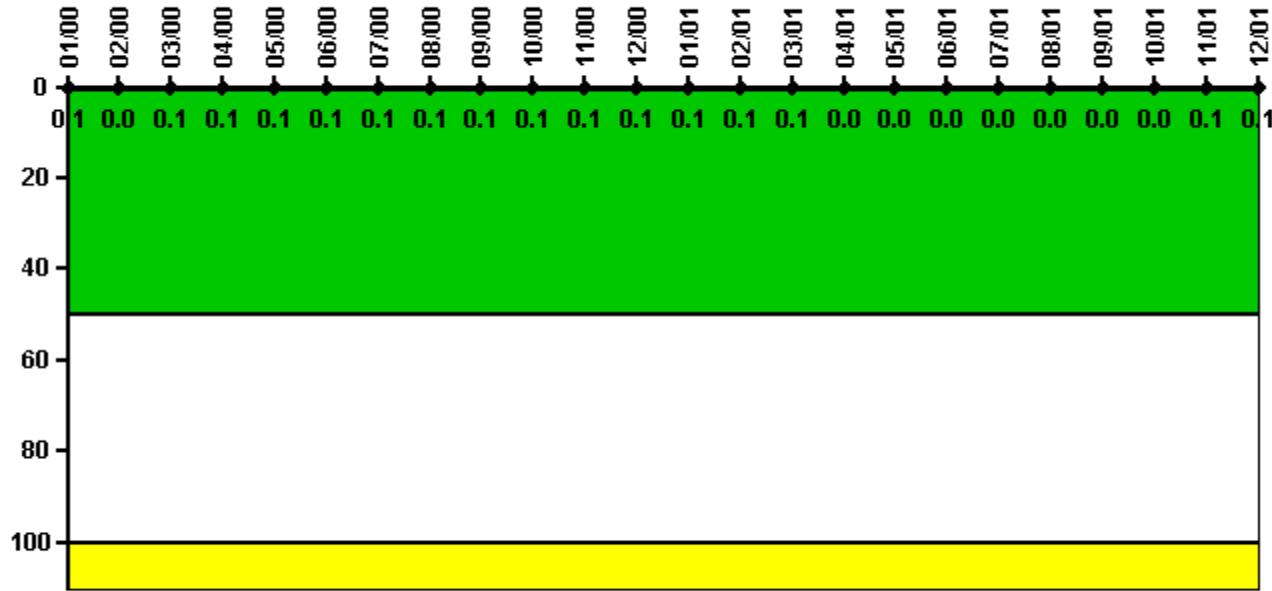
Thresholds: White > 5.0

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	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

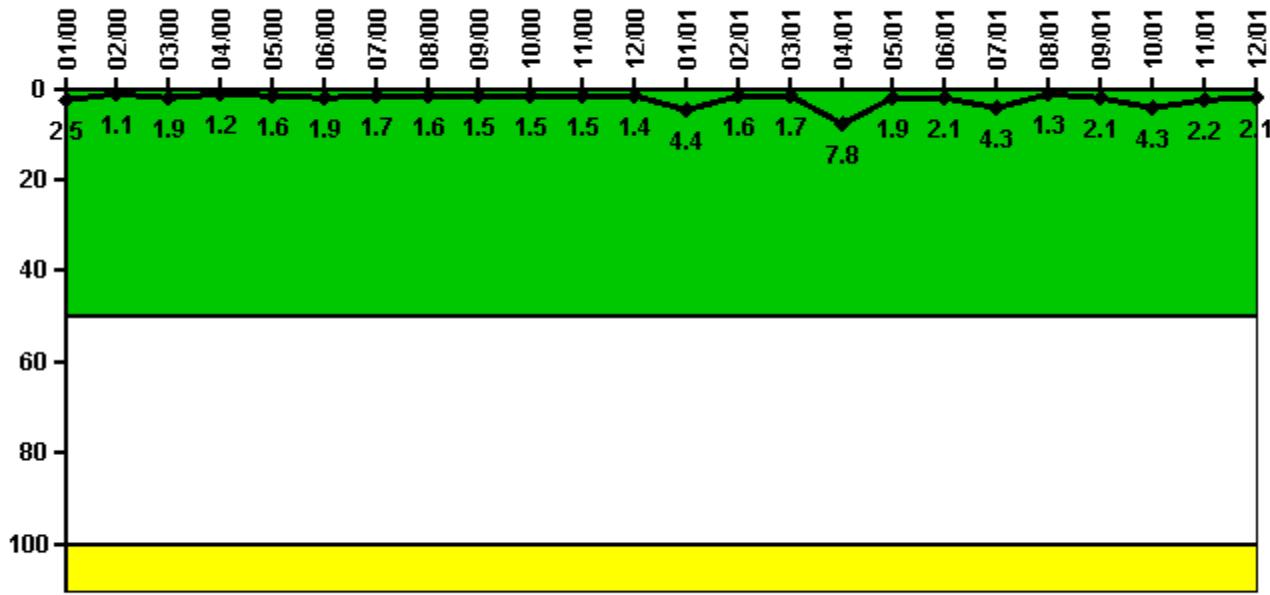
Notes

Reactor Coolant System Activity	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	0.001910	0.001440	0.002030	0.002040	0.002300	0.002360	0.002420	0.002610	0.002780	0.002720	0.002840	0.003020
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
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

Reactor Coolant System Activity	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	0.003100	0.003170	0.003710	0.001340	0.001310	0.001430	0.001450	0.001530	0.001570	0.001690	0.001770	0.001850
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0.1	0.1	0	0	0	0	0	0	0	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



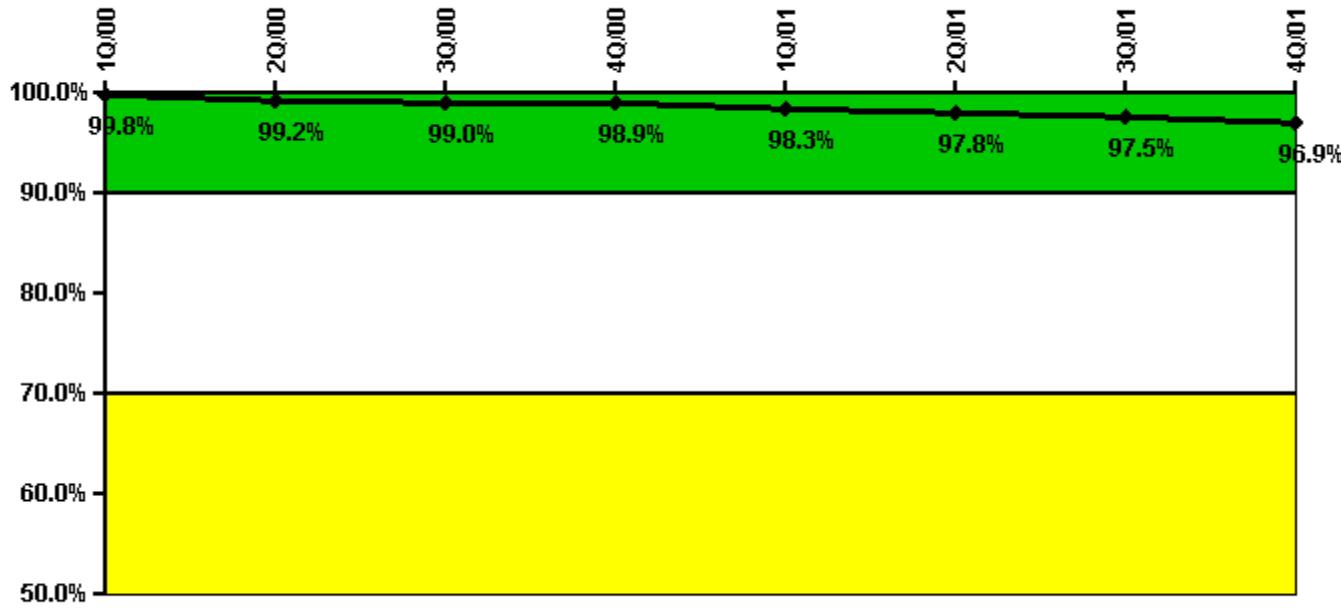
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.250	0.110	0.190	0.116	0.162	0.190	0.167	0.158	0.149	0.153	0.145	0.141
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	2.5	1.1	1.9	1.2	1.6	1.9	1.7	1.6	1.5	1.5	1.5	1.4

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	0.438	0.161	0.165	0.783	0.188	0.207	0.431	0.130	0.208	0.425	0.220	0.210
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	1.6	1.7	7.8	1.9	2.1	4.3	1.3	2.1	4.3	2.2	2.1

Licensee Comments: none

Drill/Exercise Performance

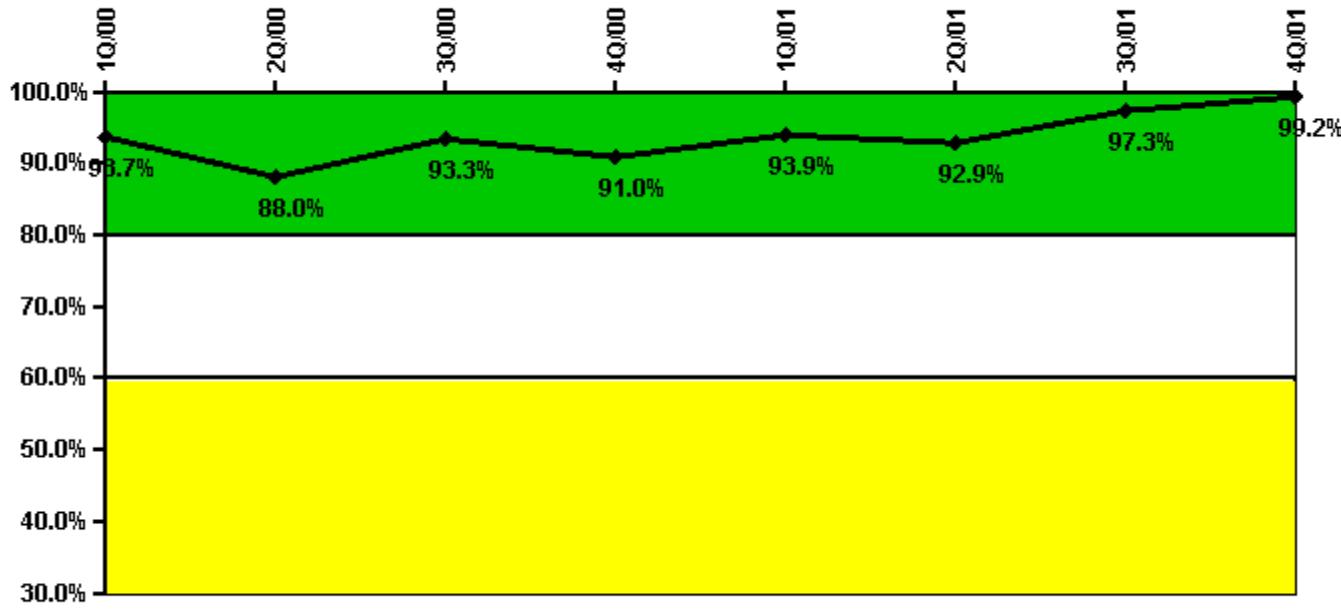
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful opportunities	96.0	82.0	55.0	16.0	37.0	65.0	161.0	60.0
Total opportunities	96.0	85.0	56.0	16.0	40.0	68.0	165.0	64.0
Indicator value	99.8%	99.2%	99.0%	98.9%	98.3%	97.8%	97.5%	96.9%

Licensee Comments: none

ERO Drill Participation



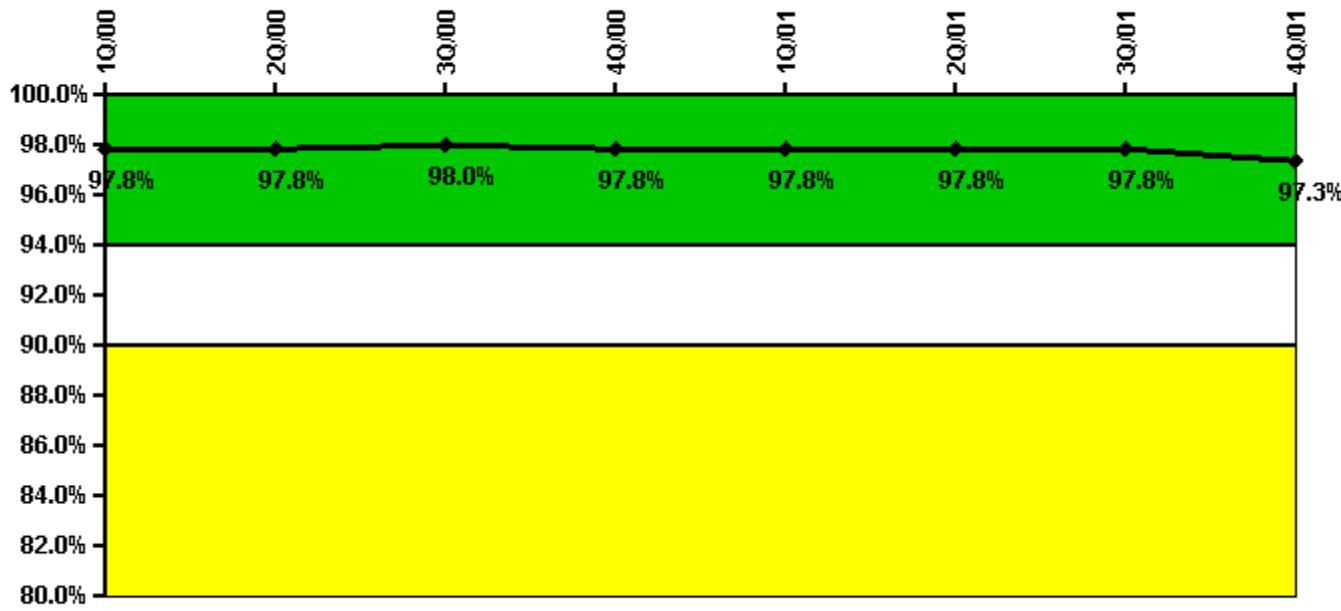
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	118.0	88.0	98.0	101.0	107.0	104.0	108.0	120.0
Total Key personnel	126.0	100.0	105.0	111.0	114.0	112.0	111.0	121.0
Indicator value	93.7%	88.0%	93.3%	91.0%	93.9%	92.9%	97.3%	99.2%

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	144	145	144	142	144	145	144	139
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	97.8%	97.8%	98.0%	97.8%	97.8%	97.8%	97.8%	97.3%

Licensee Comments: none

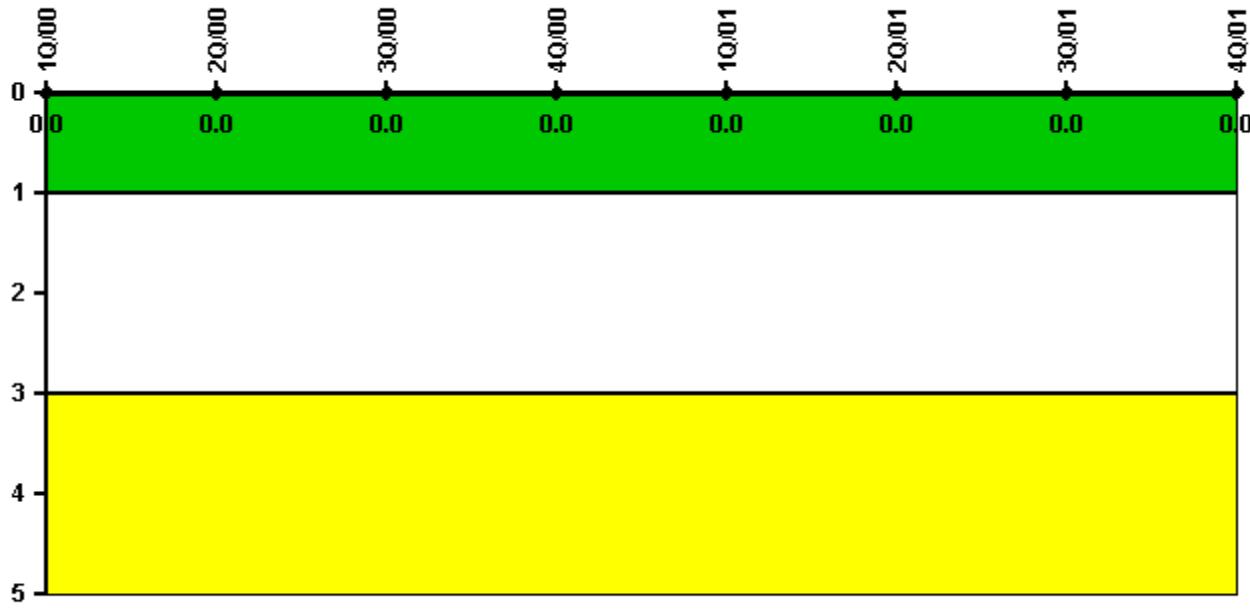
Occupational Exposure Control Effectiveness

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

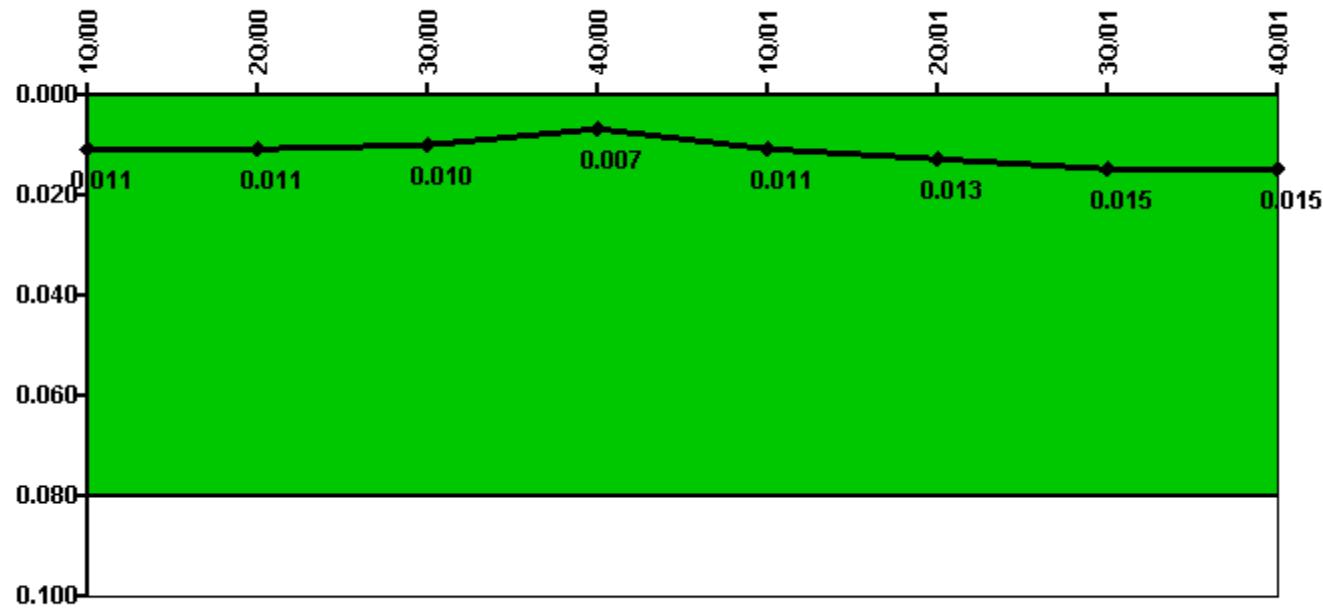
Thresholds: White > 1.0 Yellow > 3.0

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

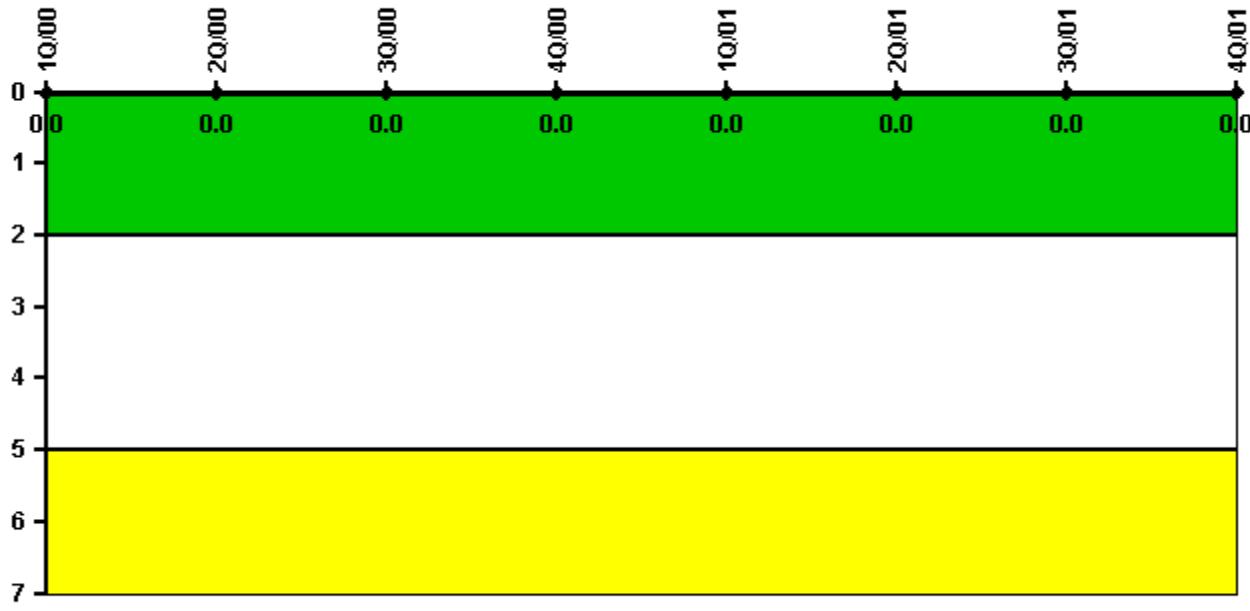


Thresholds: White > 0.080

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	63.20	17.90	21.60	39.50	196.90	41.10	115.20	29.40
CCTV compensatory hours	14.5	1.5	27.0	4.5	2.5	19.9	13.7	1.5
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	0.011	0.011	0.010	0.007	0.011	0.013	0.015	0.015

Licensee Comments: none

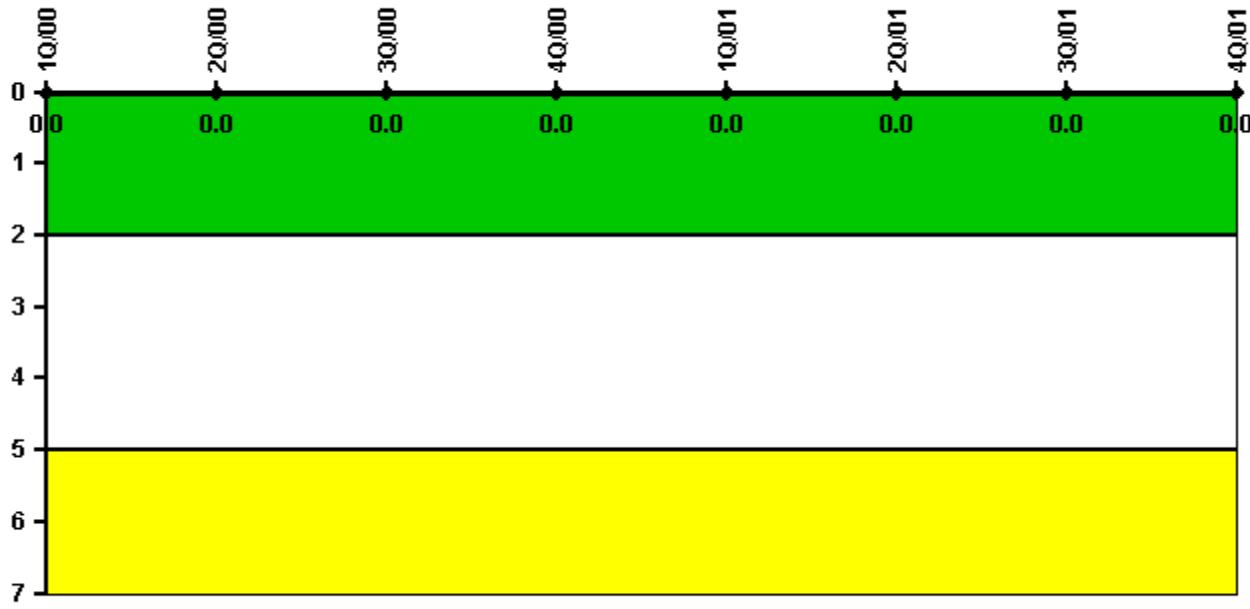
Personnel Screening Program

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

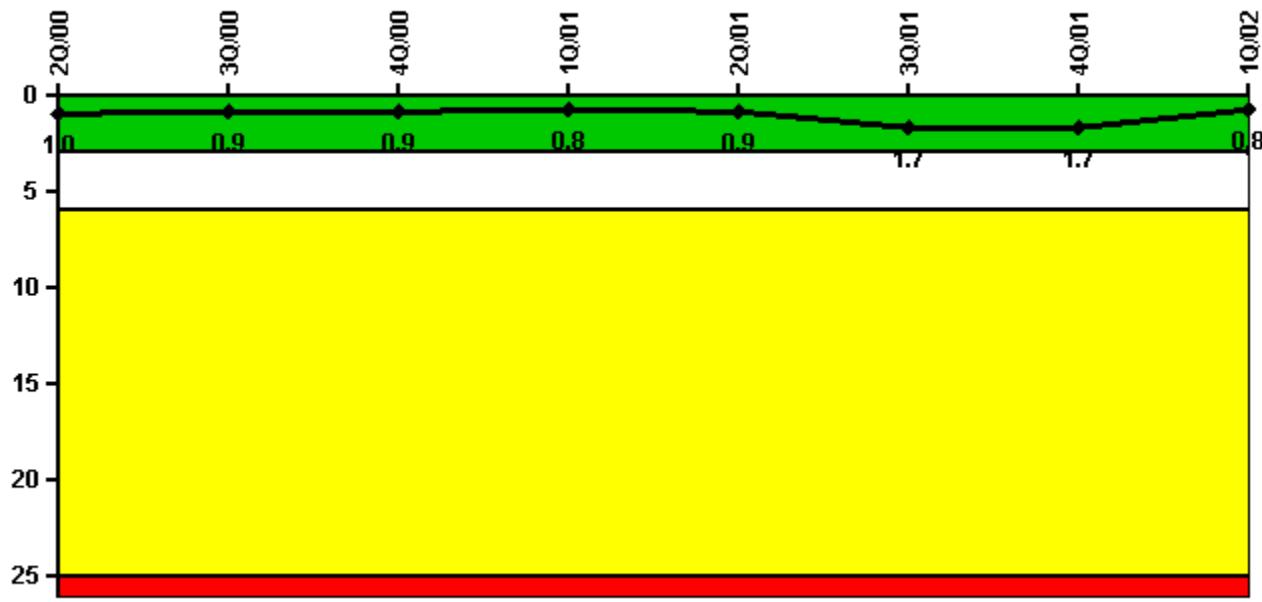


[PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 15, 2002

Arkansas Nuclear 1**1Q/2002 Performance Indicators**

Licensee's General Comments: none

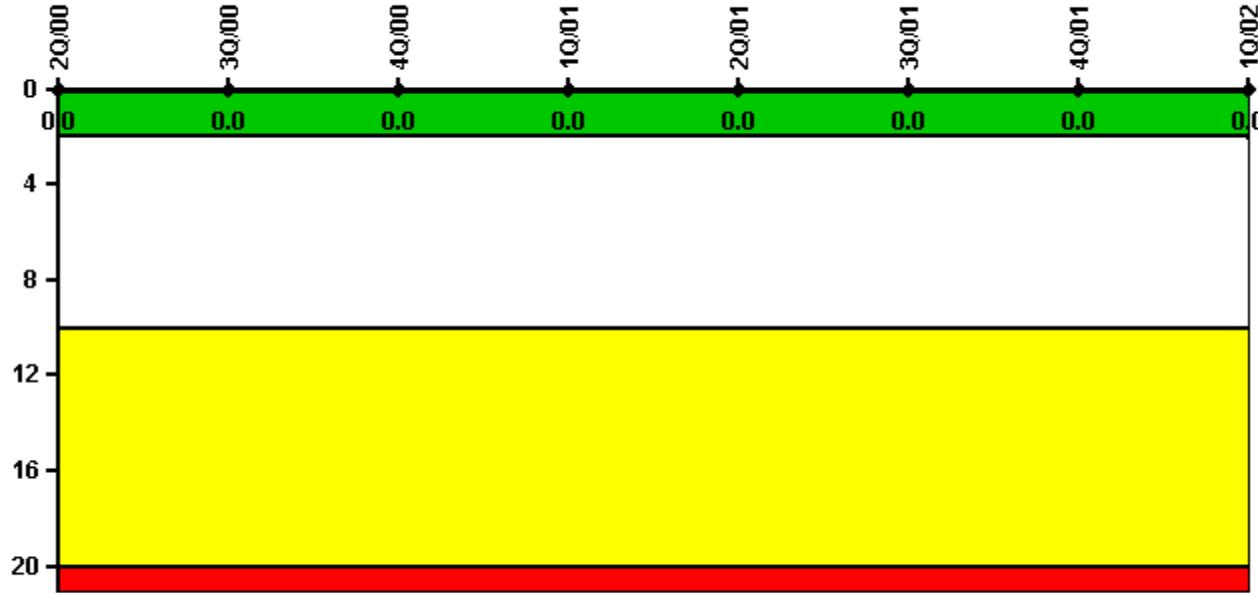
Unplanned Scrams per 7000 Critical Hrs

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	1.0	0	0
Critical hours	2183.0	2208.0	2209.0	1766.6	2008.9	2187.3	2209.0	2160.0
Indicator value	1.0	0.9	0.9	0.8	0.9	1.7	1.7	0.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

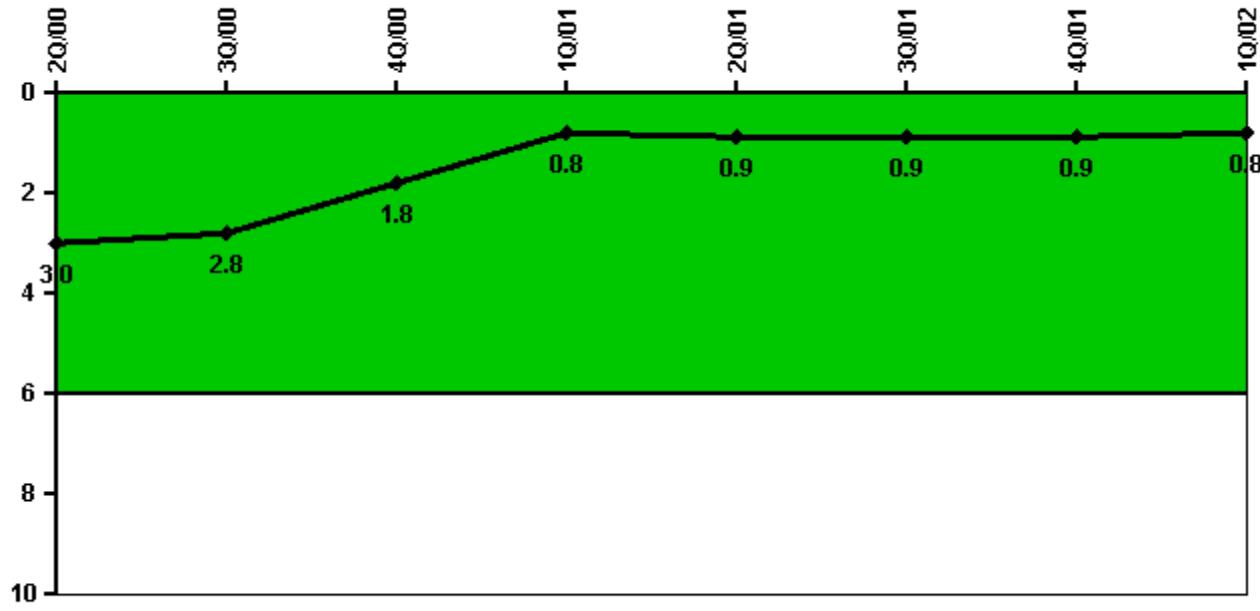
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	2Q/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



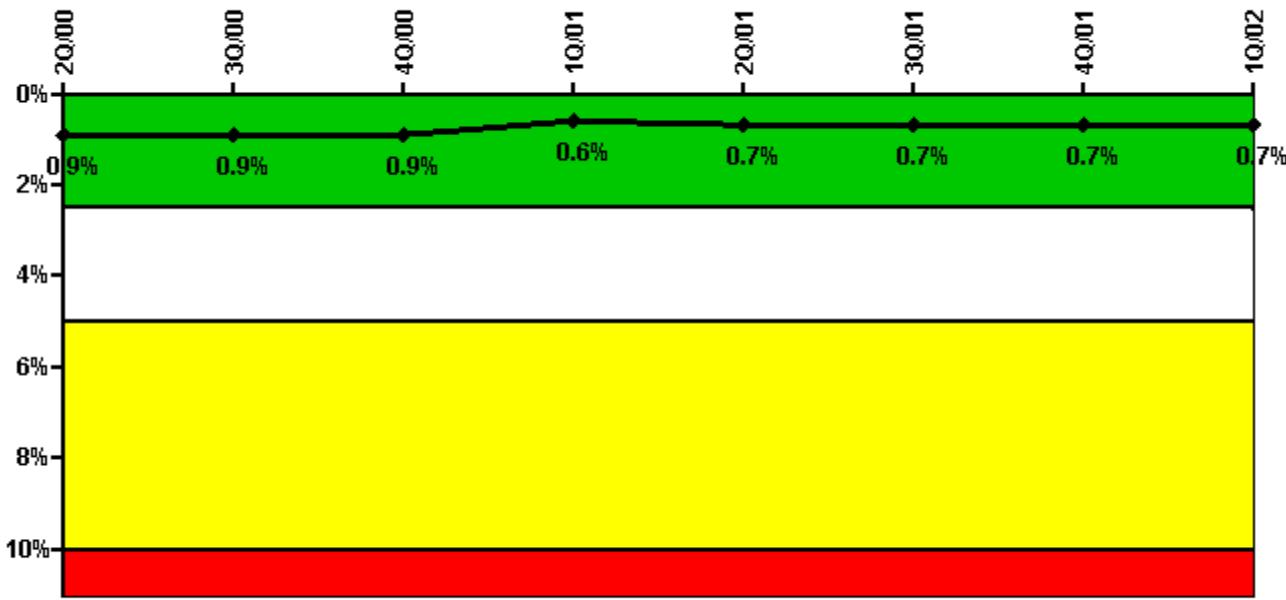
Thresholds: White > 6.0

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	1.0	0	0	0
Critical hours	2183.0	2208.0	2209.0	1766.6	2008.9	2187.3	2209.0	2160.0
Indicator value	3.0	2.8	1.8	0.8	0.9	0.9	0.9	0.8

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



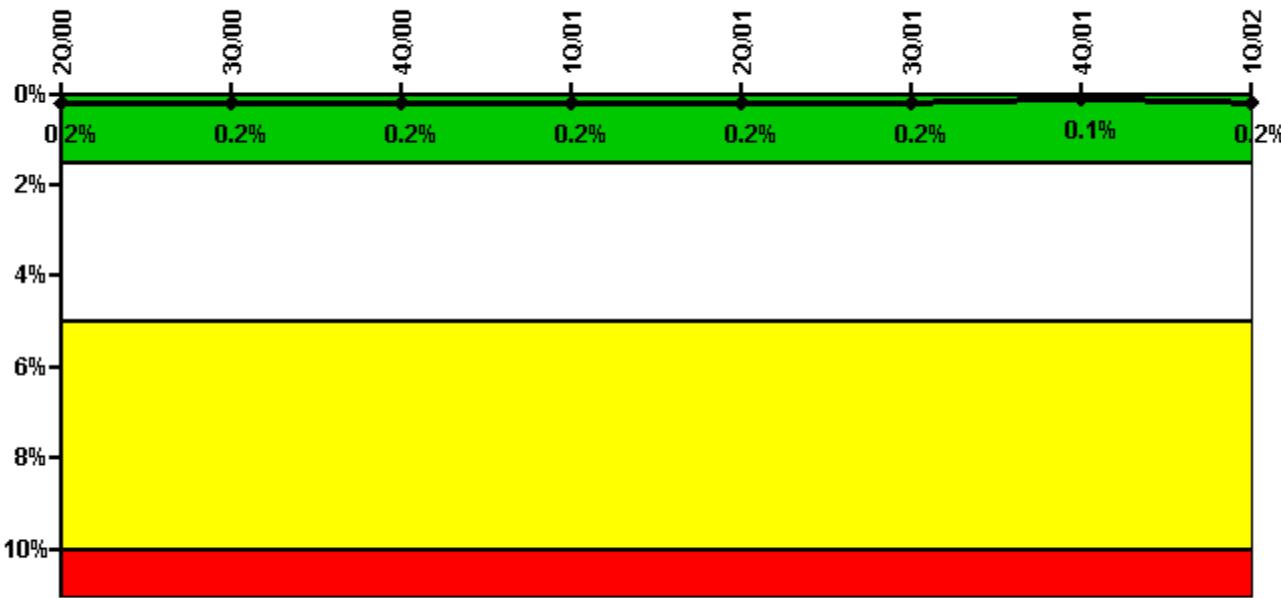
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	0.62	0.65	0.58	1.80	0.62	1.03	0.90	0.82
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	1.08	0.83	0.68	1.17	1.02	1.87	0.77	1.17
Unplanned unavailable hours	0	0	0	0	3.47	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.9%	0.9%	0.9%	0.6%	0.7%	0.7%	0.7%	0.7%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



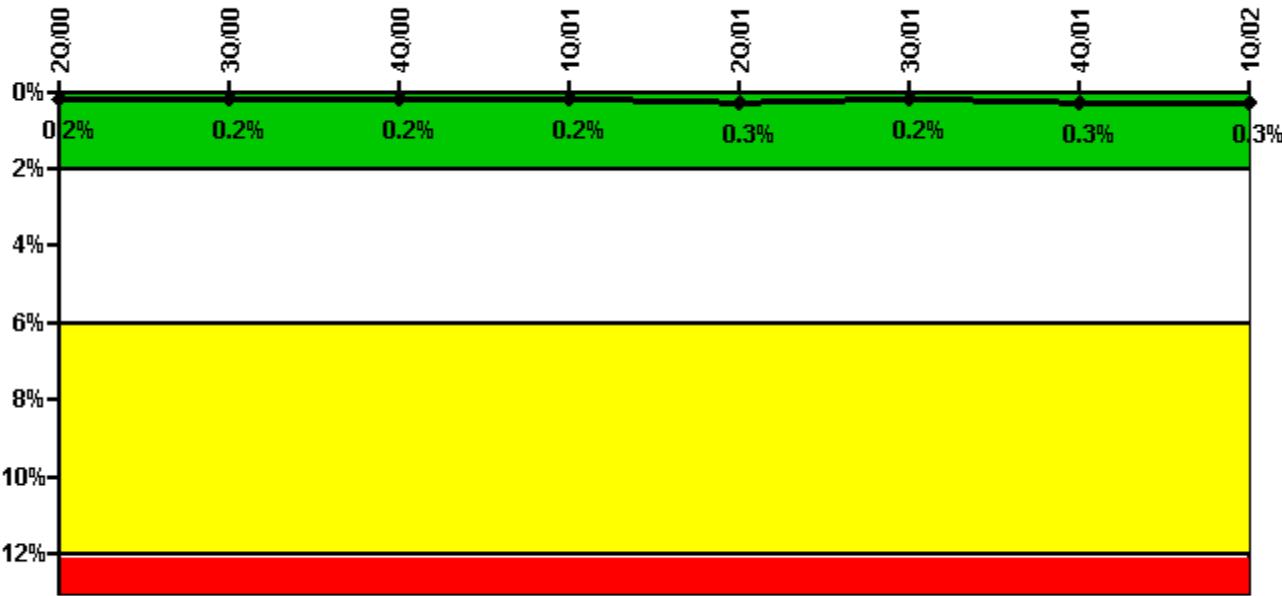
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	5.58	13.75	0	0	0	0	7.85	3.55
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1766.60	2009.00	2187.30	2209.00	2160.00
Train 2								
Planned unavailable hours	0	10.88	0	3.60	0	0	0	13.30
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	1766.60	2009.00	2187.30	2209.00	2160.00
Indicator value	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%	0.2%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



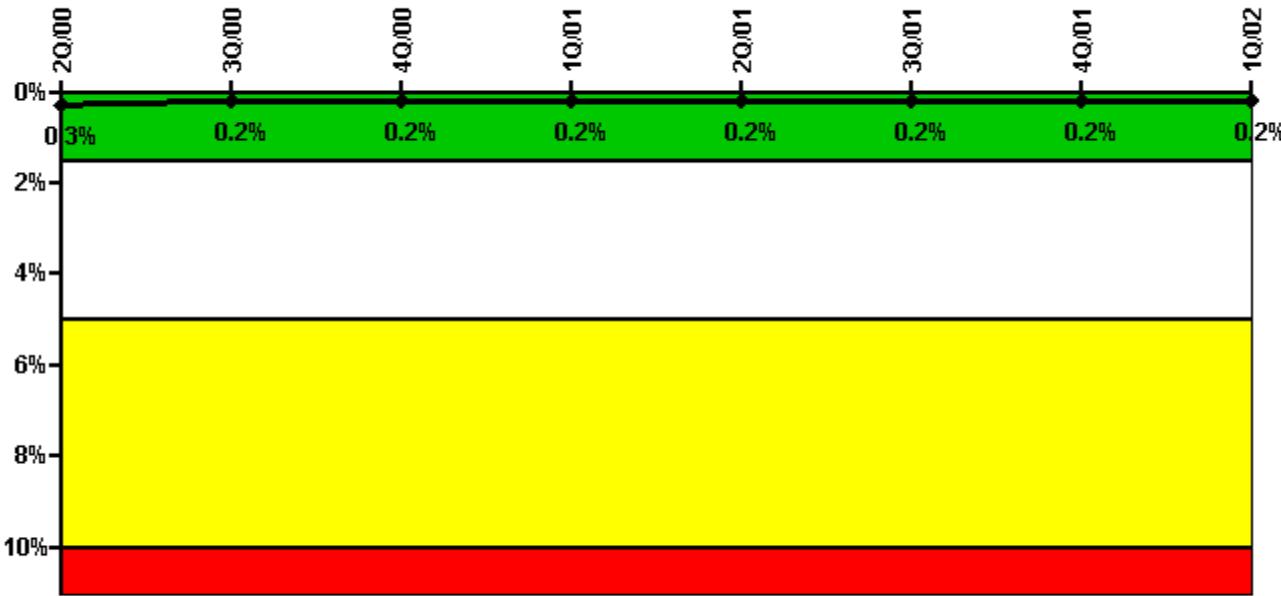
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	17.50	0.20	0	0	0	0	15.20	0
Unplanned unavailable hours	9.30	0	0	2.30	19.80	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	1818.10	2032.30	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	5.50	11.20	0	7.20	0	0	9.15	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	1821.30	2039.30	2208.00	2209.00	2160.00
Indicator value	0.2%	0.2%	0.2%	0.2%	0.3%	0.2%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

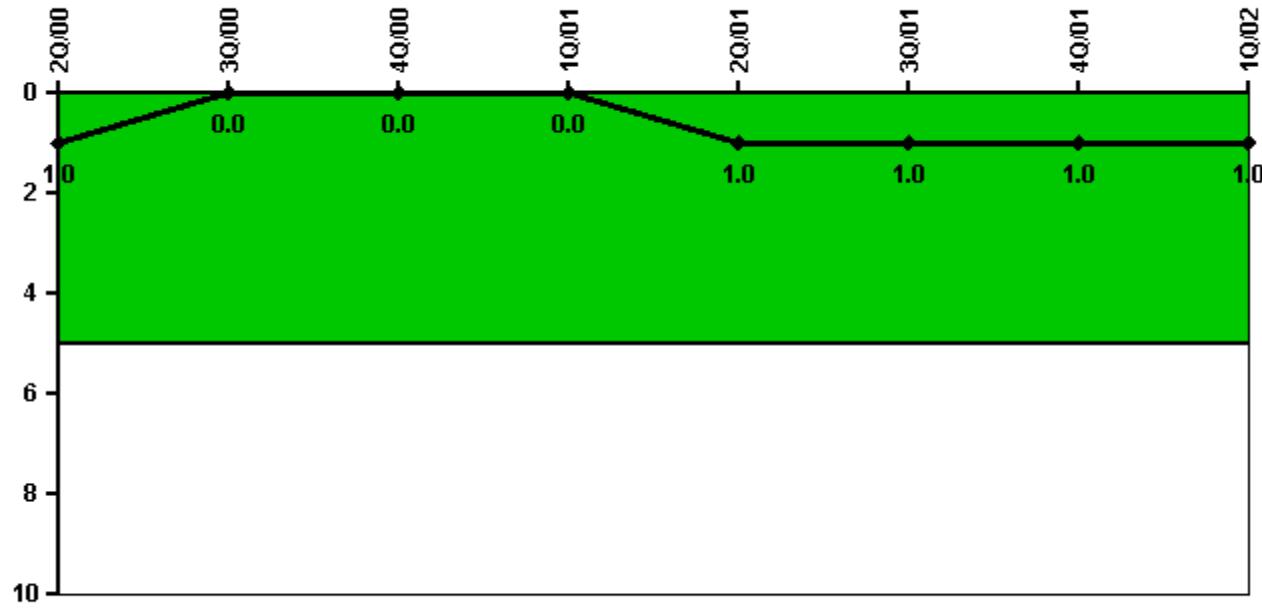


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	0	0	1.83	0	0	0	10.60	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0.10	18.60	2.20	0	0	0	0	15.10
Unplanned unavailable hours	0	0	0	28.25	0	0	0	0
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	0.3%	0.2%						

Licensee Comments: none

Safety System Functional Failures (PWR)

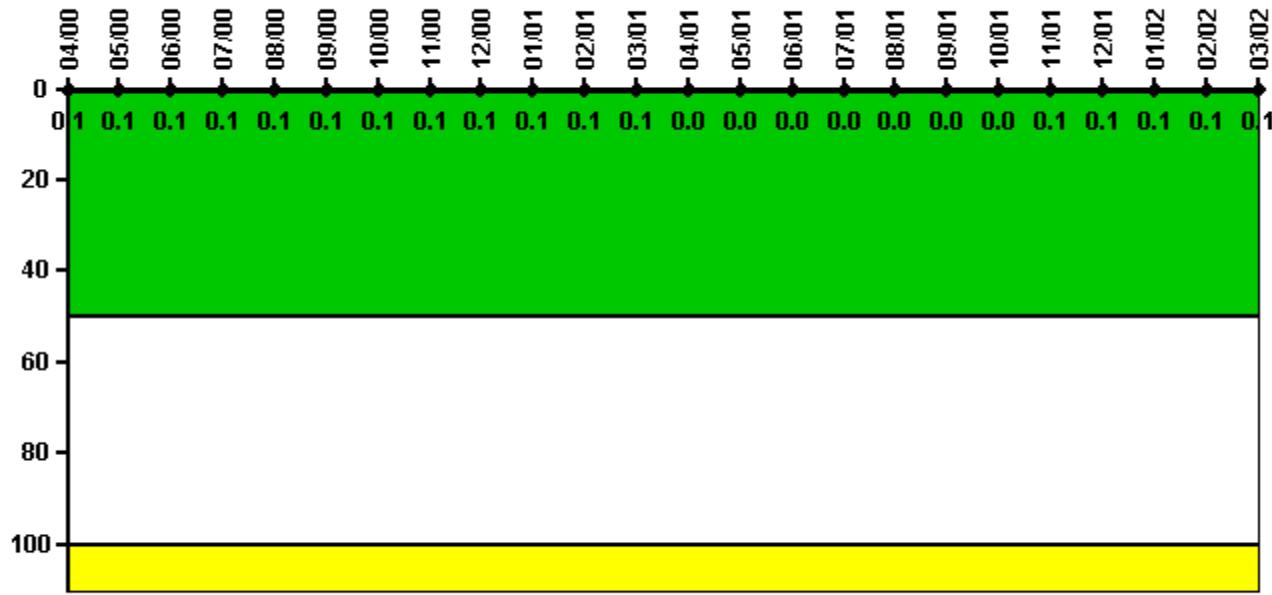
Thresholds: White > 5.0

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

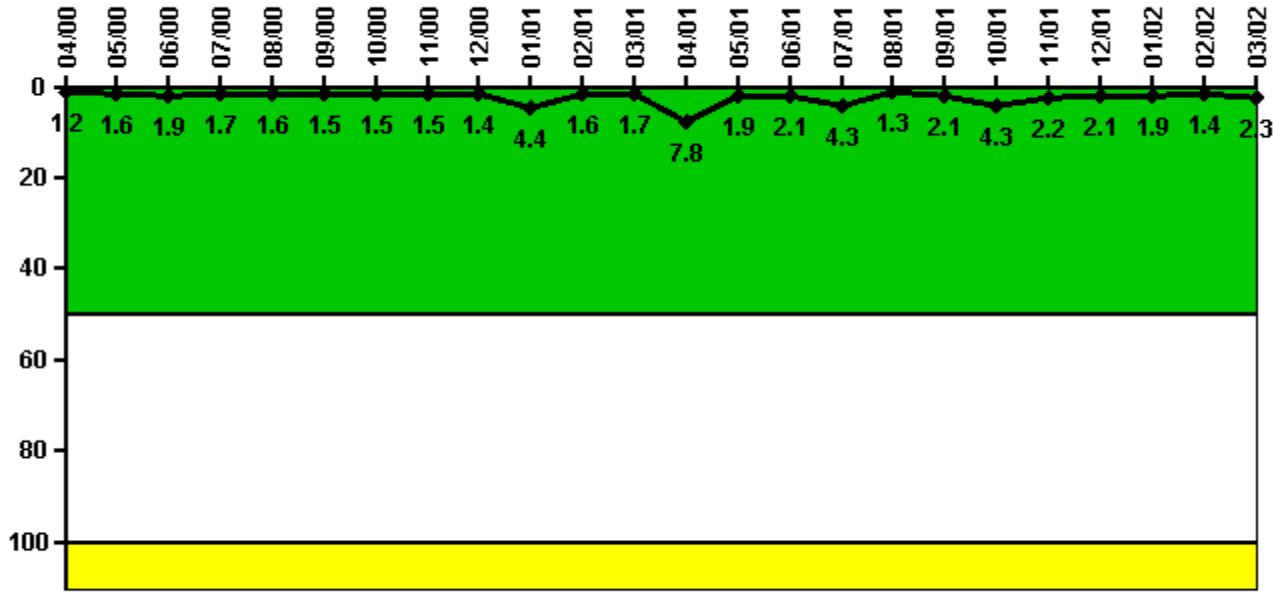
Notes

Reactor Coolant System Activity	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	0.002040	0.002300	0.002360	0.002420	0.002610	0.002780	0.002720	0.002840	0.003020	0.003100	0.003170	0.003710
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
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	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum activity	0.001340	0.001310	0.001430	0.001450	0.001530	0.001570	0.001690	0.001770	0.001850	0.001870	0.001910	0.002070
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



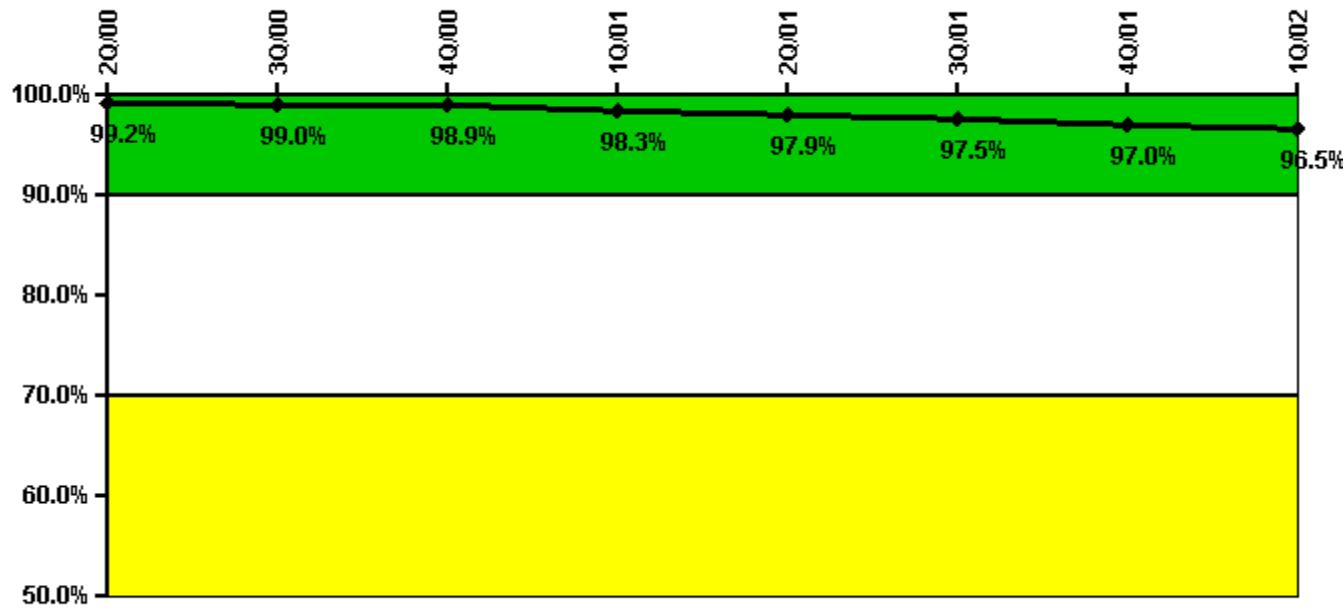
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.116	0.162	0.190	0.167	0.158	0.149	0.153	0.145	0.141	0.438	0.161	0.165
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	1.6	1.9	1.7	1.6	1.5	1.5	1.5	1.4	4.4	1.6	1.7
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	0.783	0.188	0.207	0.431	0.130	0.208	0.425	0.220	0.210	0.193	0.136	0.229
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	7.8	1.9	2.1	4.3	1.3	2.1	4.3	2.2	2.1	1.9	1.4	2.3

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

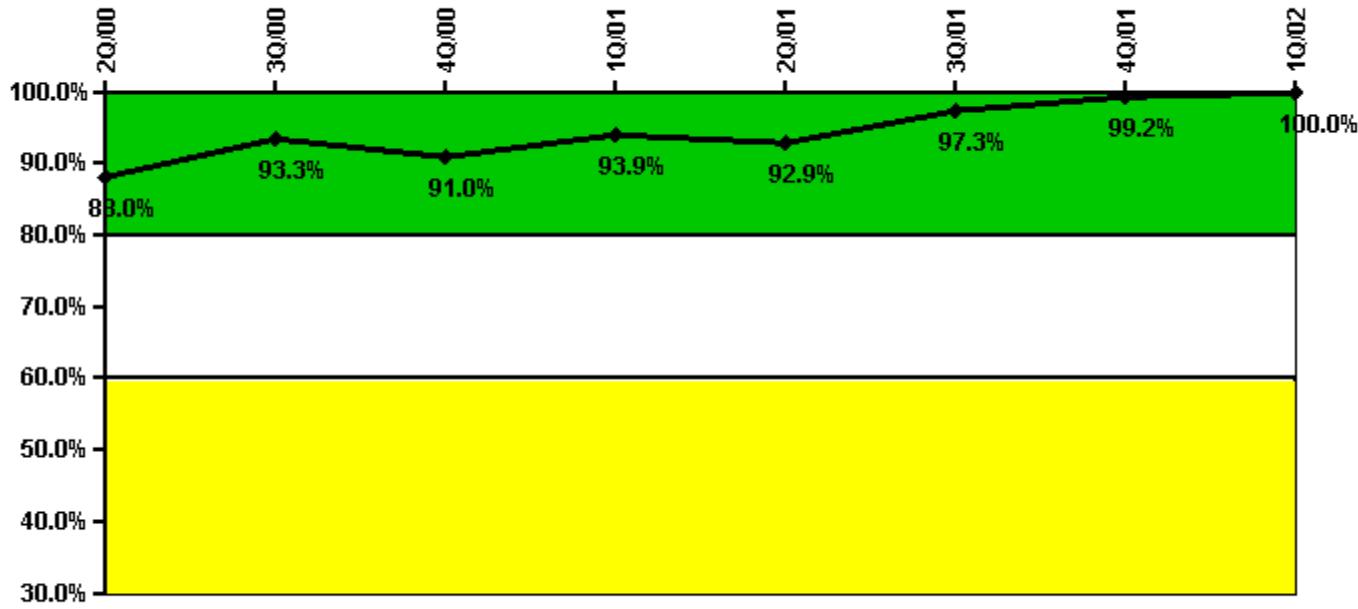
Notes

Drill/Exercise Performance	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Successful opportunities	82.0	55.0	16.0	37.0	69.0	161.0	60.0	71.0
Total opportunities	85.0	56.0	16.0	40.0	72.0	165.0	64.0	73.0
Indicator value	99.2%	99.0%	98.9%	98.3%	97.9%	97.5%	97.0%	96.5%

Licensee Comments:

2Q/01: Second Quarter 2001 data was revised to include 4 successful event opportunities that were inadvertently omitted when the data was originally reported.

ERO Drill Participation

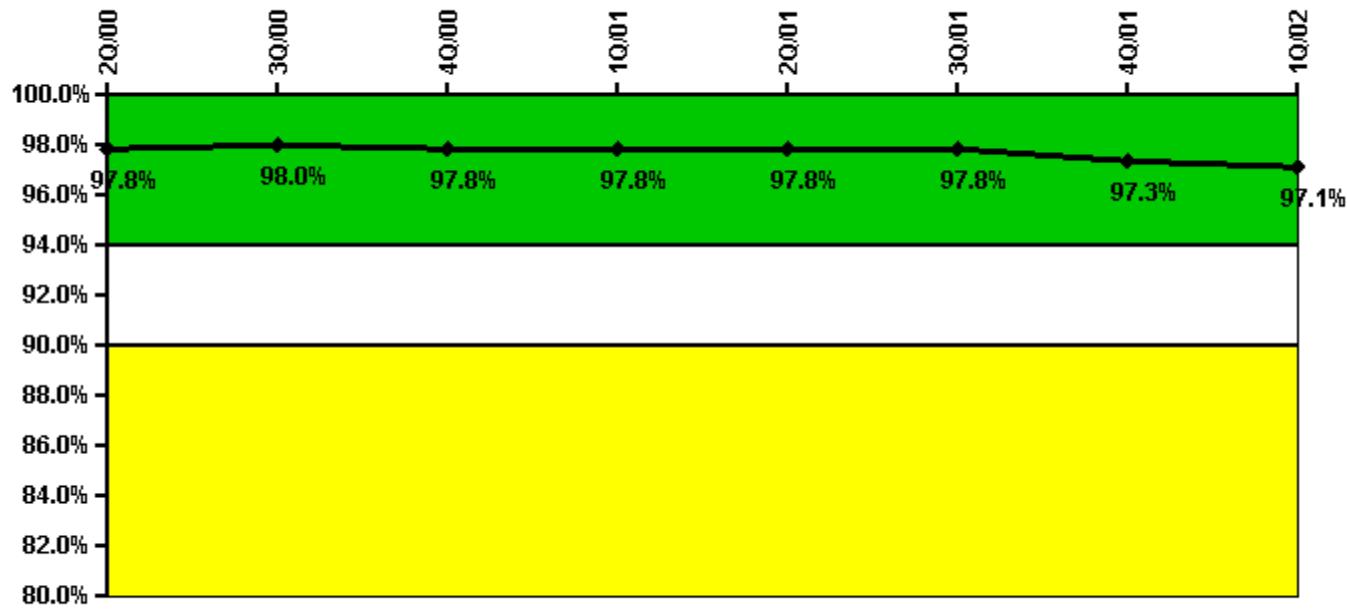


Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Participating Key personnel	88.0	98.0	101.0	107.0	104.0	108.0	120.0	123.0
Total Key personnel	100.0	105.0	111.0	114.0	112.0	111.0	121.0	123.0
Indicator value	88.0%	93.3%	91.0%	93.9%	92.9%	97.3%	99.2%	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	145	144	142	144	145	144	139	143
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	97.8%	98.0%	97.8%	97.8%	97.8%	97.8%	97.3%	97.1%

Licensee Comments: none

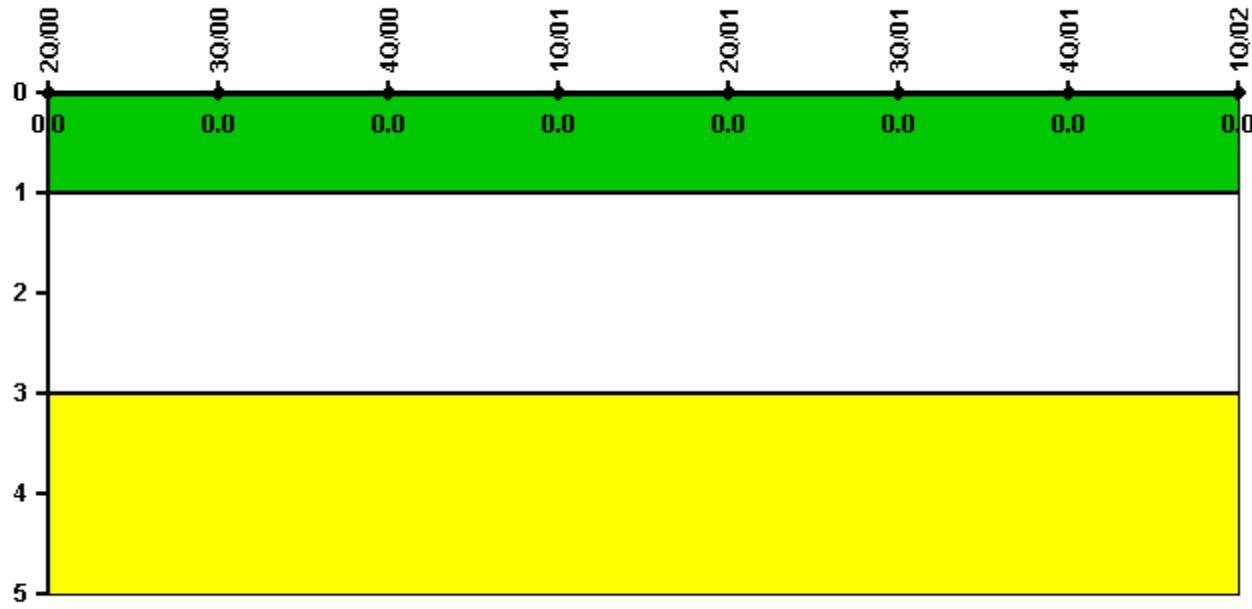
Occupational Exposure Control Effectiveness

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

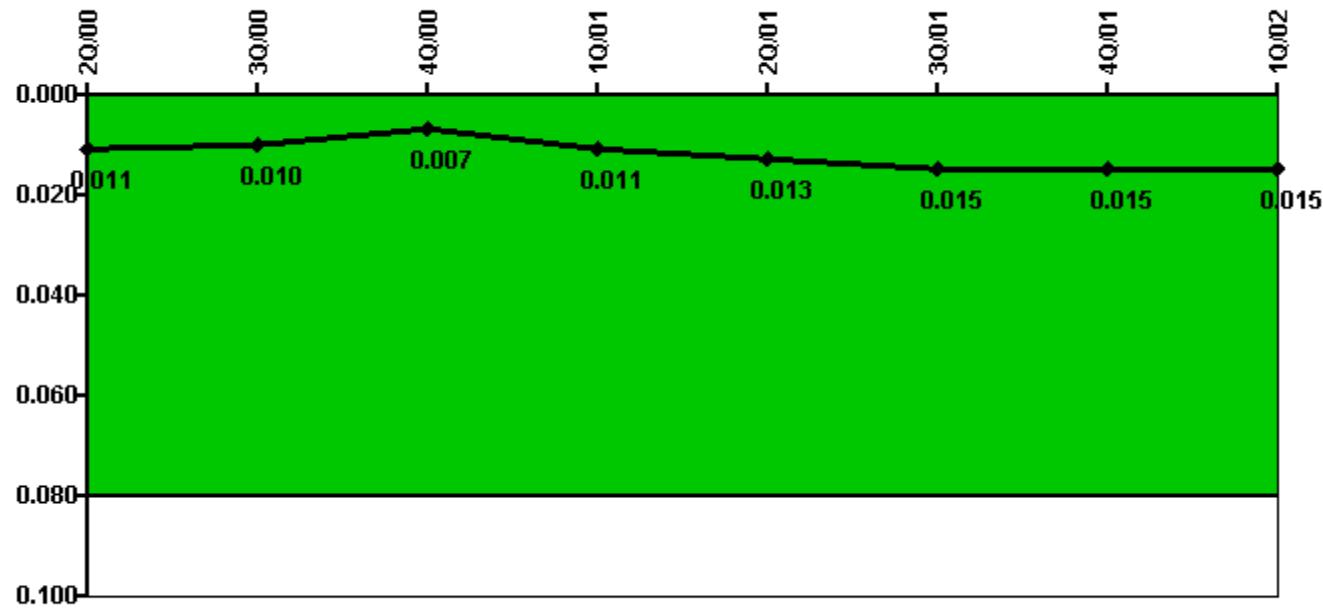
Thresholds: White > 1.0 Yellow > 3.0

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

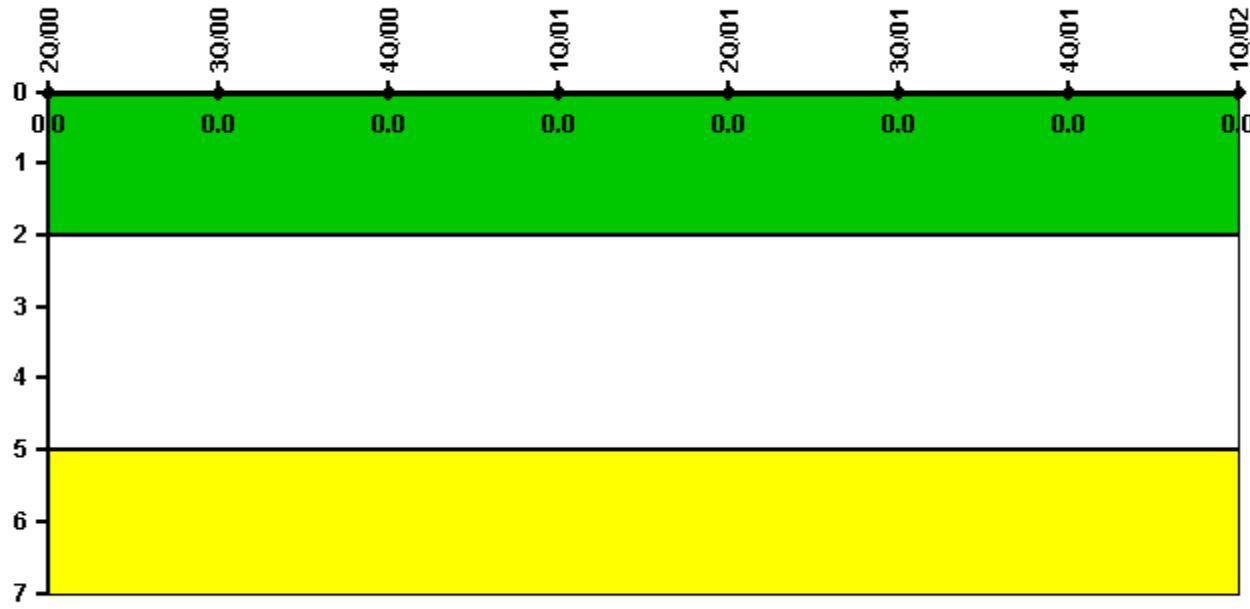


Thresholds: White > 0.080

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	17.90	21.60	39.50	196.90	41.10	115.20	29.40	213.10
CCTV compensatory hours	1.5	27.0	4.5	2.5	19.9	13.7	1.5	0
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	0.011	0.010	0.007	0.011	0.013	0.015	0.015	0.015

Licensee Comments: none

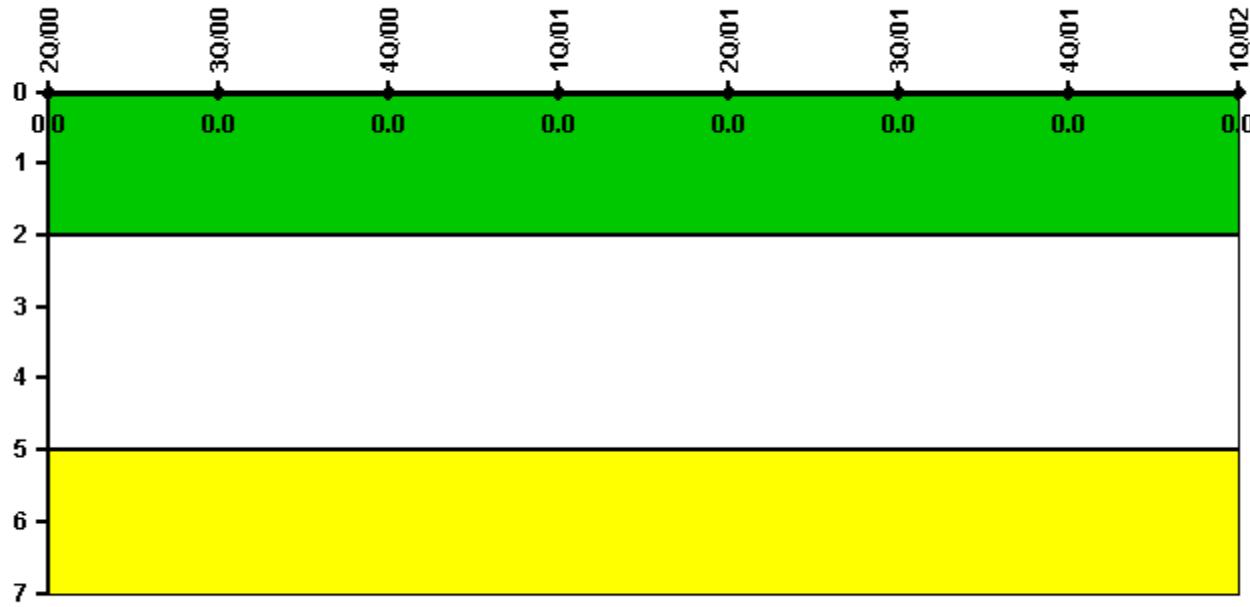
Personnel Screening Program

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



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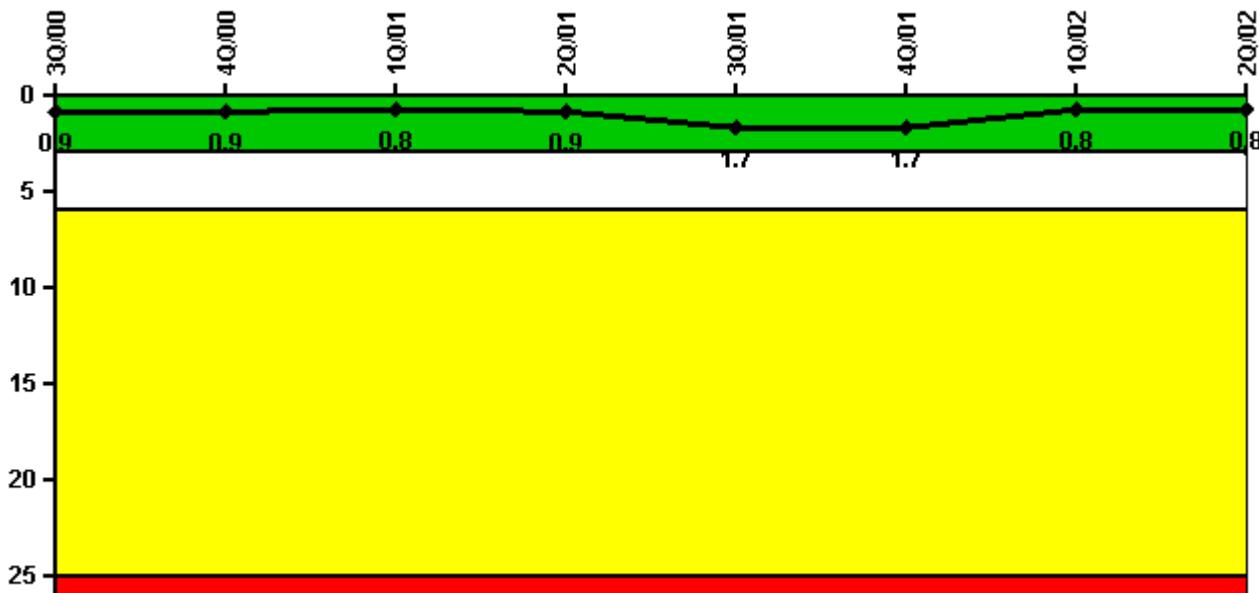
Last Modified: May 1, 2002

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2Q/2002 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

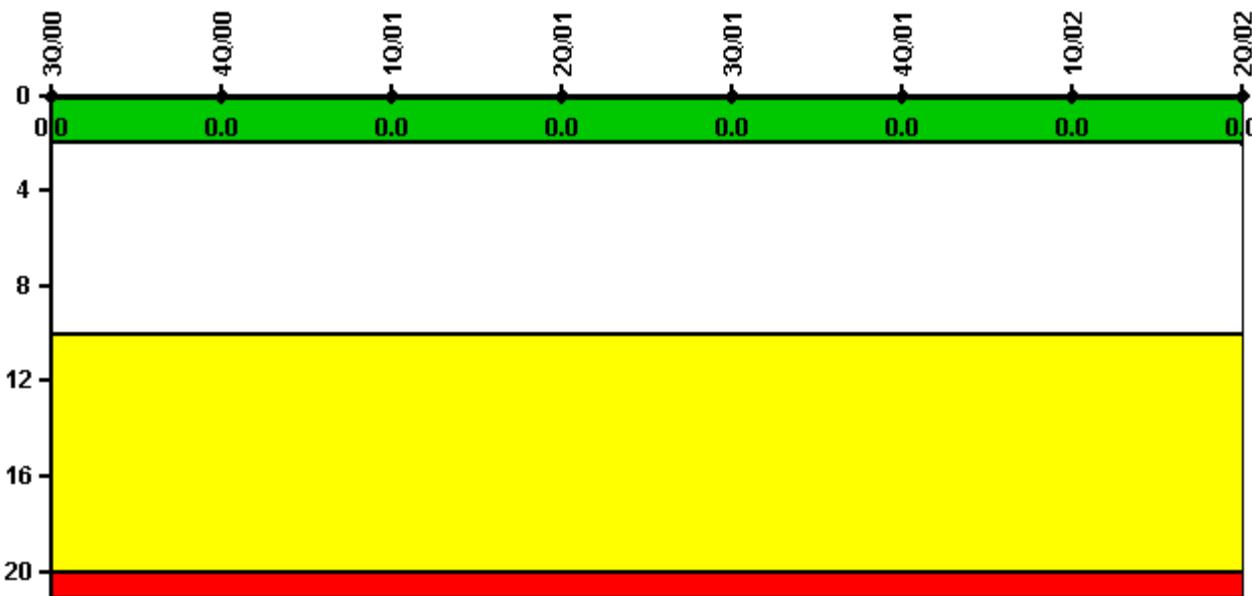


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0
Critical hours	2208.0	2209.0	1766.6	2008.9	2187.3	2209.0	2160.0	2183.0
Indicator value	0.9	0.9	0.8	0.9	1.7	1.7	0.8	0.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

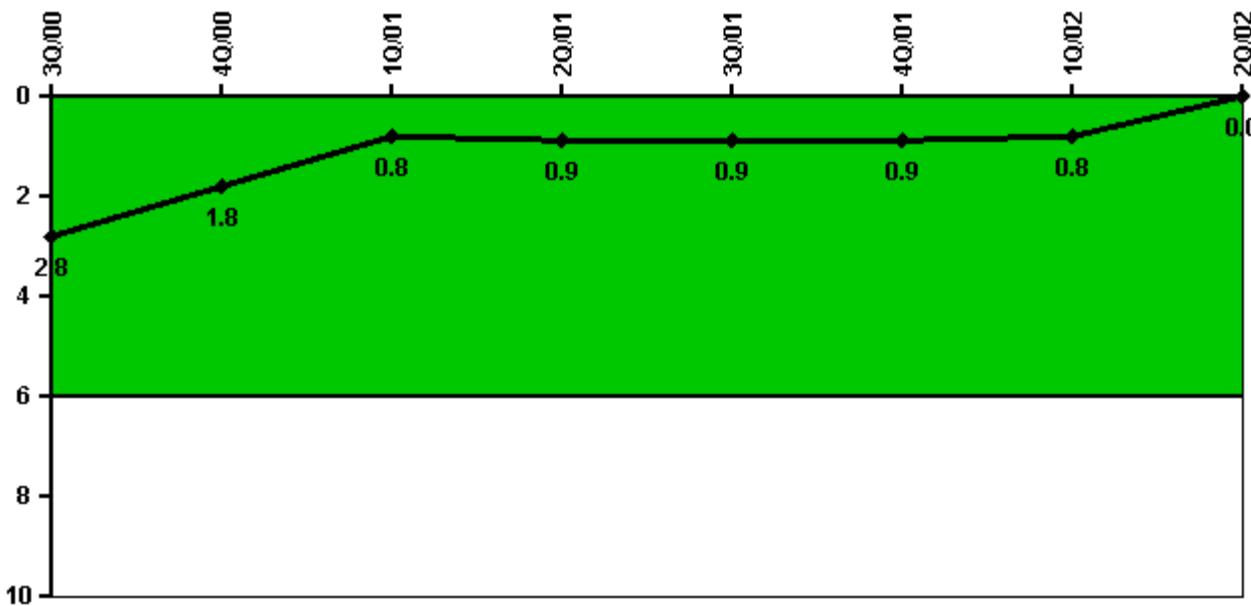
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	3Q/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



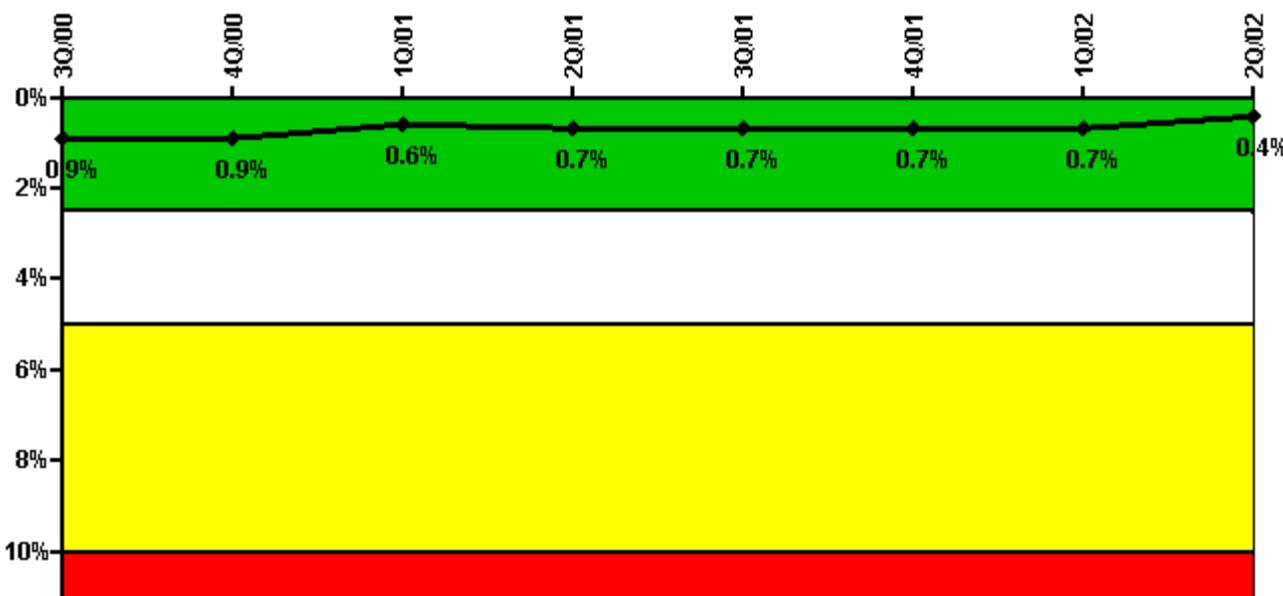
Thresholds: White > 6.0

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	1.0	0	0	0	0
Critical hours	2208.0	2209.0	1766.6	2008.9	2187.3	2209.0	2160.0	2183.0
Indicator value	2.8	1.8	0.8	0.9	0.9	0.9	0.8	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



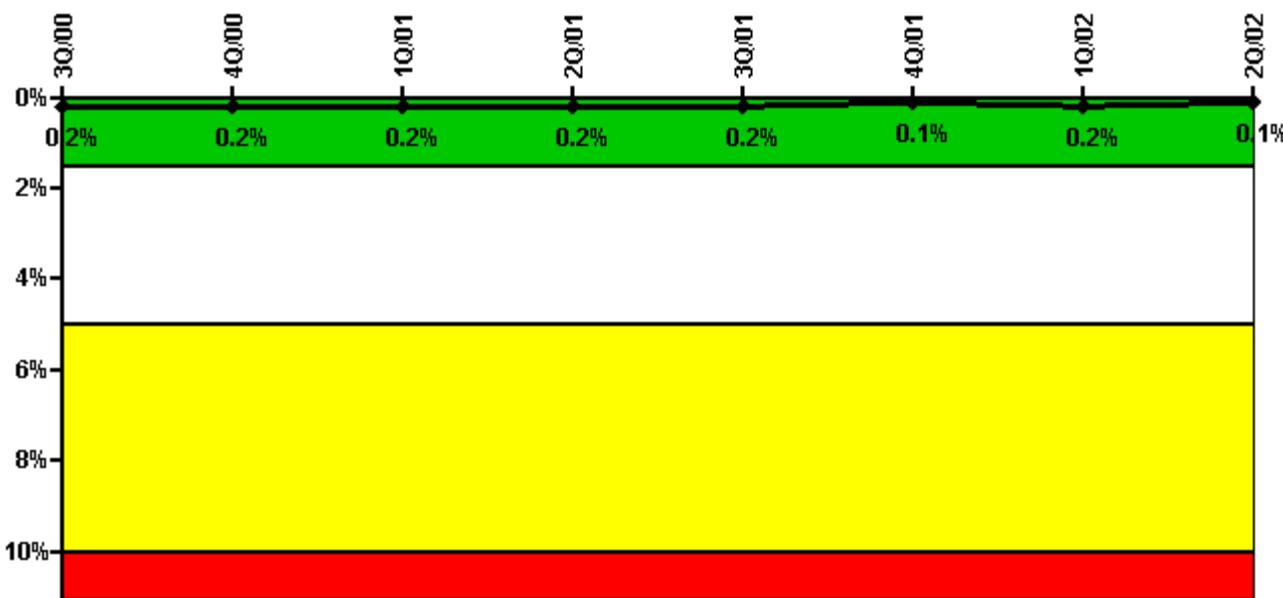
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	0.65	0.58	1.80	0.62	1.03	0.90	0.82	1.02
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	0.83	0.68	1.17	1.02	1.87	0.77	1.17	0.75
Unplanned unavailable hours	0	0	0	3.47	0	0	0	0
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	0.9%	0.9%	0.6%	0.7%	0.7%	0.7%	0.7%	0.4%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



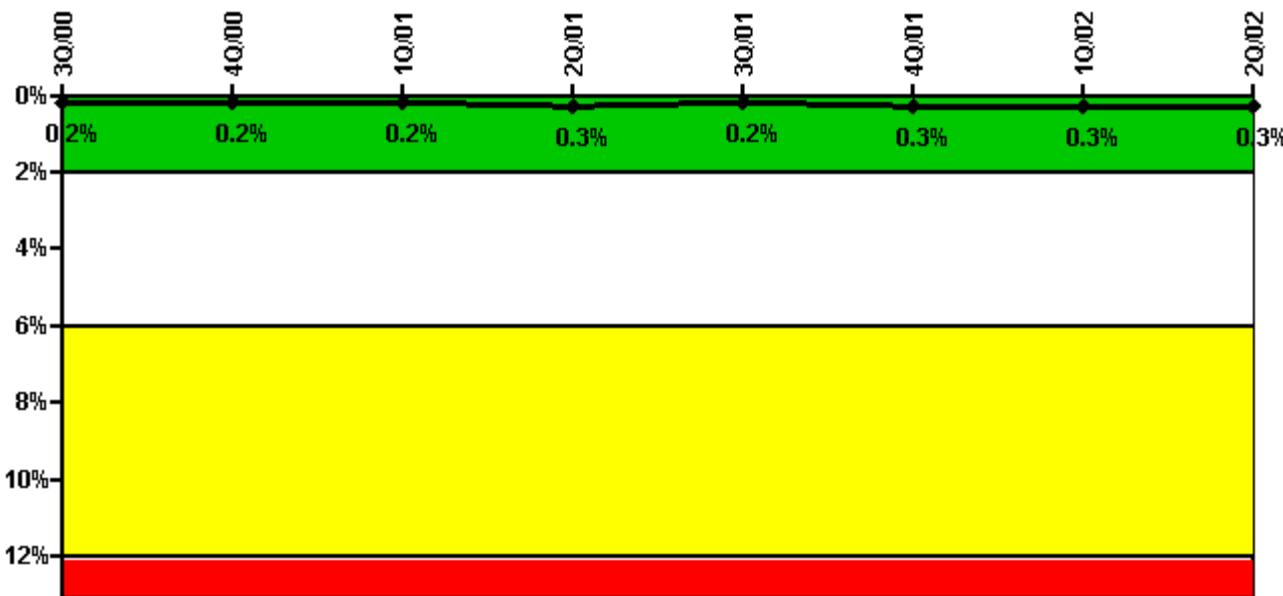
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	13.75	0	0	0	0	7.85	3.55	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	1766.60	2009.00	2187.30	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	10.88	0	3.60	0	0	0	13.30	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	1766.60	2009.00	2187.30	2209.00	2160.00	2183.00
Indicator value	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%	0.2%	0.1%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



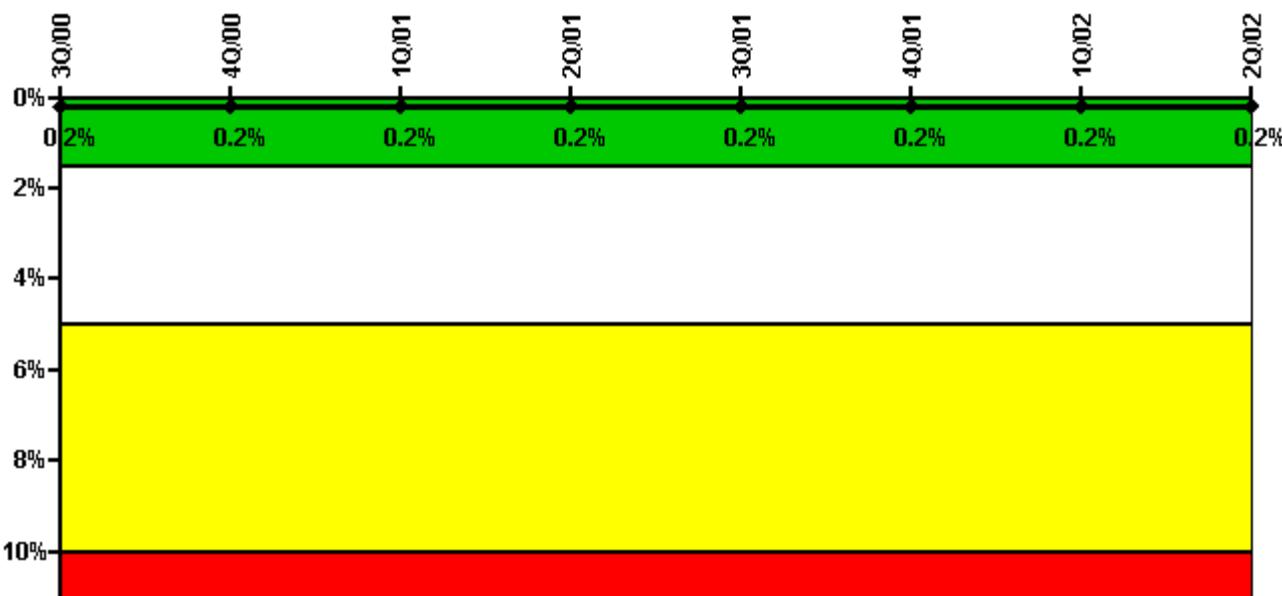
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	0.20	0	0	0	0	15.20	0	0
Unplanned unavailable hours	0	0	2.30	19.80	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	1818.10	2032.30	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	11.20	0	7.20	0	0	9.15	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	1821.30	2039.30	2208.00	2209.00	2160.00	2183.00
Indicator value	0.2%	0.2%	0.2%	0.3%	0.2%	0.3%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

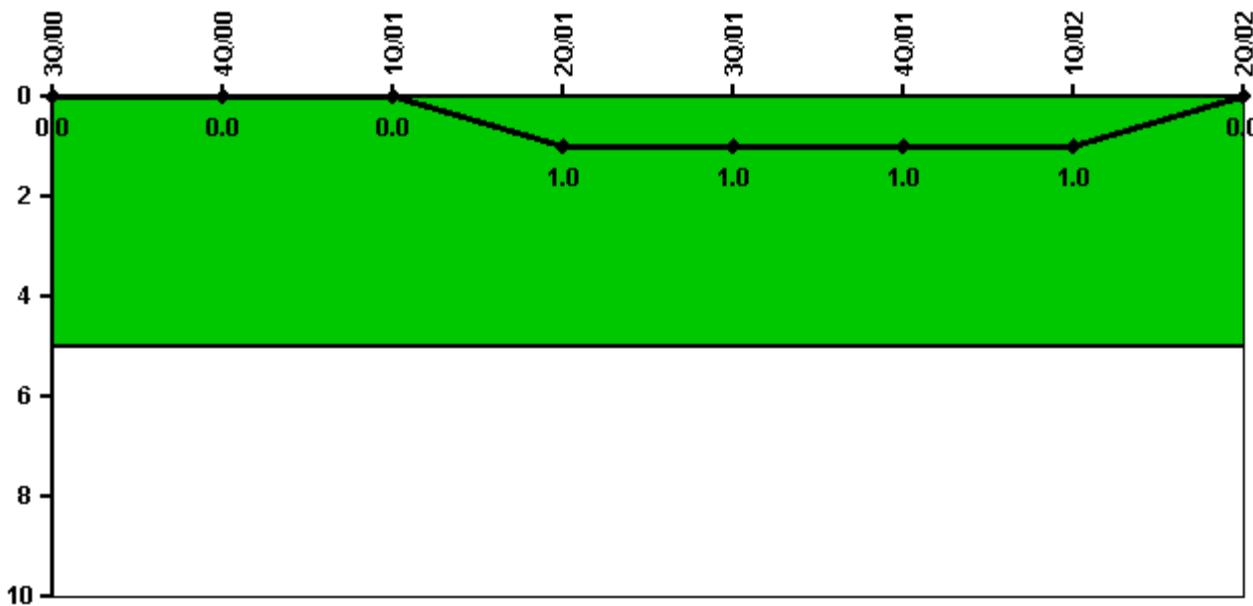


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	0	1.83	0	0	0	10.60	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	18.60	2.20	0	0	0	0	15.10	0
Unplanned unavailable hours	0	0	28.25	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	0.2%							

Licensee Comments: none

Safety System Functional Failures (PWR)

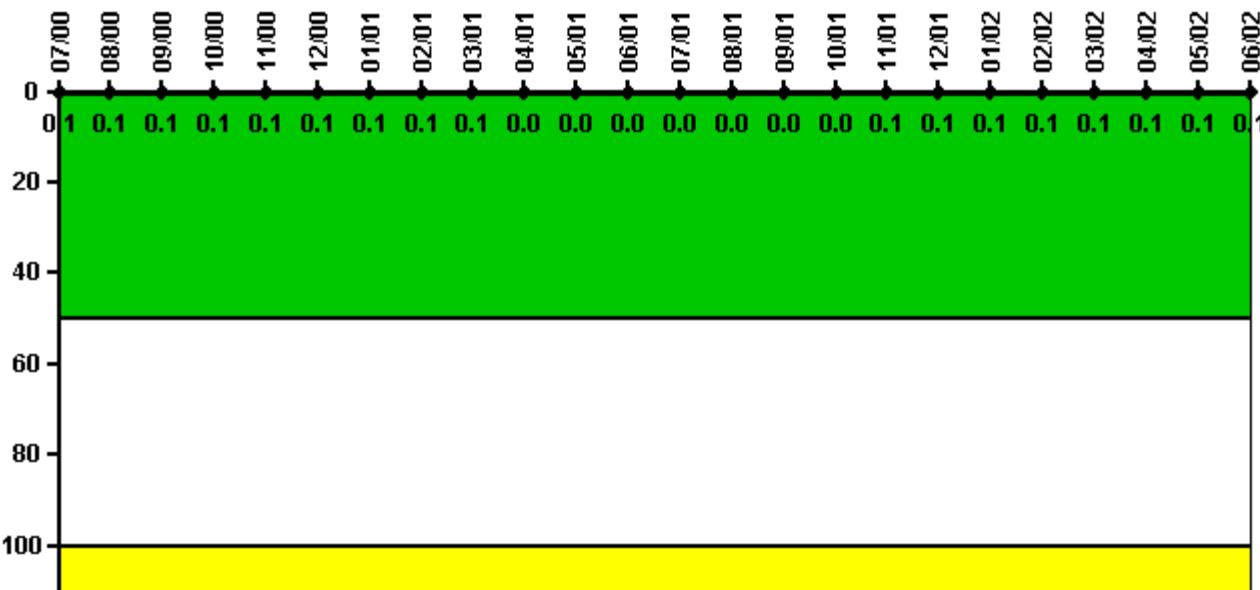
Thresholds: White > 5.0

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	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

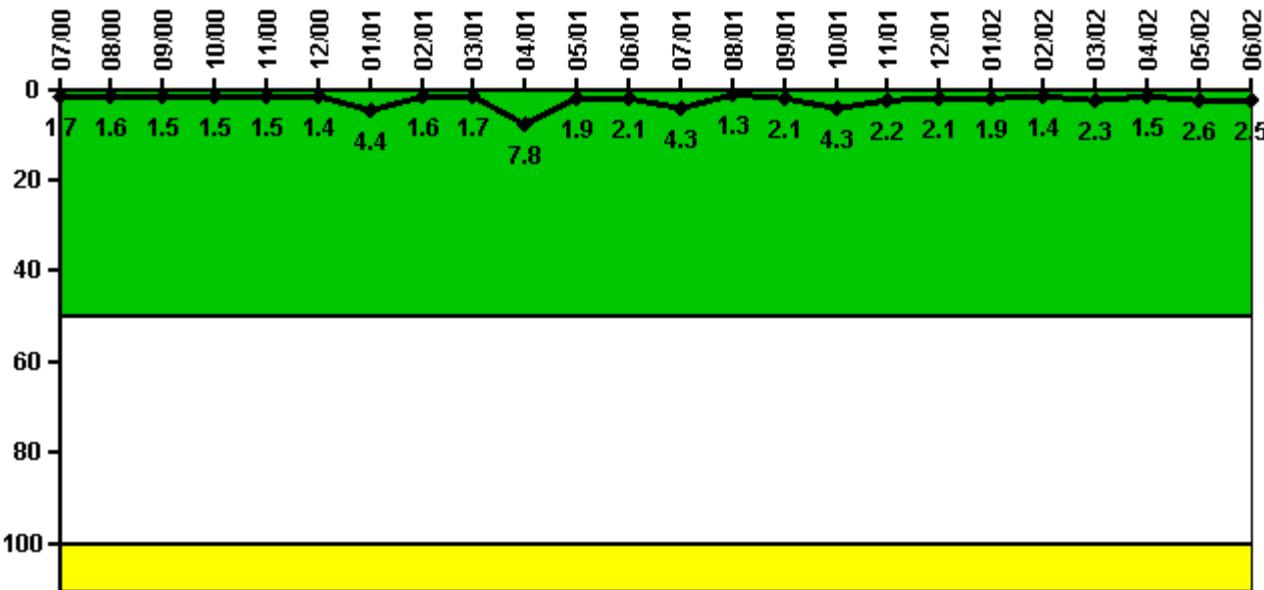
Notes

Reactor Coolant System Activity	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	0.002420	0.002610	0.002780	0.002720	0.002840	0.003020	0.003100	0.003170	0.003710	0.001340	0.001310	0.001430
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0

Reactor Coolant System Activity	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum activity	0.001450	0.001530	0.001570	0.001690	0.001770	0.001850	0.001870	0.001910	0.002070	0.002140	0.002220	0.002200
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage

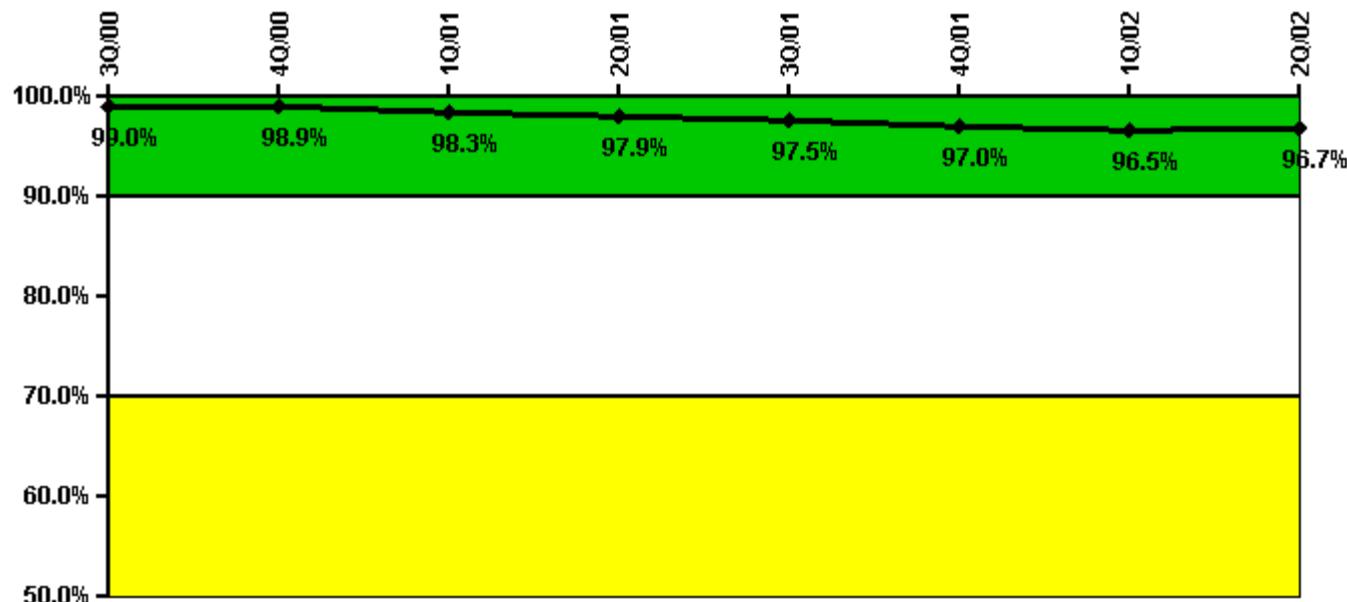


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	0.167	0.158	0.149	0.153	0.145	0.141	0.438	0.161	0.165	0.783	0.188	0.207
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	1.7	1.6	1.5	1.5	1.5	1.4	4.4	1.6	1.7	7.8	1.9	2.1
Reactor Coolant System Leakage	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02
Maximum leakage	0.431	0.130	0.208	0.425	0.220	0.210	0.193	0.136	0.229	0.148	0.259	0.253
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	4.3	1.3	2.1	4.3	2.2	2.1	1.9	1.4	2.3	1.5	2.6	2.5

Licensee Comments: none

Drill/Exercise Performance

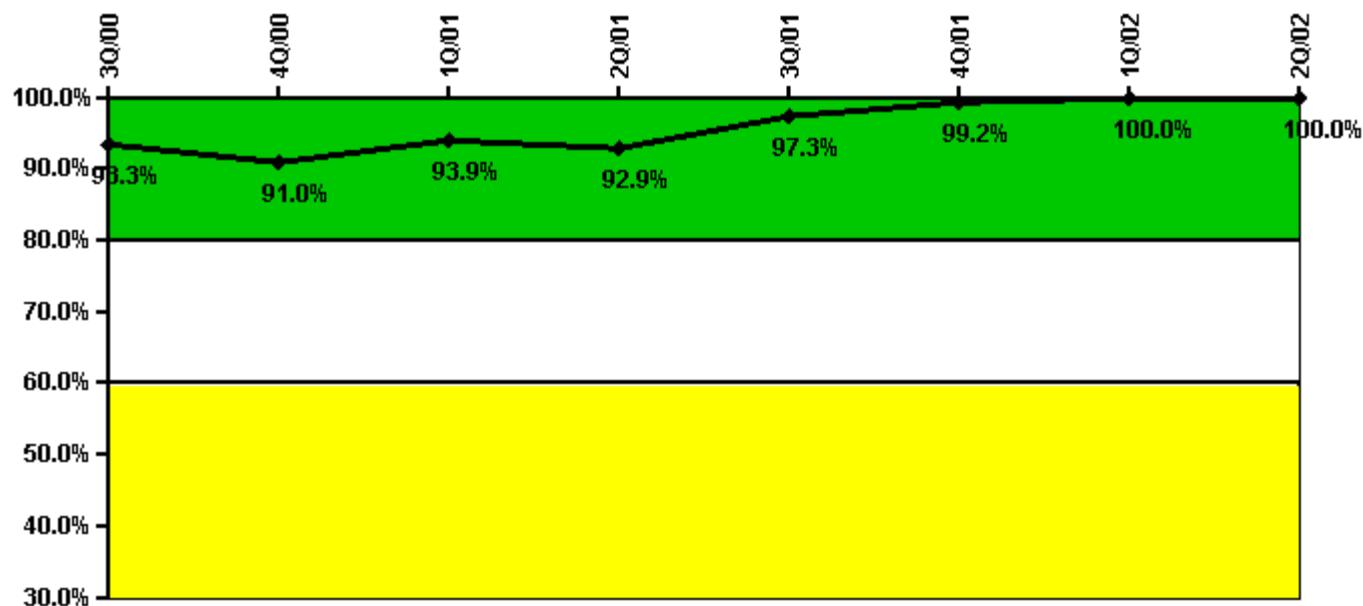
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Successful opportunities	55.0	16.0	37.0	69.0	161.0	60.0	71.0	60.0
Total opportunities	56.0	16.0	40.0	72.0	165.0	64.0	73.0	61.0
Indicator value	99.0%	98.9%	98.3%	97.9%	97.5%	97.0%	96.5%	96.7%

Licensee Comments: none

ERO Drill Participation

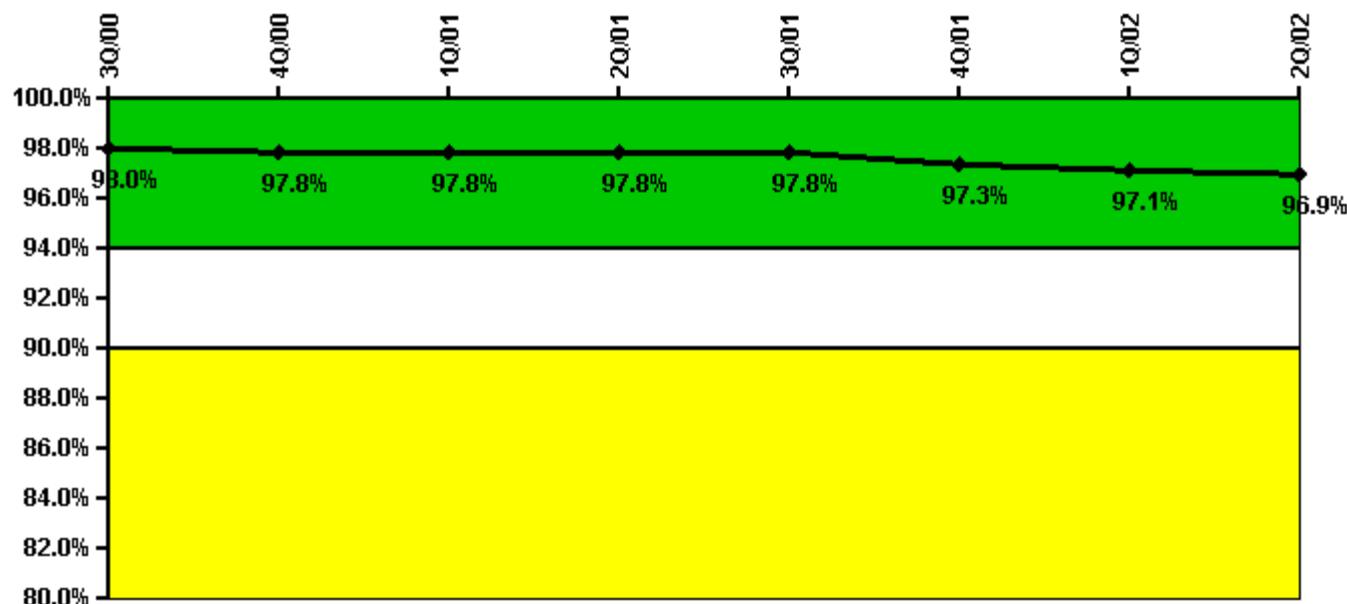


Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Participating Key personnel	98.0	101.0	107.0	104.0	108.0	120.0	123.0	125.0
Total Key personnel	105.0	111.0	114.0	112.0	111.0	121.0	123.0	125.0
Indicator value	93.3%	91.0%	93.9%	92.9%	97.3%	99.2%	100.0%	100.0%

Licensee Comments: none

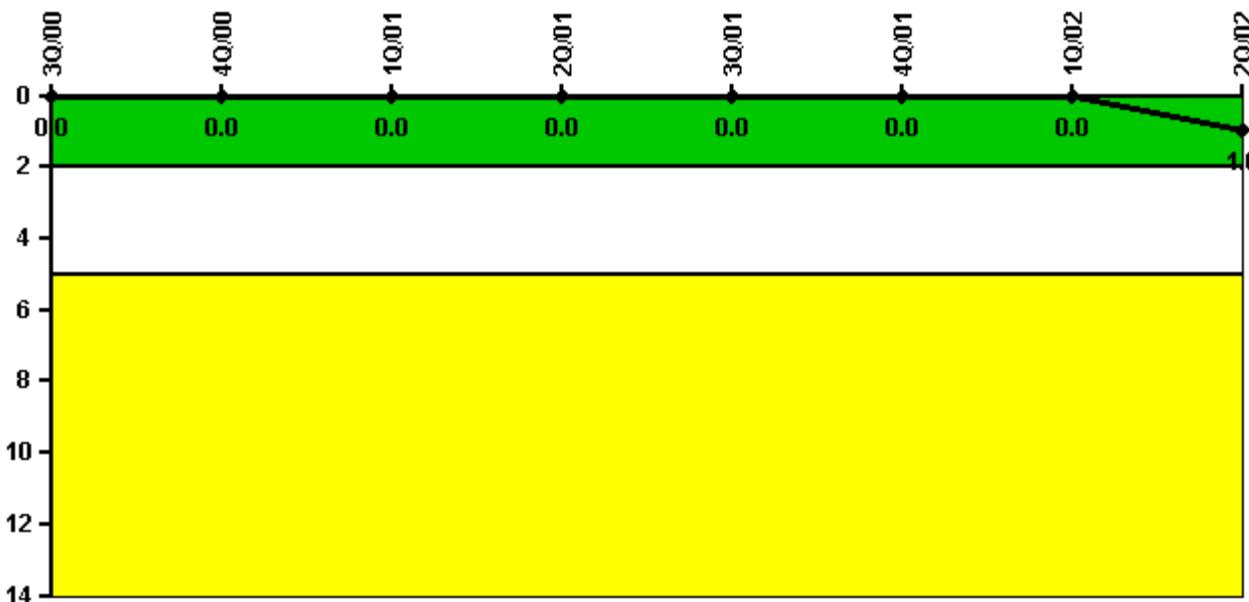
Alert & Notification System

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	144	142	144	145	144	139	143	144
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	98.0%	97.8%	97.8%	97.8%	97.8%	97.3%	97.1%	96.9%

Licensee Comments: none

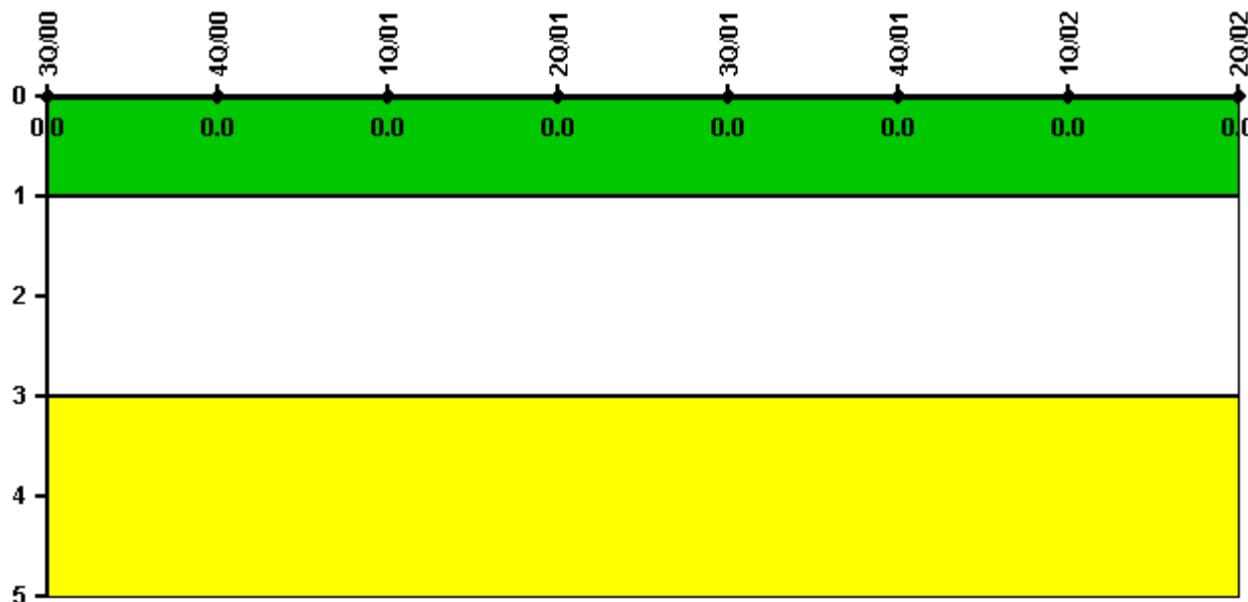
Occupational Exposure Control Effectiveness

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

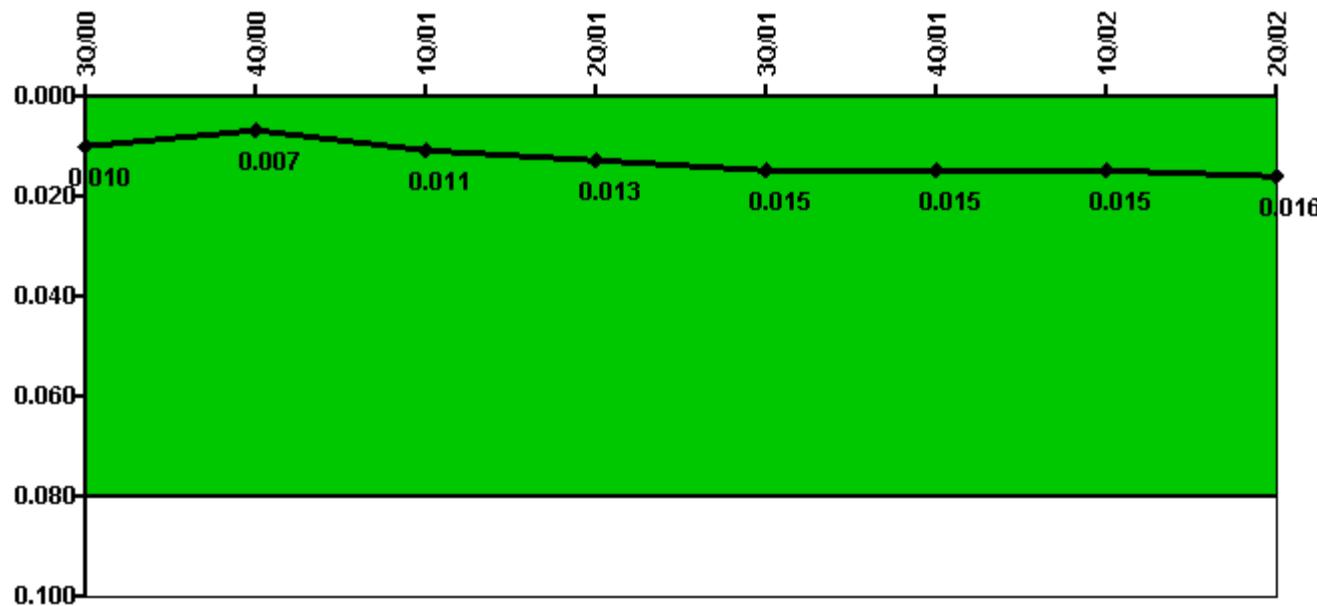
Thresholds: White > 1.0 Yellow > 3.0

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

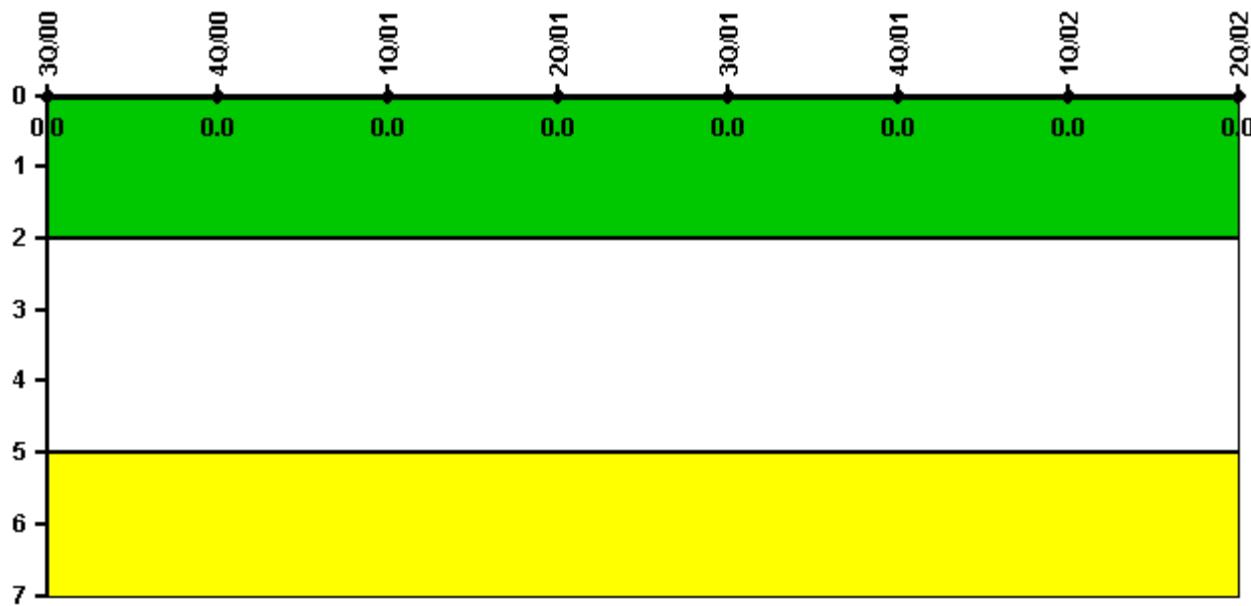


Thresholds: White > 0.080

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	21.60	39.50	196.90	41.10	115.20	29.40	213.10	91.20
CCTV compensatory hours	27.0	4.5	2.5	19.9	13.7	1.5	0	2.6
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	0.010	0.007	0.011	0.013	0.015	0.015	0.015	0.016

Licensee Comments: none

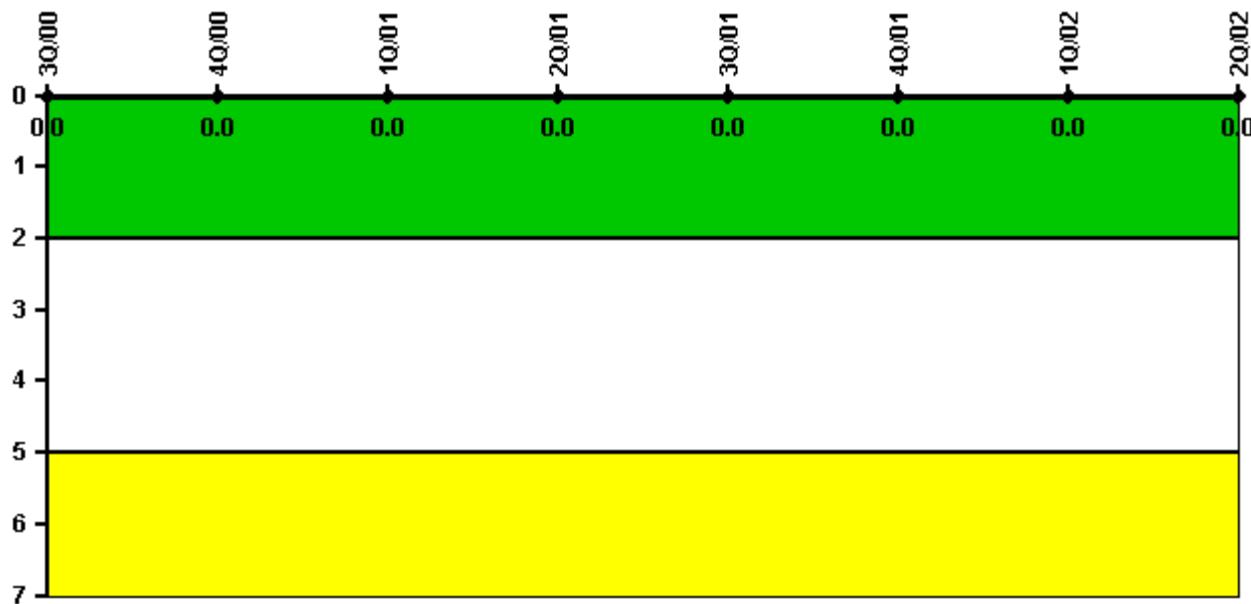
Personnel Screening Program

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



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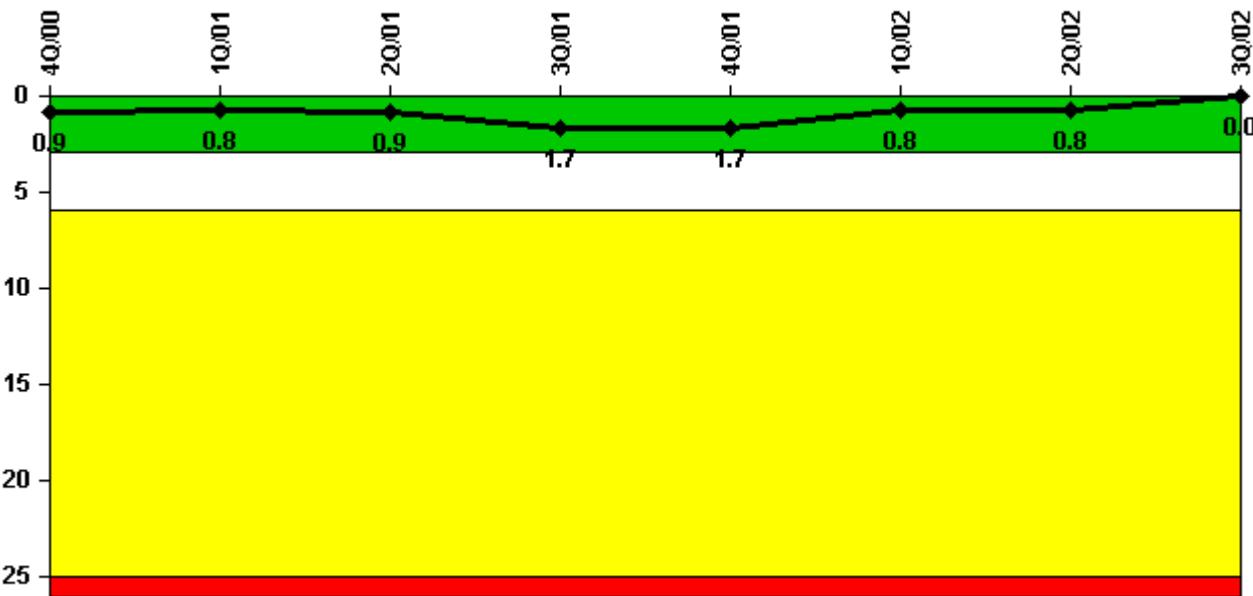
Last Modified: July 31, 2002

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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	1.0	0	0	0	0
Critical hours	2209.0	1766.6	2008.9	2187.3	2209.0	2160.0	2183.0	2208.0
Indicator value	0.9	0.8	0.9	1.7	1.7	0.8	0.8	0

Licensee Comments: none

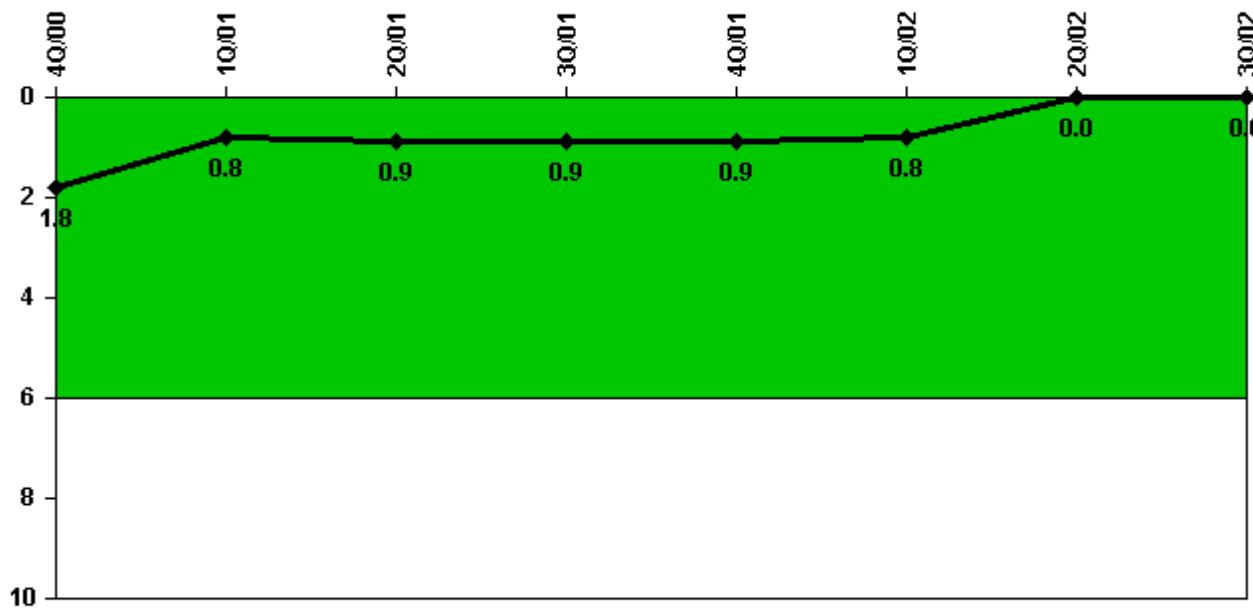
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

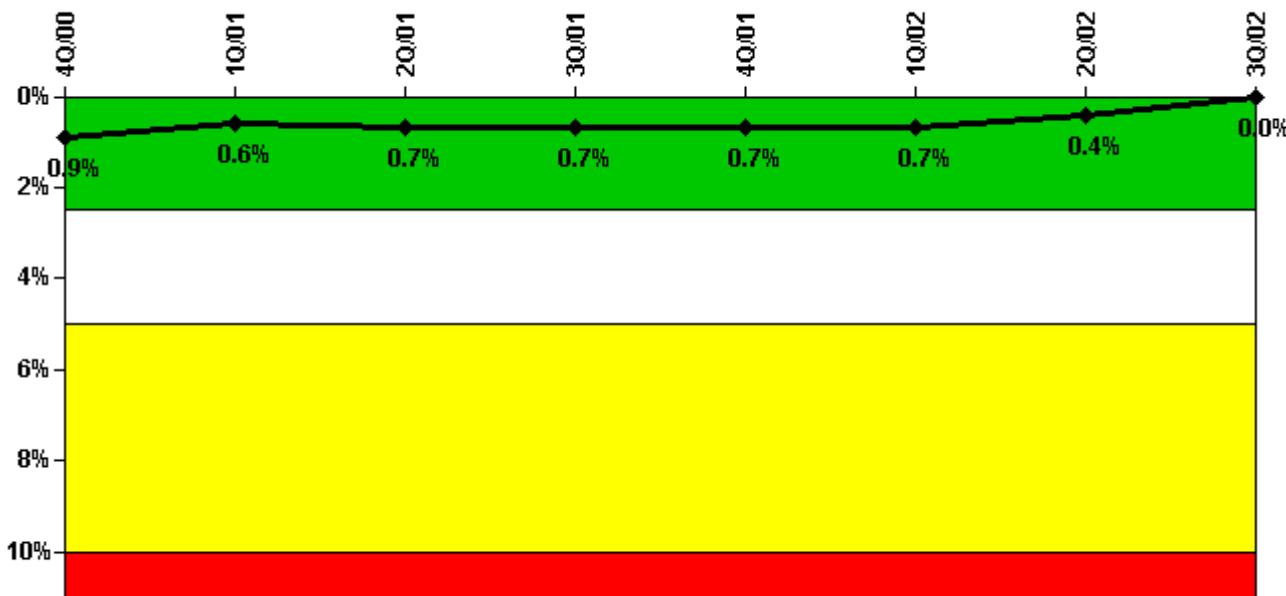
Thresholds: White > 6.0

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	1.0	0	0	0	0	0
Critical hours	2209.0	1766.6	2008.9	2187.3	2209.0	2160.0	2183.0	2208.0
Indicator value	1.8	0.8	0.9	0.9	0.9	0.8	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



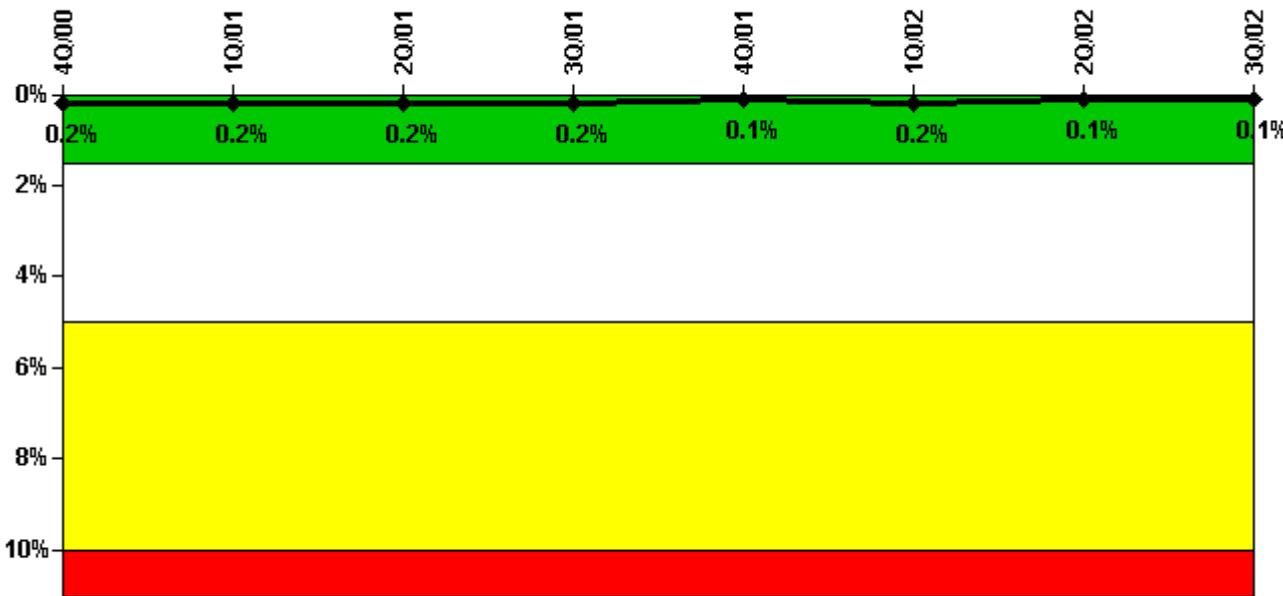
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	0.58	1.80	0.62	1.03	0.90	0.82	1.02	0.62
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	0.68	1.17	1.02	1.87	0.77	1.17	0.75	0.97
Unplanned unavailable hours	0	0	3.47	0	0	0	0	0
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%	0.6%	0.7%	0.7%	0.7%	0.7%	0.4%	0%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



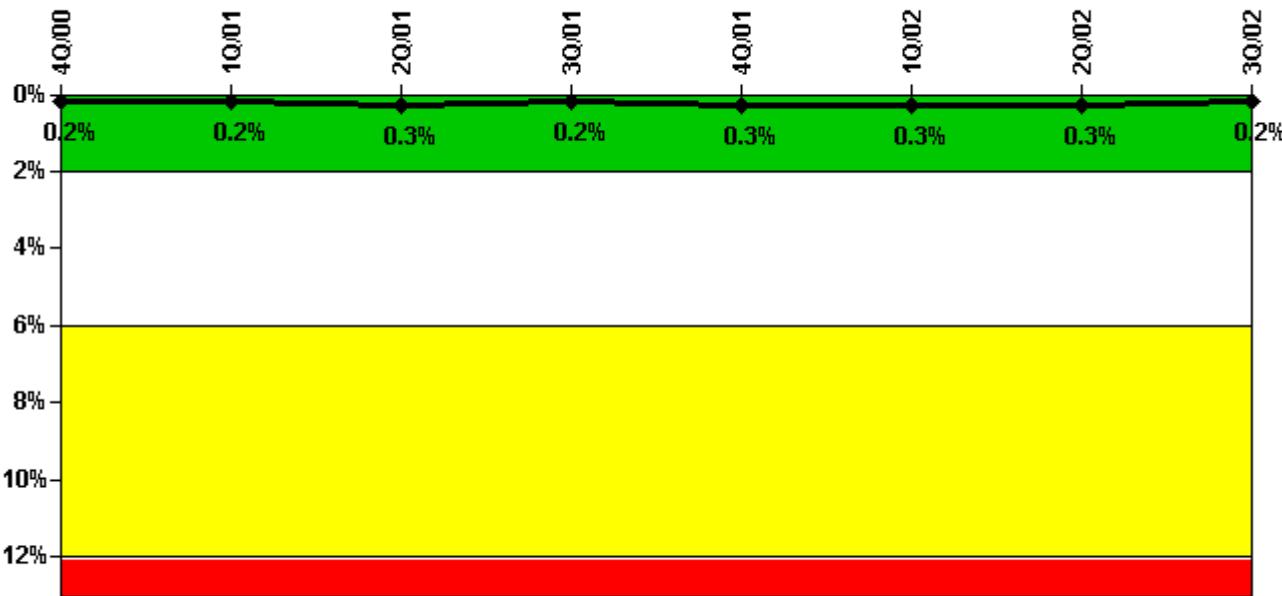
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	0	0	0	0	7.85	3.55	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1766.60	2009.00	2187.30	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0	3.60	0	0	0	13.30	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1766.60	2009.00	2187.30	2209.00	2160.00	2183.00	2208.00
Indicator value	0.2%	0.2%	0.2%	0.2%	0.1%	0.2%	0.1%	0.1%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



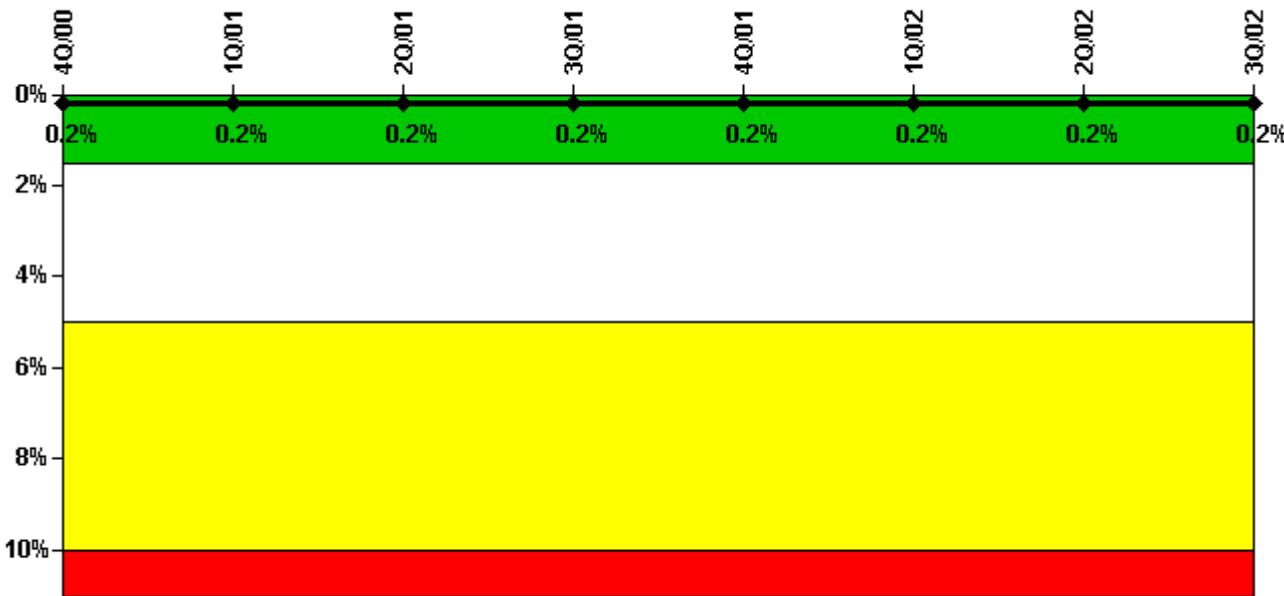
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	0	0	0	0	15.20	0	0	0
Unplanned unavailable hours	0	2.30	19.80	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1818.10	2032.30	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0	7.20	0	0	9.15	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	1821.30	2039.30	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	0.2%	0.2%	0.3%	0.2%	0.3%	0.3%	0.3%	0.2%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

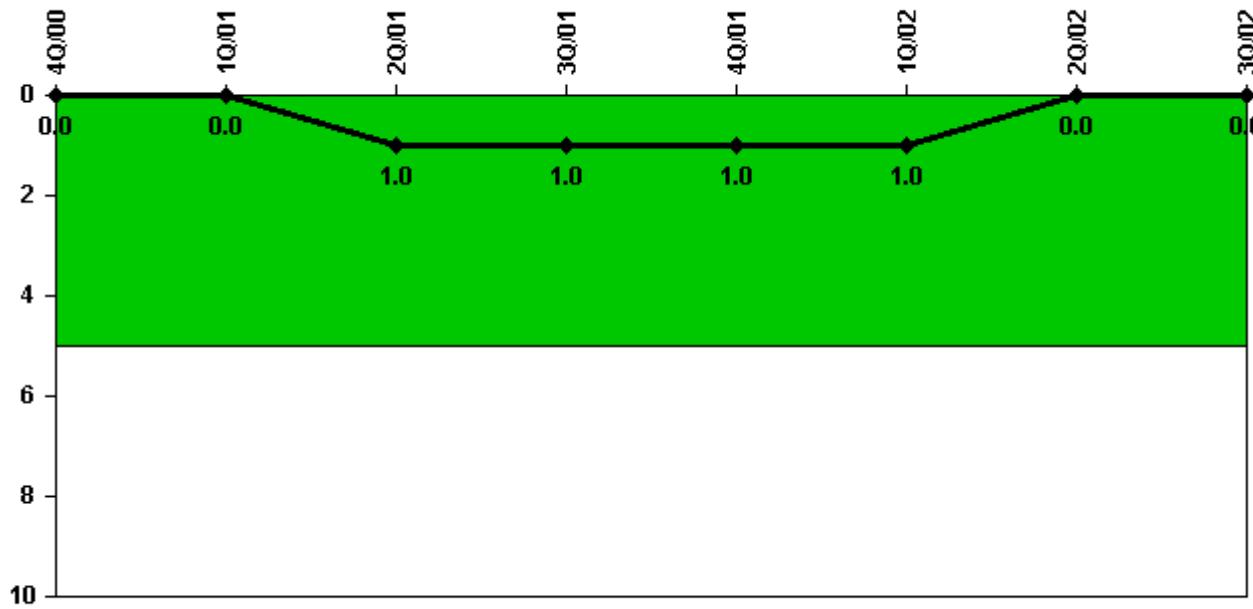


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	1.83	0	0	0	10.60	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	2.20	0	0	0	0	15.10	0	0
Unplanned unavailable hours	0	28.25	0	0	0	0	0	0
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	0.2%							

Licensee Comments: none

Safety System Functional Failures (PWR)

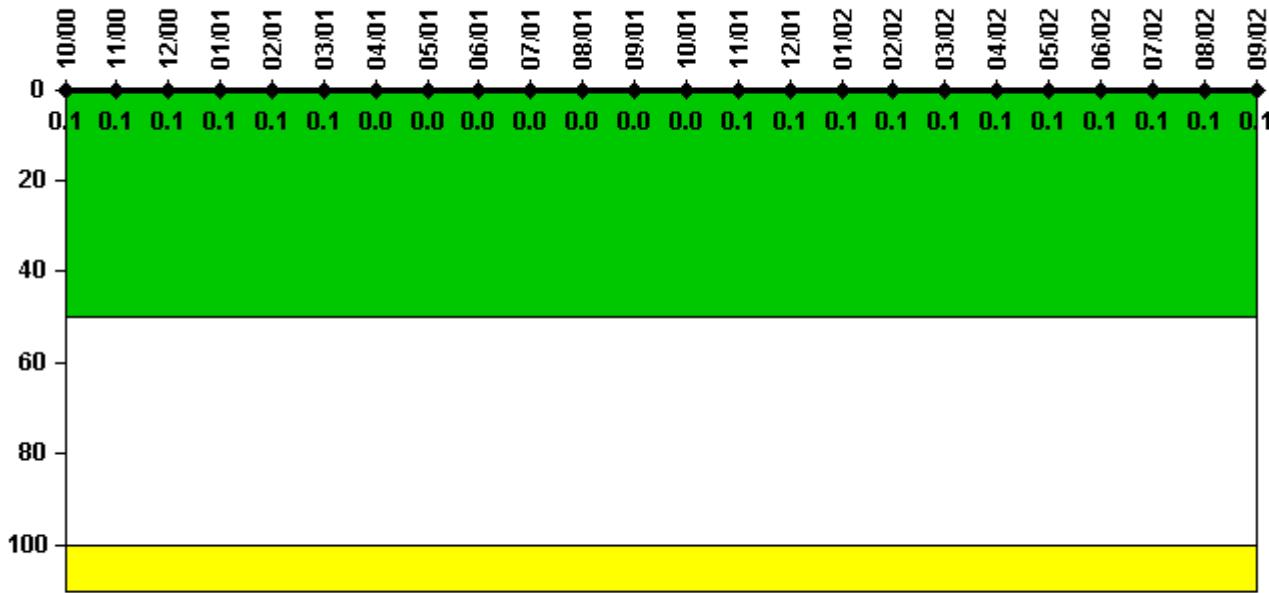
Thresholds: White > 5.0

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	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



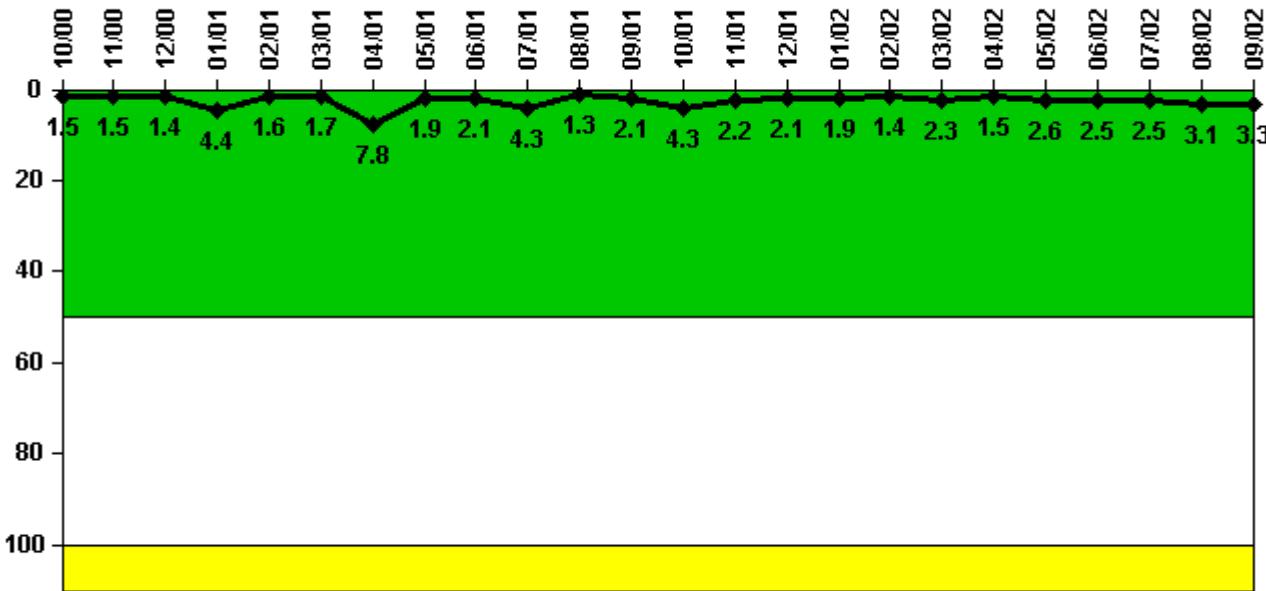
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.002720	0.002840	0.003020	0.003100	0.003170	0.003710	0.001340	0.001310	0.001430	0.001450	0.001530	0.001570
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0
Reactor Coolant System Activity	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum activity	0.001690	0.001770	0.001850	0.001870	0.001910	0.002070	0.002140	0.002220	0.002200	0.002210	0.002340	0.002340
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	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

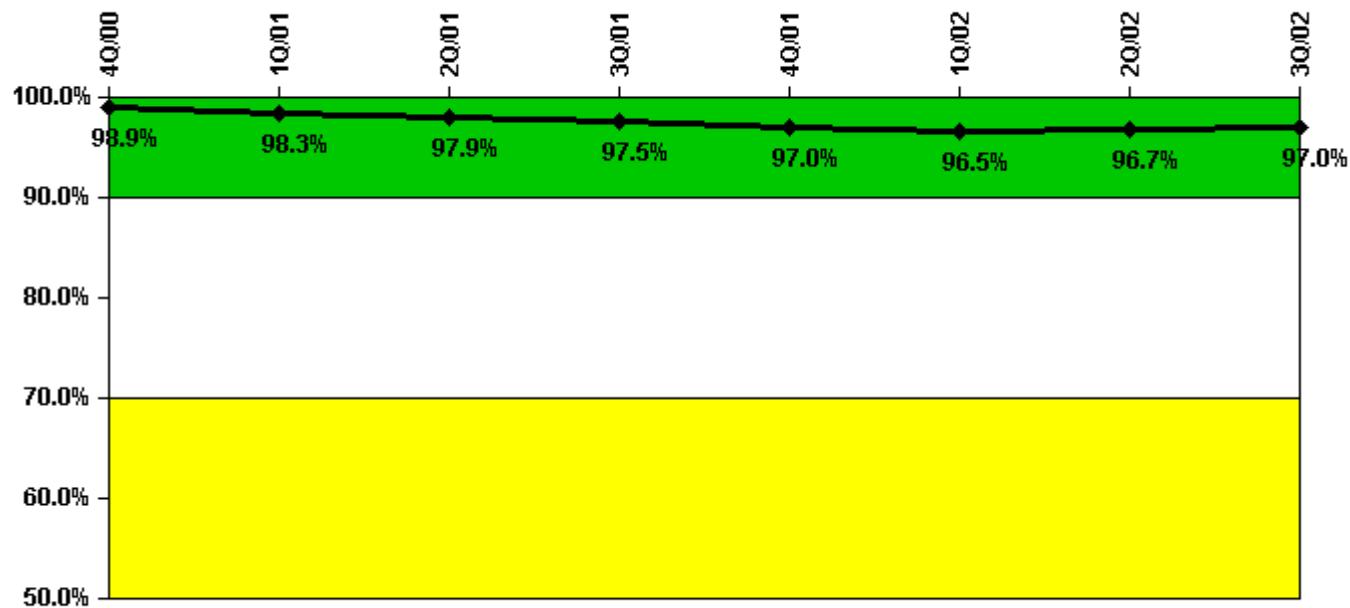


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	0.153	0.145	0.141	0.438	0.161	0.165	0.783	0.188	0.207	0.431	0.130	0.208
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	1.5	1.4	4.4	1.6	1.7	7.8	1.9	2.1	4.3	1.3	2.1
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	0.425	0.220	0.210	0.193	0.136	0.229	0.148	0.259	0.253	0.248	0.311	0.331
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	4.3	2.2	2.1	1.9	1.4	2.3	1.5	2.6	2.5	2.5	3.1	3.3

Licensee Comments: none

Drill/Exercise Performance

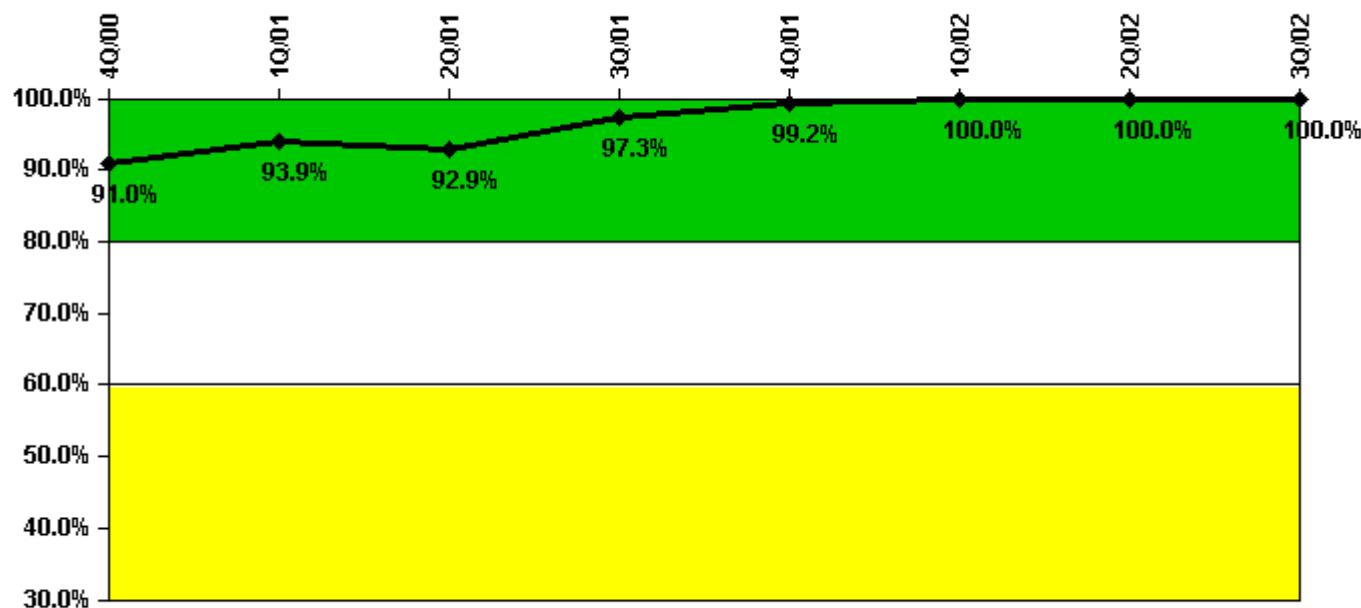
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful opportunities	16.0	37.0	69.0	161.0	60.0	71.0	60.0	69.0
Total opportunities	16.0	40.0	72.0	165.0	64.0	73.0	61.0	69.0
Indicator value	98.9%	98.3%	97.9%	97.5%	97.0%	96.5%	96.7%	97.0%

Licensee Comments: none

ERO Drill Participation



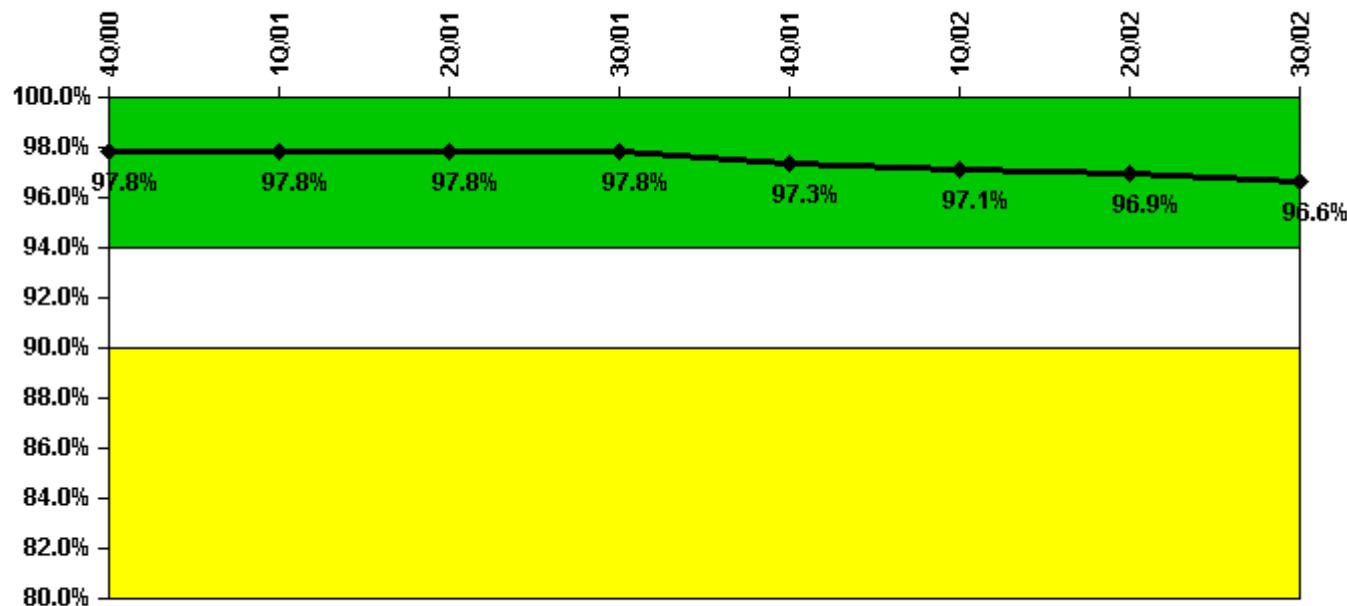
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Participating Key personnel	101.0	107.0	104.0	108.0	120.0	123.0	125.0	129.0
Total Key personnel	111.0	114.0	112.0	111.0	121.0	123.0	125.0	129.0
Indicator value	91.0%	93.9%	92.9%	97.3%	99.2%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System

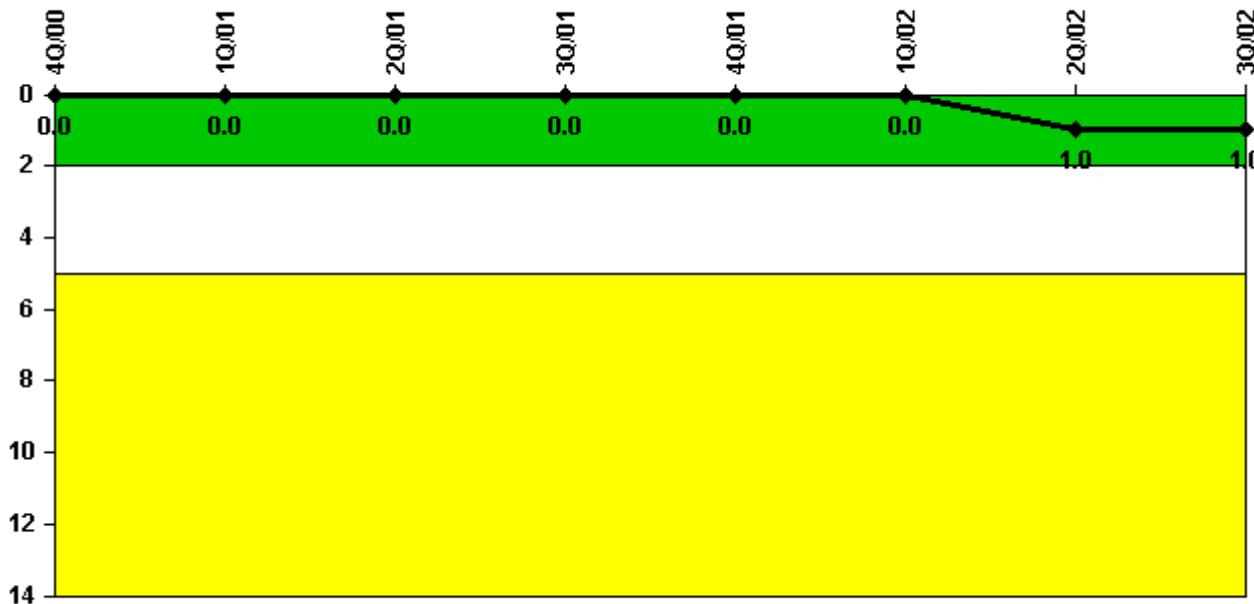


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Successful siren-tests	142	144	145	144	139	143	144	142
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	97.8%	97.8%	97.8%	97.8%	97.3%	97.1%	96.9%	96.6%

Licensee Comments: none

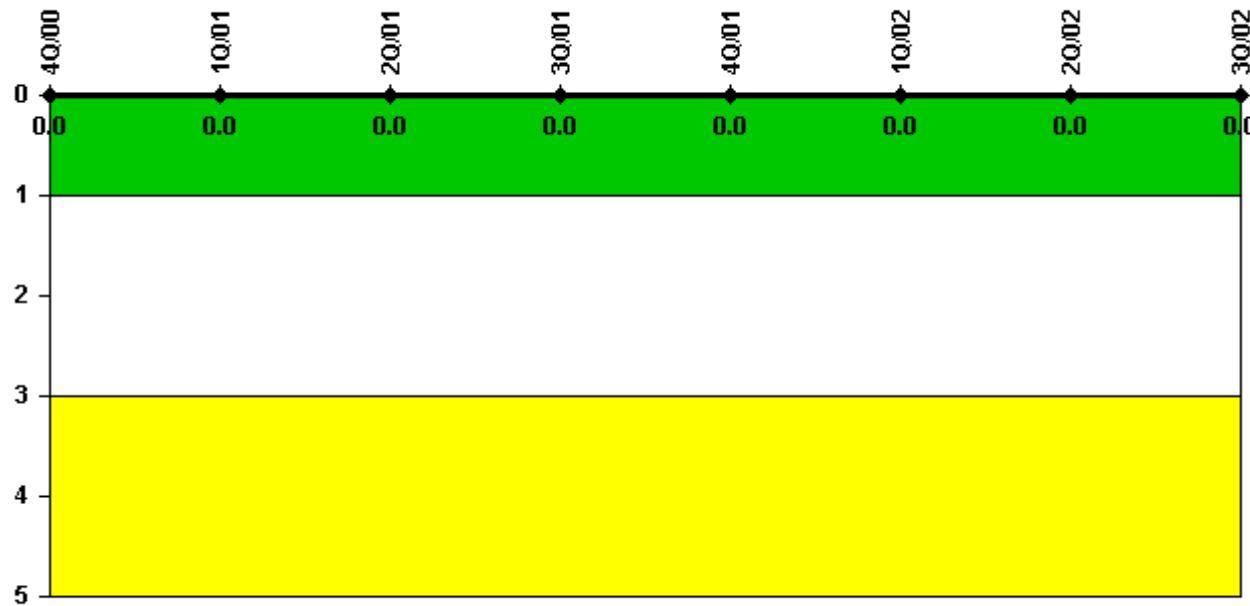
Occupational Exposure Control Effectiveness

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

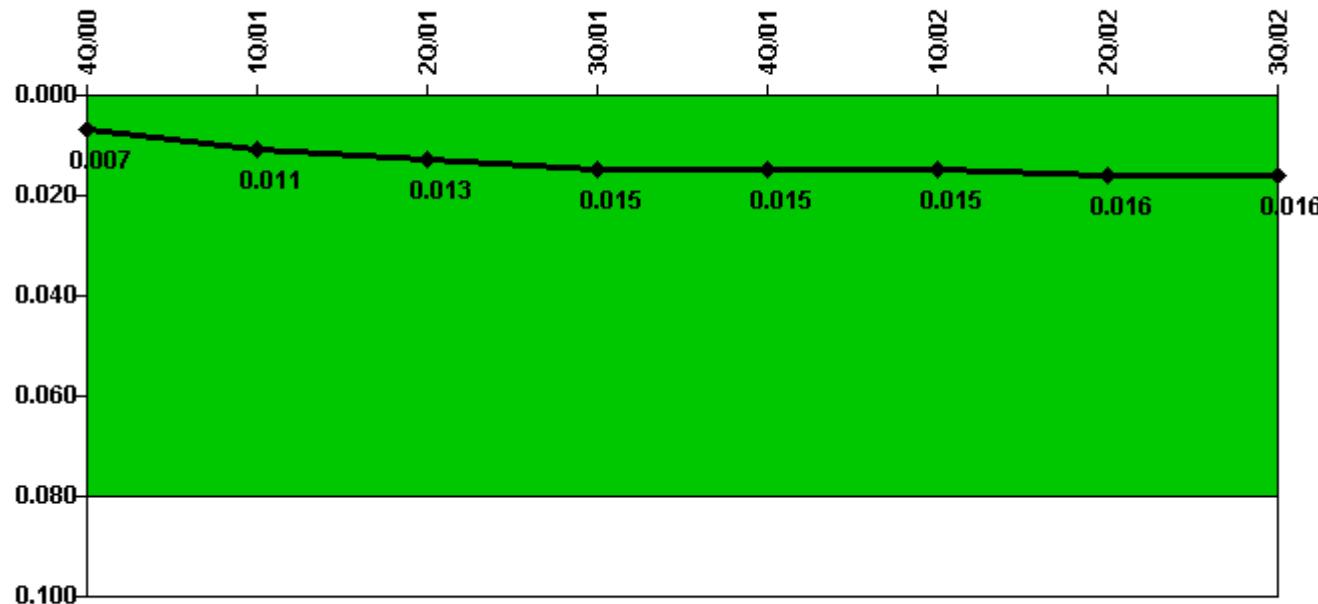
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/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

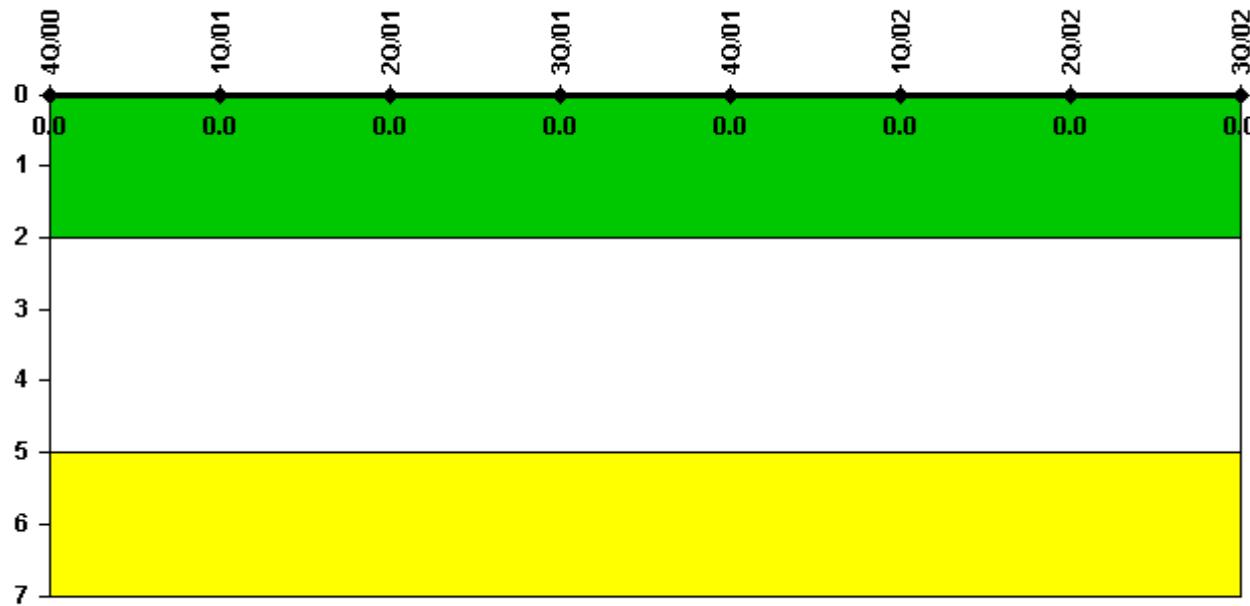


Thresholds: White > 0.080

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	39.50	196.90	41.10	115.20	29.40	213.10	91.20	107.20
CCTV compensatory hours	4.5	2.5	19.9	13.7	1.5	0	2.6	14.1
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	0.007	0.011	0.013	0.015	0.015	0.015	0.016	0.016

Licensee Comments: none

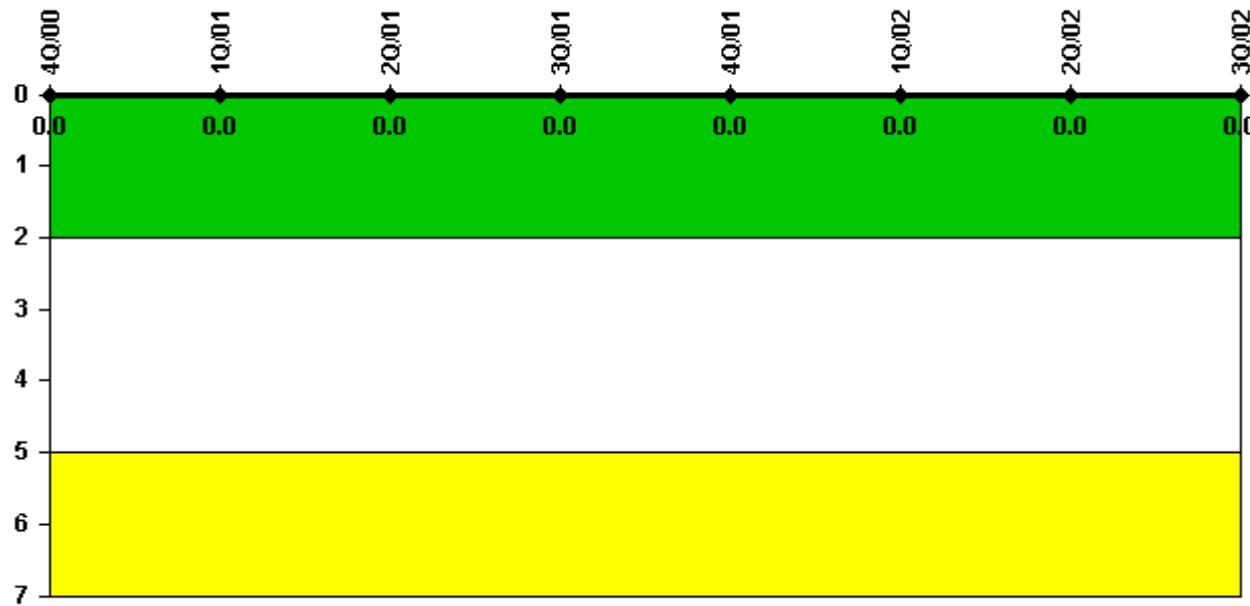
Personnel Screening Program

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							

Licensee Comments: none

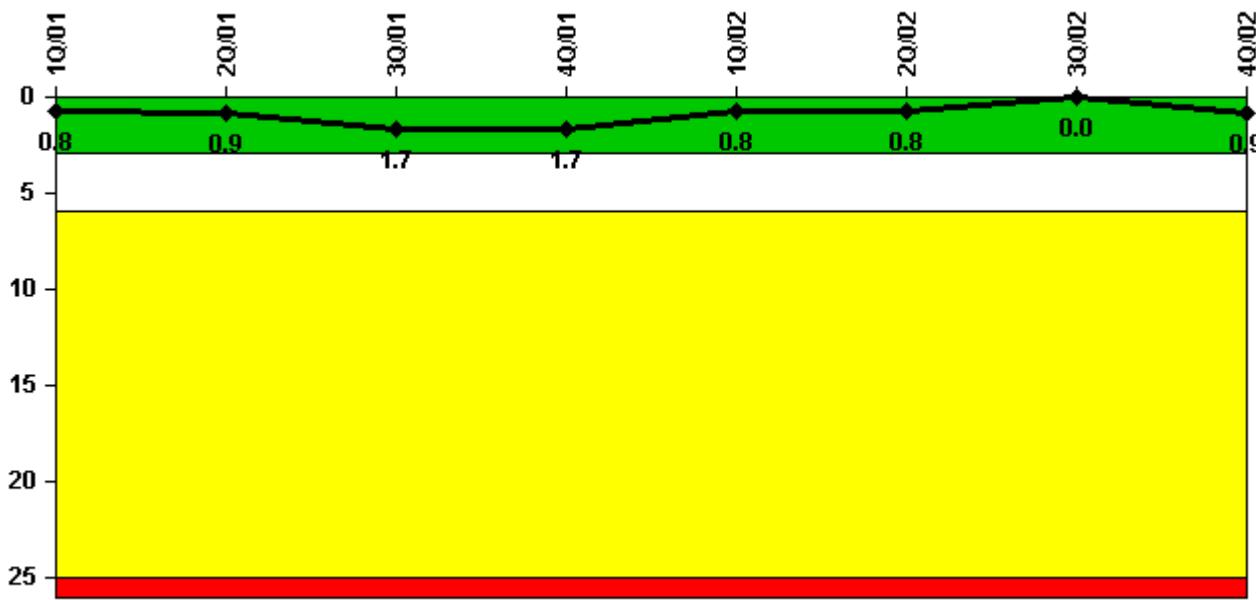


[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: October 22, 2002

Arkansas Nuclear 1**4Q/2002 Performance Indicators**

Licensee's General Comments: none

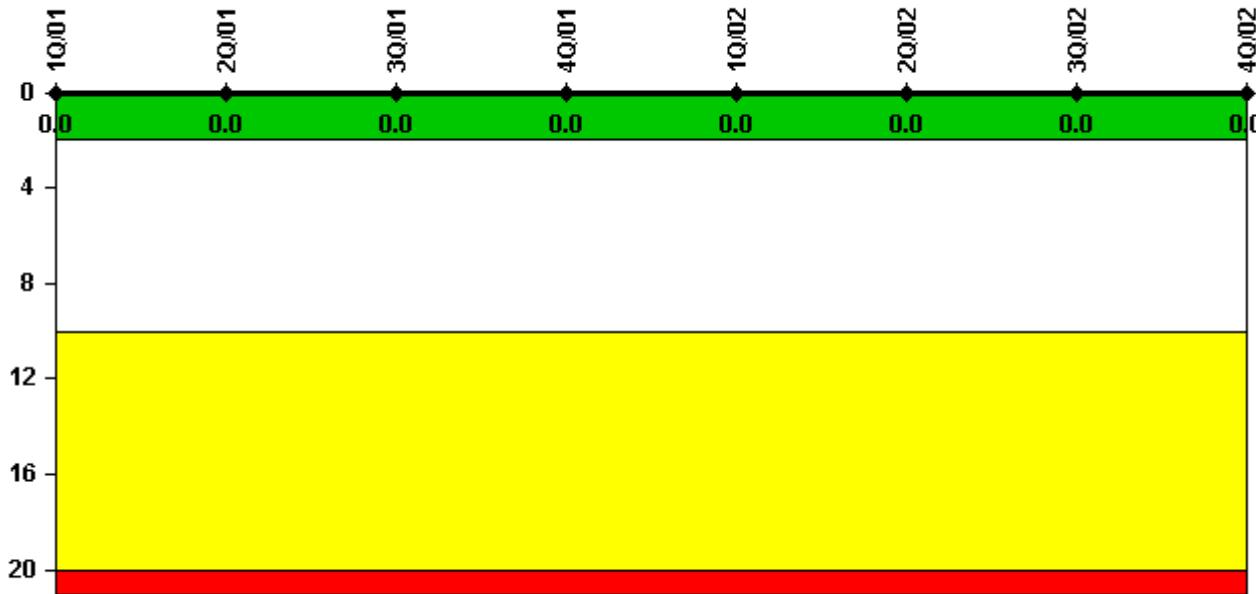
Unplanned Scrams per 7000 Critical Hrs

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	1.0	0	0	0	0	1.0
Critical hours	1766.6	2008.9	2187.3	2209.0	2160.0	2183.0	2208.0	1289.2
Indicator value	0.8	0.9	1.7	1.7	0.8	0.8	0	0.9

Licensee Comments: none

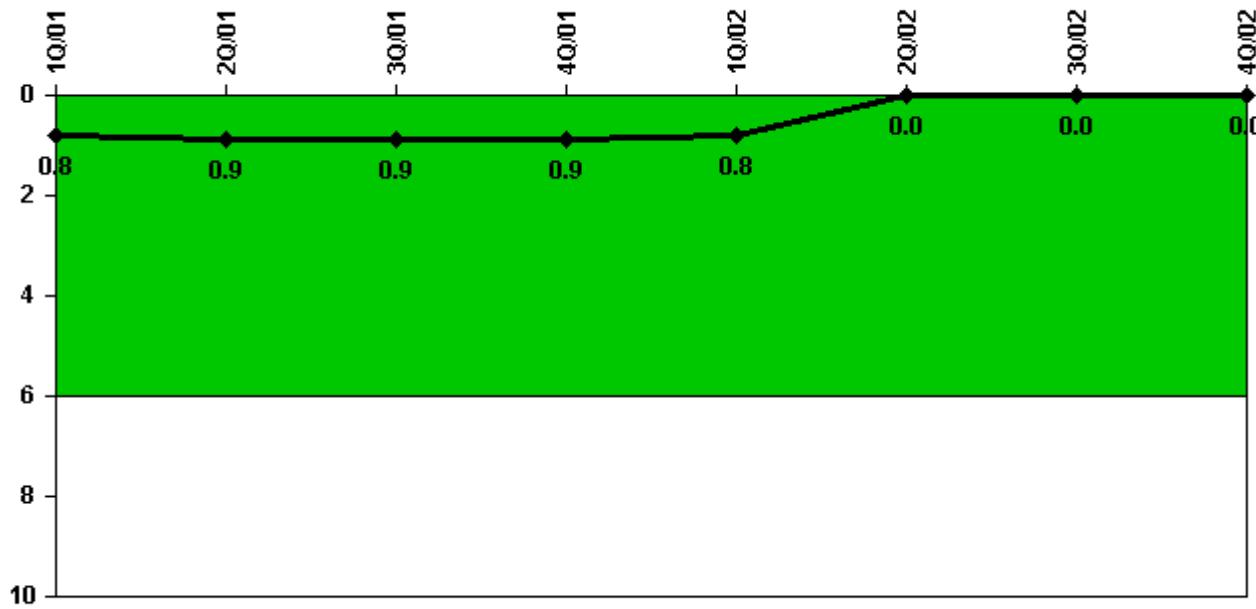
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

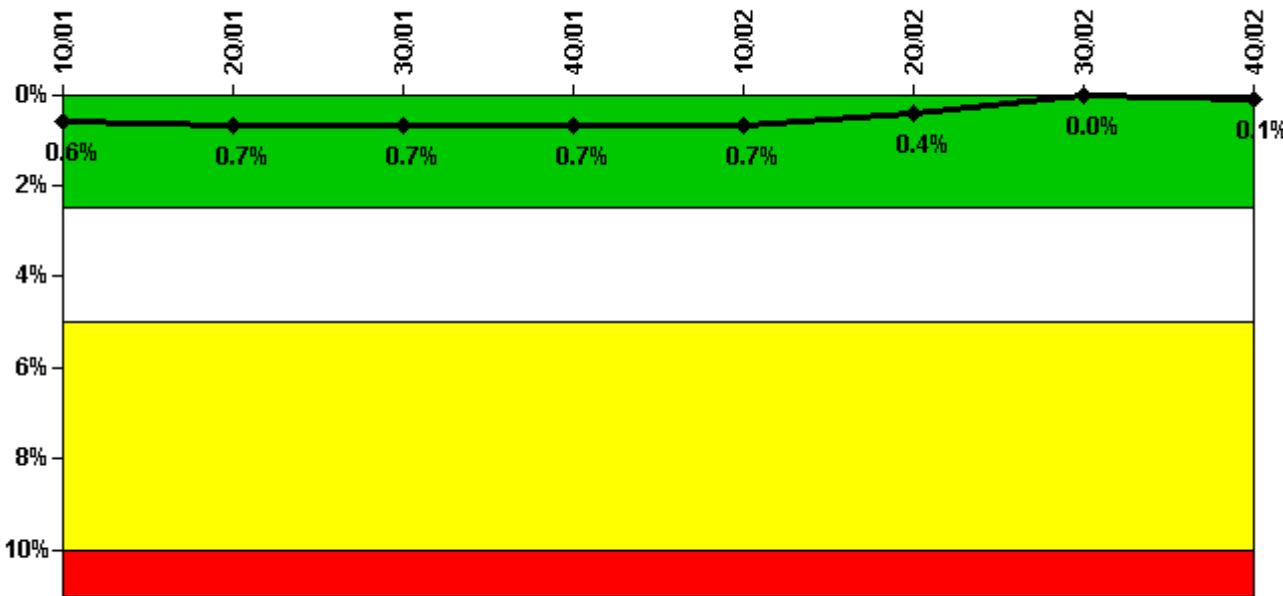
Thresholds: White > 6.0

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	1.0	0	0	0	0	0	0
Critical hours	1766.6	2008.9	2187.3	2209.0	2160.0	2183.0	2208.0	1289.2
Indicator value	0.8	0.9	0.9	0.9	0.8	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



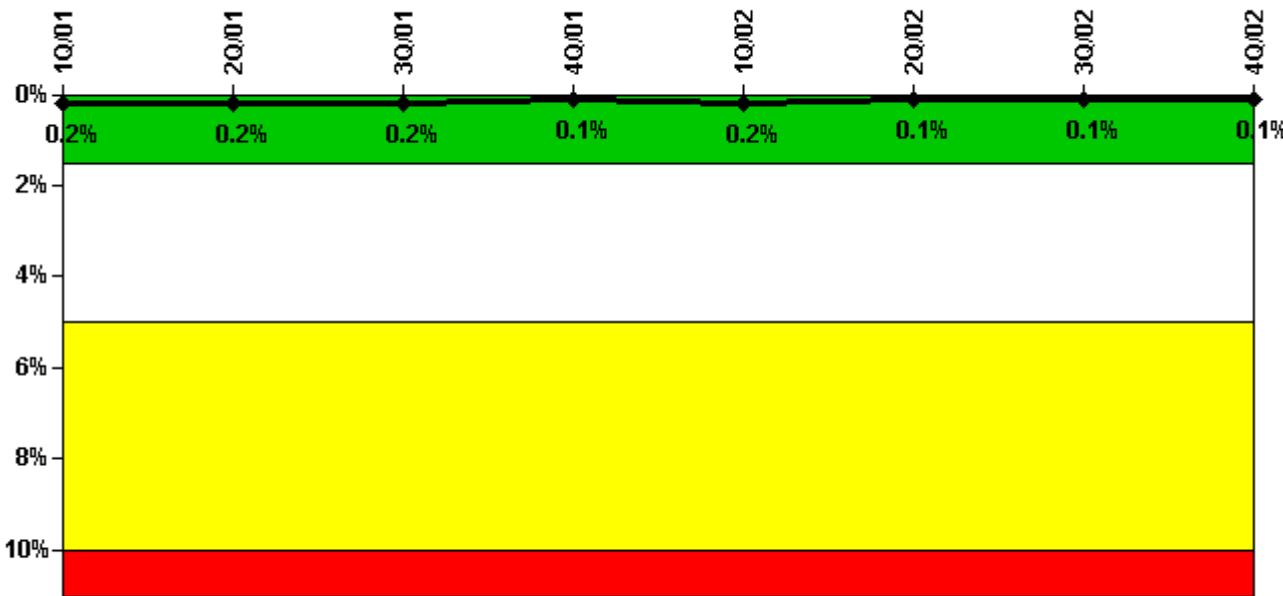
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	1.80	0.62	1.03	0.90	0.82	1.02	0.62	3.03
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	1.17	1.02	1.87	0.77	1.17	0.75	0.97	7.82
Unplanned unavailable hours	0	3.47	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	0.6%	0.7%	0.7%	0.7%	0.7%	0.4%	0%	0.1%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



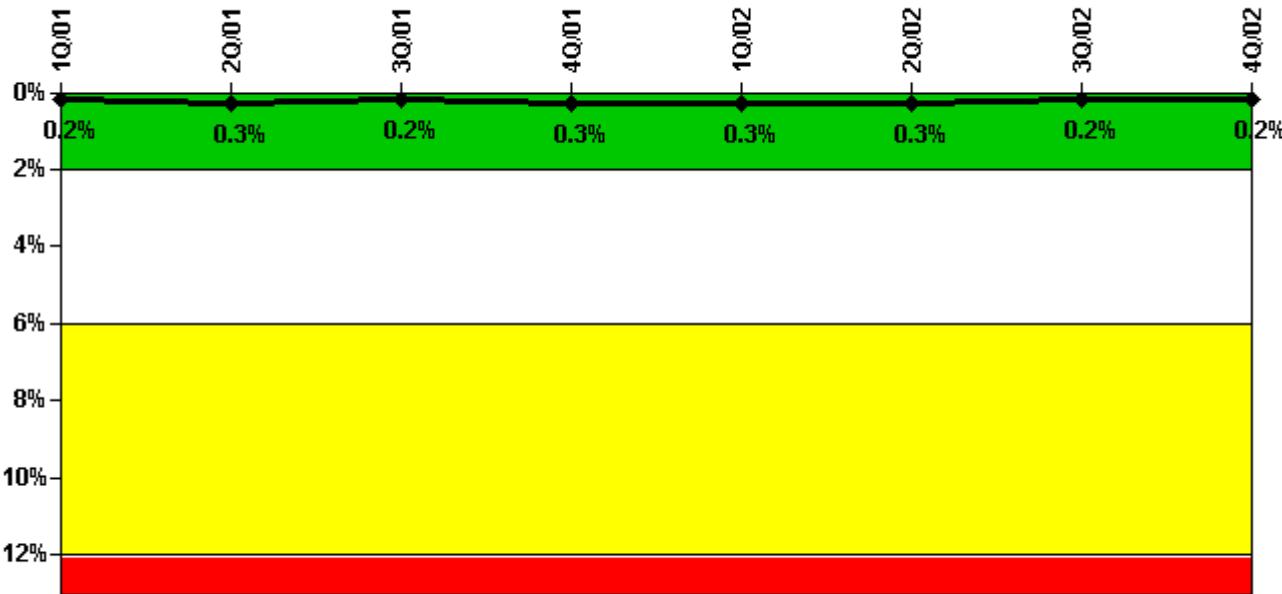
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	0	0	0	7.85	3.55	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1766.60	2009.00	2187.30	2209.00	2160.00	2183.00	2208.00	1289.20
Train 2								
Planned unavailable hours	3.60	0	0	0	13.30	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1766.60	2009.00	2187.30	2209.00	2160.00	2183.00	2208.00	1289.20
Indicator value	0.2%	0.2%	0.2%	0.1%	0.2%	0.1%	0.1%	0.1%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



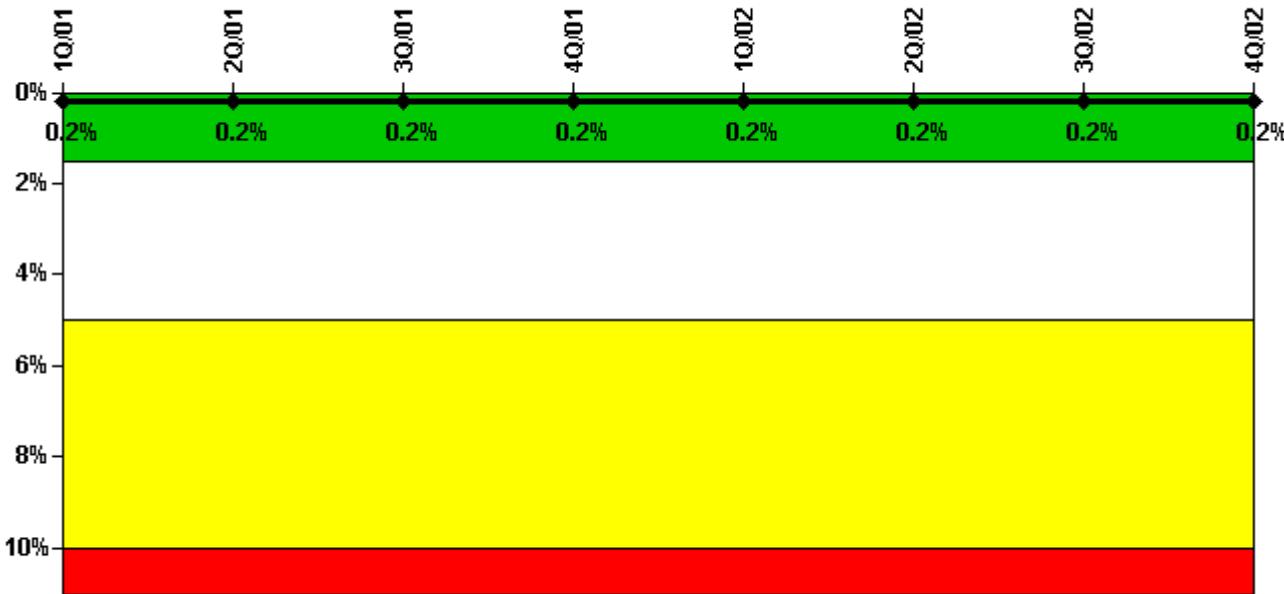
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	0	0	0	15.20	0	0	0	0
Unplanned unavailable hours	2.30	19.80	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1818.10	2032.30	2208.00	2209.00	2160.00	2183.00	2208.00	1343.60
Train 2								
Planned unavailable hours	7.20	0	0	9.15	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1821.30	2039.30	2208.00	2209.00	2160.00	2183.00	2208.00	1416.70
Indicator value	0.2%	0.3%	0.2%	0.3%	0.3%	0.3%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

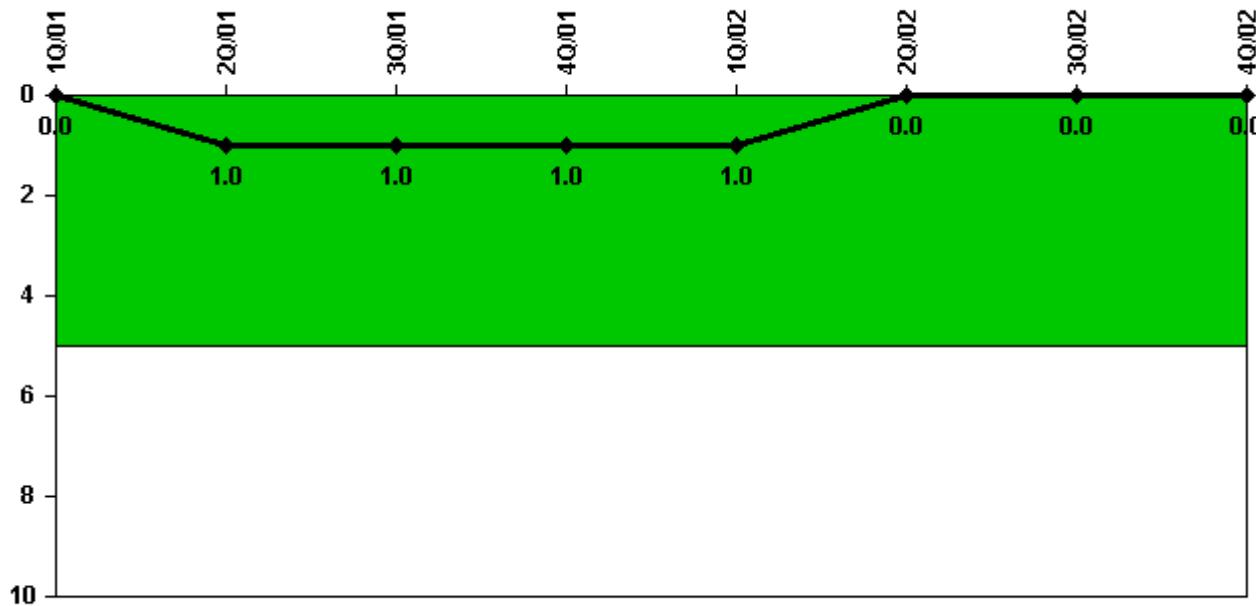


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	0	0	0	10.60	0	0	0	19.50
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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0	0	0	0	15.10	0	0	0
Unplanned unavailable hours	28.25	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	0.2%							

Licensee Comments: none

Safety System Functional Failures (PWR)

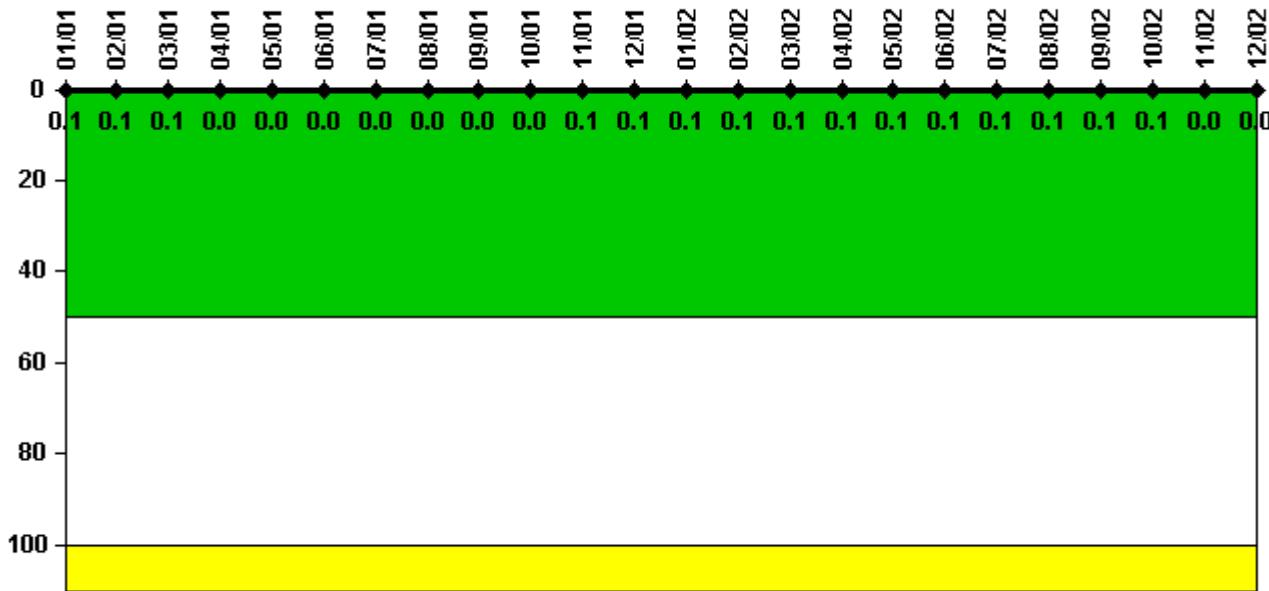
Thresholds: White > 5.0

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	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

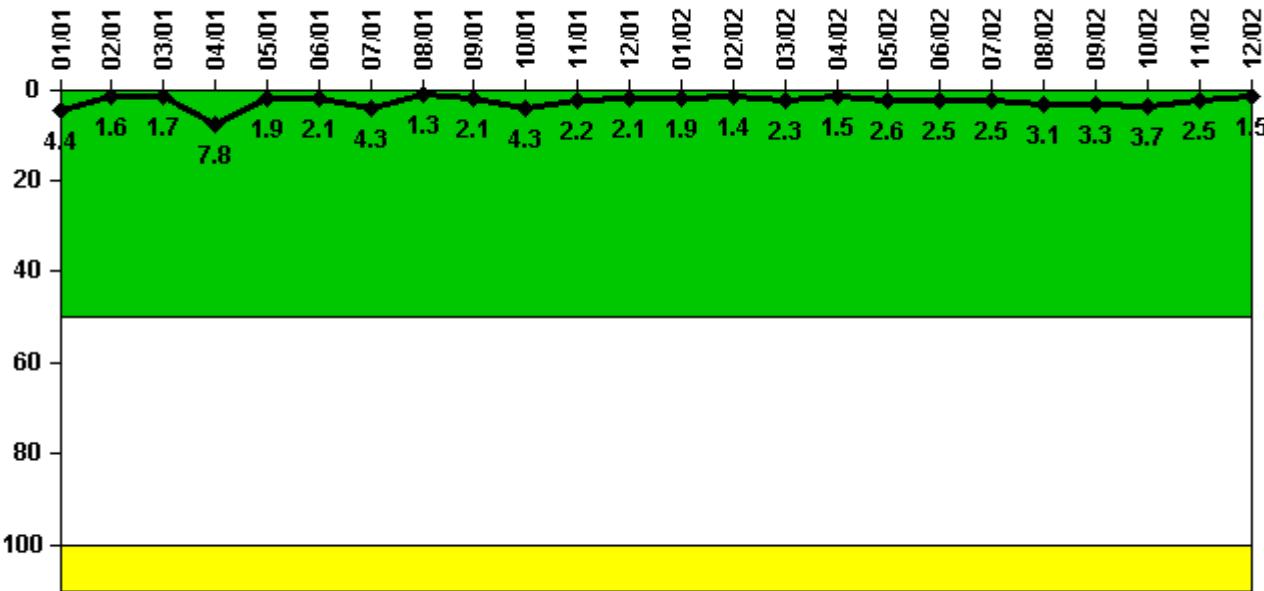
Notes

Reactor Coolant System Activity	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	0.003100	0.003170	0.003710	0.001340	0.001310	0.001430	0.001450	0.001530	0.001570	0.001690	0.001770	0.001850
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0.1	0.1	0	0	0	0	0	0	0	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	0.001870	0.001910	0.002070	0.002140	0.002220	0.002200	0.002210	0.002340	0.002340	0.005180	0.000930	0.000958
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0

Licensee Comments: none

Reactor Coolant System Leakage

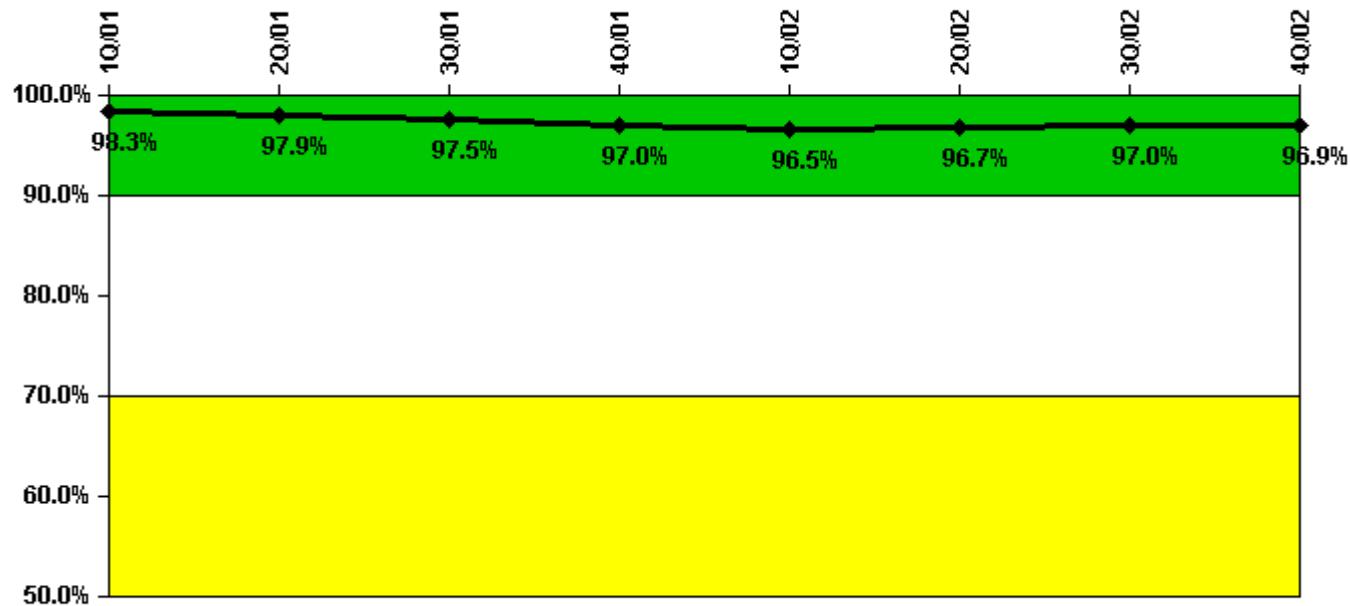


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum leakage	0.438	0.161	0.165	0.783	0.188	0.207	0.431	0.130	0.208	0.425	0.220	0.210
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	1.6	1.7	7.8	1.9	2.1	4.3	1.3	2.1	4.3	2.2	2.1
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	0.193	0.136	0.229	0.148	0.259	0.253	0.248	0.311	0.331	0.372	0.252	0.151
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	1.9	1.4	2.3	1.5	2.6	2.5	2.5	3.1	3.3	3.7	2.5	1.5

Licensee Comments: none

Drill/Exercise Performance

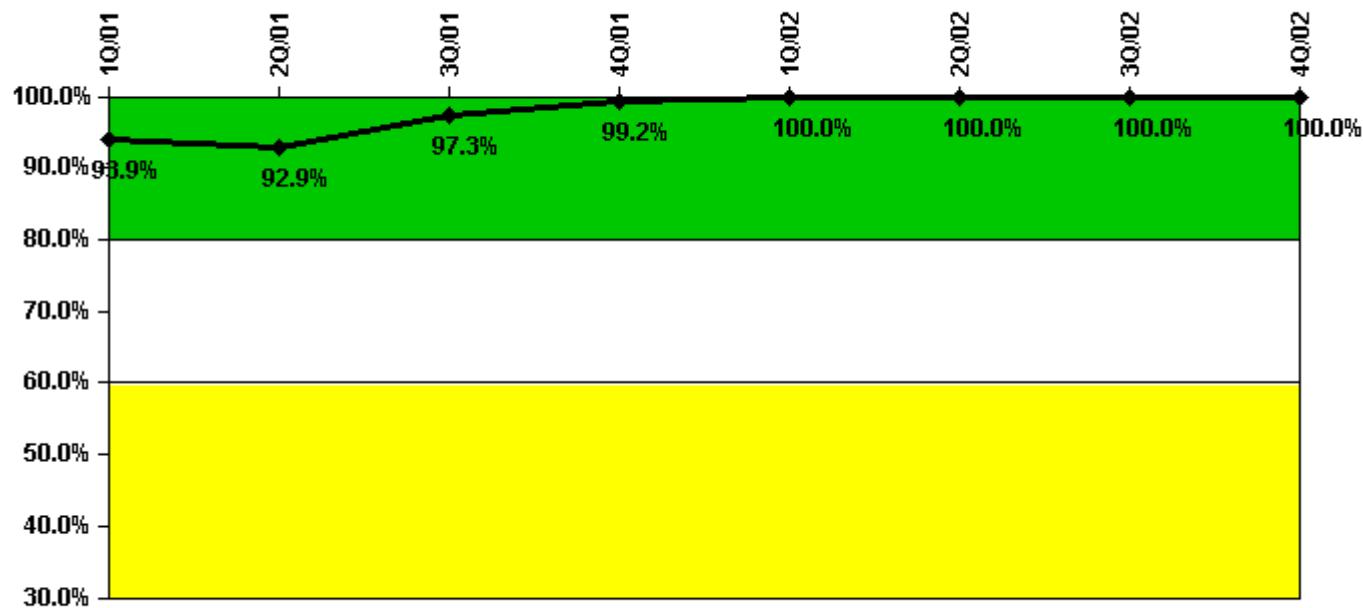
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful opportunities	37.0	69.0	161.0	60.0	71.0	60.0	69.0	38.0
Total opportunities	40.0	72.0	165.0	64.0	73.0	61.0	69.0	39.0
Indicator value	98.3%	97.9%	97.5%	97.0%	96.5%	96.7%	97.0%	96.9%

Licensee Comments: none

ERO Drill Participation

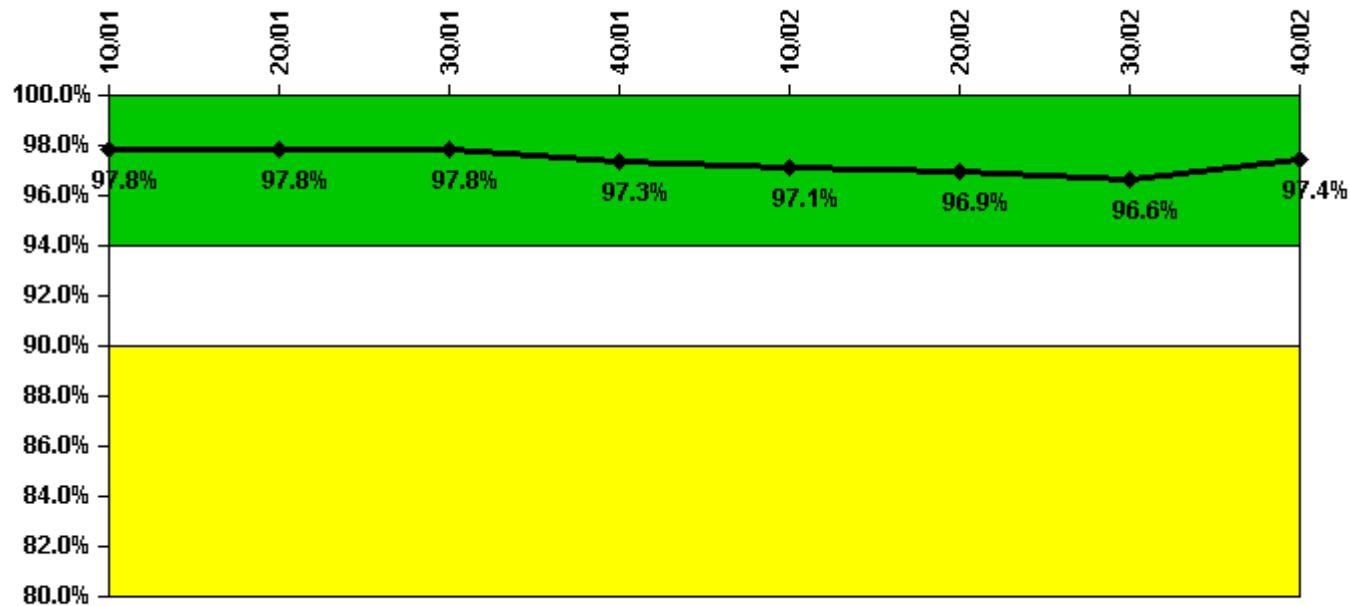


Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Participating Key personnel	107.0	104.0	108.0	120.0	123.0	125.0	129.0	126.0
Total Key personnel	114.0	112.0	111.0	121.0	123.0	125.0	129.0	126.0
Indicator value	93.9%	92.9%	97.3%	99.2%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

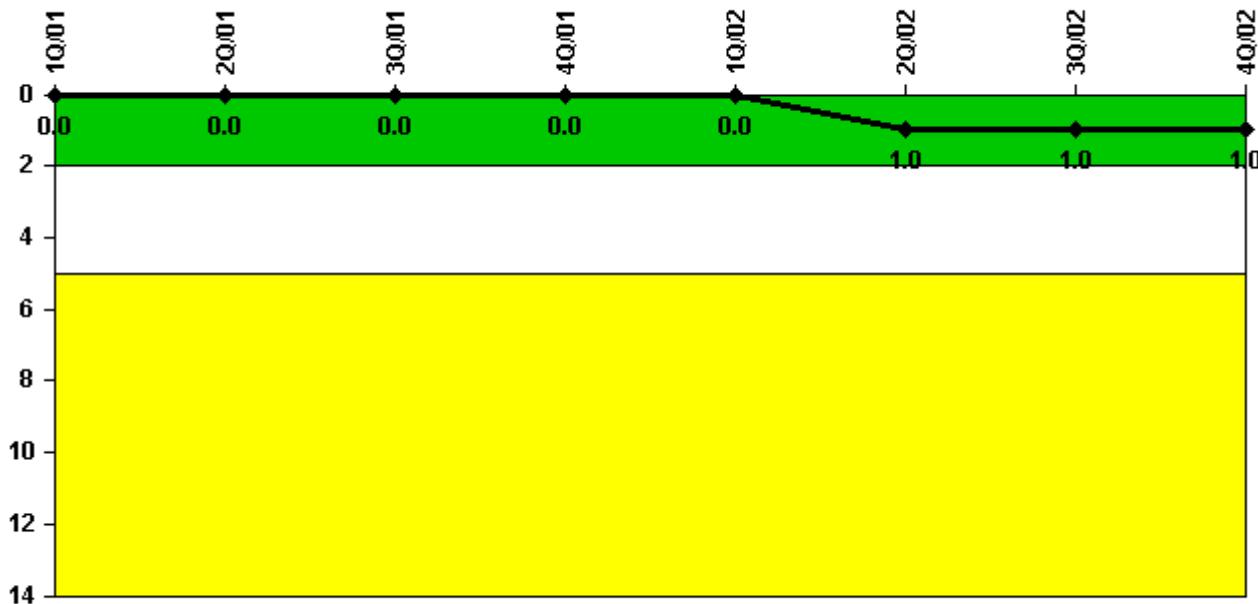
Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Successful siren-tests	144	145	144	139	143	144	142	144
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	97.8%	97.8%	97.8%	97.3%	97.1%	96.9%	96.6%	97.4%

Licensee Comments: none

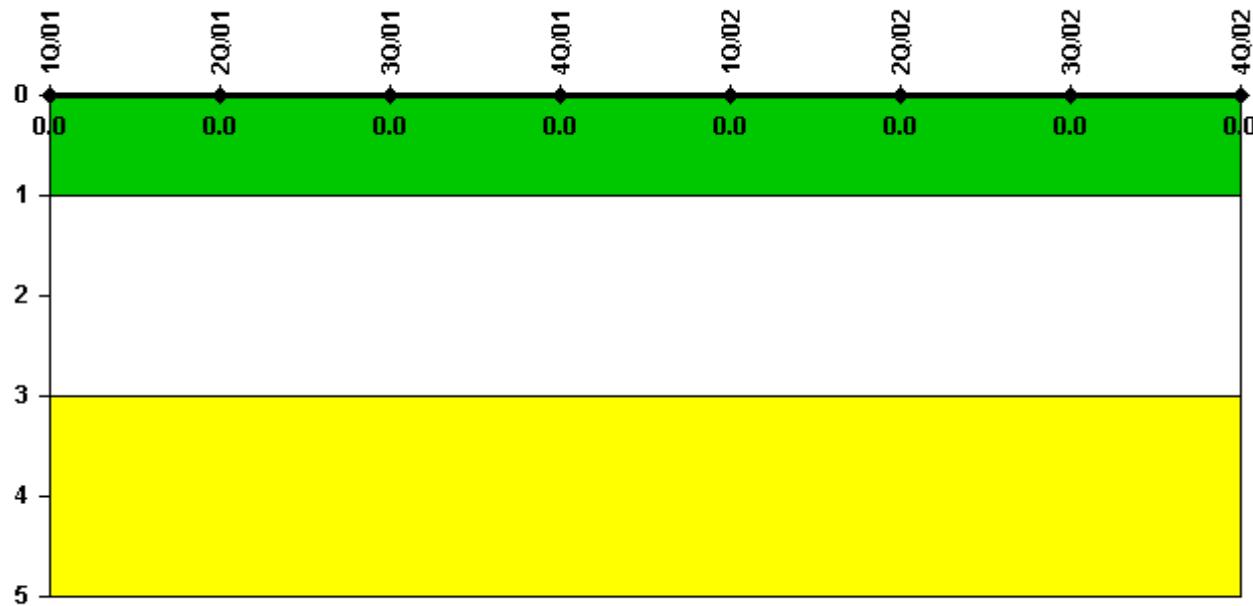
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

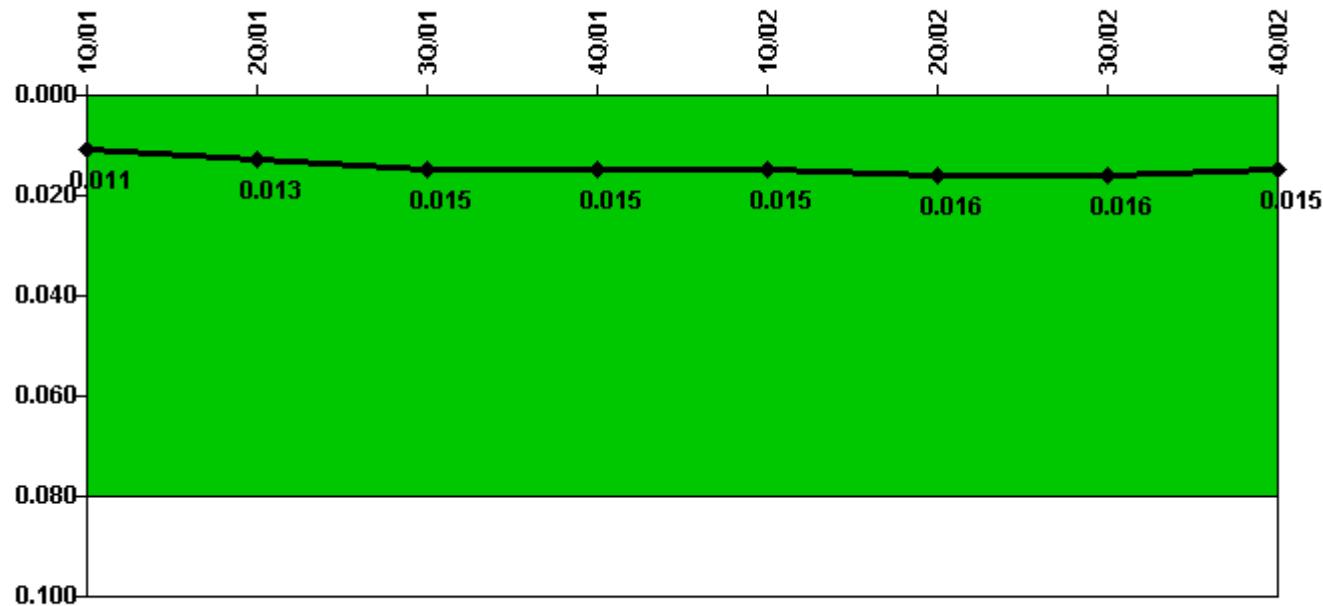
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/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

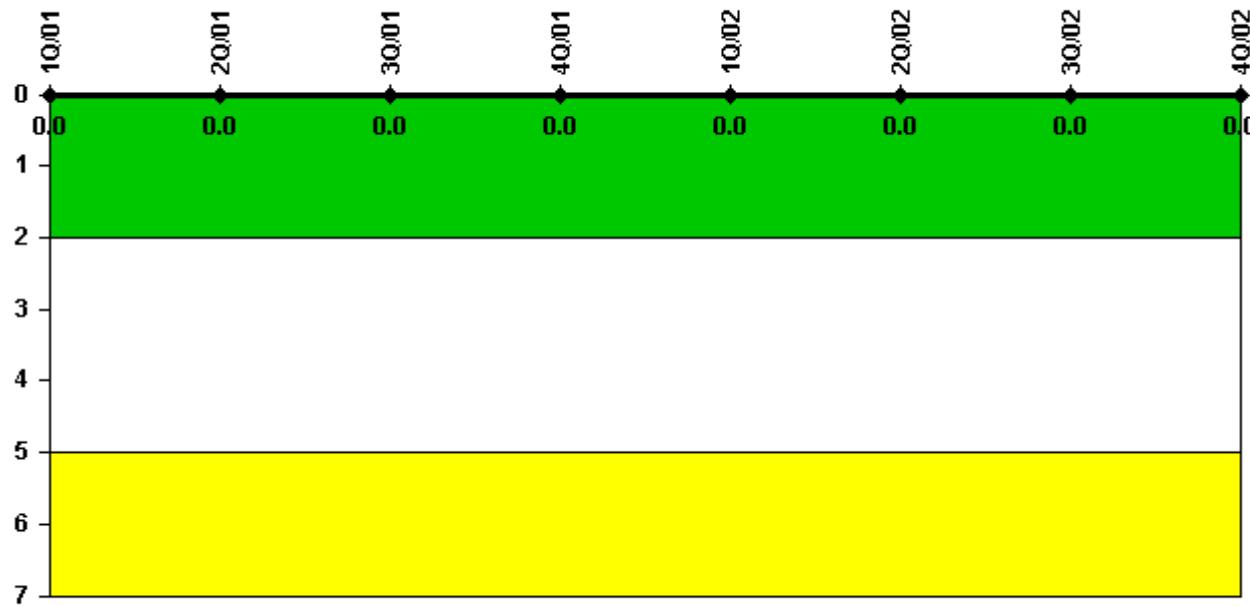


Thresholds: White > 0.080

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	196.90	41.10	115.20	29.40	213.10	91.20	107.20	20.30
CCTV compensatory hours	2.5	19.9	13.7	1.5	0	2.6	14.1	0
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	0.011	0.013	0.015	0.015	0.015	0.016	0.016	0.015

Licensee Comments: none

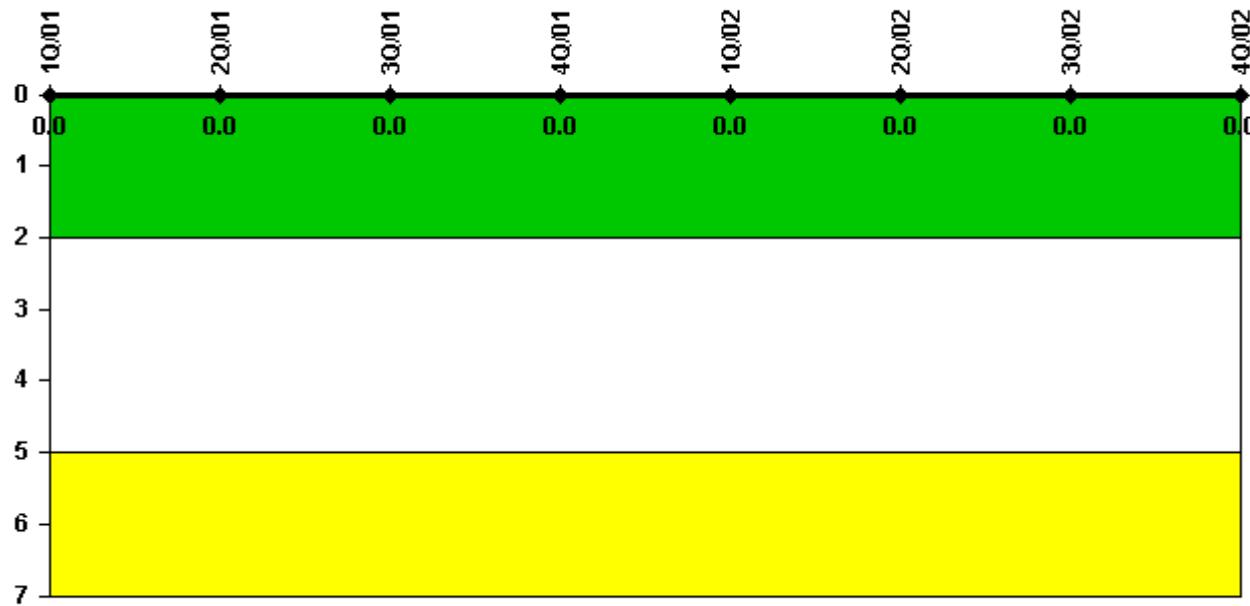
Personnel Screening Program

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



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

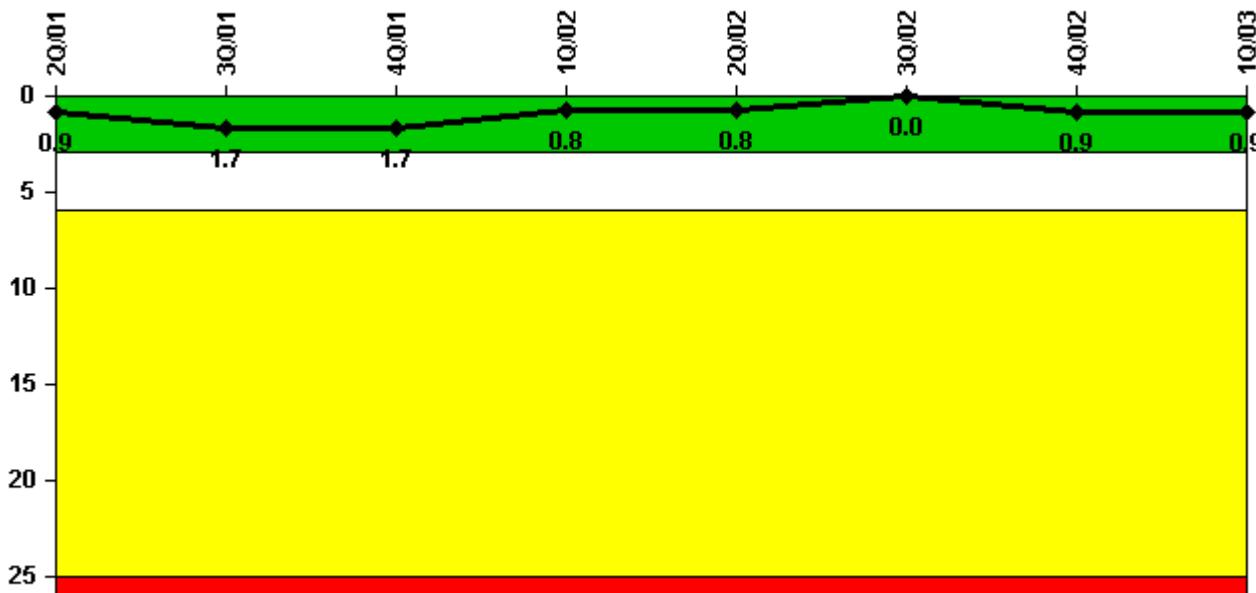
Last Modified: January 30, 2003

Arkansas Nuclear 1

1Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

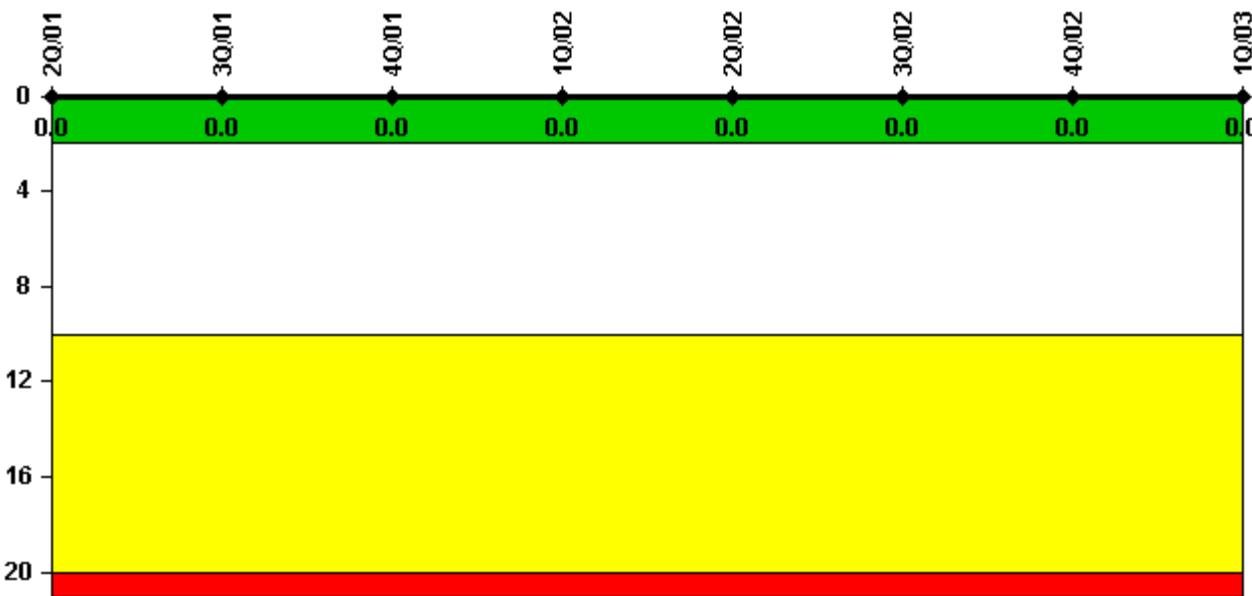


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	1.0	0
Critical hours	2008.9	2187.3	2209.0	2160.0	2183.0	2208.0	1289.2	2160.0
Indicator value	0.9	1.7	1.7	0.8	0.8	0	0.9	0.9

Licensee Comments: none

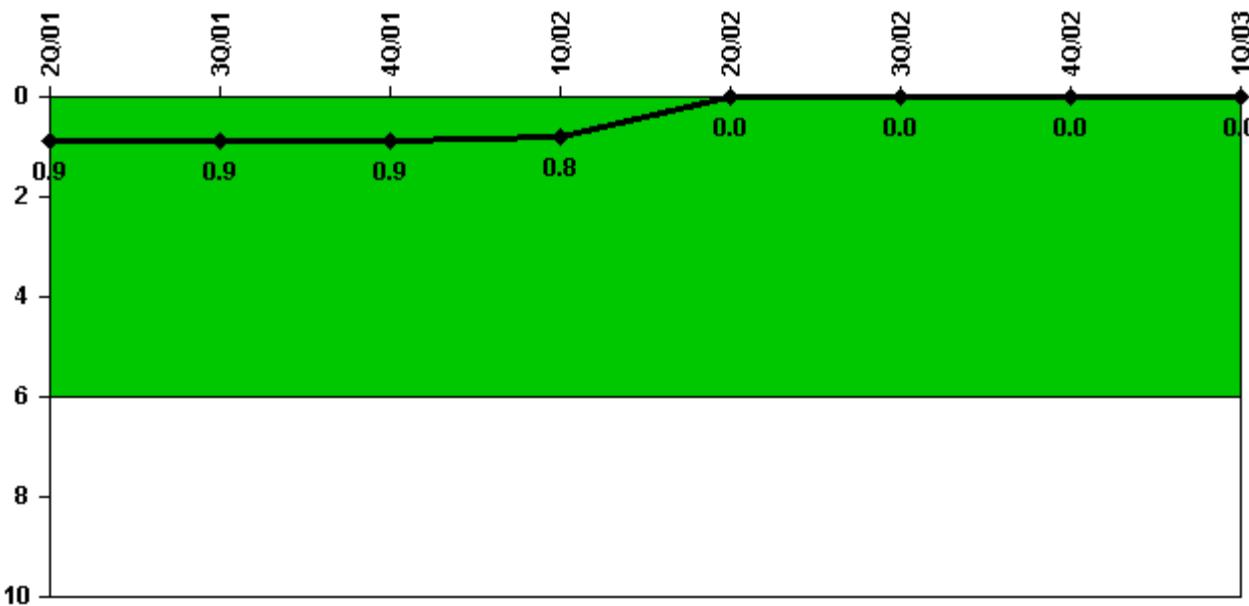
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

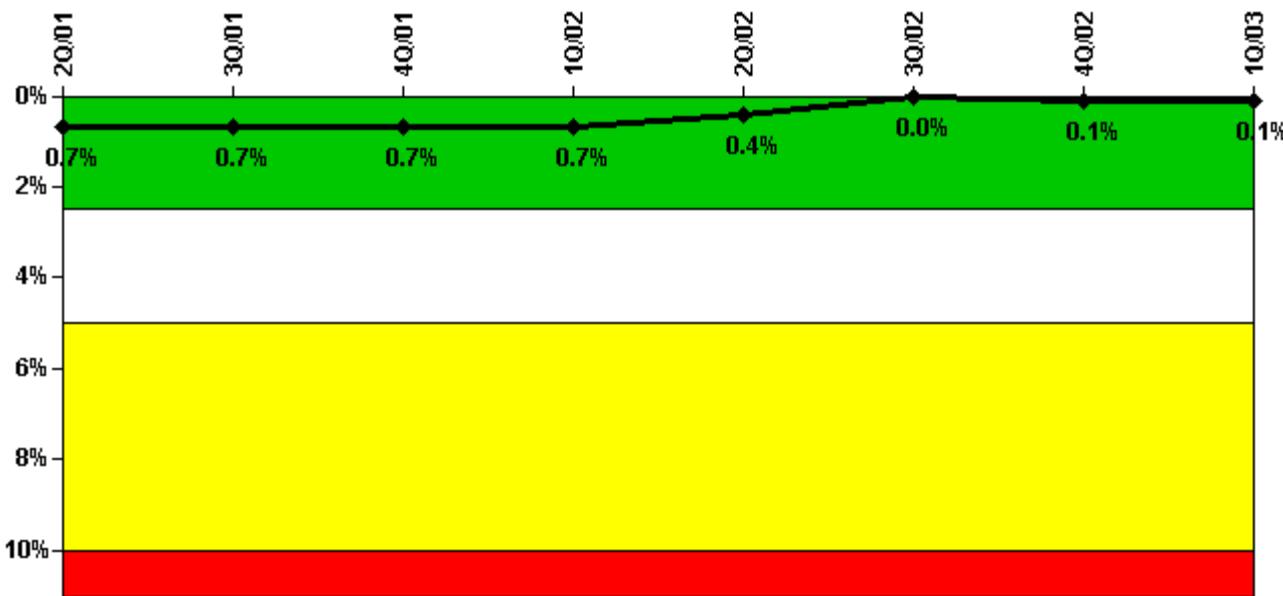
Thresholds: White > 6.0

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	1.0	0	0	0	0	0	0	0
Critical hours	2008.9	2187.3	2209.0	2160.0	2183.0	2208.0	1289.2	2160.0
Indicator value	0.9	0.9	0.9	0.8	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



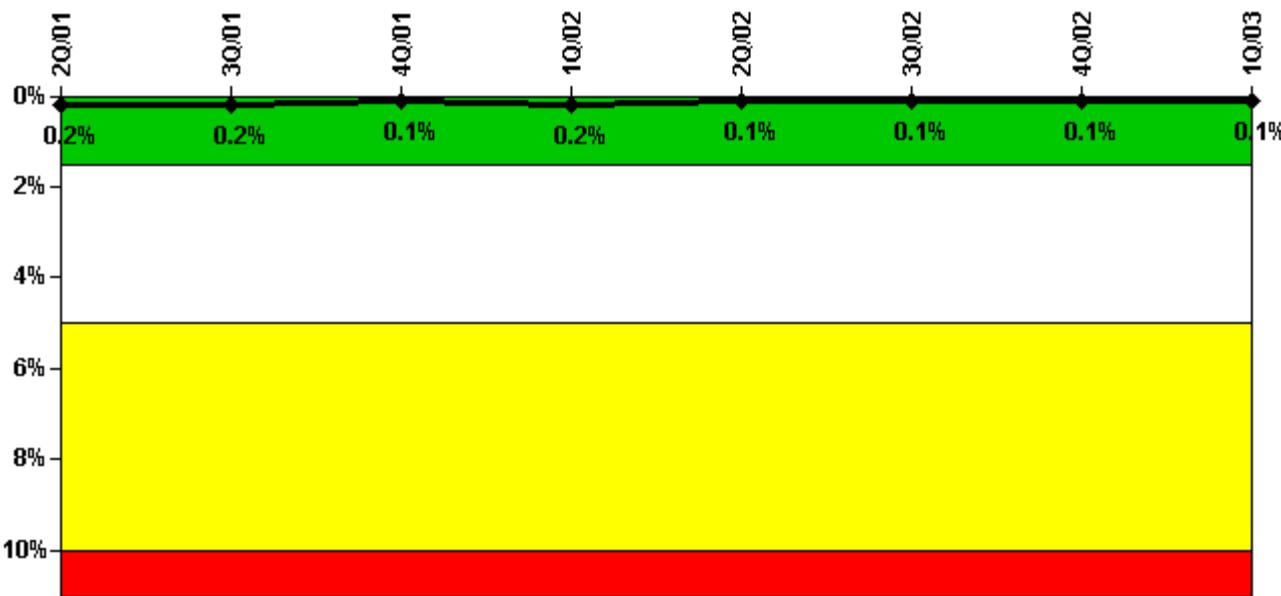
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	0.62	1.03	0.90	0.82	1.02	0.62	3.03	21.40
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	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	1.02	1.87	0.77	1.17	0.75	0.97	7.82	0.50
Unplanned unavailable hours	3.47	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.7%	0.7%	0.7%	0.7%	0.4%	0%	0.1%	0.1%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



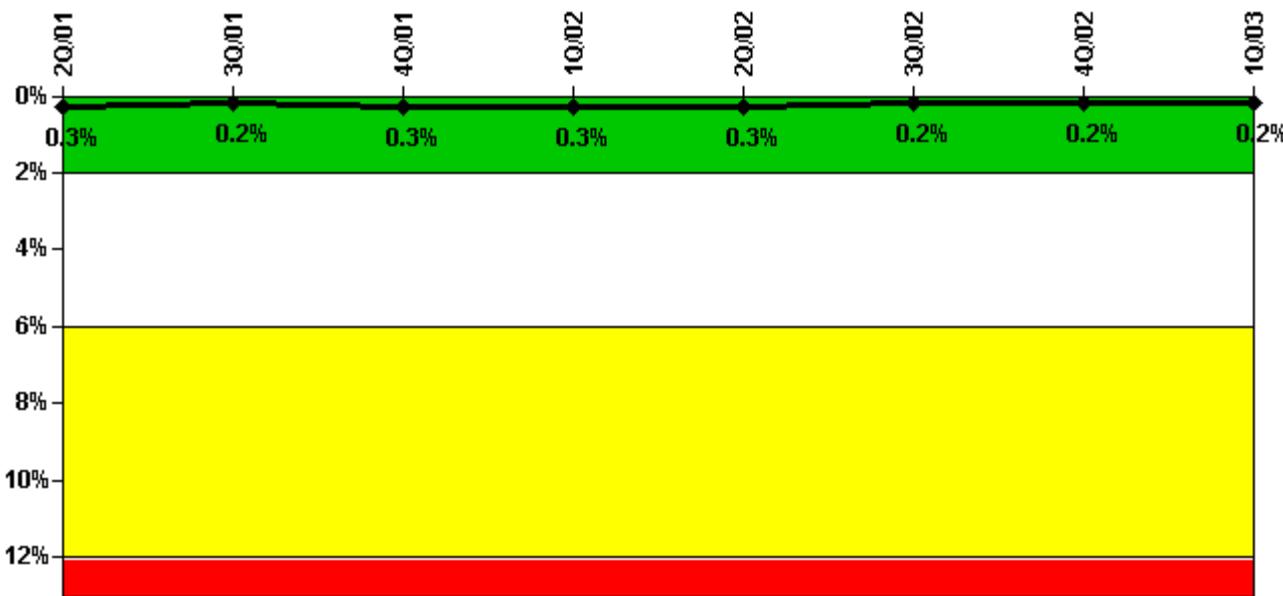
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	0	7.85	3.55	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2009.00	2187.30	2209.00	2160.00	2183.00	2208.00	1289.20	2160.00
Train 2								
Planned unavailable hours	0	0	0	13.30	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2009.00	2187.30	2209.00	2160.00	2183.00	2208.00	1289.20	2160.00
Indicator value	0.2%	0.2%	0.1%	0.2%	0.1%	0.1%	0.1%	0.1%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



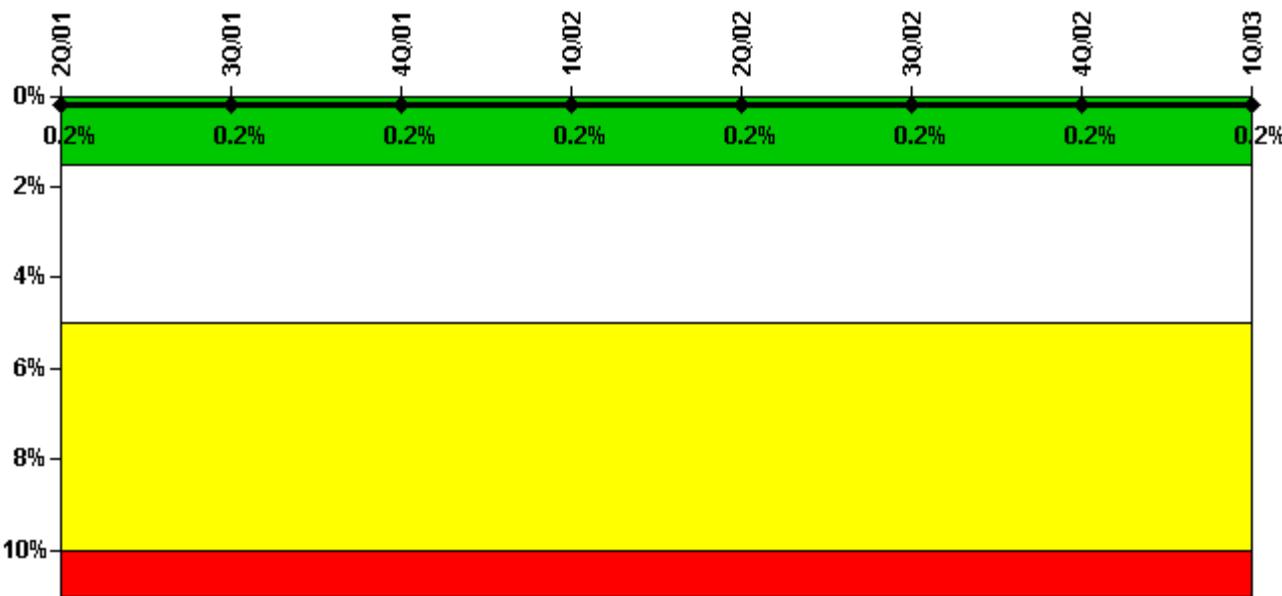
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	0	0	15.20	0	0	0	0	0
Unplanned unavailable hours	19.80	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2032.30	2208.00	2209.00	2160.00	2183.00	2208.00	1343.60	2160.00
Train 2								
Planned unavailable hours	0	0	9.15	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2039.30	2208.00	2209.00	2160.00	2183.00	2208.00	1416.70	2160.00
Indicator value	0.3%	0.2%	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

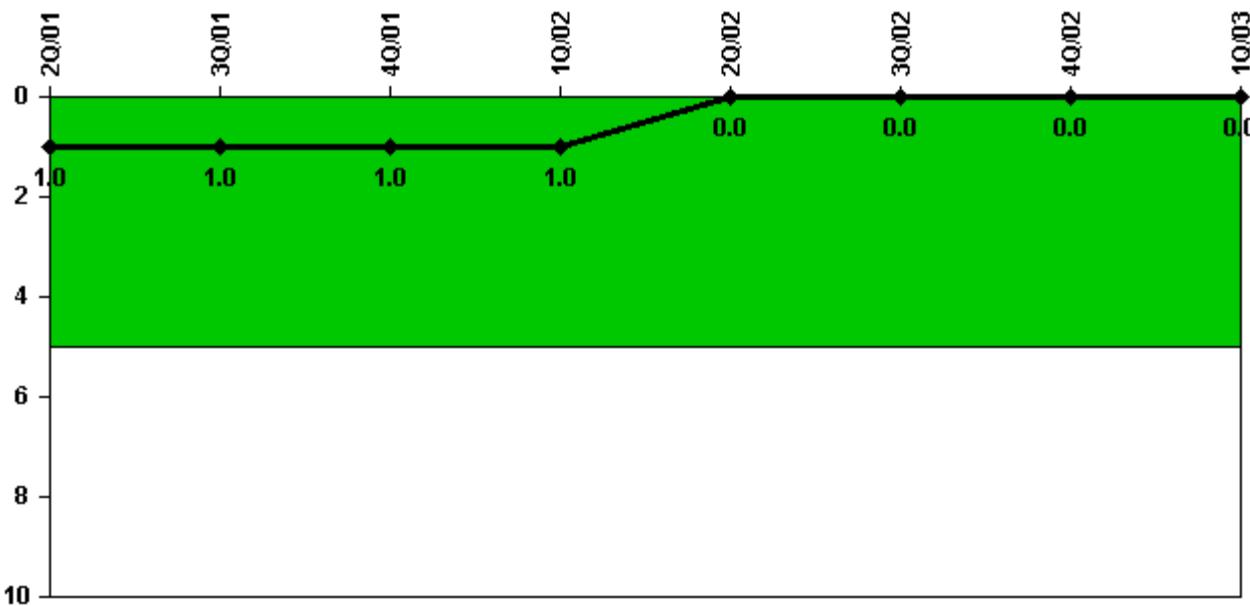


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	0	0	10.60	0	0	0	19.50	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0	0	0	15.10	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.2%							

Licensee Comments: none

Safety System Functional Failures (PWR)

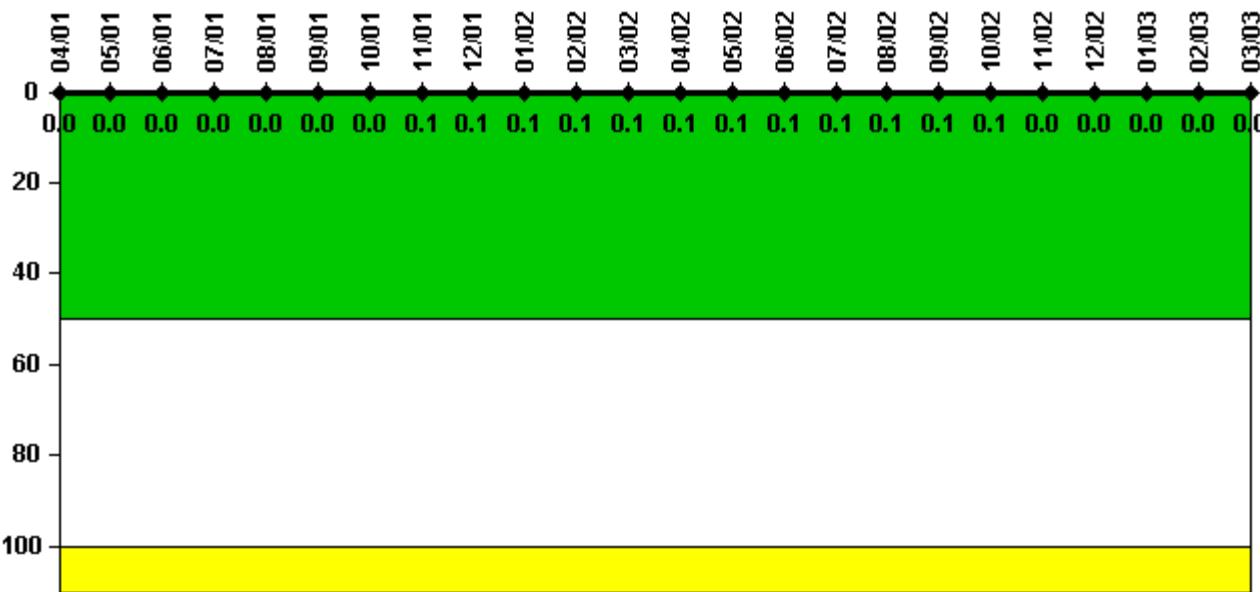
Thresholds: White > 5.0

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	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



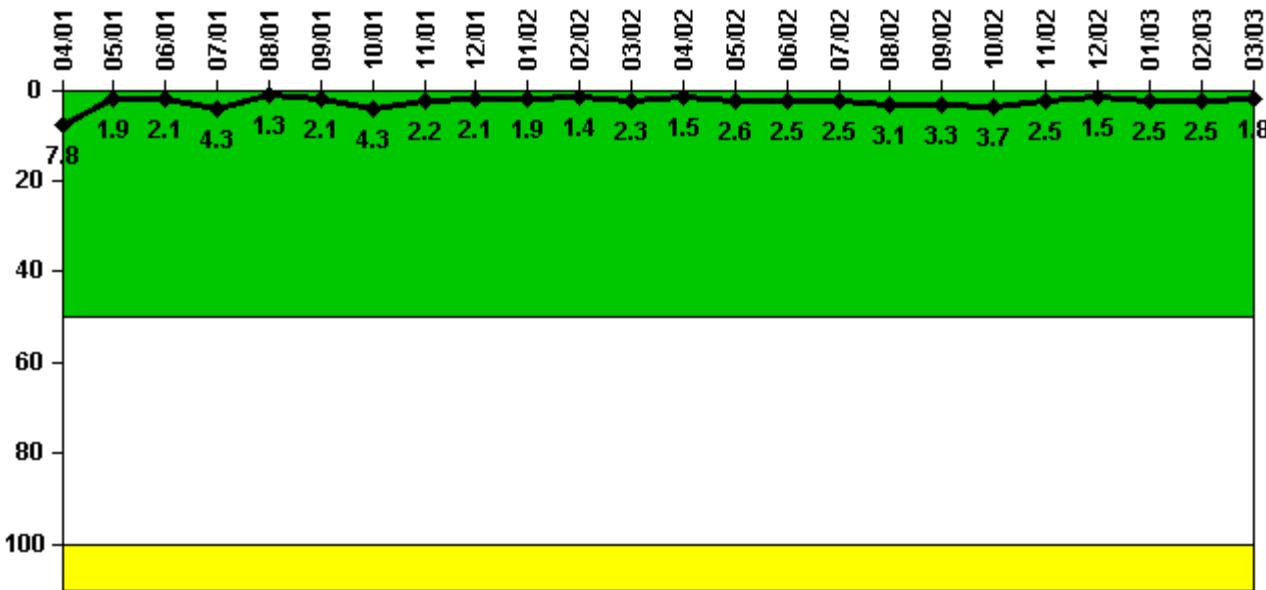
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.001340	0.001310	0.001430	0.001450	0.001530	0.001570	0.001690	0.001770	0.001850	0.001870	0.001910	0.002070
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	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	0.002140	0.002220	0.002200	0.002210	0.002340	0.002340	0.005180	0.000930	0.000958	0.001060	0.001090	0.001120
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



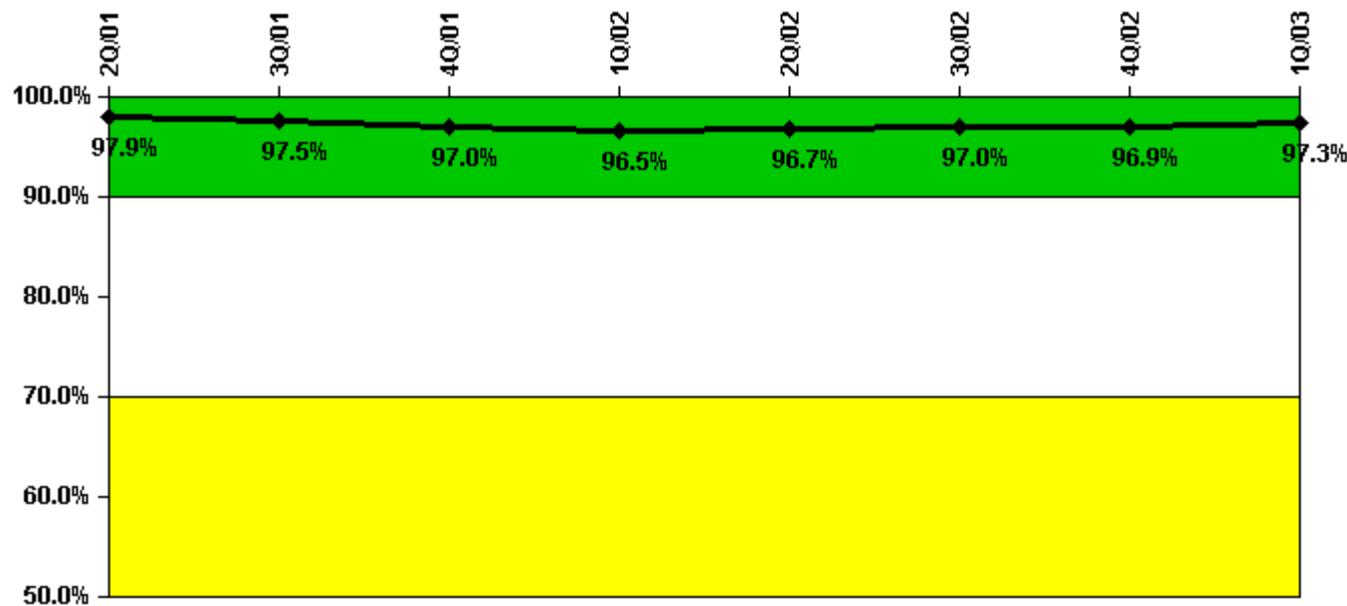
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum leakage	0.783	0.188	0.207	0.431	0.130	0.208	0.425	0.220	0.210	0.193	0.136	0.229
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	7.8	1.9	2.1	4.3	1.3	2.1	4.3	2.2	2.1	1.9	1.4	2.3

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	0.148	0.259	0.253	0.248	0.311	0.331	0.372	0.252	0.151	0.252	0.253	0.181
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	2.6	2.5	2.5	3.1	3.3	3.7	2.5	1.5	2.5	2.5	1.8

Licensee Comments: none

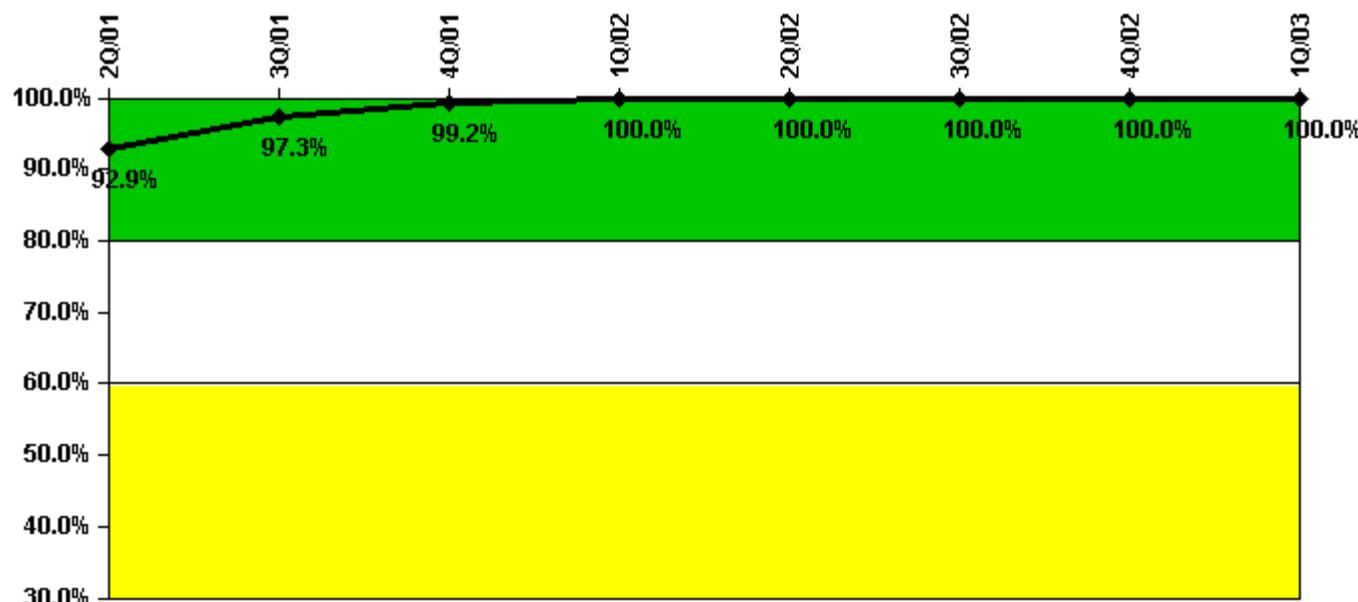
Drill/Exercise Performance

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	69.0	161.0	60.0	71.0	60.0	69.0	38.0	45.0
Total opportunities	72.0	165.0	64.0	73.0	61.0	69.0	39.0	46.0
Indicator value	97.9%	97.5%	97.0%	96.5%	96.7%	97.0%	96.9%	97.3%

Licensee Comments: none

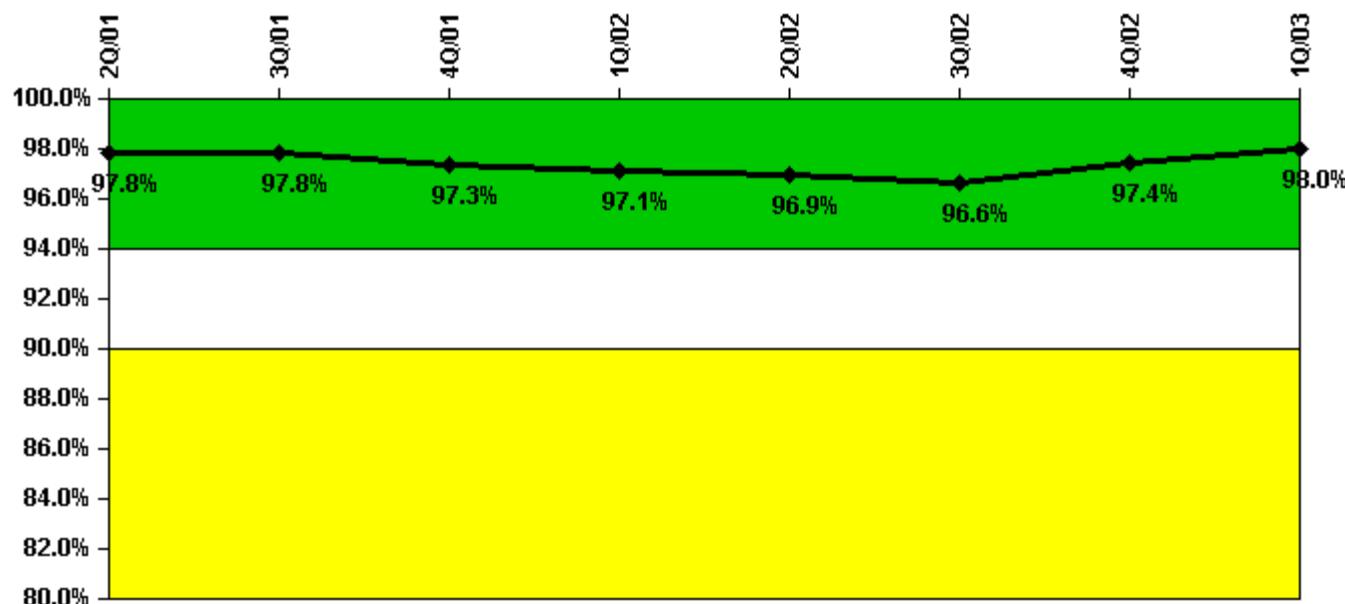
ERO Drill Participation

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	104.0	108.0	120.0	123.0	125.0	129.0	126.0	117.0
Total Key personnel	112.0	111.0	121.0	123.0	125.0	129.0	126.0	117.0
Indicator value	92.9%	97.3%	99.2%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

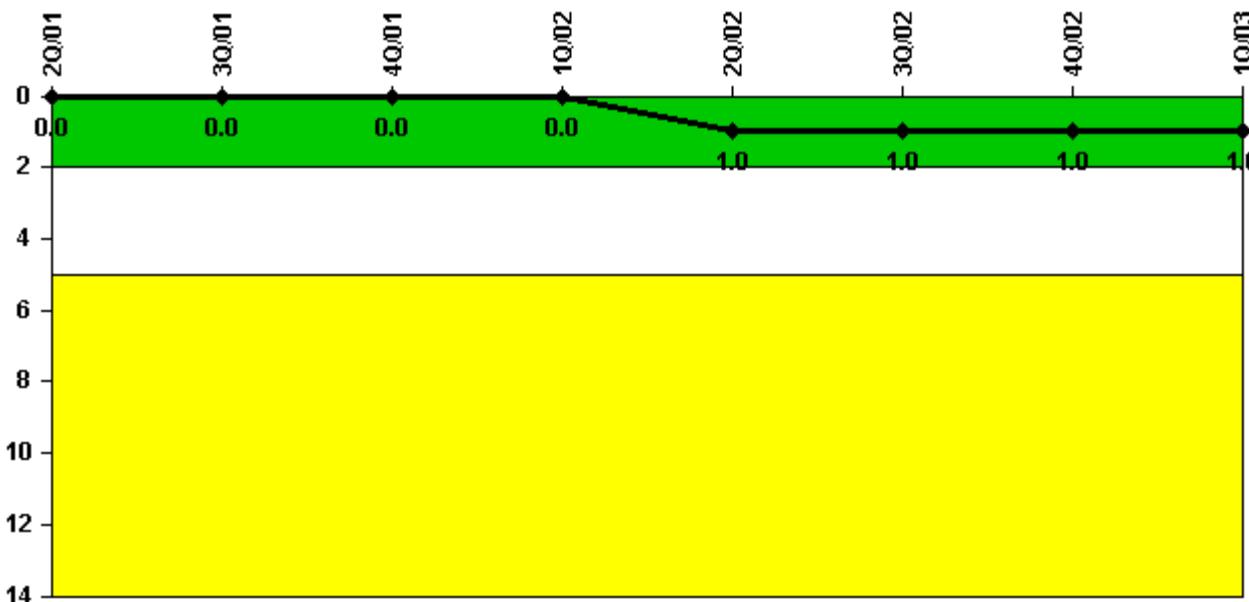
Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful siren-tests	145	144	139	143	144	142	144	146
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	97.8%	97.8%	97.3%	97.1%	96.9%	96.6%	97.4%	98.0%

Licensee Comments: none

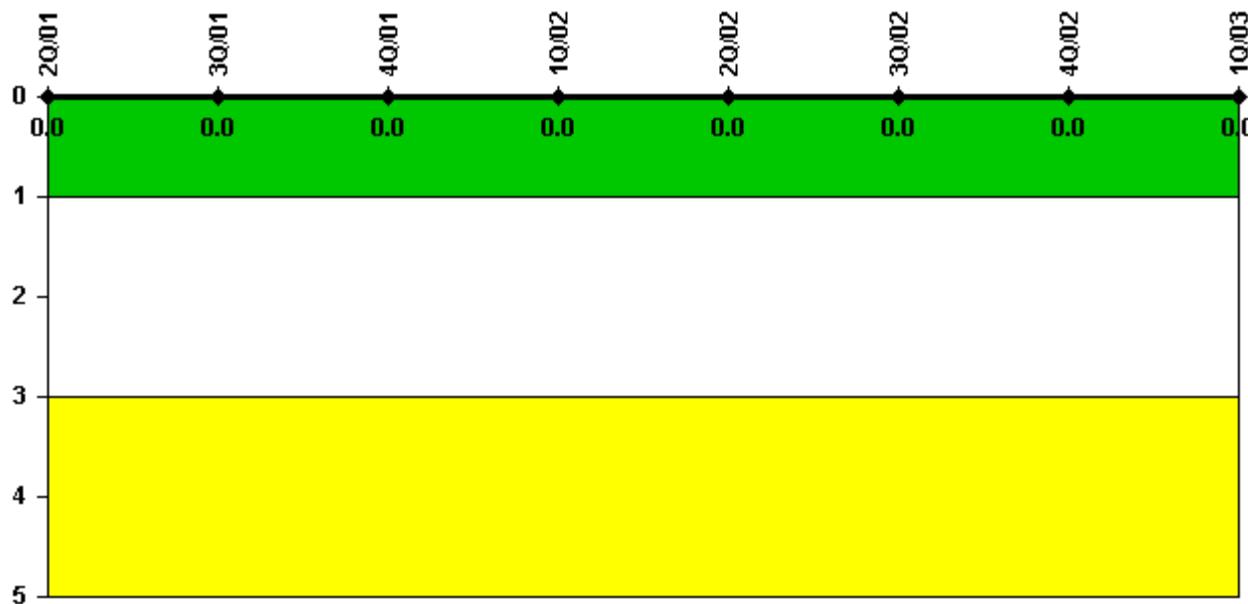
Occupational Exposure Control Effectiveness

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

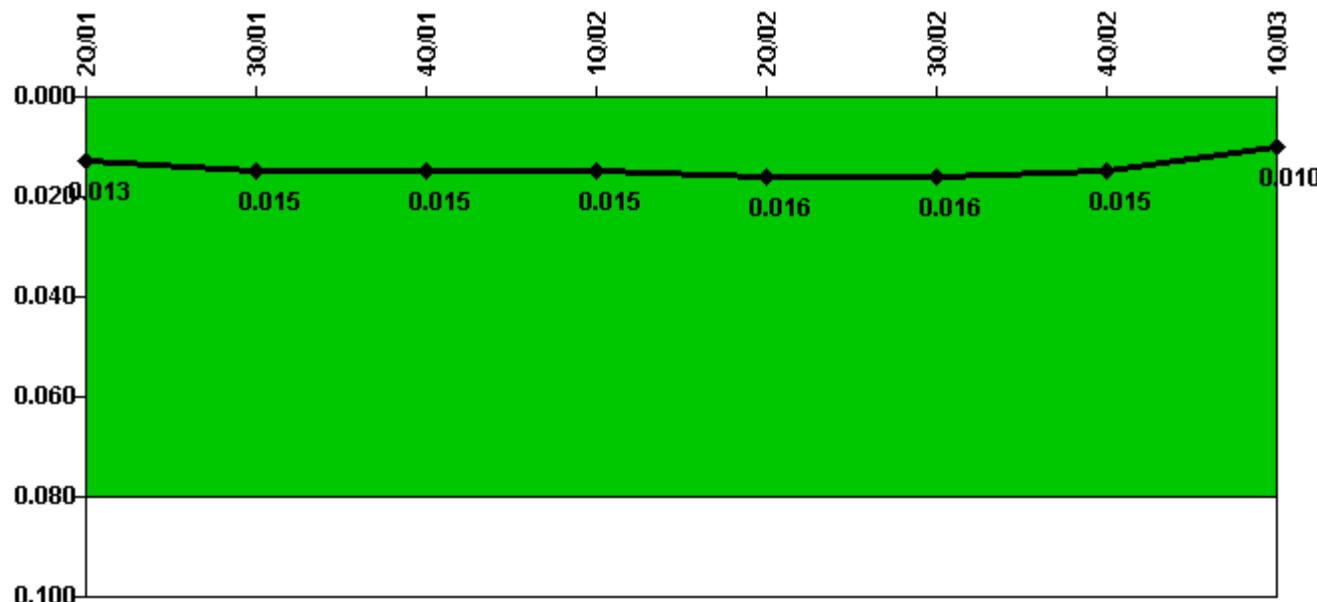
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/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

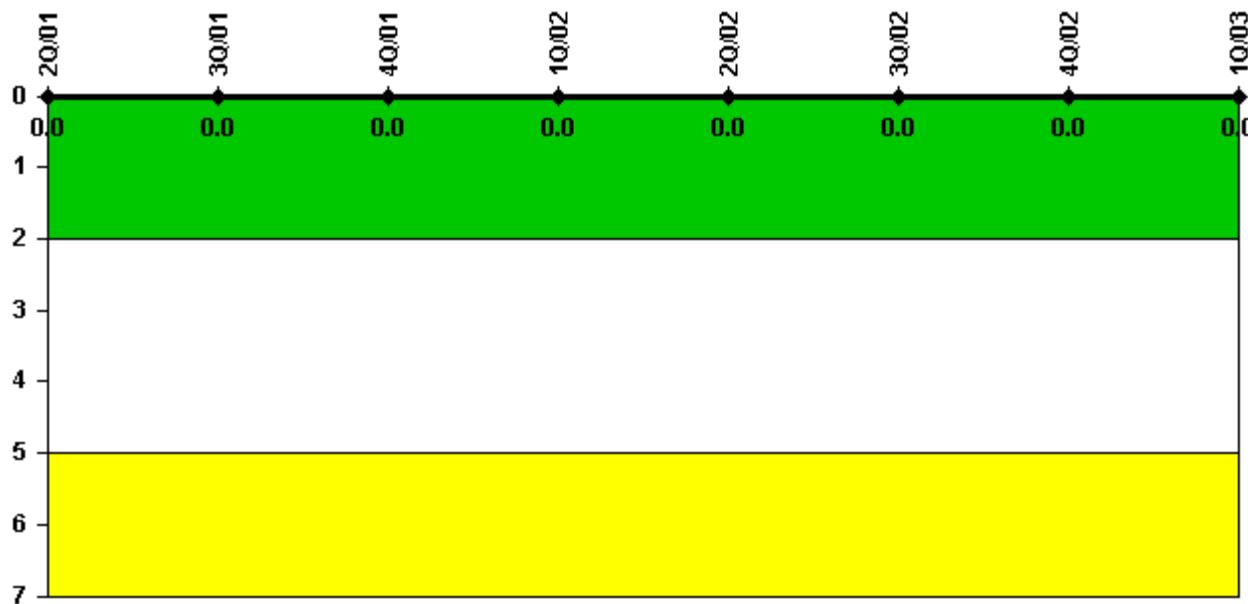


Thresholds: White > 0.080

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	41.10	115.20	29.40	213.10	91.20	107.20	20.30	47.40
CCTV compensatory hours	19.9	13.7	1.5	0	2.6	14.1	0	0
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	0.013	0.015	0.015	0.015	0.016	0.016	0.015	0.010

Licensee Comments: none

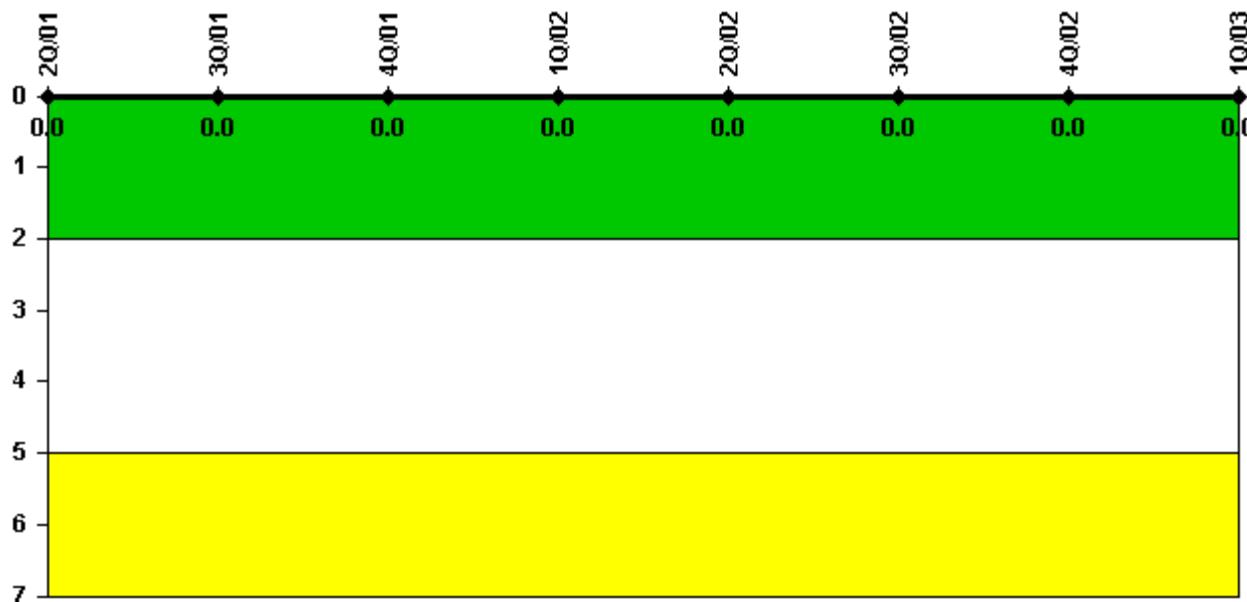
Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

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](#)

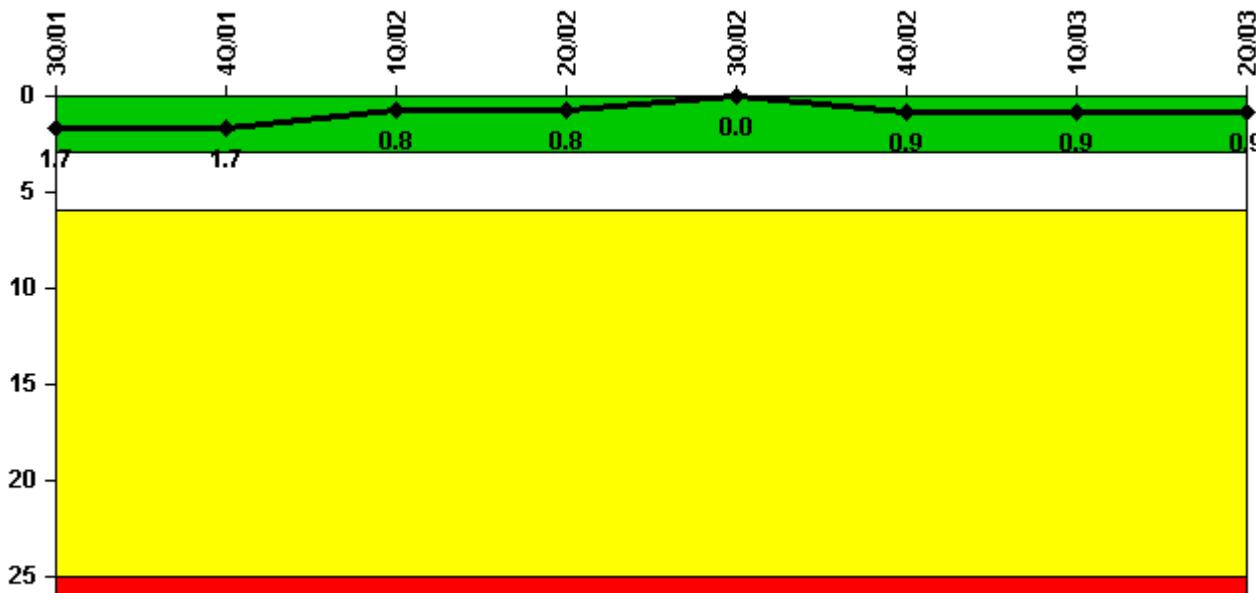
Last Modified: April 22, 2003

Arkansas Nuclear 1

2Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

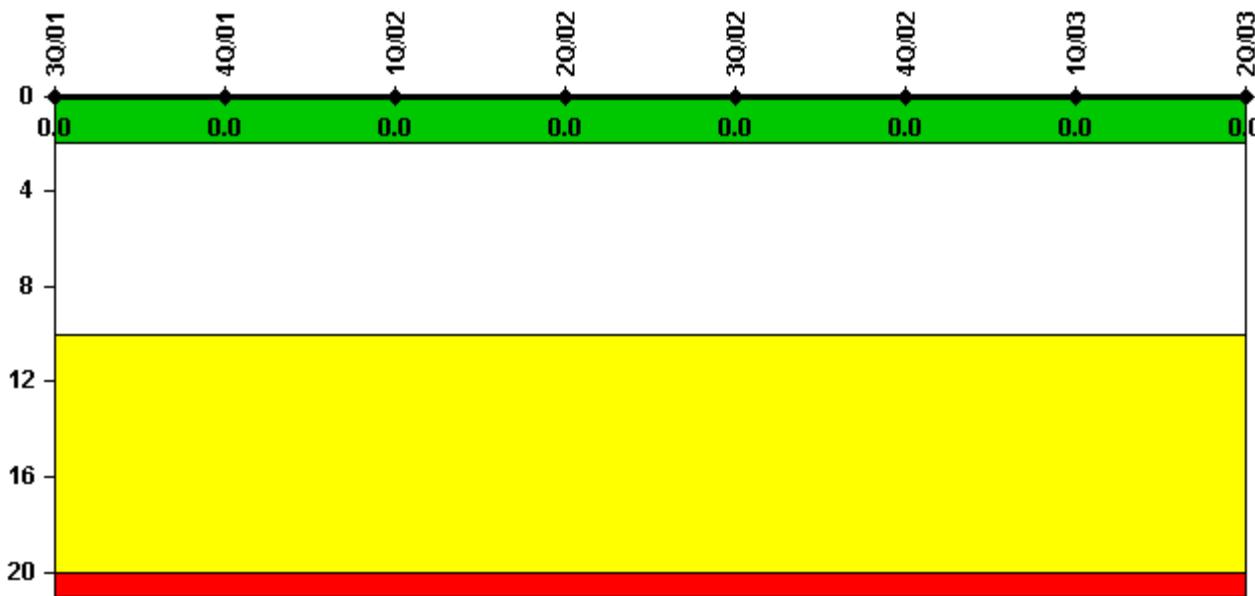


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	1.0	0	0
Critical hours	2187.3	2209.0	2160.0	2183.0	2208.0	1289.2	2160.0	2183.0
Indicator value	1.7	1.7	0.8	0.8	0	0.9	0.9	0.9

Licensee Comments: none

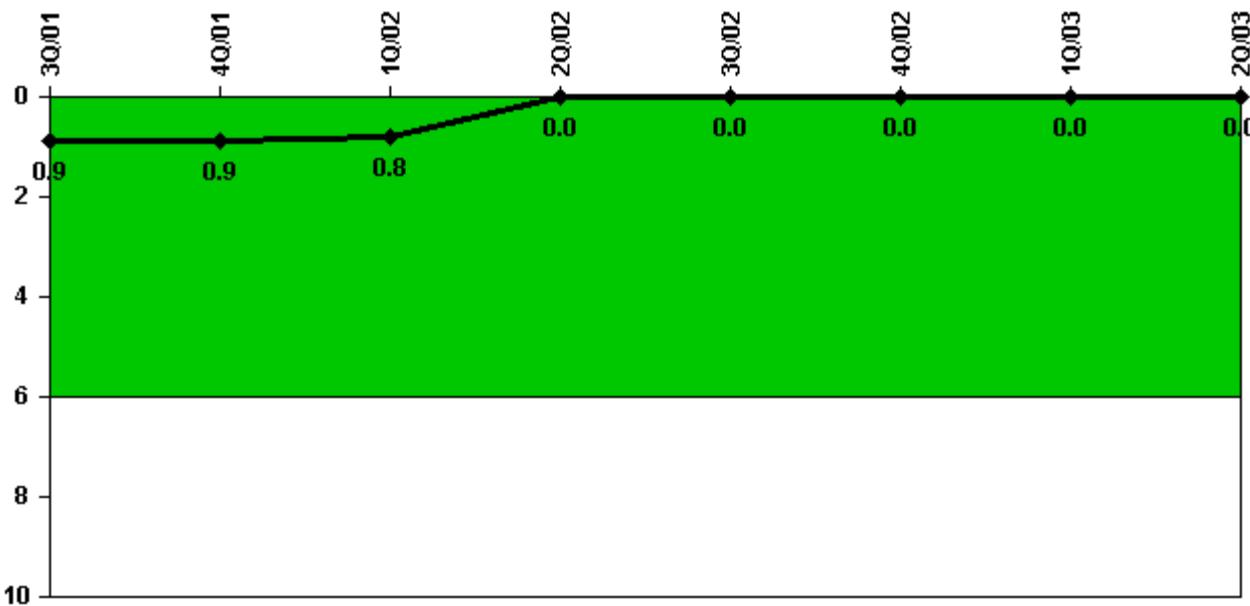
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

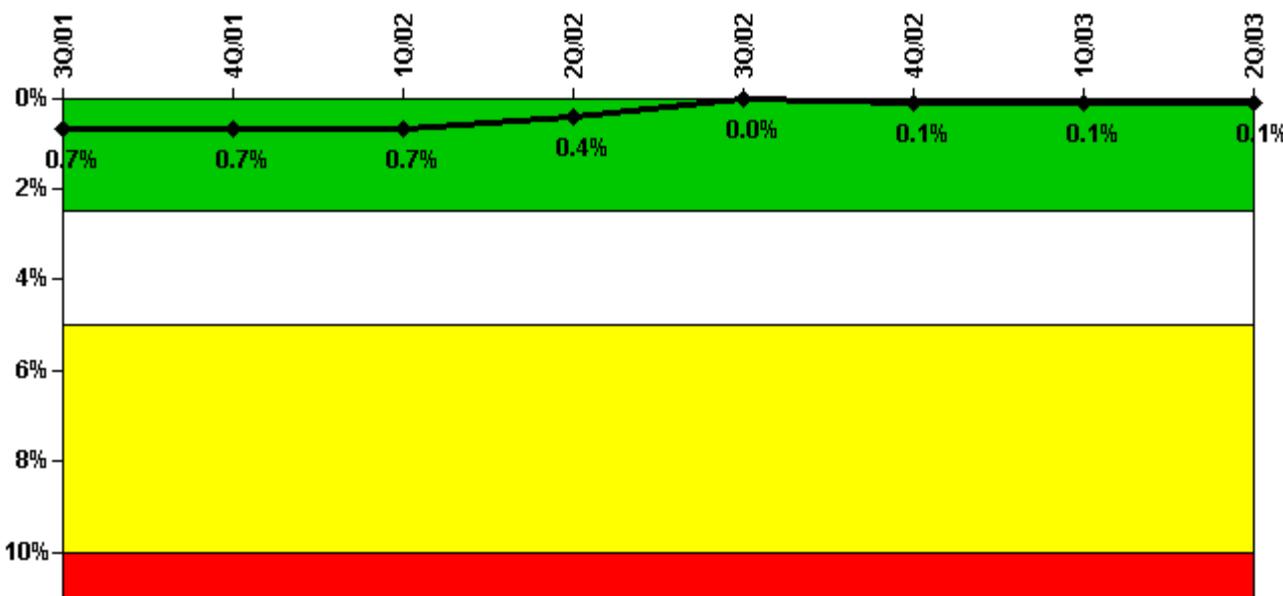
Thresholds: White > 6.0

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	0	0	0	0	0	0	0	0
Critical hours	2187.3	2209.0	2160.0	2183.0	2208.0	1289.2	2160.0	2183.0
Indicator value	0.9	0.9	0.8	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



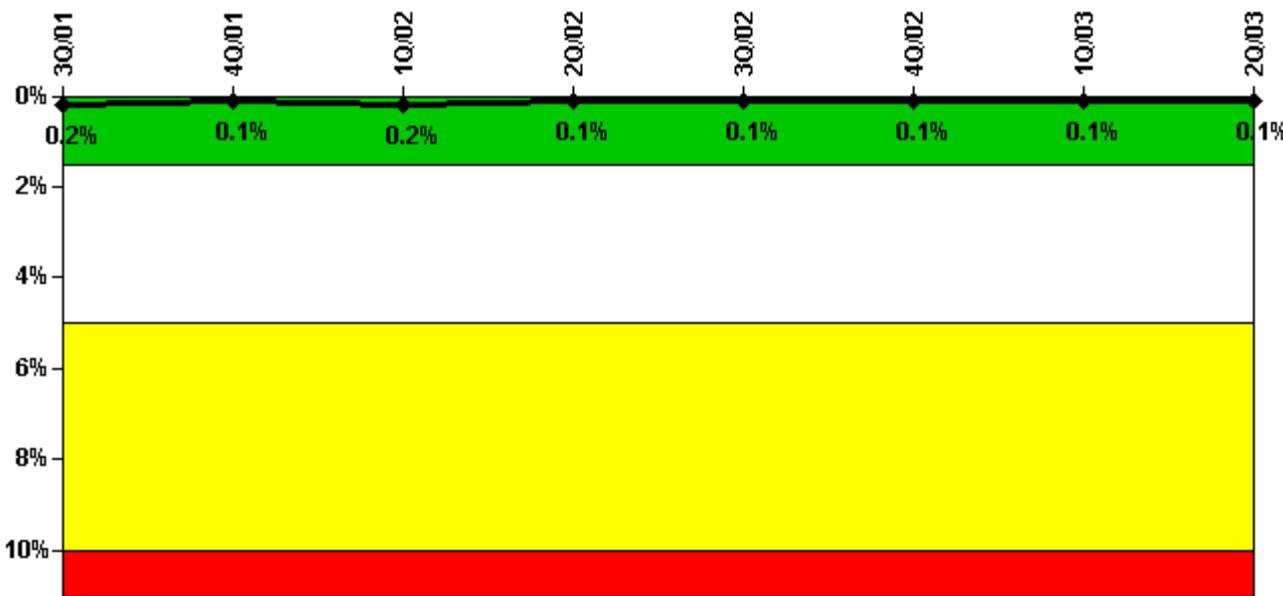
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	1.03	0.90	0.82	1.02	0.62	3.03	21.40	3.38
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	1.87	0.77	1.17	0.75	0.97	7.82	0.50	0.91
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	0.7%	0.7%	0.7%	0.4%	0%	0.1%	0.1%	0.1%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



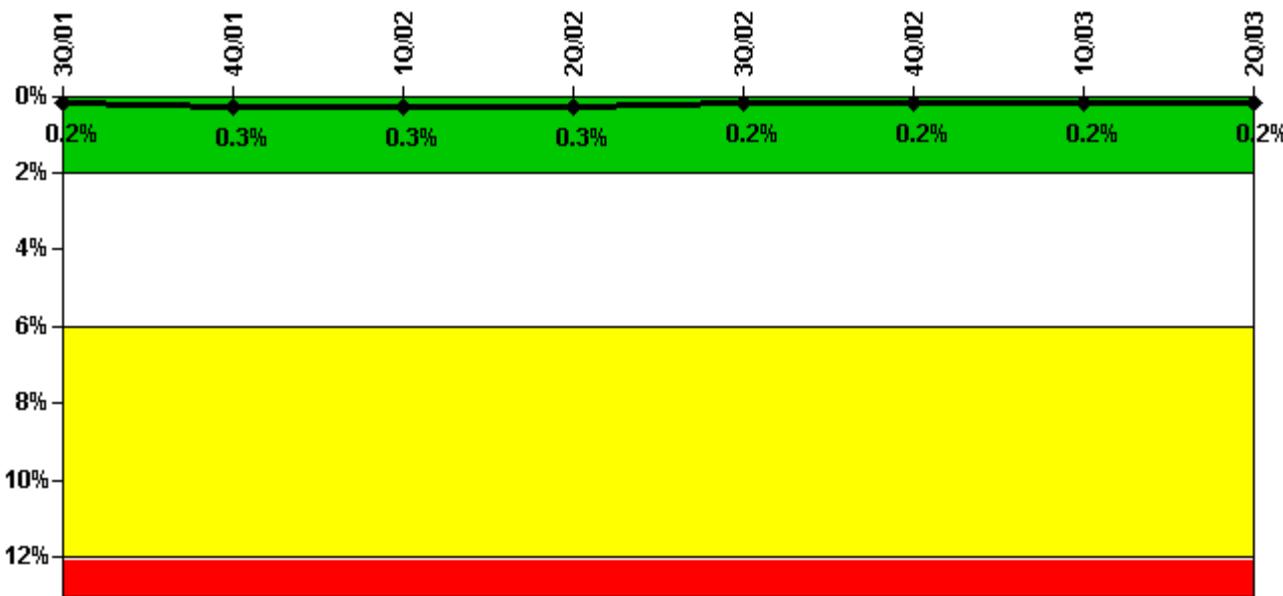
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	7.85	3.55	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2187.30	2209.00	2160.00	2183.00	2208.00	1289.20	2160.00	2183.00
Train 2								
Planned unavailable hours	0	0	13.30	0	0	0	0	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	2187.30	2209.00	2160.00	2183.00	2208.00	1289.20	2160.00	2183.00
Indicator value	0.2%	0.1%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



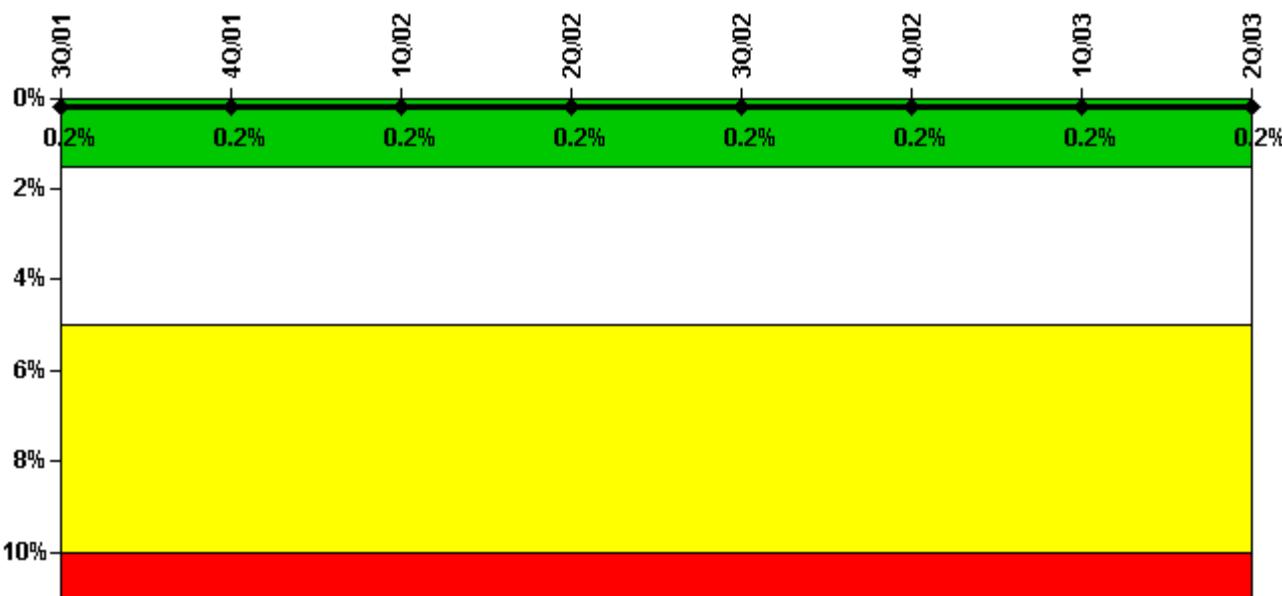
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	0	15.20	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	1343.60	2160.00	2183.00
Train 2								
Planned unavailable hours	0	9.15	0	0	0	0	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	2208.00	2209.00	2160.00	2183.00	2208.00	1416.70	2160.00	2183.00
Indicator value	0.2%	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

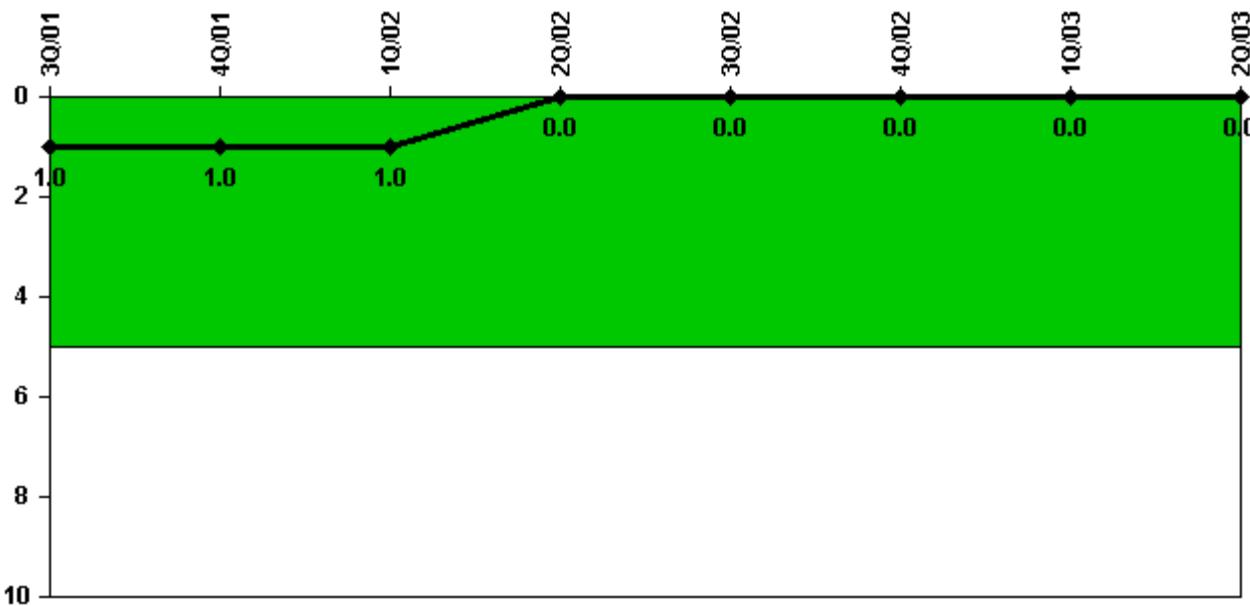


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	0	10.60	0	0	0	19.50	0	19.30
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	0	0	15.10	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	0.2%							

Licensee Comments: none

Safety System Functional Failures (PWR)

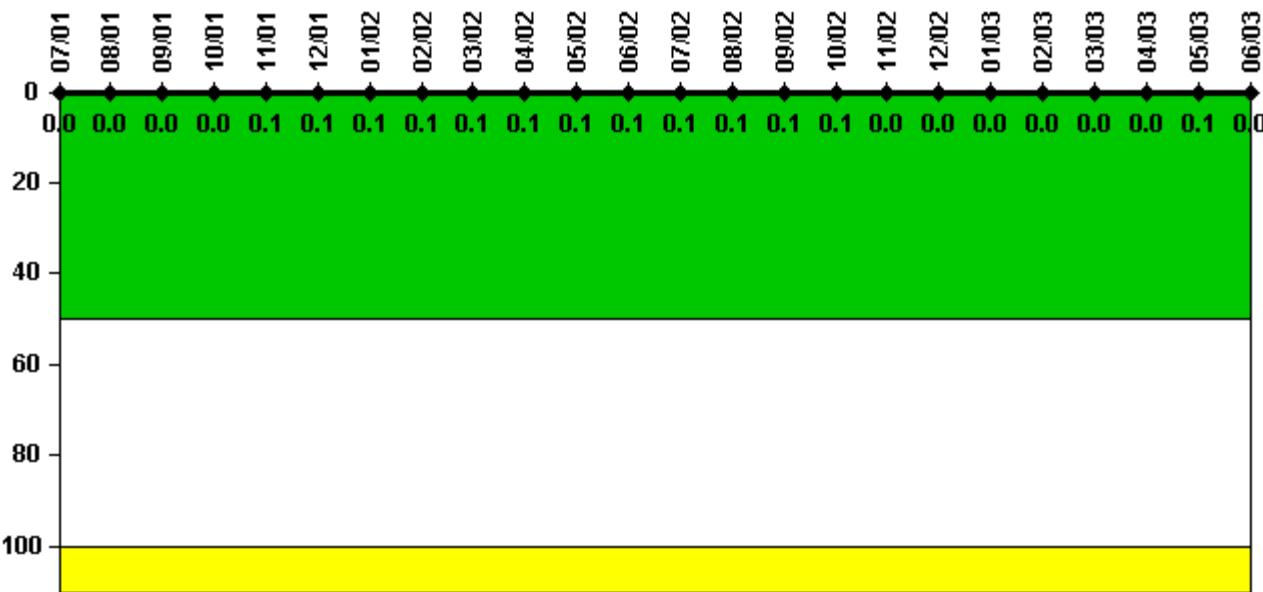
Thresholds: White > 5.0

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	1	1	1	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

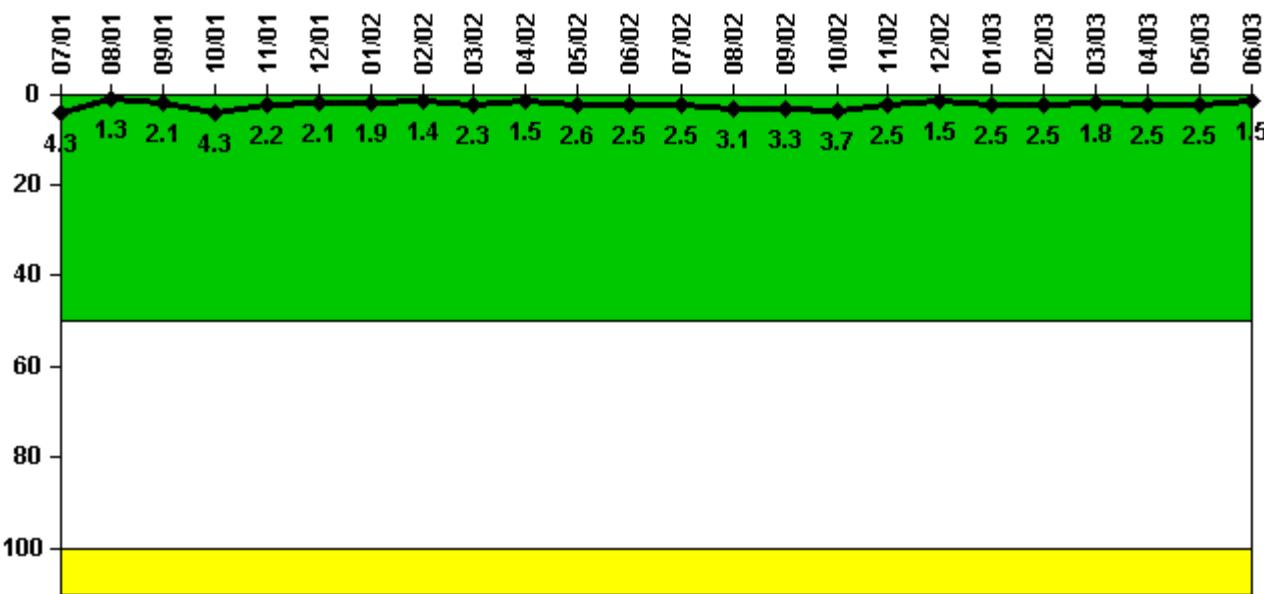
Notes

Reactor Coolant System Activity	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	0.001450	0.001530	0.001570	0.001690	0.001770	0.001850	0.001870	0.001910	0.002070	0.002140	0.002220	0.002200
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	0.002210	0.002340	0.002340	0.005180	0.000930	0.000958	0.001060	0.001090	0.001120	0.001220	0.003790	0.001450
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0.1	0

Licensee Comments: none

Reactor Coolant System Leakage



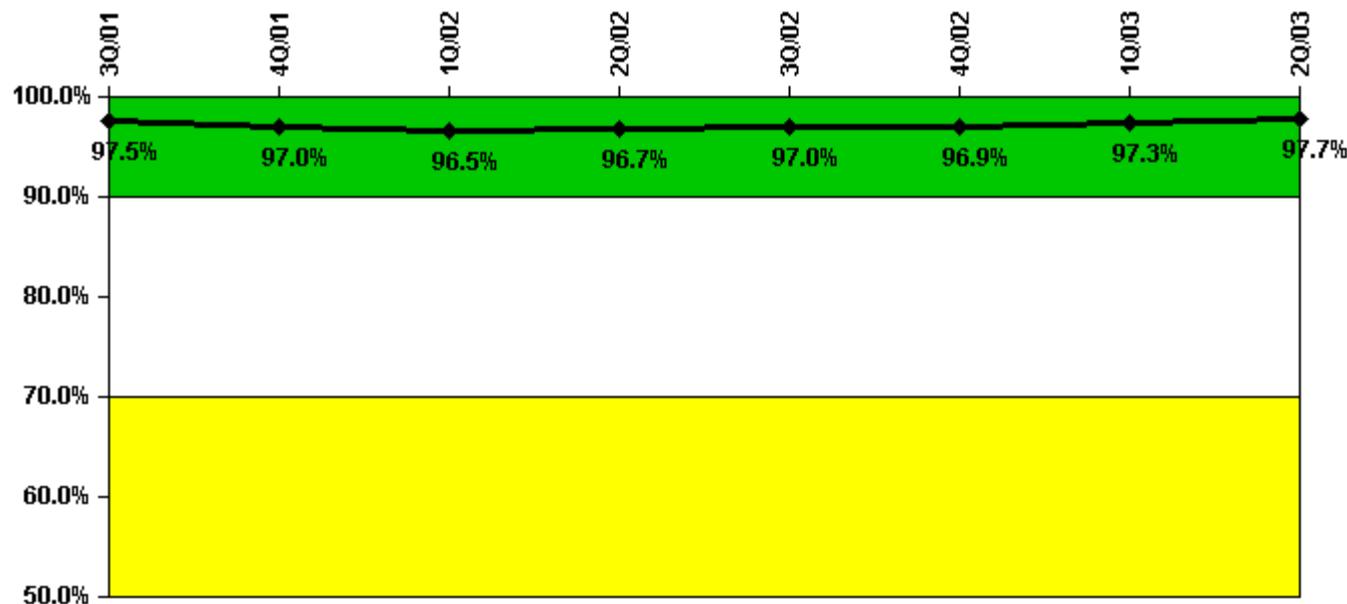
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.431	0.130	0.208	0.425	0.220	0.210	0.193	0.136	0.229	0.148	0.259	0.253
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	4.3	1.3	2.1	4.3	2.2	2.1	1.9	1.4	2.3	1.5	2.6	2.5

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	0.248	0.311	0.331	0.372	0.252	0.151	0.252	0.253	0.181	0.245	0.252	0.151
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	2.5	3.1	3.3	3.7	2.5	1.5	2.5	2.5	1.8	2.5	2.5	1.5

Licensee Comments: none

Drill/Exercise Performance

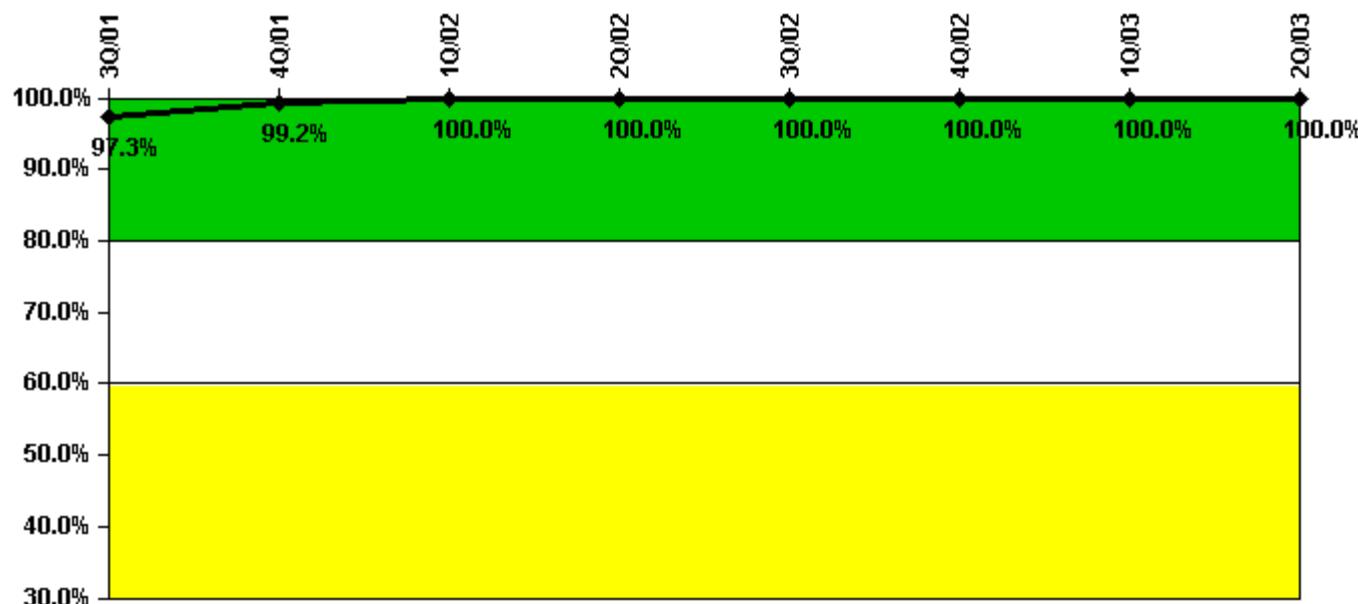
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Successful opportunities	161.0	60.0	71.0	60.0	69.0	38.0	45.0	78.0
Total opportunities	165.0	64.0	73.0	61.0	69.0	39.0	46.0	79.0
Indicator value	97.5%	97.0%	96.5%	96.7%	97.0%	96.9%	97.3%	97.7%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

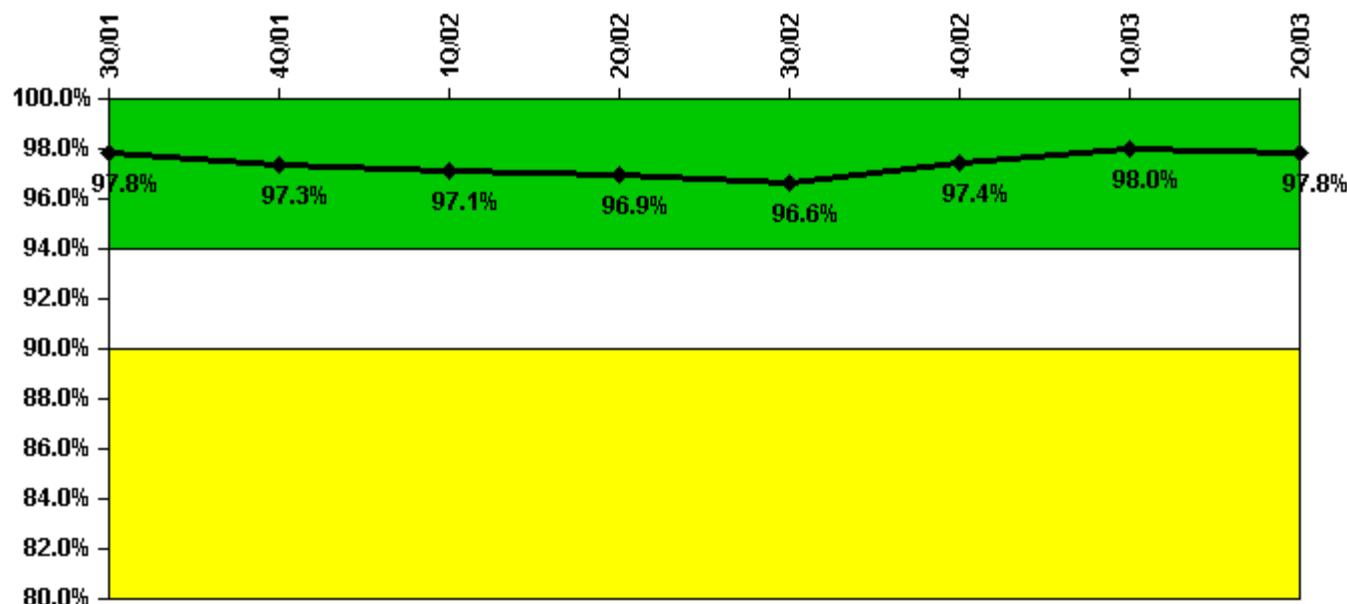
Notes

ERO Drill Participation	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Participating Key personnel	108.0	120.0	123.0	123.0	129.0	126.0	117.0	123.0
Total Key personnel	111.0	121.0	123.0	123.0	129.0	126.0	117.0	123.0
Indicator value	97.3%	99.2%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments:

2Q/03: During a second quarter 2003 audit, it was determined that the second quarter 2002 ERO Drill Participation numbers should have been 123 participated of 123 total, not the 125 of 125 that was originally reported. The second quarter 2002 data has been revised.

2Q/02: During a second quarter 2003 audit, it was determined that the second quarter 2002 ERO Drill Participation numbers should have been 123 participated of 123 total, not the 125 of 125 that was originally reported.

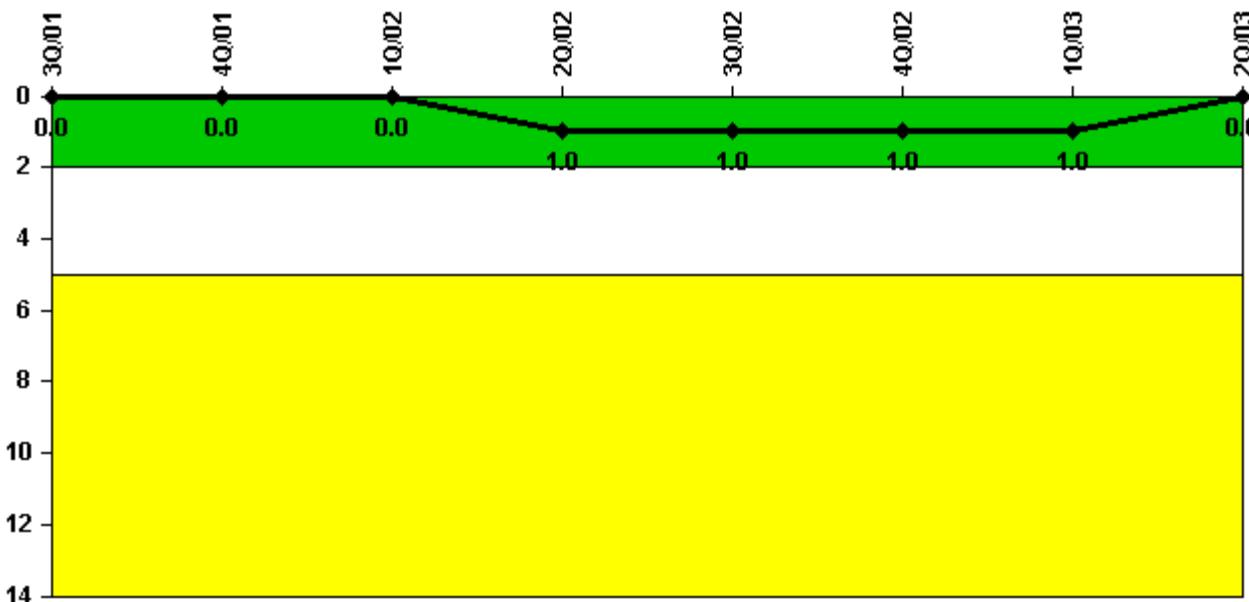
Alert & Notification System

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	144	139	143	144	142	144	146	143
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	97.8%	97.3%	97.1%	96.9%	96.6%	97.4%	98.0%	97.8%

Licensee Comments: none

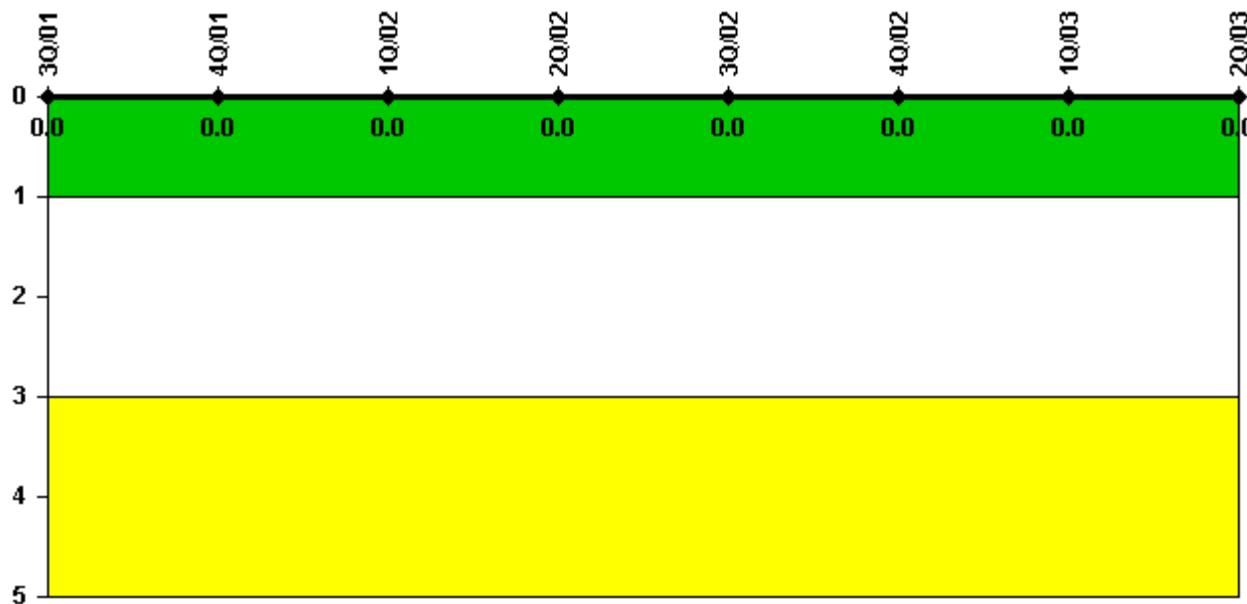
Occupational Exposure Control Effectiveness

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

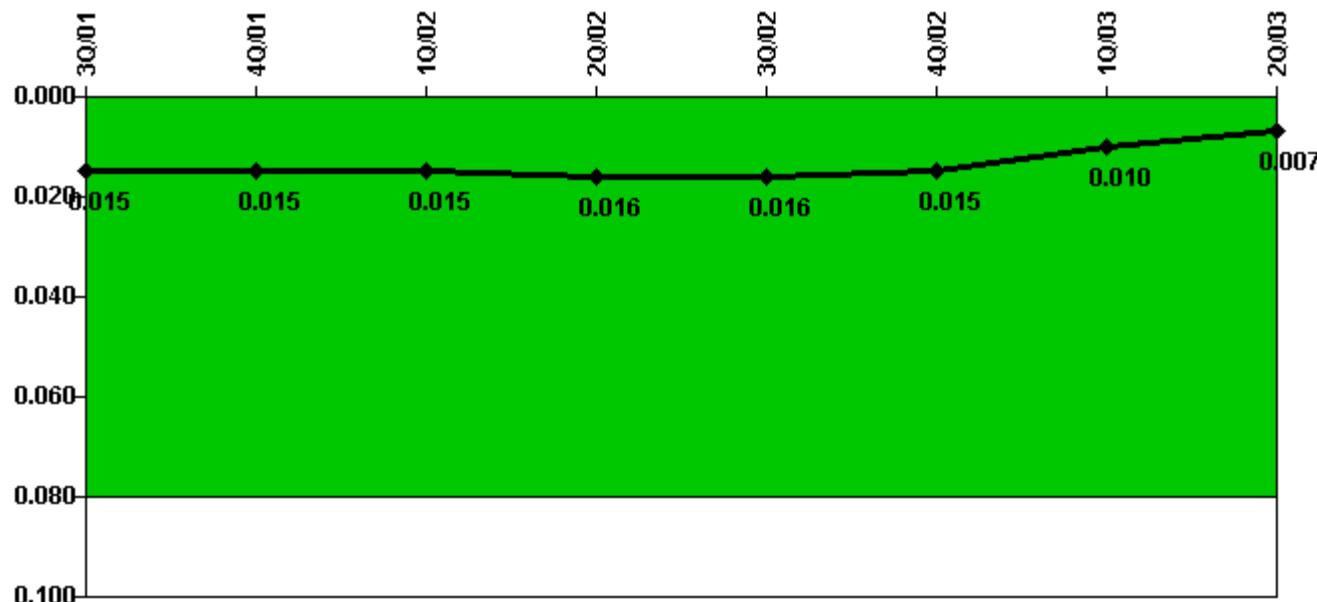
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

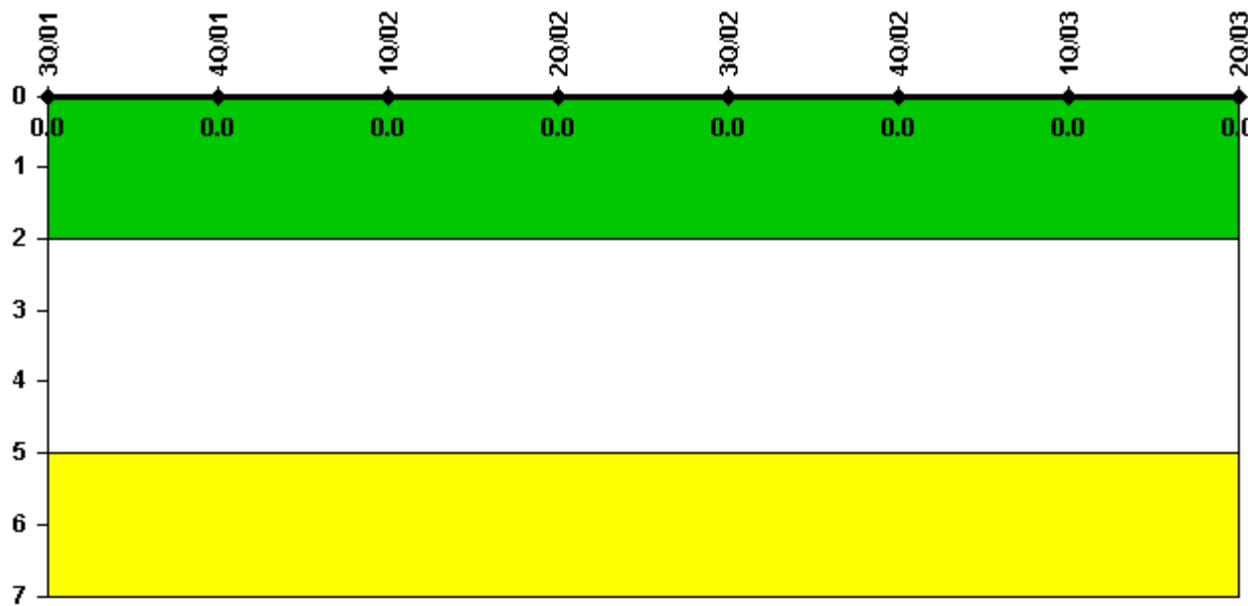


Thresholds: White > 0.080

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	115.20	29.40	213.10	91.20	107.20	20.30	47.40	25.90
CCTV compensatory hours	13.7	1.5	0	2.6	14.1	0	0	0
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	0.015	0.015	0.015	0.016	0.016	0.015	0.010	0.007

Licensee Comments: none

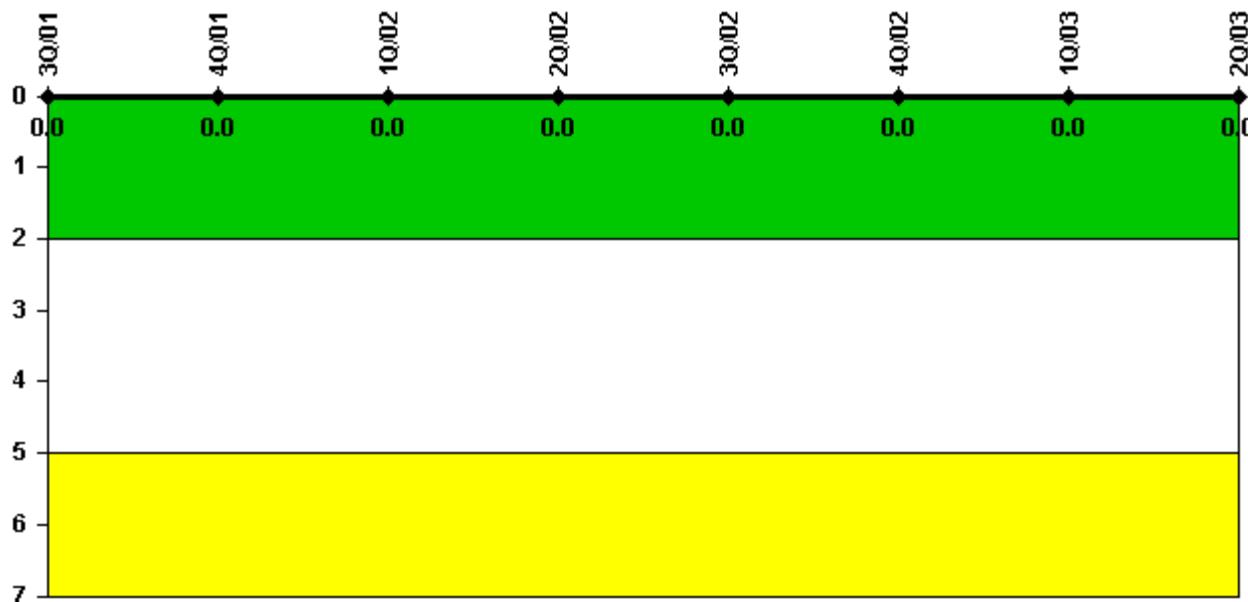
Personnel Screening Program

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



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Last Modified: July 22, 2003

Arkansas Nuclear 1

3Q/2003 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

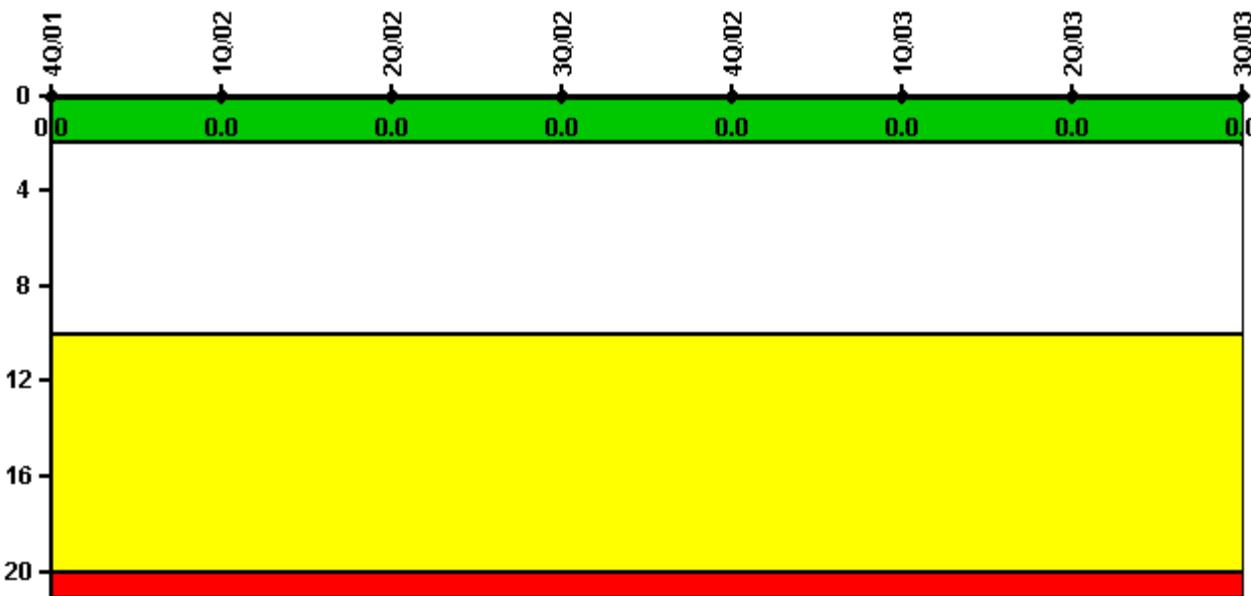


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	1.0	0	0	1.0
Critical hours	2209.0	2160.0	2183.0	2208.0	1289.2	2160.0	2183.0	2174.9
Indicator value	1.7	0.8	0.8	0	0.9	0.9	0.9	1.8

Licensee Comments: none

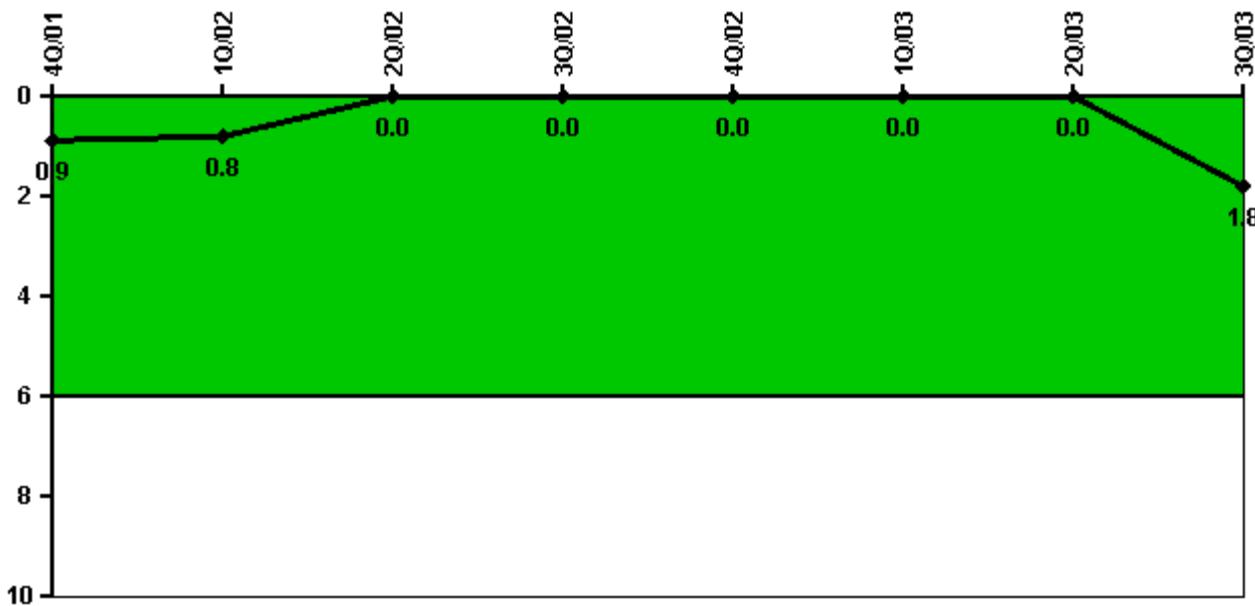
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

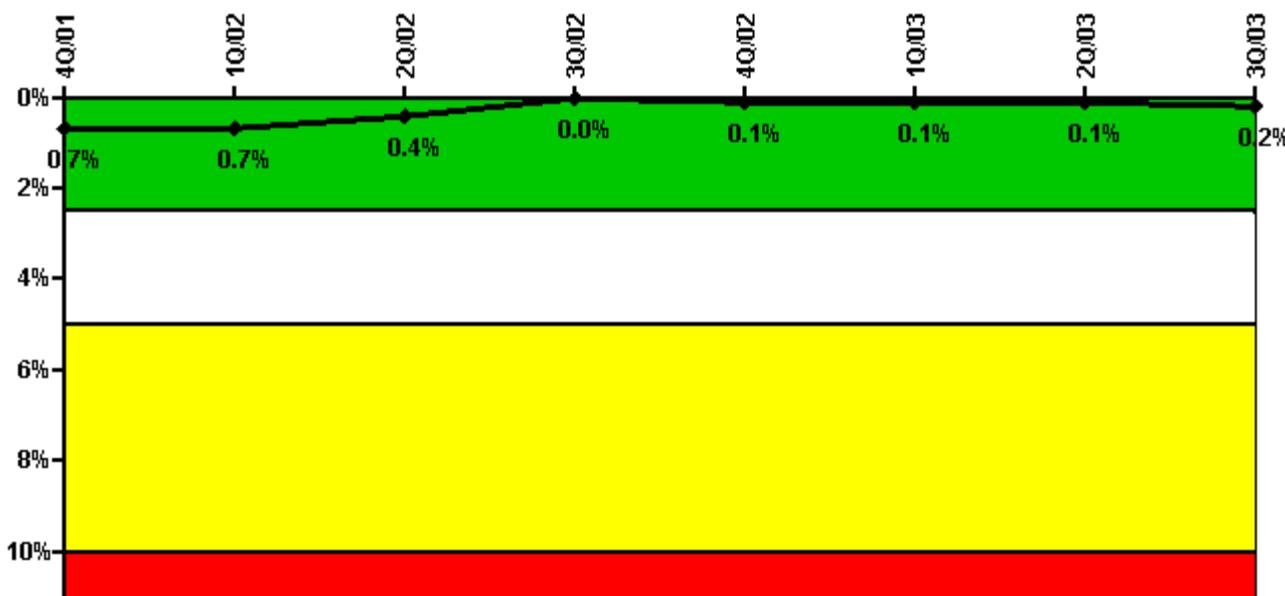
Thresholds: White > 6.0

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	2.0
Critical hours	2209.0	2160.0	2183.0	2208.0	1289.2	2160.0	2183.0	2174.9
Indicator value	0.9	0.8	0	0	0	0	0	1.8

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



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

Notes

Safety System Unavailability, Emergency AC Power	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	0.90	0.82	1.02	0.62	3.03	21.40	3.38	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	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0.77	1.17	0.75	0.97	7.82	0.50	0.91	24.30
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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	0.7%	0.7%	0.4%	0%	0.1%	0.1%	0.1%	0.2%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



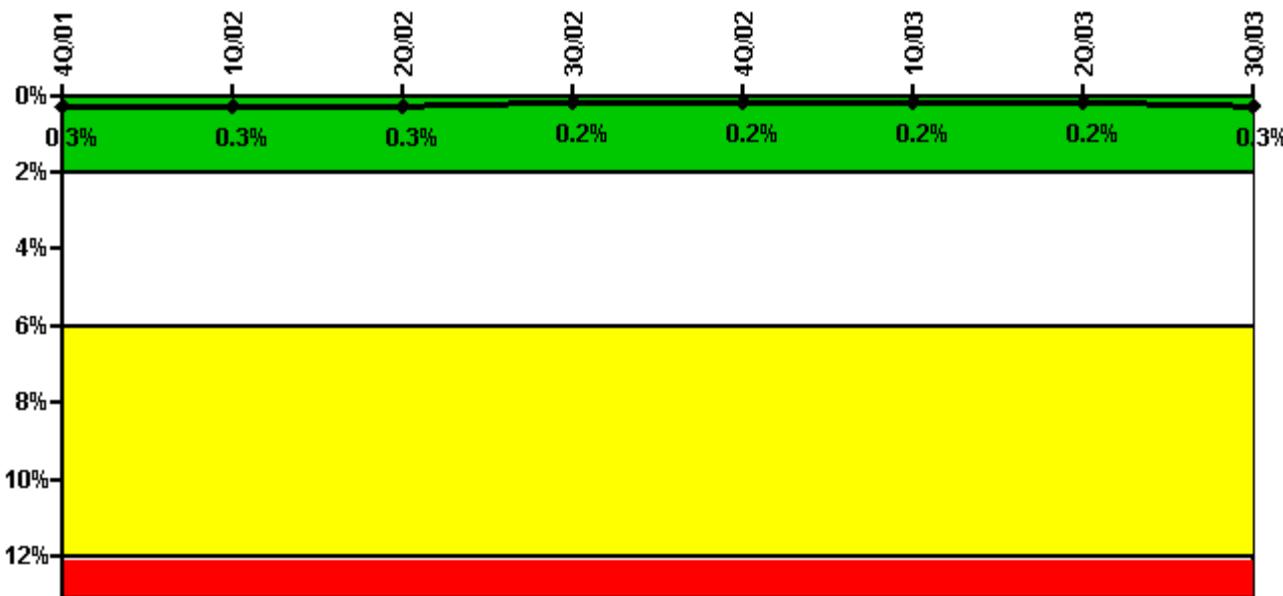
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	7.85	3.55	0	0	0	0	0	16.80
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	1289.20	2160.00	2183.00	2174.90
Train 2								
Planned unavailable hours	0	13.30	0	0	0	0	8.10	5.10
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	2183.00	2208.00	1289.20	2160.00	2183.00	2174.90
Indicator value	0.1%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



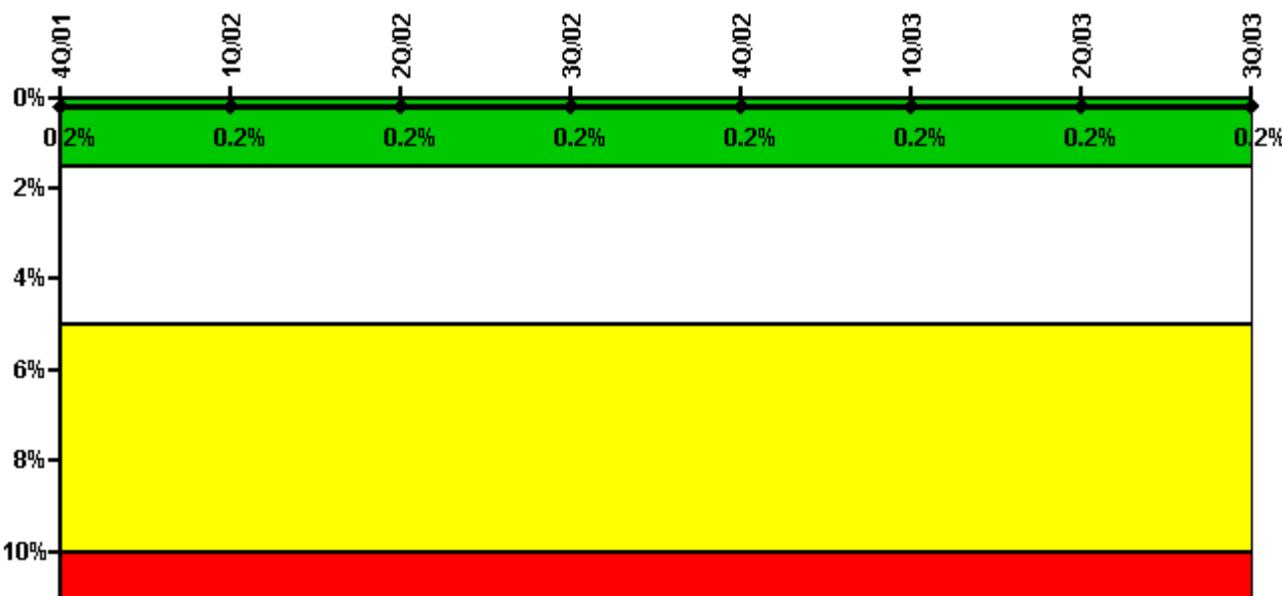
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	15.20	0	0	0	0	0	0	27.30
Unplanned unavailable hours	0	0	0	0	0	0	0	50.00
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	2183.00	2208.00	1343.60	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	9.15	0	0	0	0	0	10.60	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	1416.70	2160.00	2183.00	2208.00
Indicator value	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.3%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

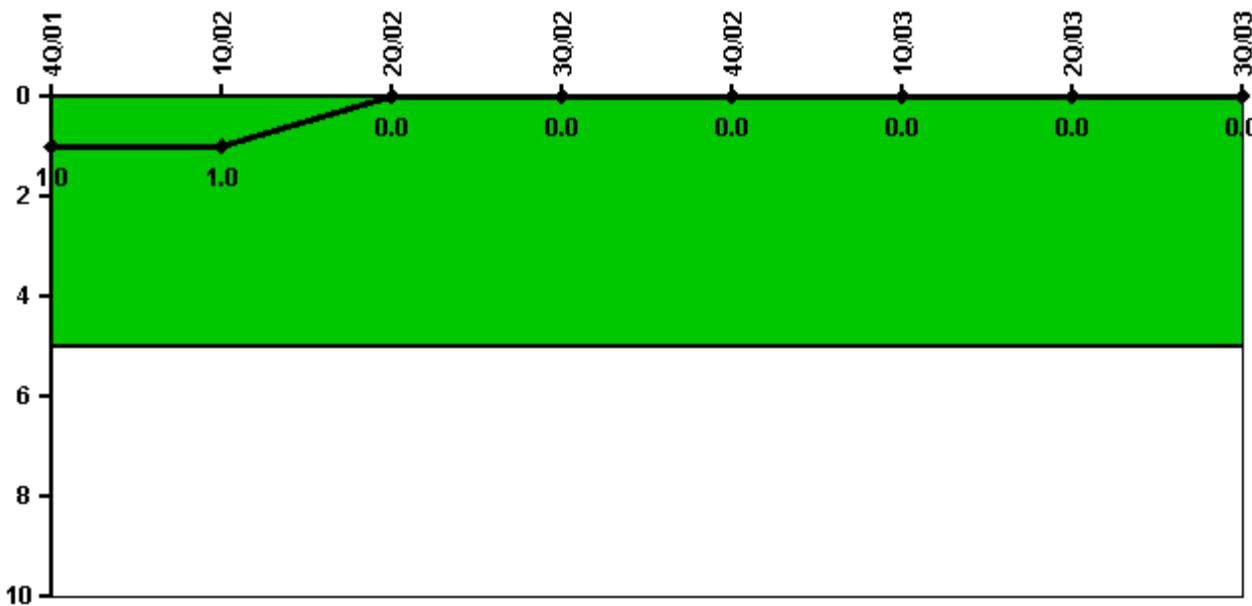


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	10.60	0	0	0	19.50	0	19.30	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0	15.10	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	0.2%							

Licensee Comments: none

Safety System Functional Failures (PWR)

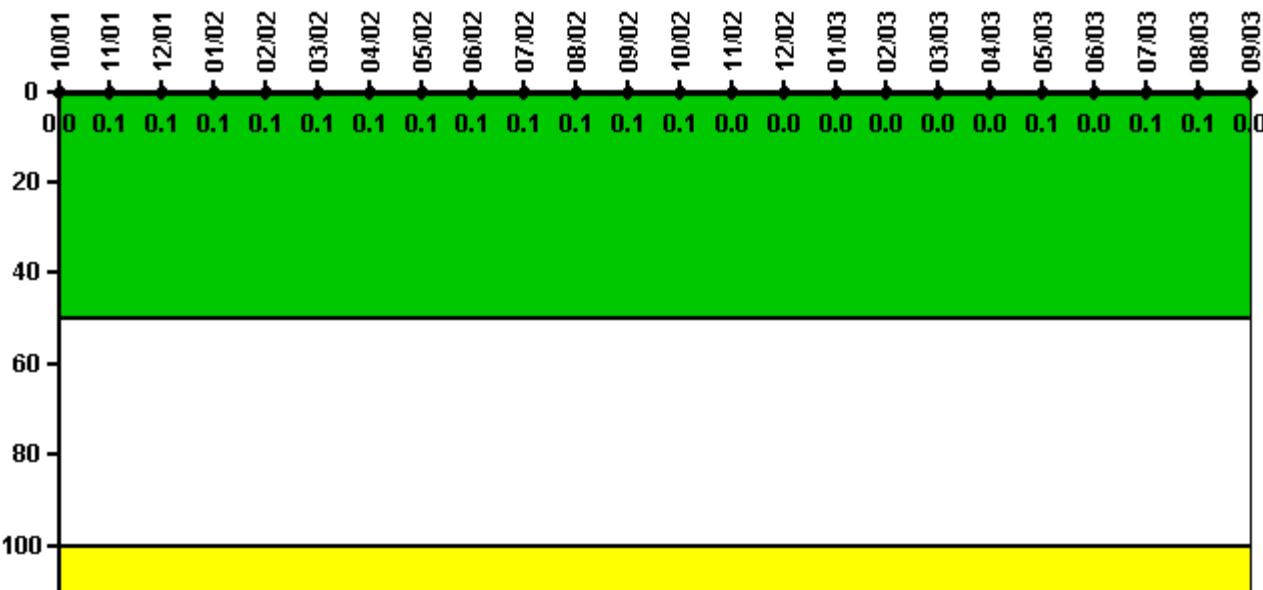
Thresholds: White > 5.0

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	1	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



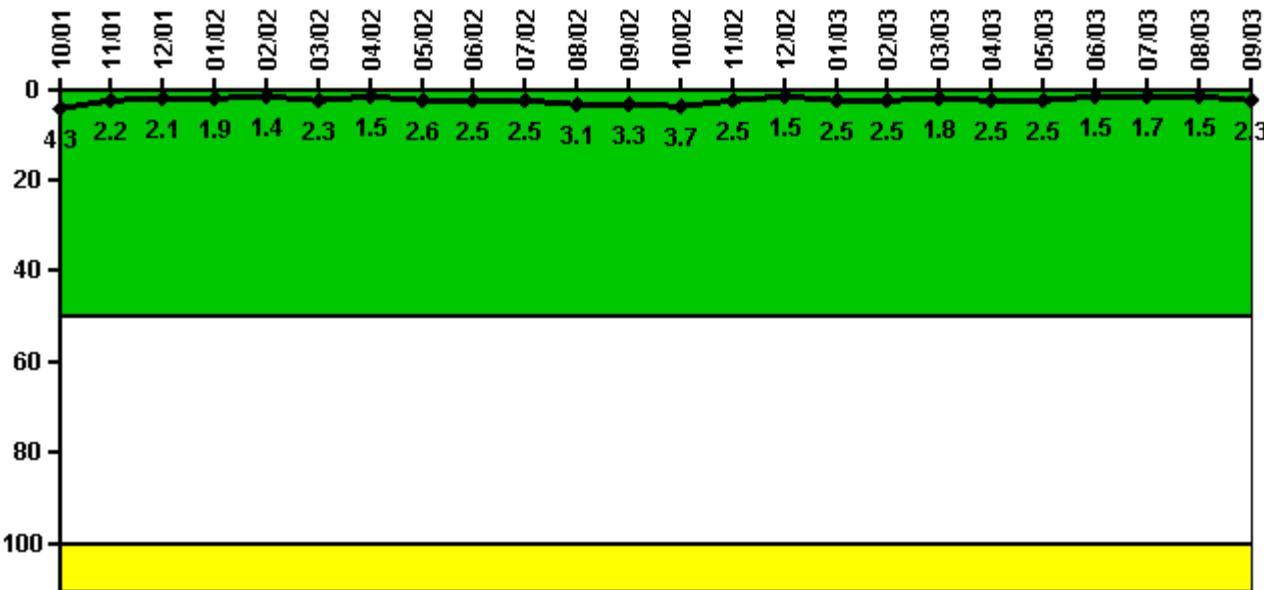
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.001690	0.001770	0.001850	0.001870	0.001910	0.002070	0.002140	0.002220	0.002200	0.002210	0.002340	0.002340
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	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	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum activity	0.005180	0.000930	0.000958	0.001060	0.001090	0.001120	0.001220	0.003790	0.001450	0.002070	0.002300	0.001670
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0	0	0	0	0	0	0.1	0	0.1	0.1	0

Licensee Comments: none

Reactor Coolant System Leakage



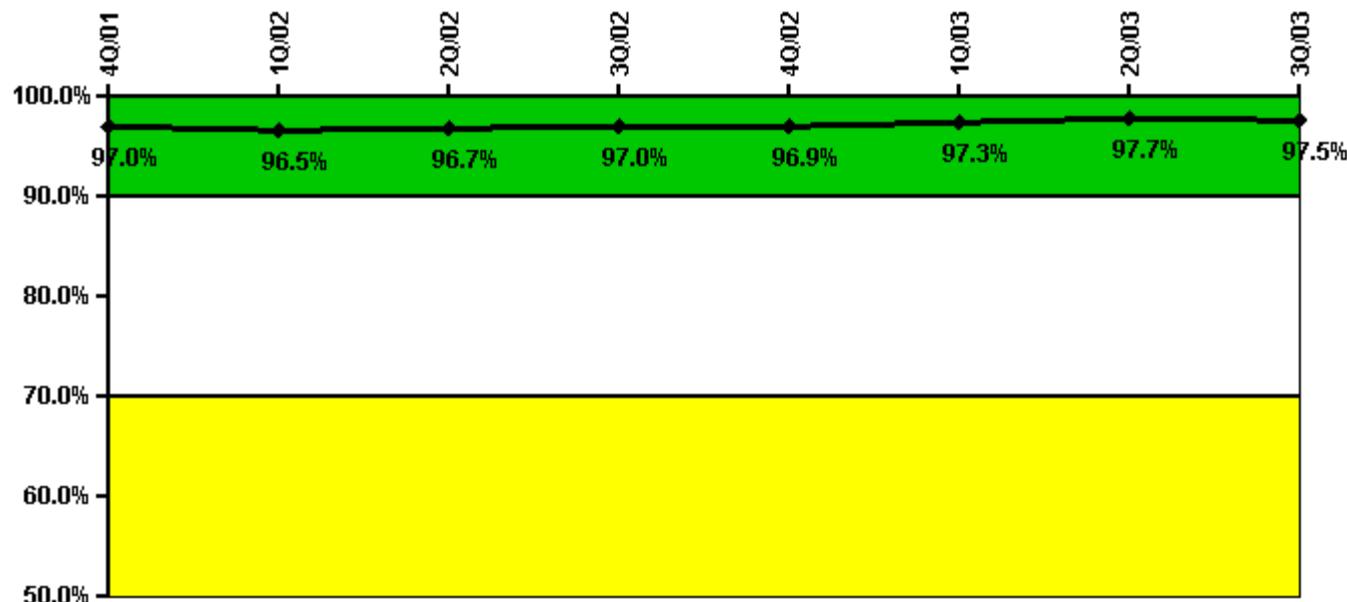
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum leakage	0.425	0.220	0.210	0.193	0.136	0.229	0.148	0.259	0.253	0.248	0.311	0.331
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	4.3	2.2	2.1	1.9	1.4	2.3	1.5	2.6	2.5	2.5	3.1	3.3

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	0.372	0.252	0.151	0.252	0.253	0.181	0.245	0.252	0.151	0.171	0.153	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	3.7	2.5	1.5	2.5	2.5	1.8	2.5	2.5	1.5	1.7	1.5	2.3

Licensee Comments: none

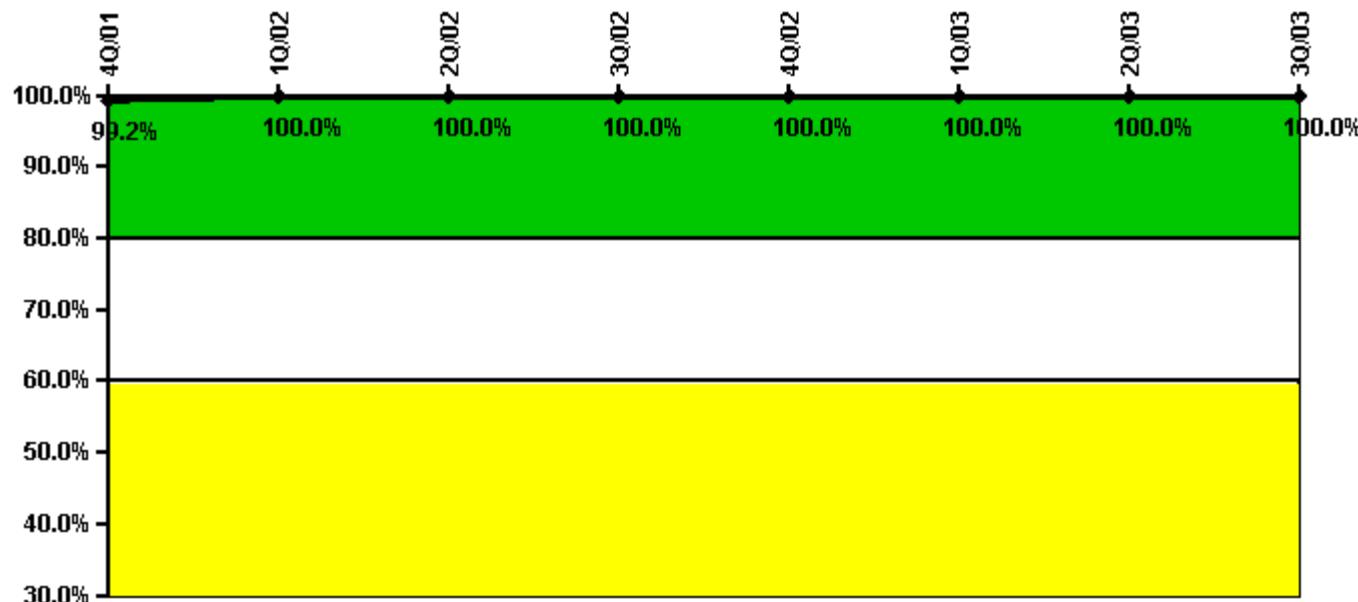
Drill/Exercise Performance

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	60.0	71.0	60.0	69.0	38.0	45.0	78.0	43.0
Total opportunities	64.0	73.0	61.0	69.0	39.0	46.0	79.0	45.0
Indicator value	97.0%	96.5%	96.7%	97.0%	96.9%	97.3%	97.7%	97.5%

Licensee Comments: none

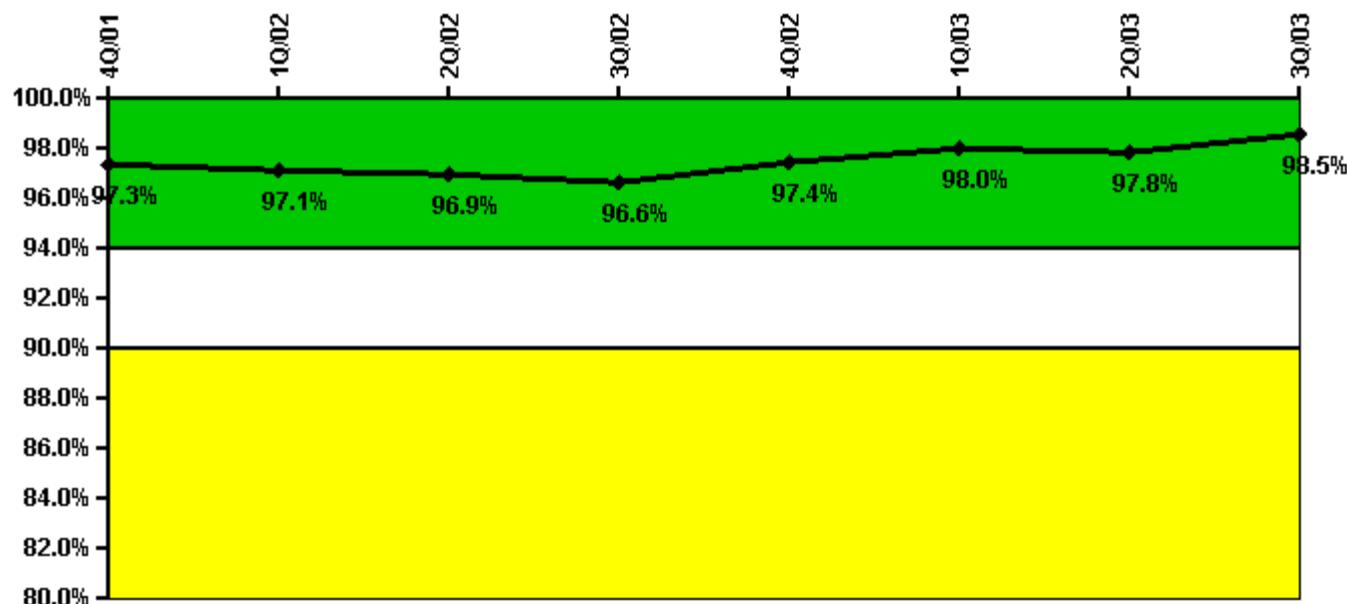
ERO Drill Participation

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	120.0	123.0	123.0	129.0	126.0	117.0	123.0	126.0
Total Key personnel	121.0	123.0	123.0	129.0	126.0	117.0	123.0	126.0
Indicator value	99.2%	100.0%						

Licensee Comments: none

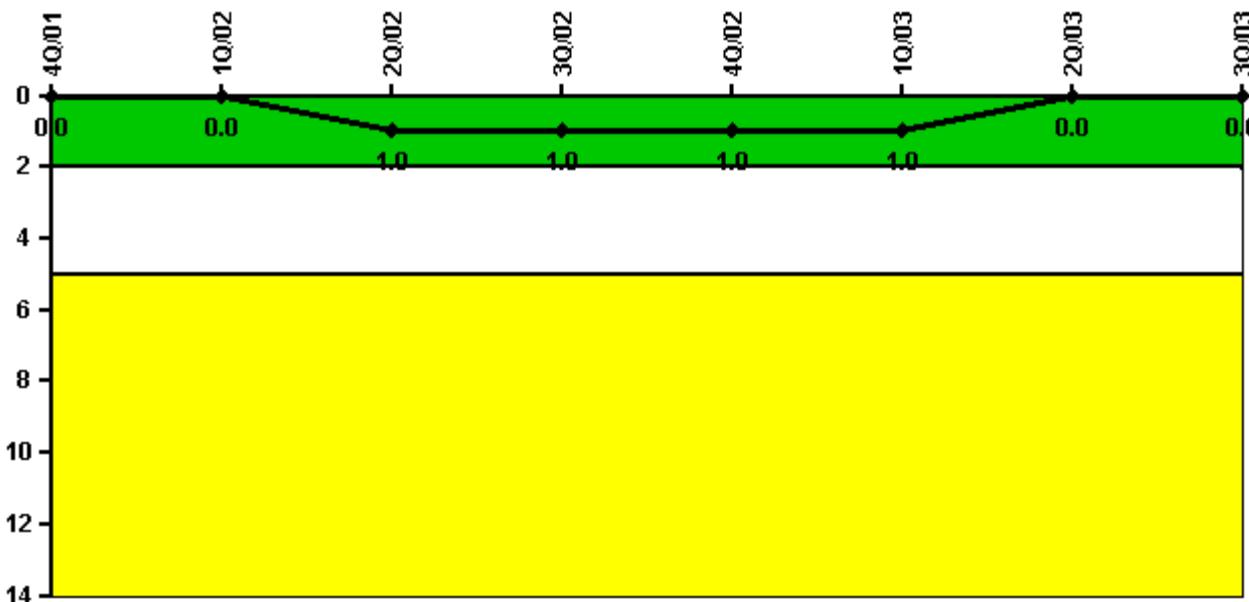
Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful siren-tests	139	143	144	142	144	146	143	146
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	97.3%	97.1%	96.9%	96.6%	97.4%	98.0%	97.8%	98.5%

Licensee Comments: none

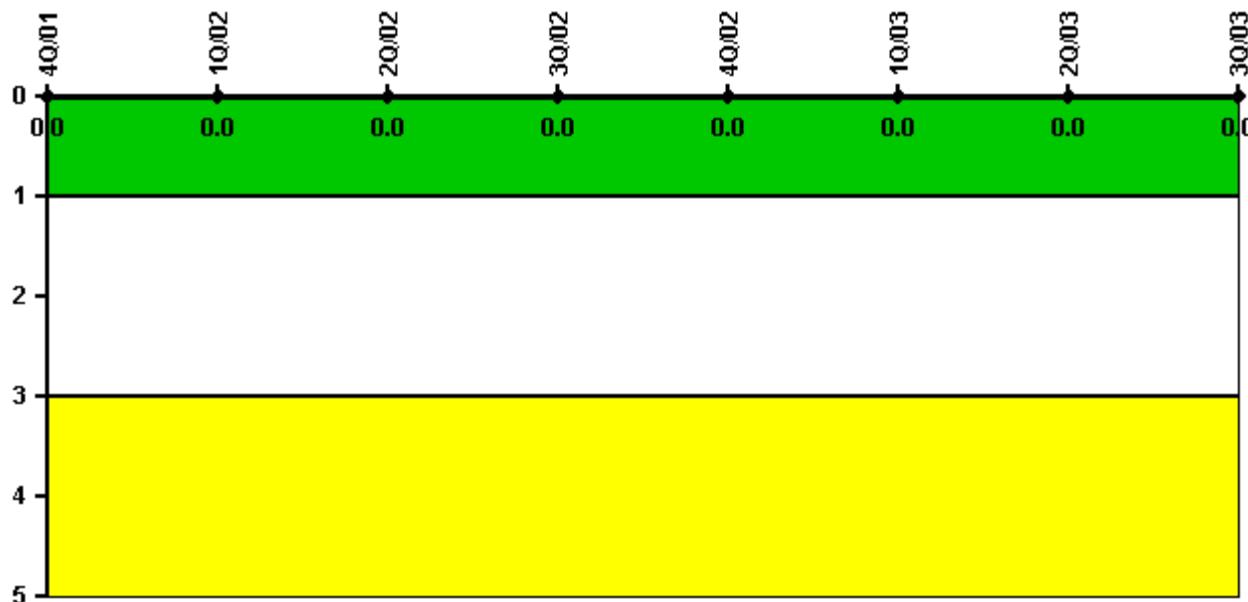
Occupational Exposure Control Effectiveness

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

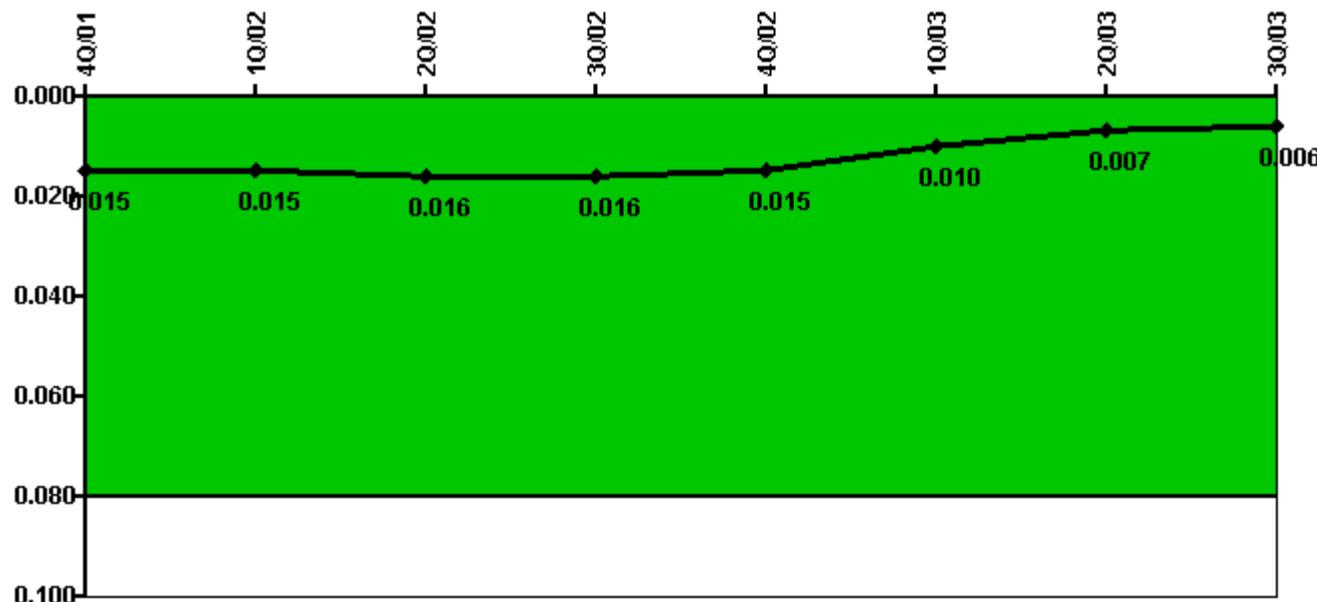
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/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

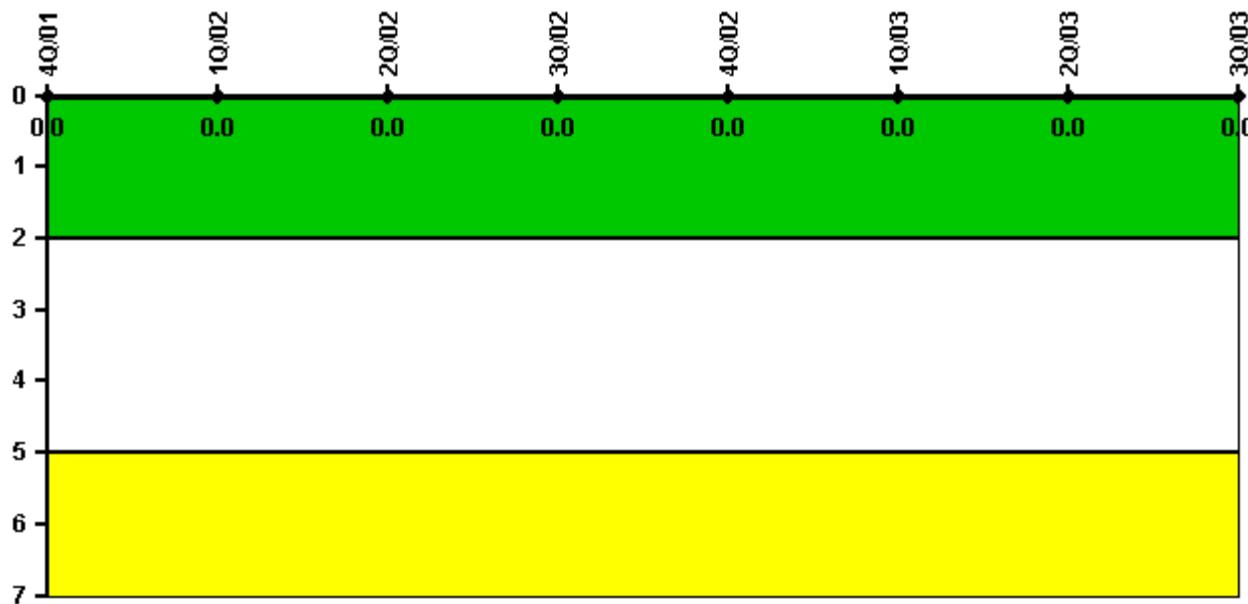


Thresholds: White > 0.080

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	29.40	213.10	91.20	107.20	20.30	47.40	25.90	15.10
CCTV compensatory hours	1.5	0	2.6	14.1	0	0	0	54.4
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	0.015	0.015	0.016	0.016	0.015	0.010	0.007	0.006

Licensee Comments: none

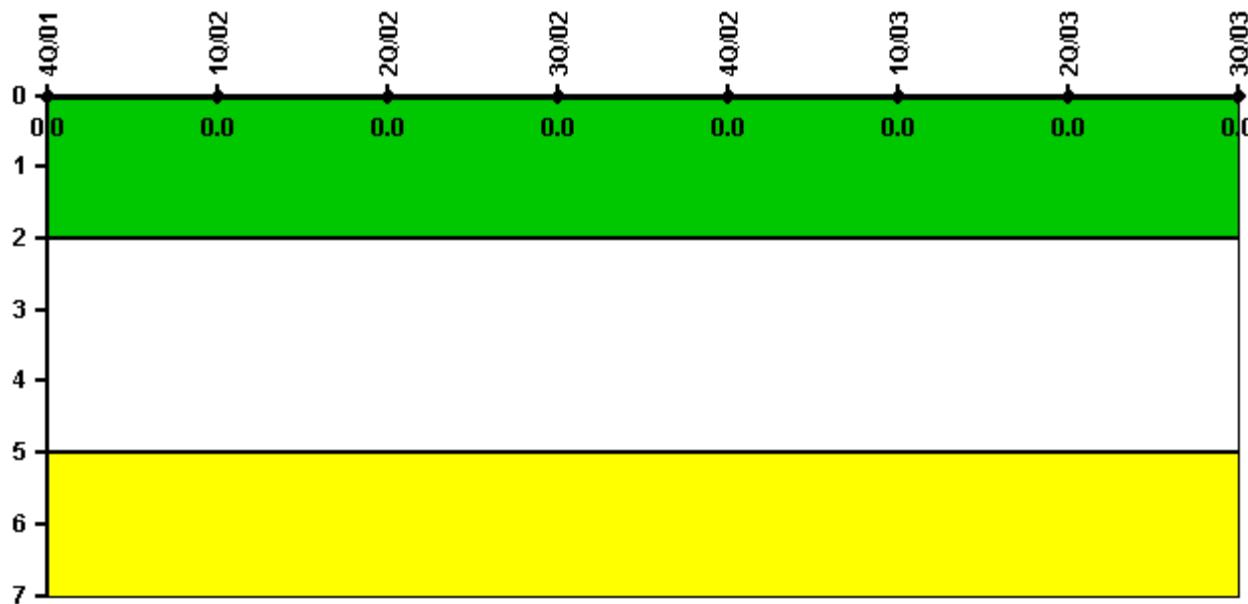
Personnel Screening Program

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



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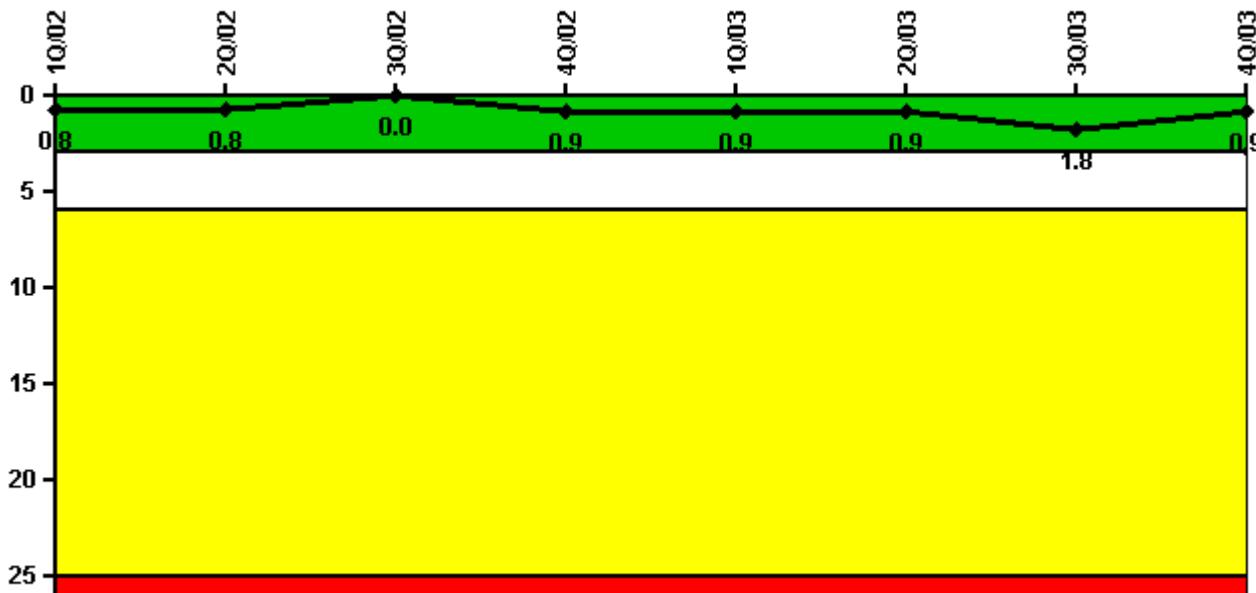
Last Modified: October 22, 2003

Arkansas Nuclear 1

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	0	0	1.0	0	0	1.0	0
Critical hours	2160.0	2183.0	2208.0	1289.2	2160.0	2183.0	2174.9	1613.5
Indicator value	0.8	0.8	0	0.9	0.9	0.9	1.8	0.9

Licensee Comments: none

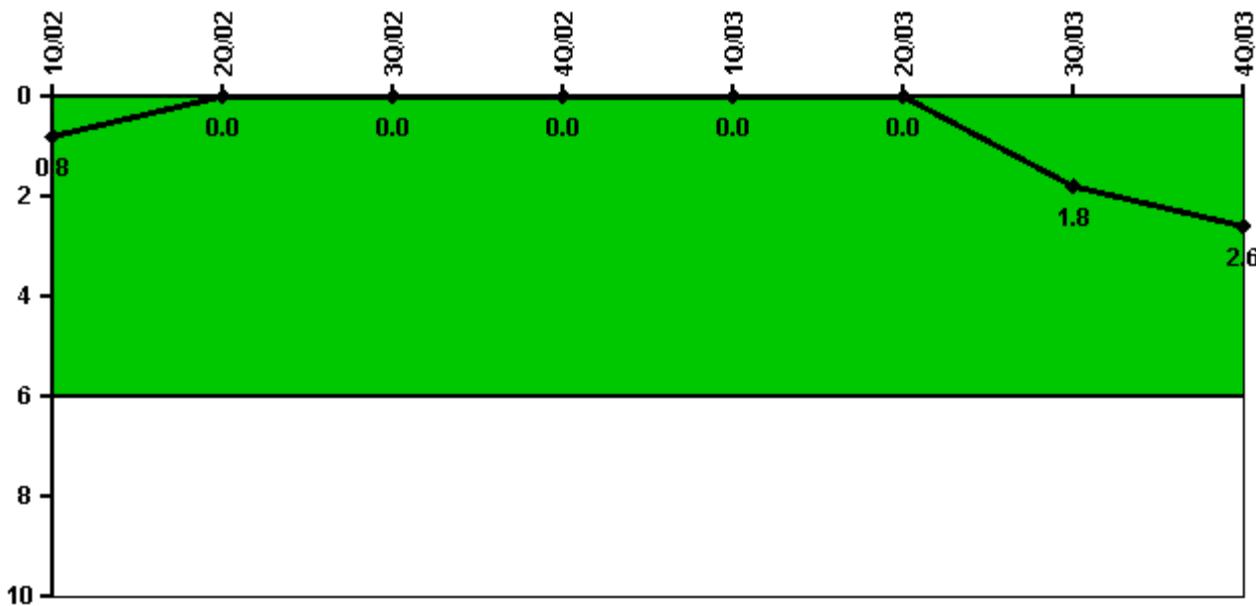
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

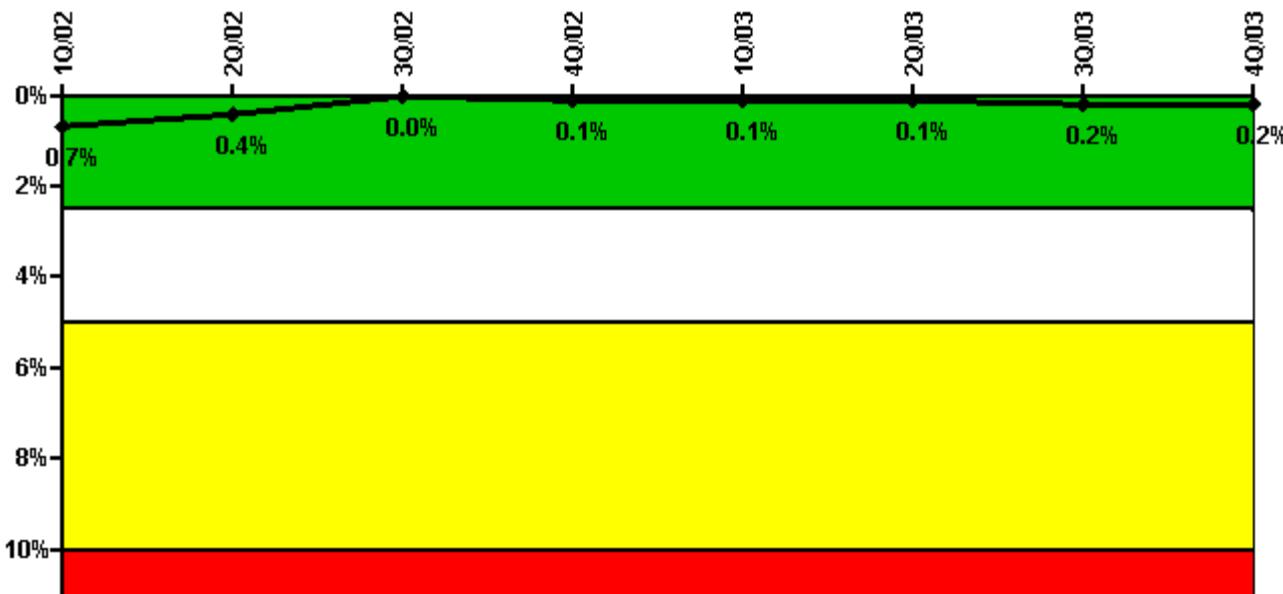
Thresholds: White > 6.0

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	2.0	1.0
Critical hours	2160.0	2183.0	2208.0	1289.2	2160.0	2183.0	2174.9	1613.5
Indicator value	0.8	0	0	0	0	0	1.8	2.6

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



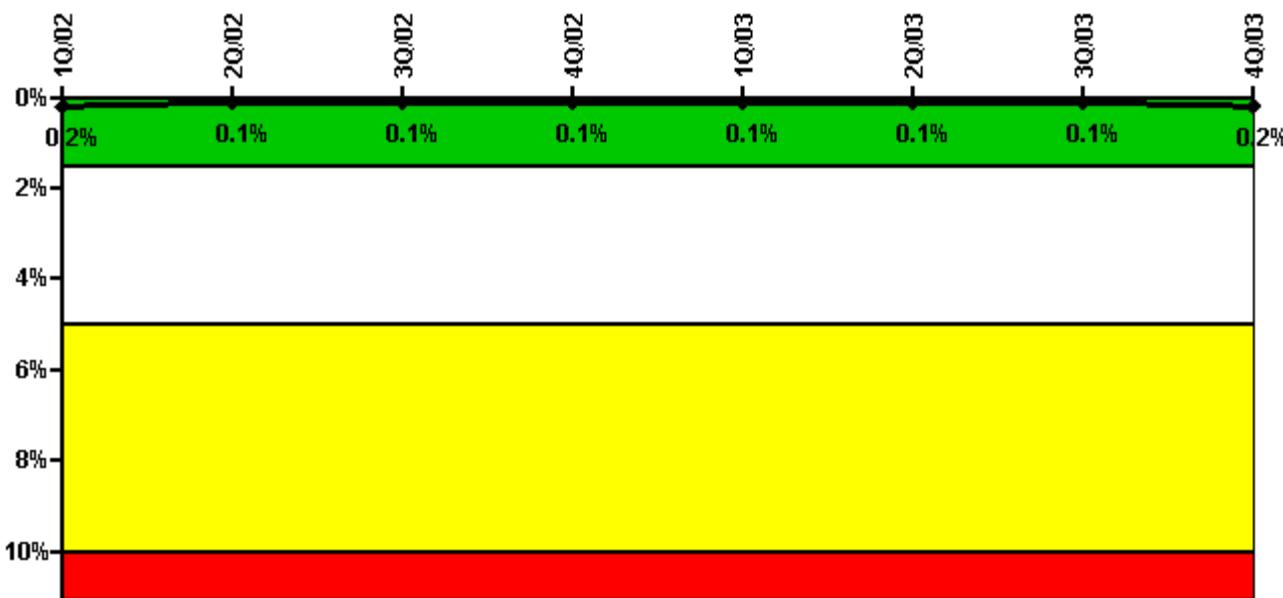
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	0.82	1.02	0.62	3.03	21.40	3.38	0.90	0.83
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	1.17	0.75	0.97	7.82	0.50	0.91	24.30	0.65
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	0.7%	0.4%	0%	0.1%	0.1%	0.1%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



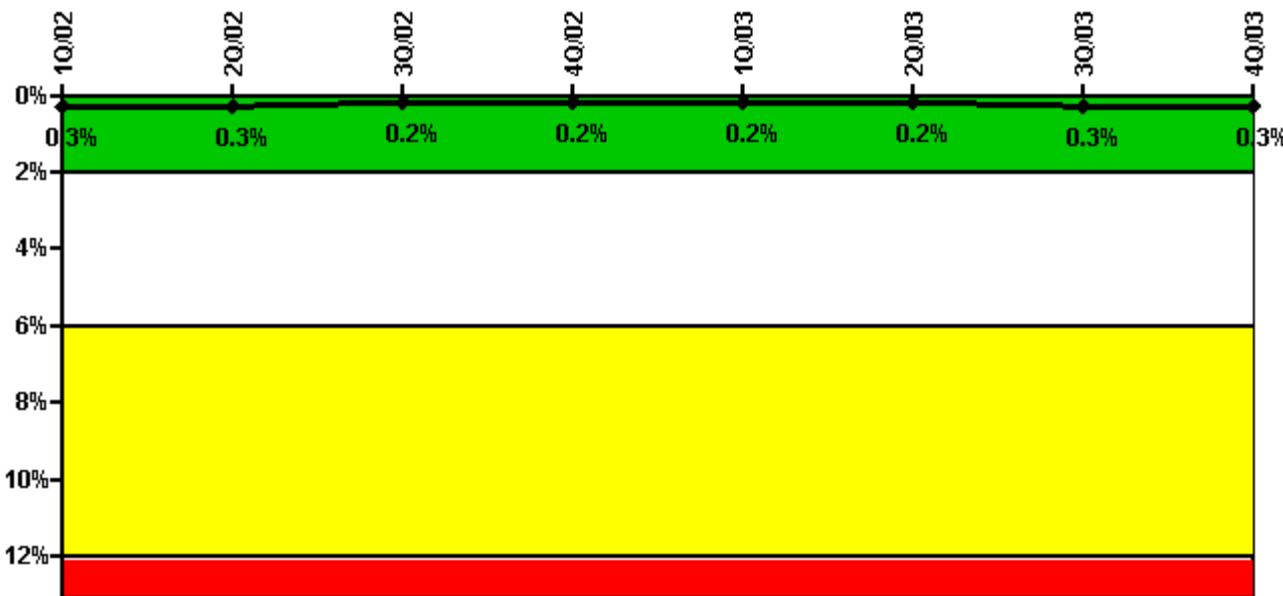
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	3.55	0	0	0	0	0	16.80	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	1289.20	2160.00	2183.00	2174.90	2209.00
Train 2								
Planned unavailable hours	13.30	0	0	0	0	8.10	5.10	36.87
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	1289.20	2160.00	2183.00	2174.90	2209.00
Indicator value	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



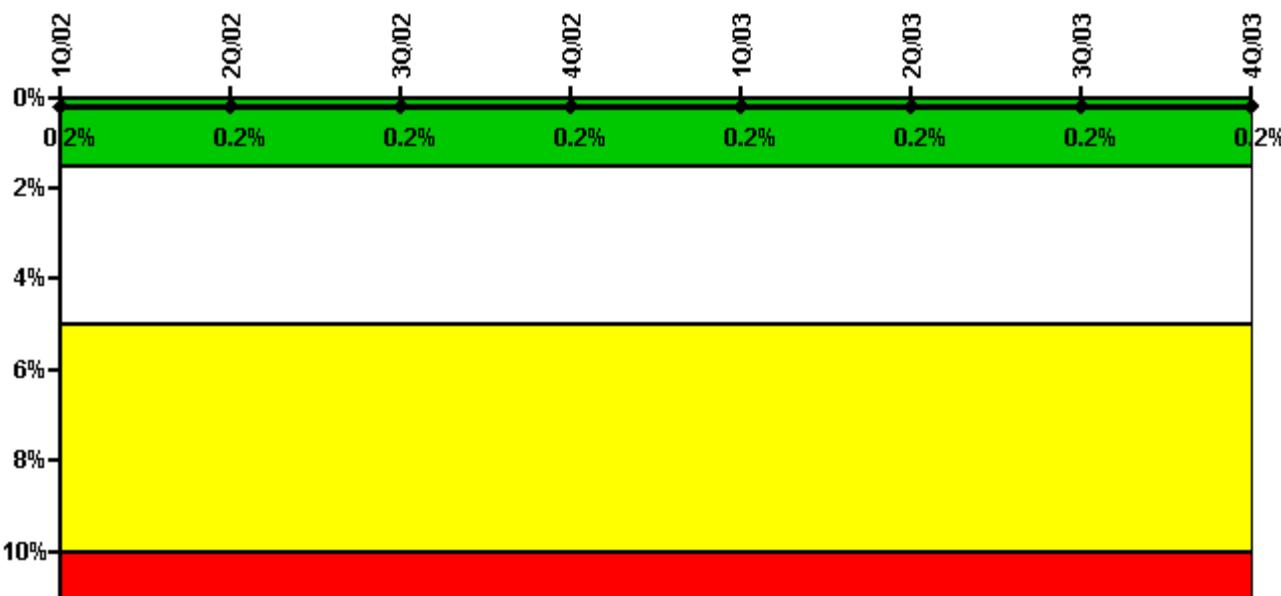
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	0	0	0	0	0	0	27.30	0
Unplanned unavailable hours	0	0	0	0	0	0	50.00	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	2183.00	2208.00	1343.60	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0	0	0	0	0	10.60	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	1416.70	2160.00	2183.00	2208.00	2209.00
Indicator value	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

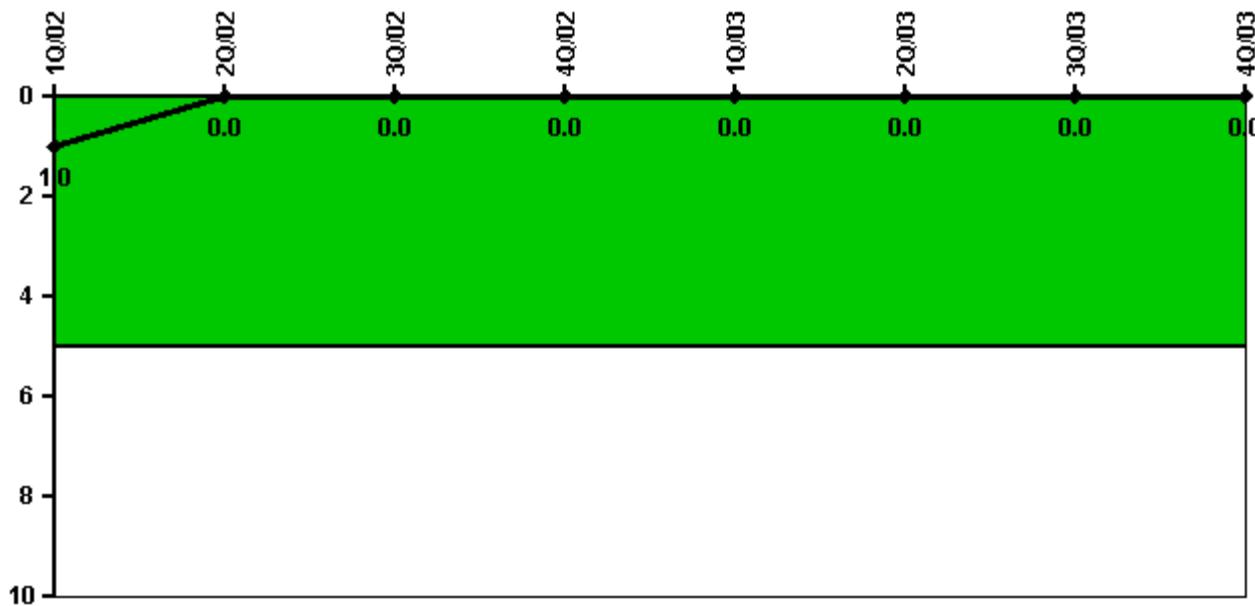


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	0	0	0	19.50	0	19.30	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	15.10	0	0	0	0	0	0	13.28
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	0.2%							

Licensee Comments: none

Safety System Functional Failures (PWR)

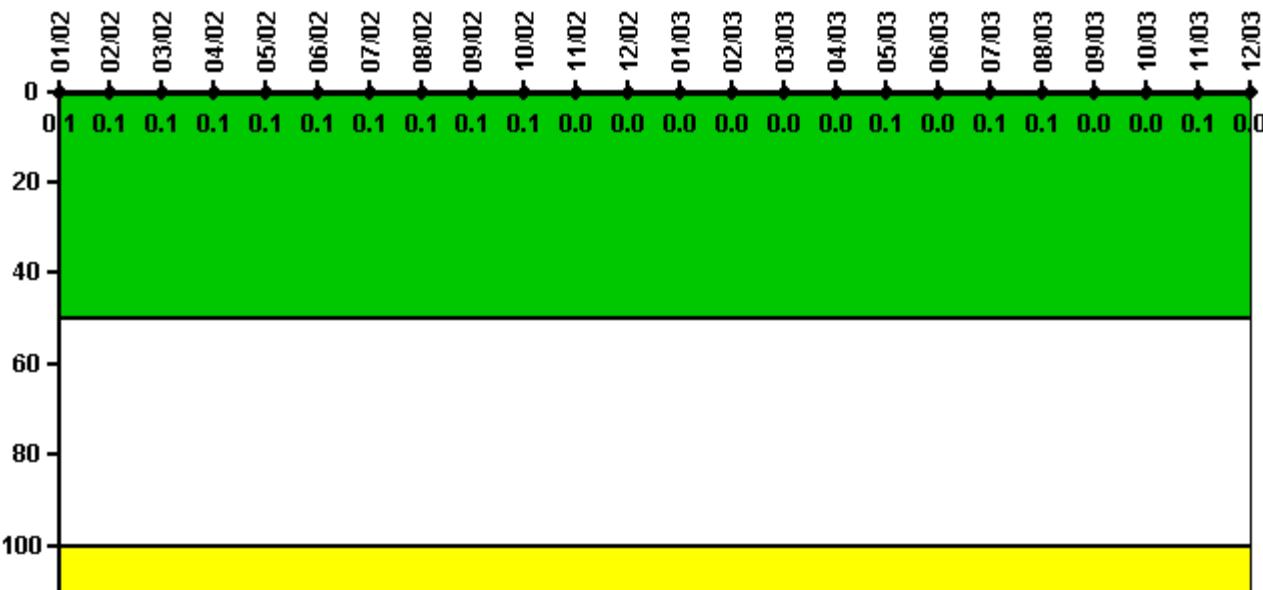
Thresholds: White > 5.0

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	1	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

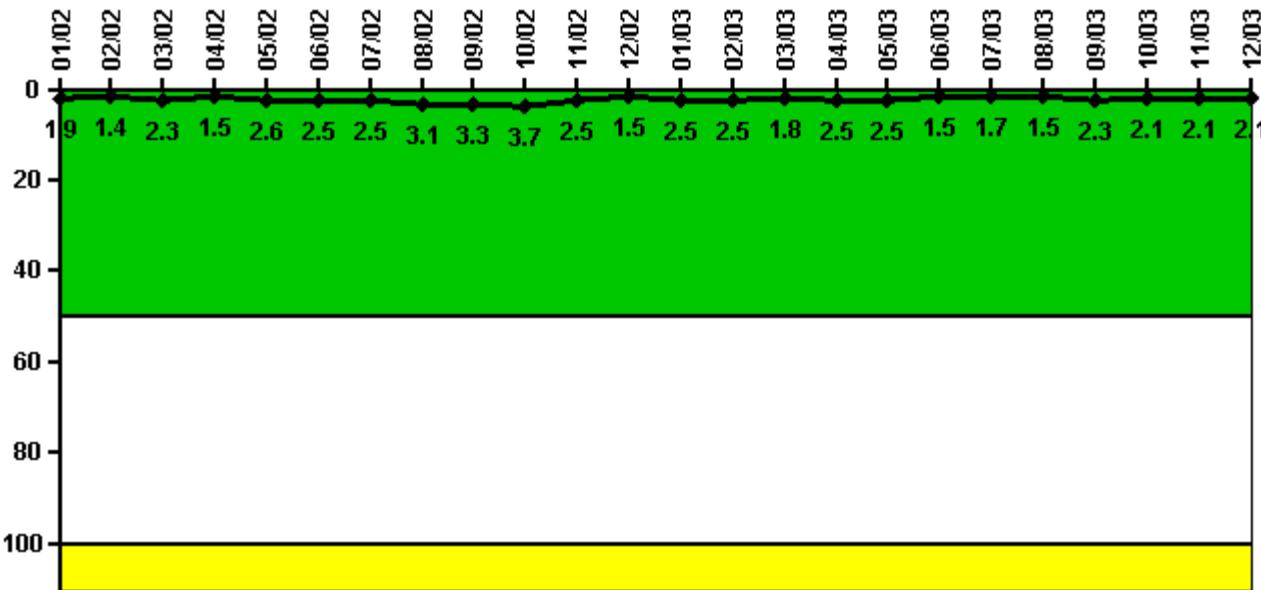
Notes

Reactor Coolant System Activity	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	0.001870	0.001910	0.002070	0.002140	0.002220	0.002200	0.002210	0.002340	0.002340	0.005180	0.000930	0.000958
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0

Reactor Coolant System Activity	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum activity	0.001060	0.001090	0.001120	0.001220	0.003790	0.001450	0.002070	0.002300	0.001670	0.001650	0.002720	0.001730
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0	0	0	0.1	0	0.1	0.1	0	0	0.1	0

Licensee Comments: none

Reactor Coolant System Leakage



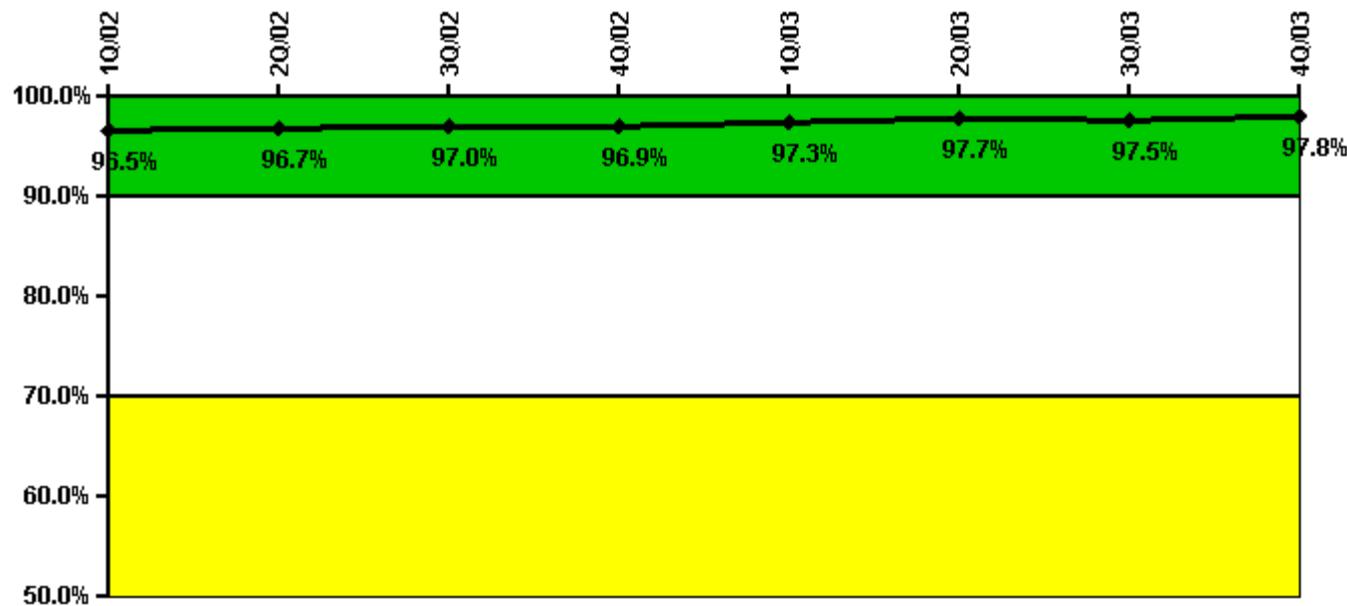
Thresholds: White > 50.0 Yellow > 100.0

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	0.193	0.136	0.229	0.148	0.259	0.253	0.248	0.311	0.331	0.372	0.252	0.151
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	1.9	1.4	2.3	1.5	2.6	2.5	2.5	3.1	3.3	3.7	2.5	1.5

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	0.252	0.253	0.181	0.245	0.252	0.151	0.171	0.153	0.230	0.211	0.211	0.211
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	2.5	2.5	1.8	2.5	2.5	1.5	1.7	1.5	2.3	2.1	2.1	2.1

Licensee Comments: none

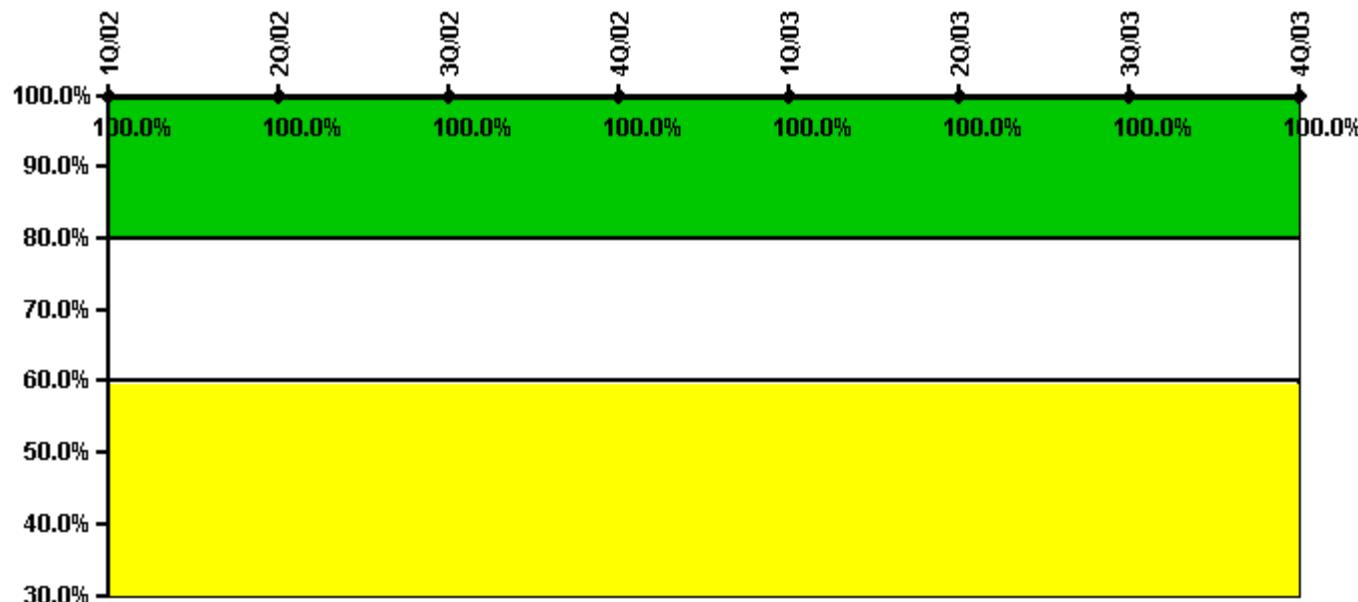
Drill/Exercise Performance

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	71.0	60.0	69.0	38.0	45.0	78.0	43.0	44.0
Total opportunities	73.0	61.0	69.0	39.0	46.0	79.0	45.0	46.0
Indicator value	96.5%	96.7%	97.0%	96.9%	97.3%	97.7%	97.5%	97.8%

Licensee Comments: none

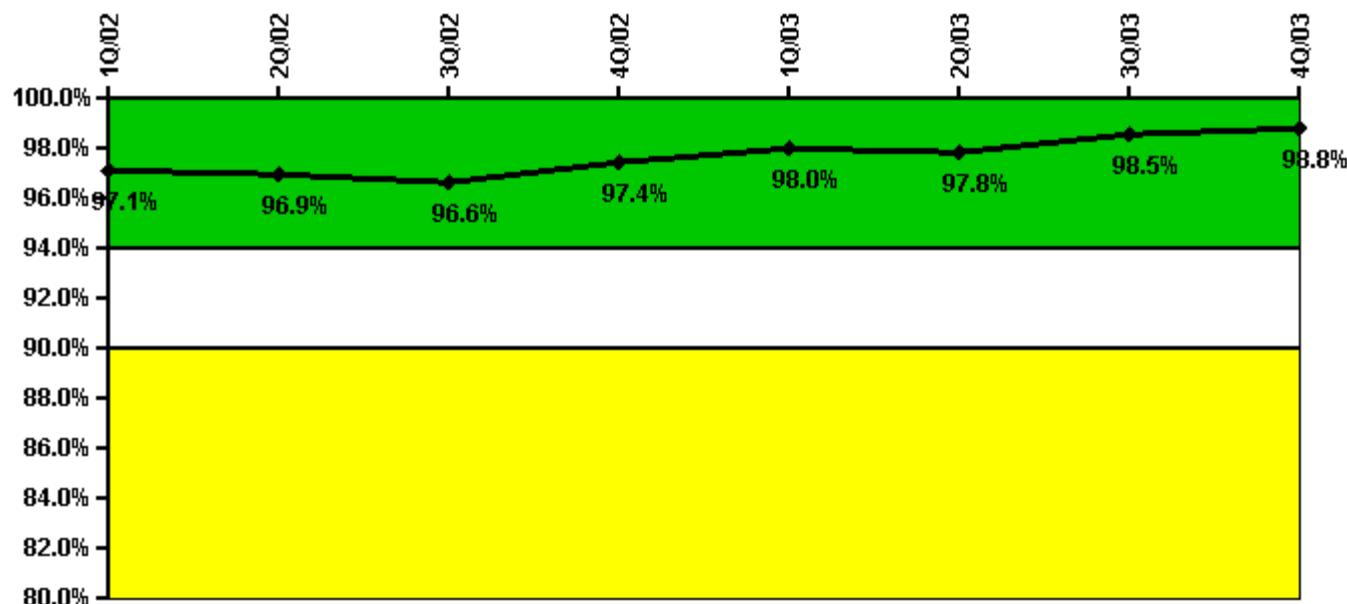
ERO Drill Participation

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	123.0	123.0	129.0	126.0	117.0	123.0	126.0	118.0
Total Key personnel	123.0	123.0	129.0	126.0	117.0	123.0	126.0	118.0
Indicator value	100.0%							

Licensee Comments: none

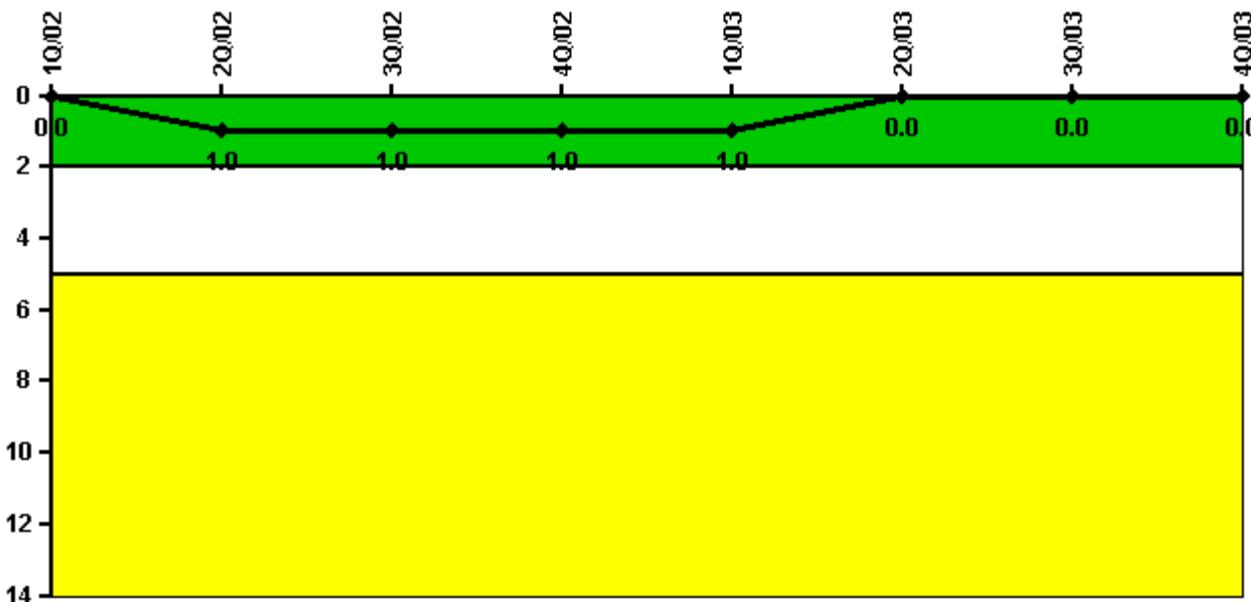
Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful siren-tests	143	144	142	144	146	143	146	146
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	97.1%	96.9%	96.6%	97.4%	98.0%	97.8%	98.5%	98.8%

Licensee Comments: none

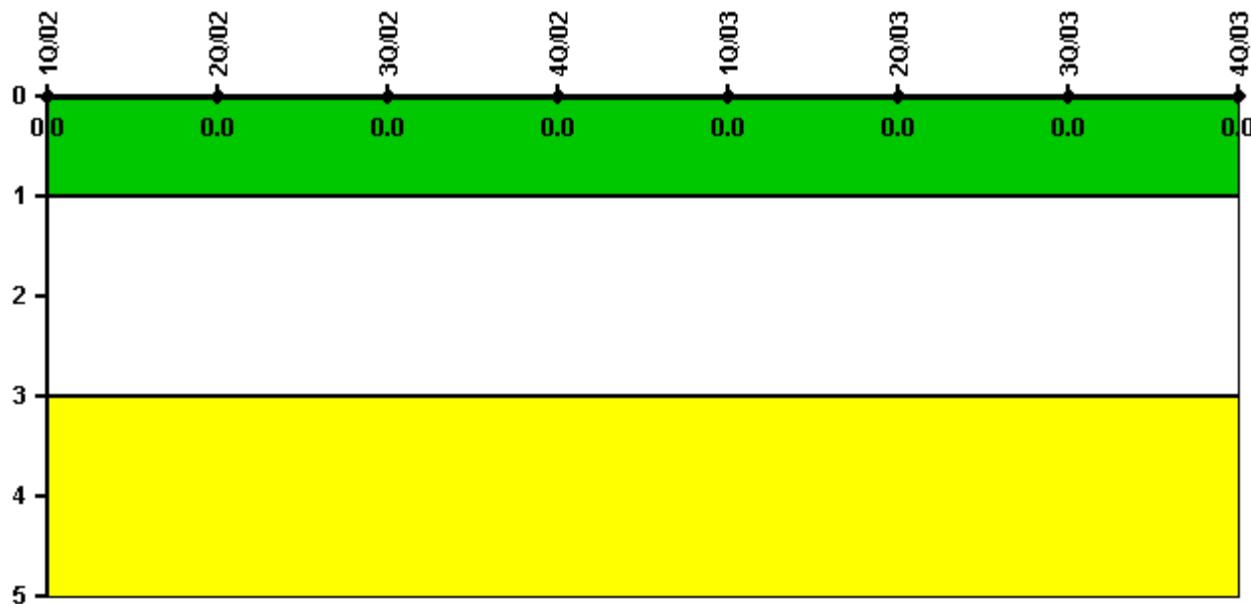
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

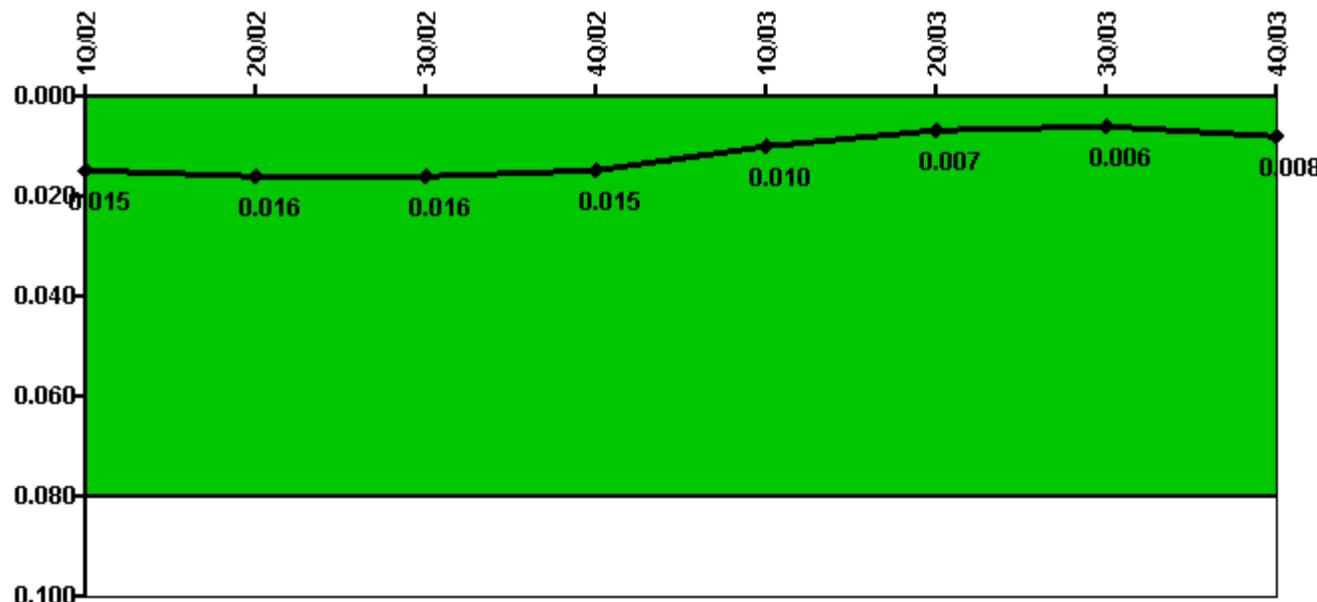
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/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

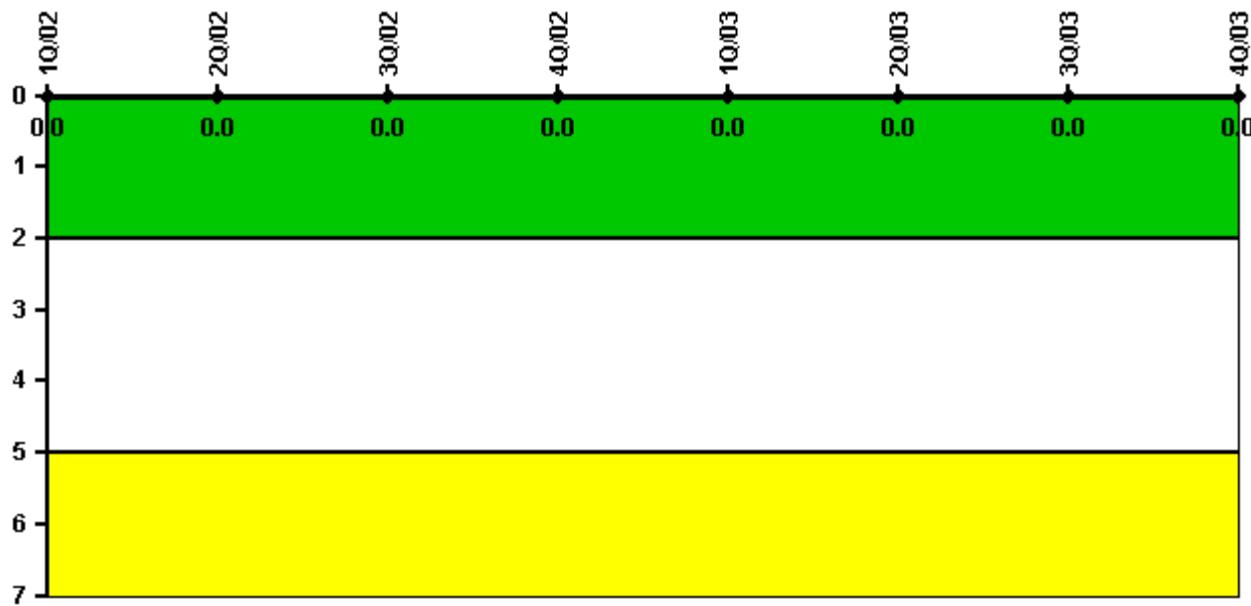


Thresholds: White > 0.080

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	213.10	91.20	107.20	20.30	47.40	25.90	15.10	70.40
CCTV compensatory hours	0	2.6	14.1	0	0	0	54.4	0
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	0.015	0.016	0.016	0.015	0.010	0.007	0.006	0.008

Licensee Comments: none

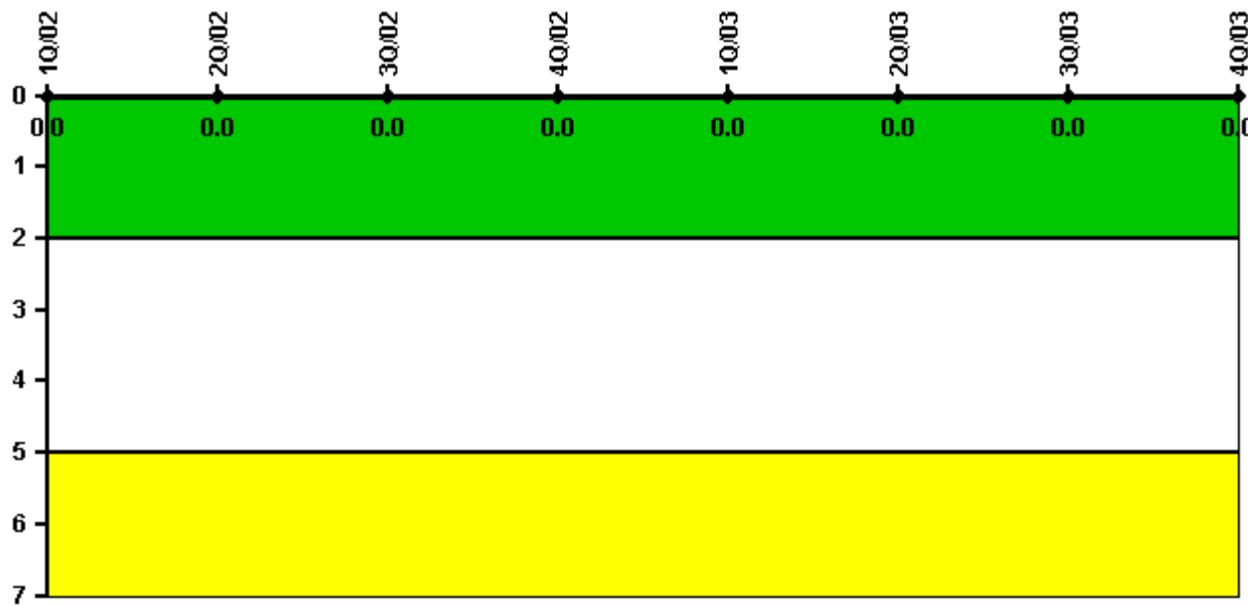
Personnel Screening Program

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

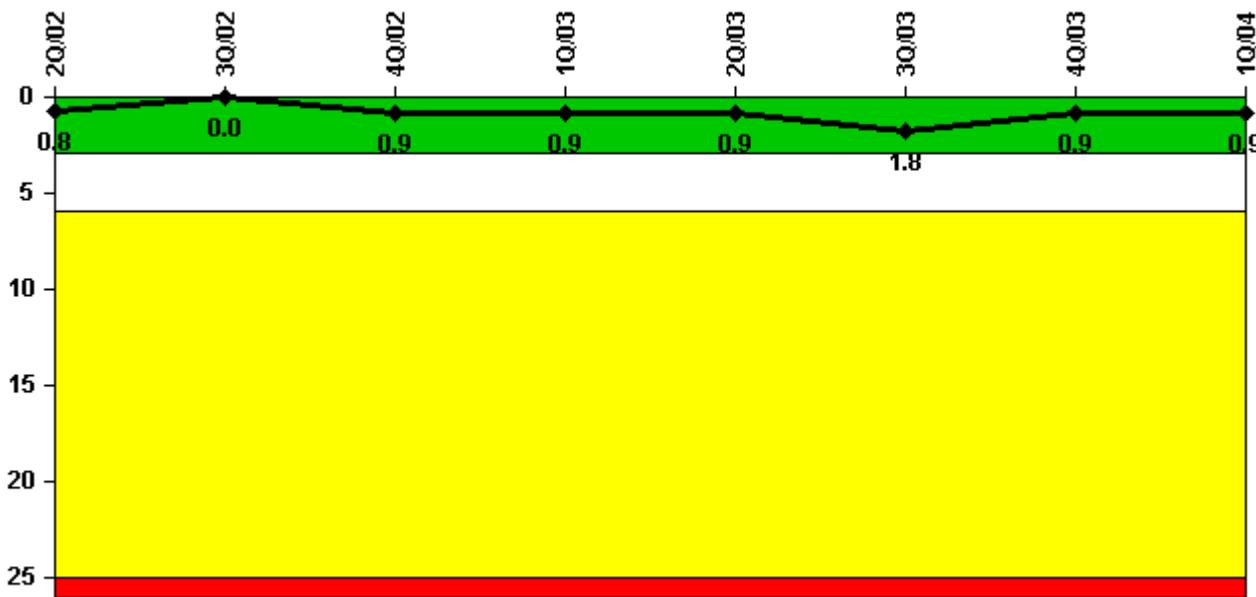


[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: January 23, 2004

Arkansas Nuclear 1**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	0	0	1.0	0	0	1.0	0	0
Critical hours	2183.0	2208.0	1289.2	2160.0	2183.0	2174.9	1613.5	2184.0
Indicator value	0.8	0	0.9	0.9	0.9	1.8	0.9	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

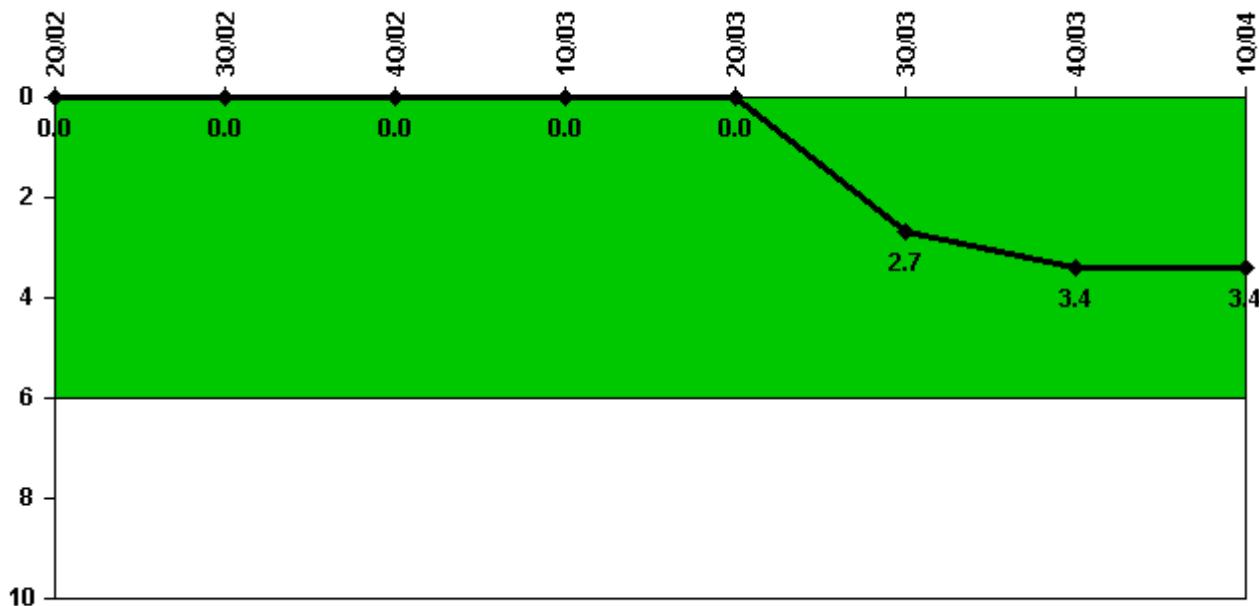
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

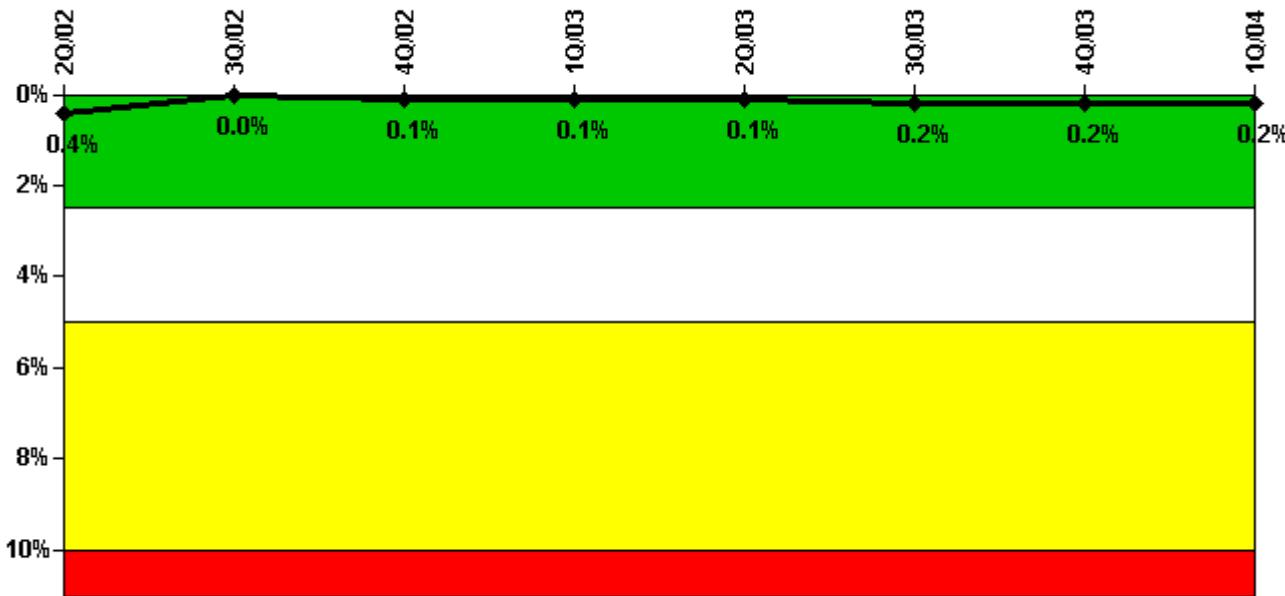
Notes

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	3.0	1.0	0
Critical hours	2183.0	2208.0	1289.2	2160.0	2183.0	2174.9	1613.5	2184.0
Indicator value	0	0	0	0	0	2.7	3.4	3.4

Licensee Comments:

3Q/03: In the 1st Quarter 2004 submittal, this indicator was revised to include a power reduction in August 2003 that was not previously counted. On August 2, 2003, the unit returned to full power following the P-8A Heater Drain Pump motor replacement. Shortly after reaching full power, plant power was reduced as a conservative measure to evaluate a small oil spray from the new motor lower bearing housing. After reviewing the reporting guidelines, plant management made the determination that this power reduction did not meet the reporting criteria for NRC Unplanned Transients. The power reduction was considered to be within the contingency plan for returning the unit to full power following the replacement of the heater drain pump motor. After consultation with NRC and NEI, it has been concluded that the August 2 power reduction should have been counted as an unplanned transient in the 3rd quarter 2003. Therefore the 3rd quarter Unplanned Transients indicator has been revised from 2 to 3, with no change in indicator color.

Safety System Unavailability, Emergency AC Power



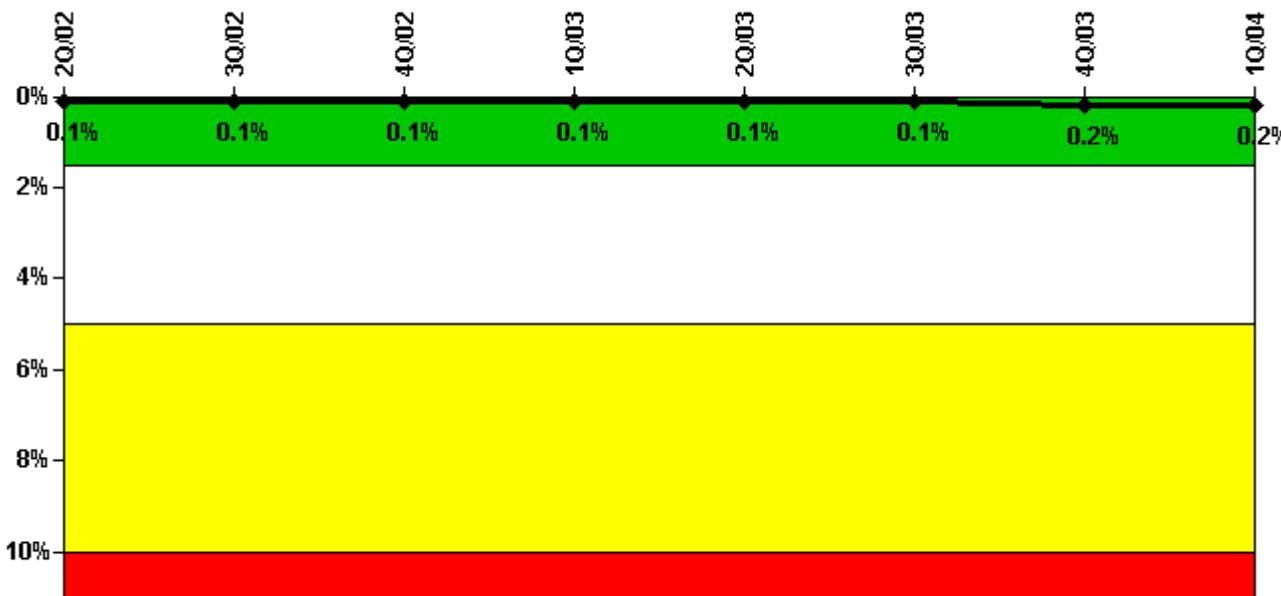
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

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	1.02	0.62	3.03	21.40	3.38	0.90	0.83	1.33
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	0.75	0.97	7.82	0.50	0.91	24.30	0.65	0.78
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	0.4%	0%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



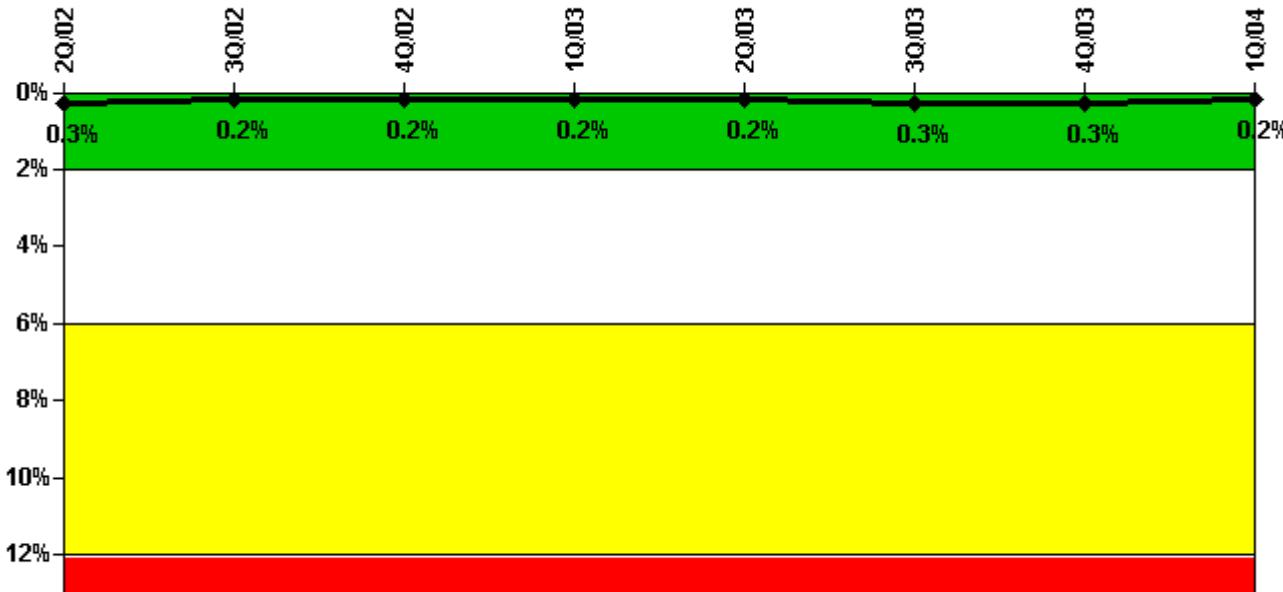
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	0	0	0	0	0	16.80	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1289.20	2160.00	2183.00	2174.90	2209.00	2184.00
Train 2								
Planned unavailable hours	0	0	0	0	8.10	5.10	36.87	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	1289.20	2160.00	2183.00	2174.90	2209.00	2184.00
Indicator value	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



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

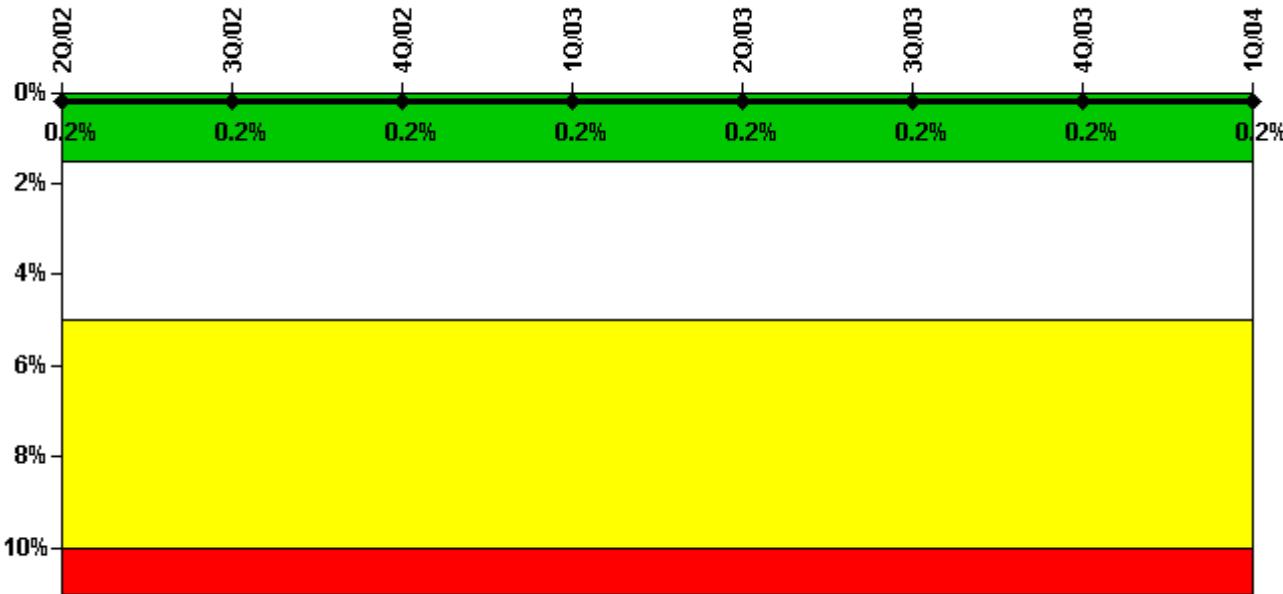
Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	0	0	0	0	0	27.30	0	0.93
Unplanned unavailable hours	0	0	0	0	0	33.30	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1343.60	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	0	0	0	0	10.60	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	1416.70	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	0.3%	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%	0.2%

Licensee Comments:

3Q/03: In September, 2003, unplanned unavailability was originally reported for Train-1 of the Emergency Feedwater system. During a quarterly surveillance, a flow control valve in the system exhibited erratic position indication at certain low flow conditions. Subsequent troubleshooting and maintenance was performed on the flow controller and valve operator, which was then returned to service. The original unavailability time was conservatively considered to have started at the beginning of the surveillance. Subsequent engineering review and analysis concluded that the train was still capable of performing the intended safety function and was not unavailable until the actual troubleshooting commenced. The unplanned unavailability was determined to be 25.4 hours instead of the originally reported 42.1 hours. The 3rd quarter 2003 Heat Removal unavailability has been revised to reflect this change which does not affect the indicator color.

Safety System Unavailability, Residual Heat Removal System

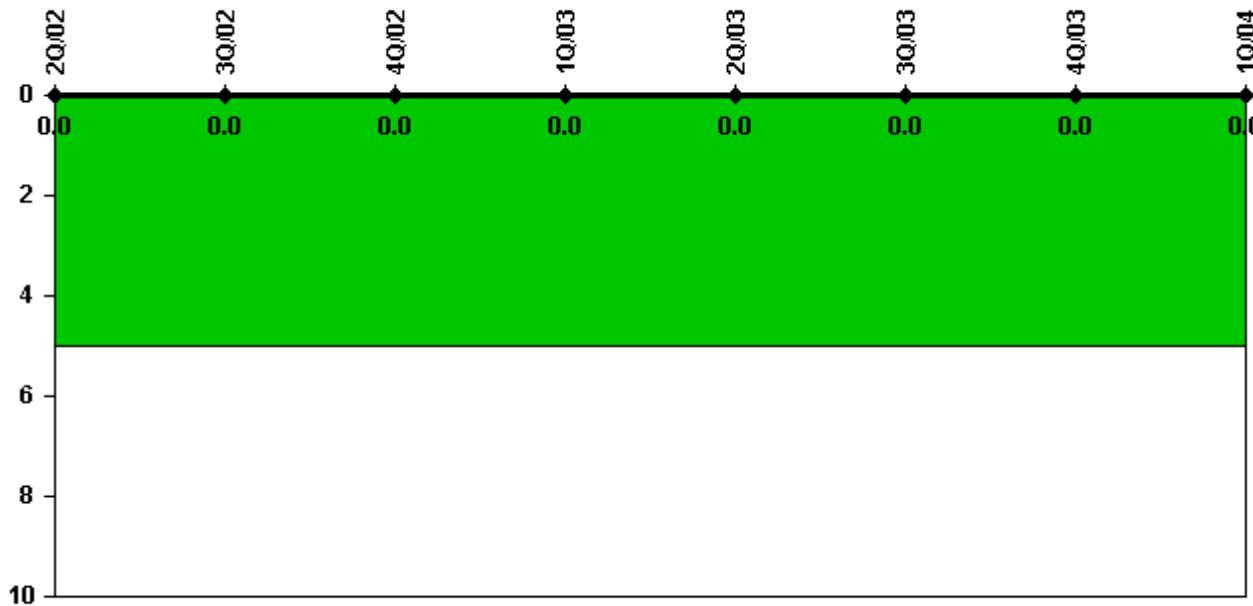


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	0	0	19.50	0	19.30	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	0	0	0	0	0	0	13.28	7.42
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	0.2%							

Licensee Comments: none

Safety System Functional Failures (PWR)

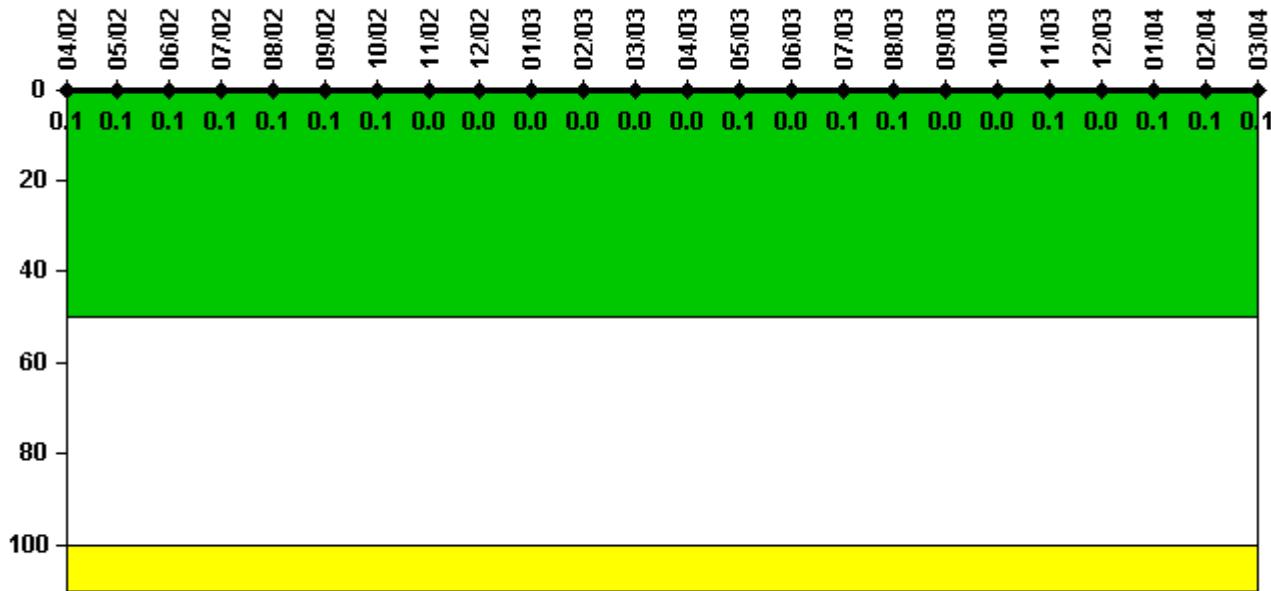
Thresholds: White > 5.0

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

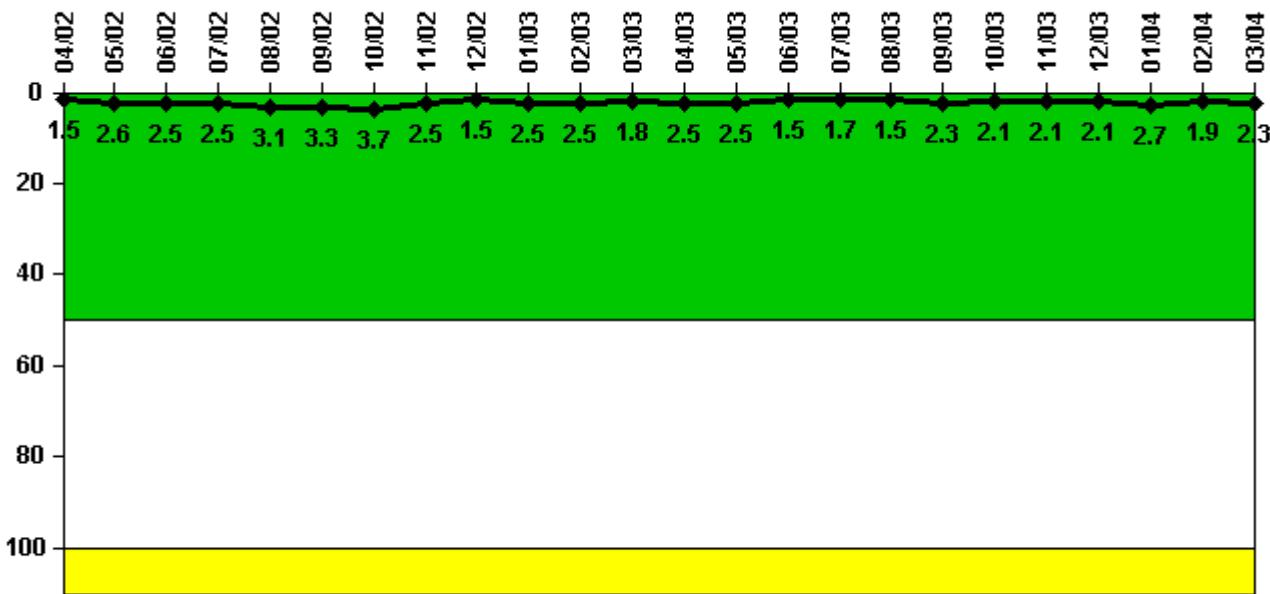
Notes

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	0.002140	0.002220	0.002200	0.002210	0.002340	0.002340	0.005180	0.000930	0.000958	0.001060	0.001090	0.001120
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0	0	0	0	0						

Reactor Coolant System Activity	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04
Maximum activity	0.001220	0.003790	0.001450	0.002070	0.002300	0.001670	0.001650	0.002720	0.001730	0.001830	0.001890	0.001930
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0.1	0	0.1	0.1	0	0	0.1	0	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



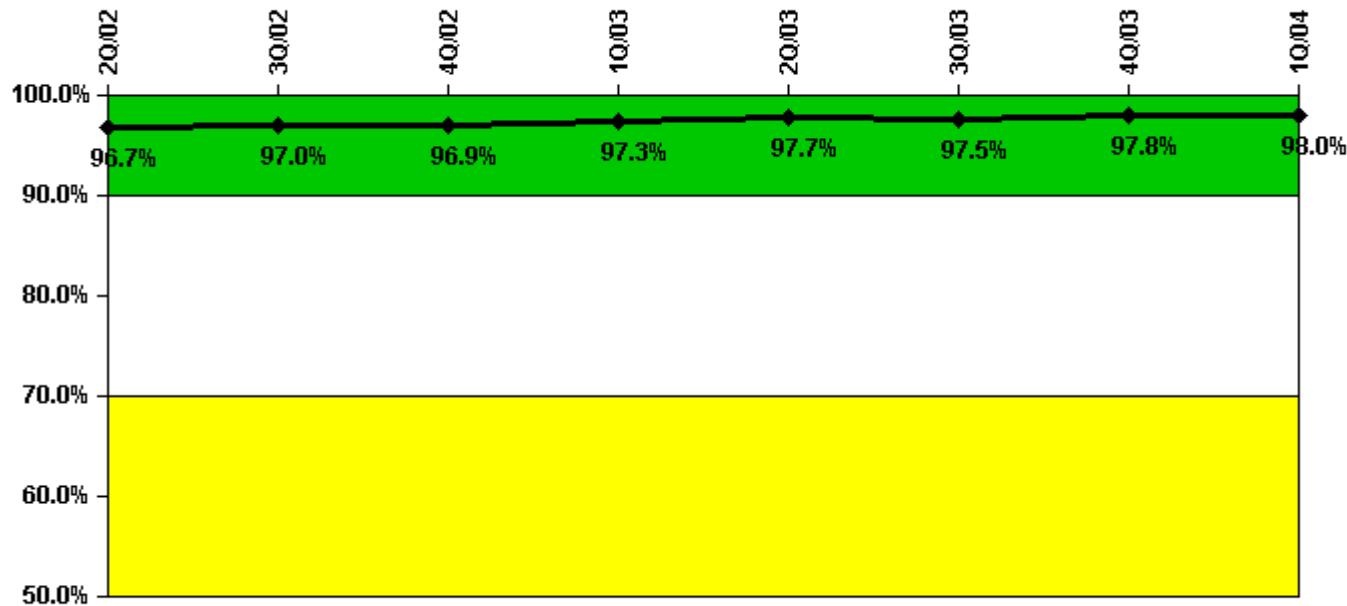
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum leakage	0.148	0.259	0.253	0.248	0.311	0.331	0.372	0.252	0.151	0.252	0.253	0.181
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	2.6	2.5	2.5	3.1	3.3	3.7	2.5	1.5	2.5	2.5	1.8

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	0.245	0.252	0.151	0.171	0.153	0.230	0.211	0.211	0.211	0.272	0.189	0.234
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	2.5	2.5	1.5	1.7	1.5	2.3	2.1	2.1	2.1	2.7	1.9	2.3

Licensee Comments: none

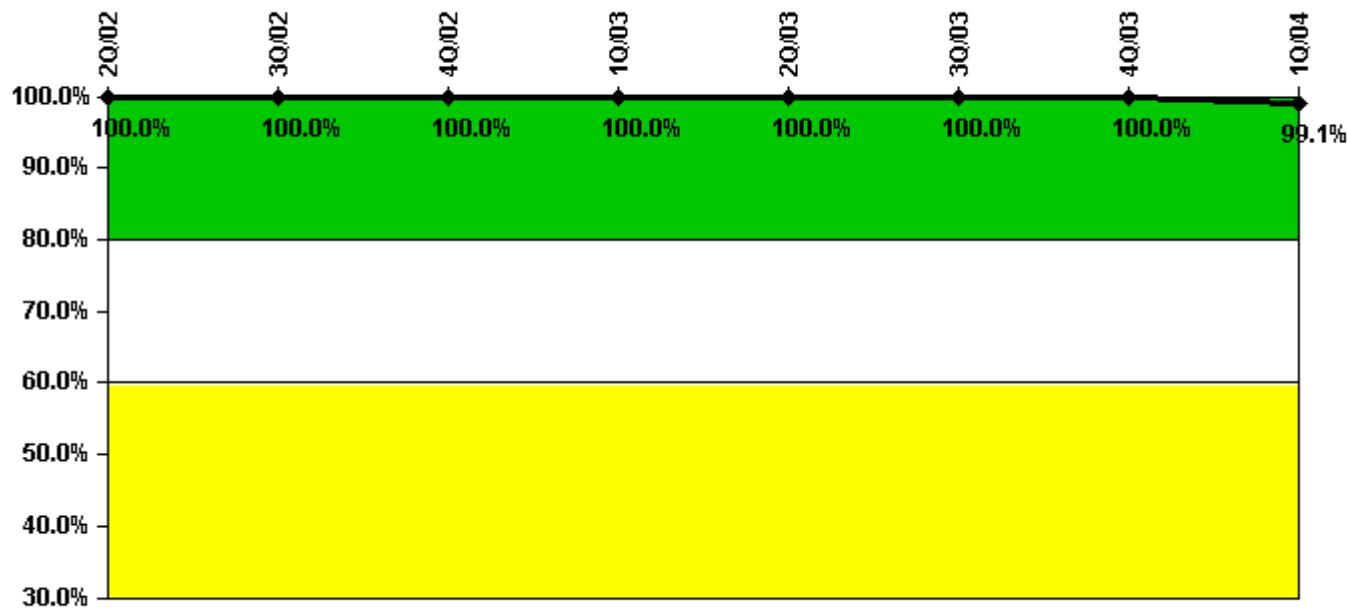
Drill/Exercise Performance

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	60.0	69.0	38.0	45.0	78.0	43.0	44.0	13.0
Total opportunities	61.0	69.0	39.0	46.0	79.0	45.0	46.0	13.0
Indicator value	96.7%	97.0%	96.9%	97.3%	97.7%	97.5%	97.8%	98.0%

Licensee Comments: none

ERO Drill Participation

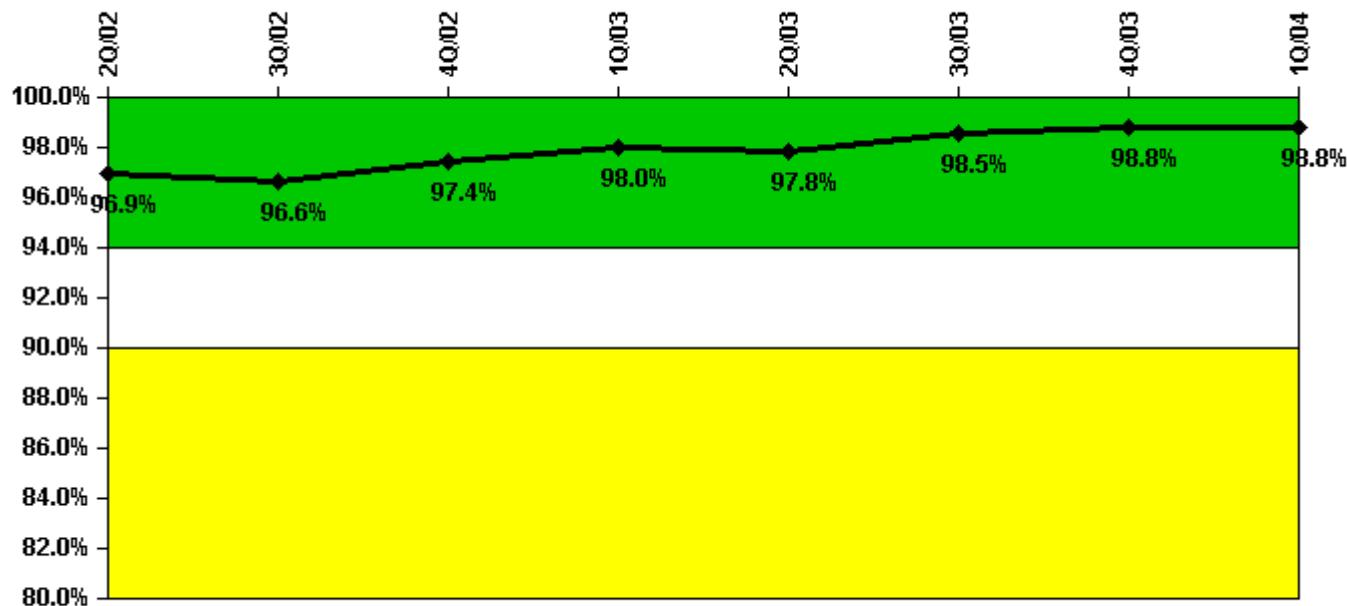
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Participating Key personnel	123.0	129.0	126.0	117.0	123.0	126.0	118.0	116.0
Total Key personnel	123.0	129.0	126.0	117.0	123.0	126.0	118.0	117.0
Indicator value	100.0%	99.1%						

Licensee Comments: none

Alert & Notification System

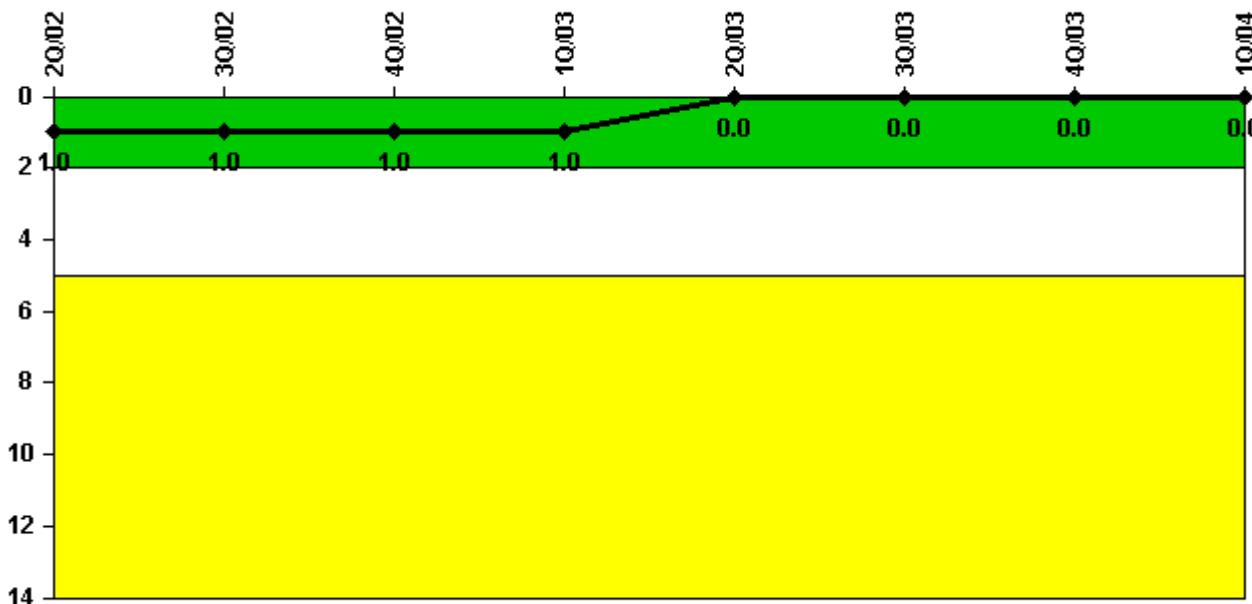


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Successful siren-tests	144	142	144	146	143	146	146	146
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	96.9%	96.6%	97.4%	98.0%	97.8%	98.5%	98.8%	98.8%

Licensee Comments: none

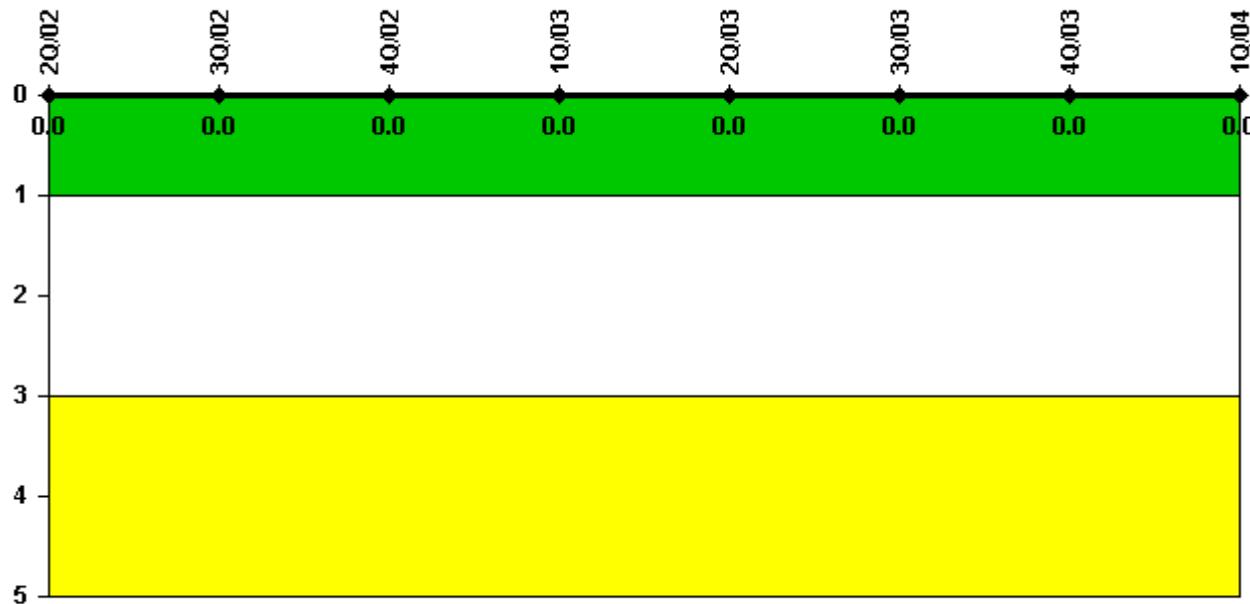
Occupational Exposure Control Effectiveness

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

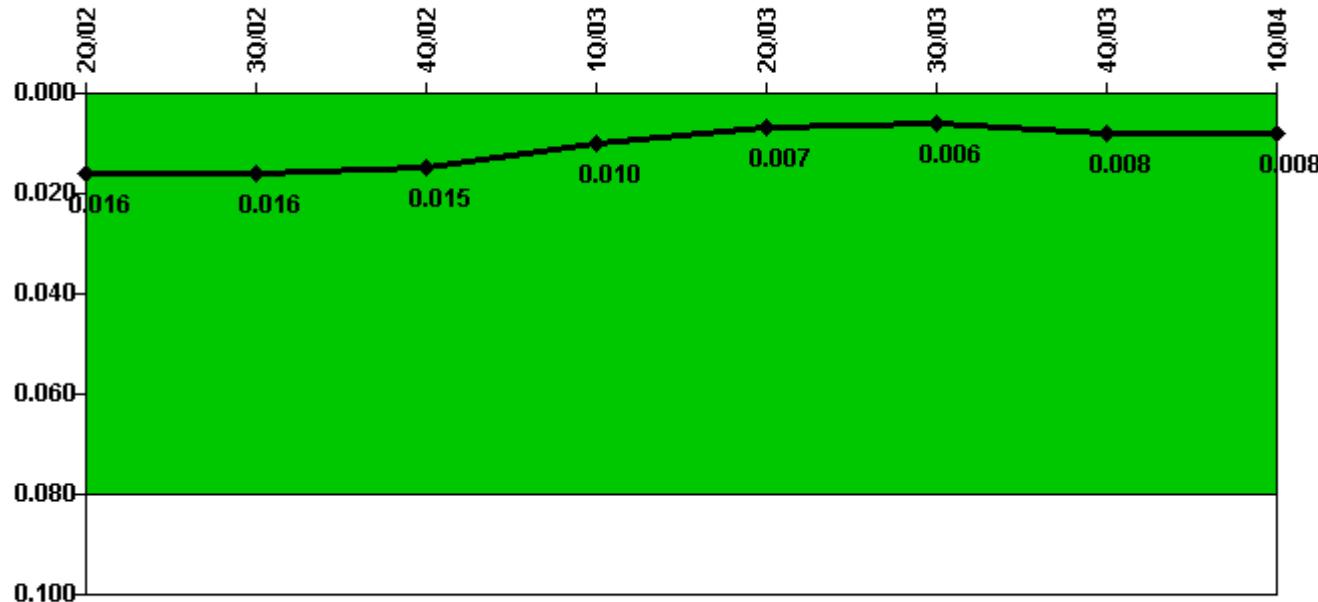
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	2Q/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							

Licensee Comments: none

Protected Area Security Performance Index

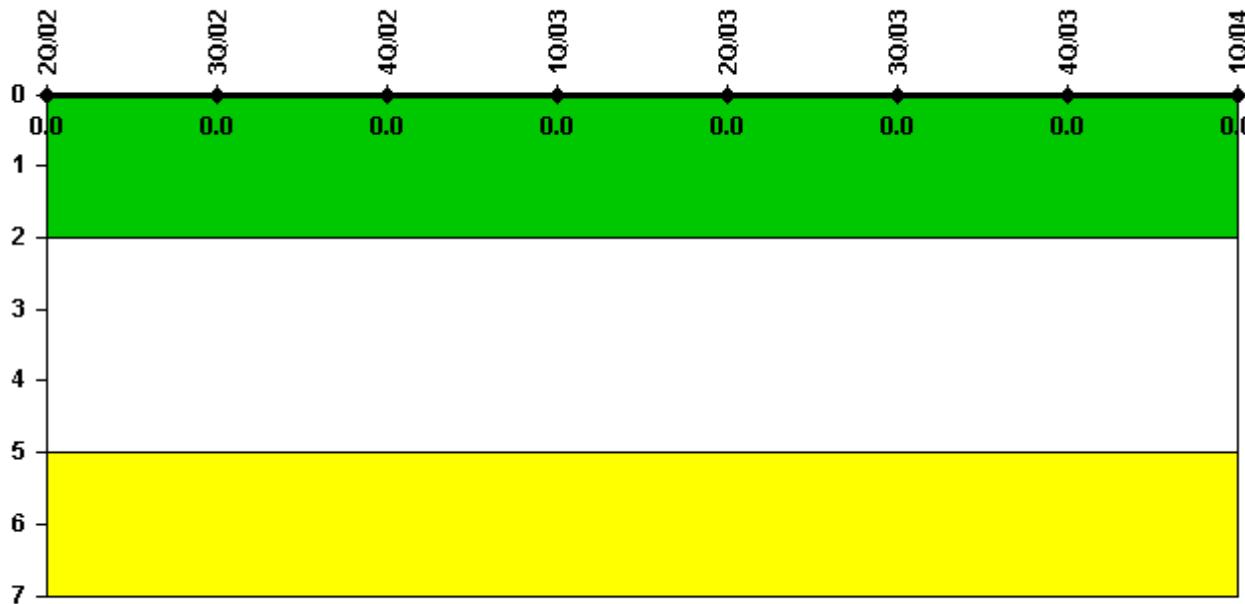


Thresholds: White > 0.080

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	91.20	107.20	20.30	47.40	25.90	15.10	70.40	21.20
CCTV compensatory hours	2.6	14.1	0	0	0	54.4	0	4.7
IDS normalization factor	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
CCTV normalization factor	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Index Value	0.016	0.016	0.015	0.010	0.007	0.006	0.008	0.008

Licensee Comments: none

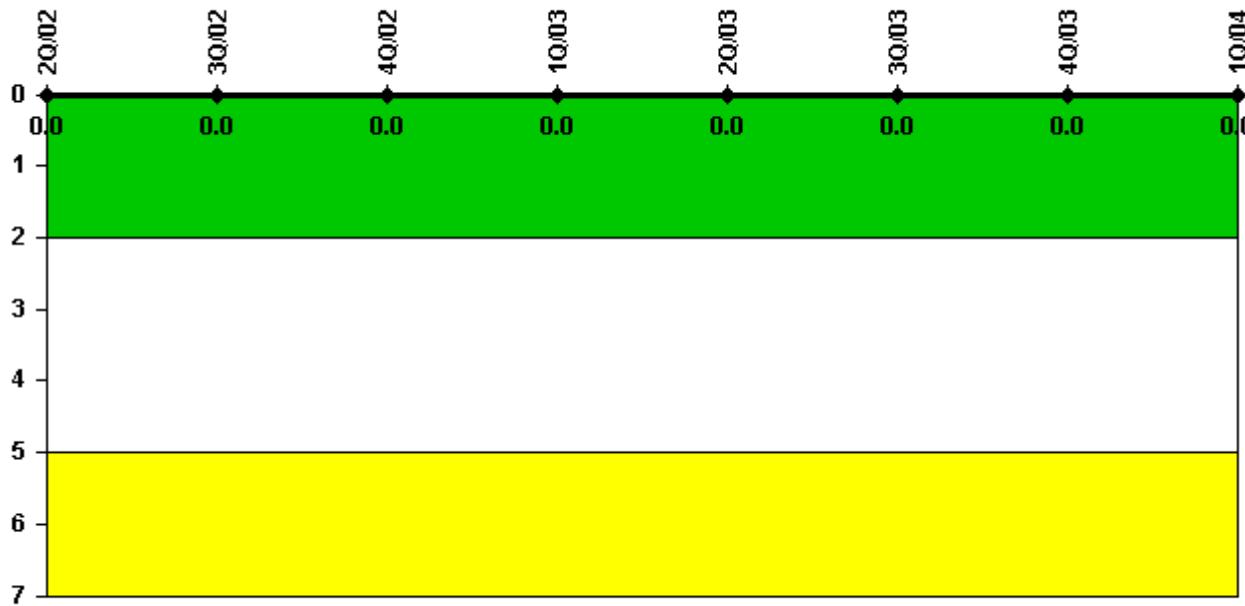
Personnel Screening Program

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

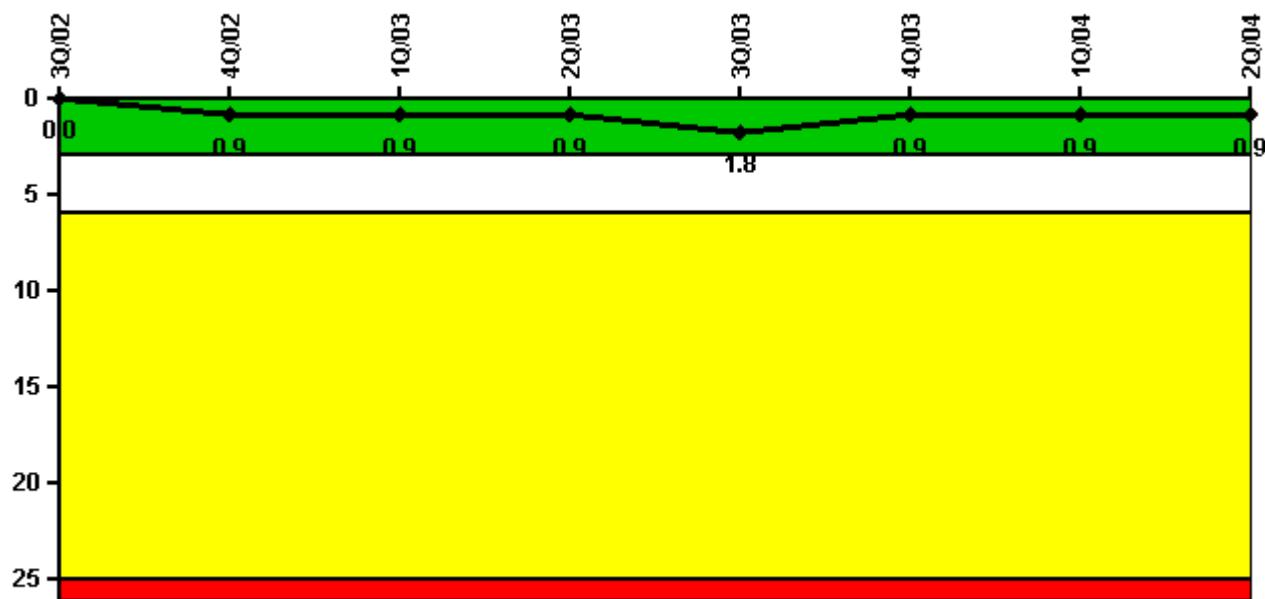


[PI Summary](#) | [Inspection Findings Summary](#) | [Reactor Oversight Process](#)

Last Modified: April 22, 2004

Arkansas Nuclear 1**2Q/2004 Performance Indicators**

Licensee's General Comments: none

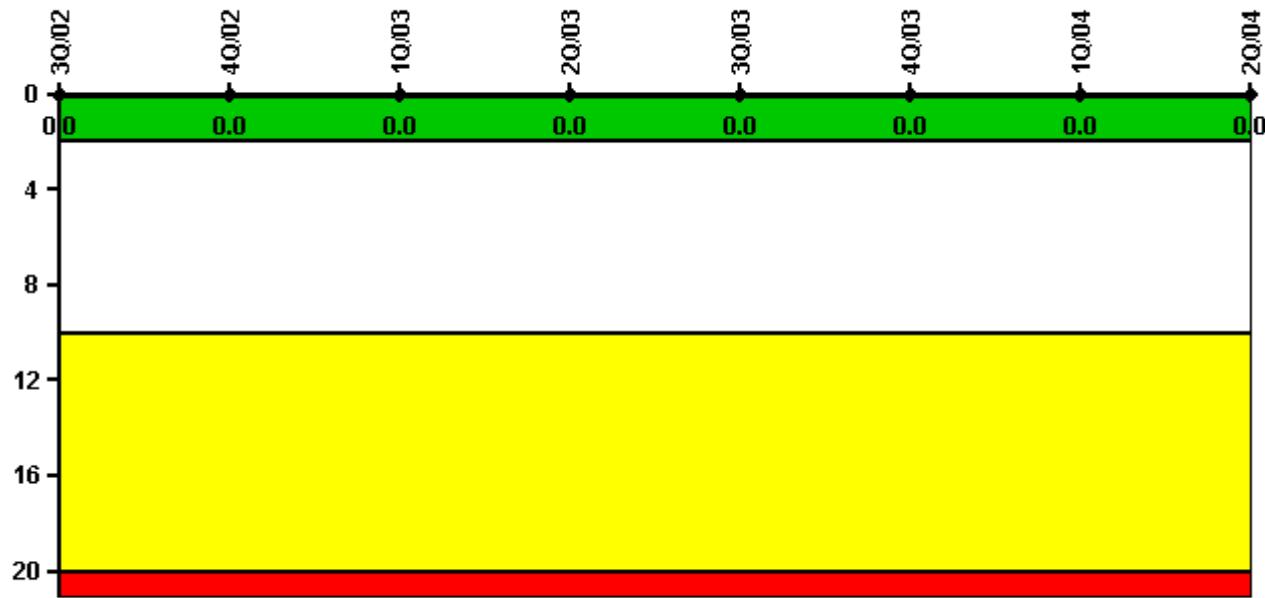
Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Unplanned scrams	0	1.0	0	0	1.0	0	0	0
Critical hours	2208.0	1289.2	2160.0	2183.0	2174.9	1613.5	2184.0	1471.2
Indicator value	0	0.9	0.9	0.9	1.8	0.9	0.9	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

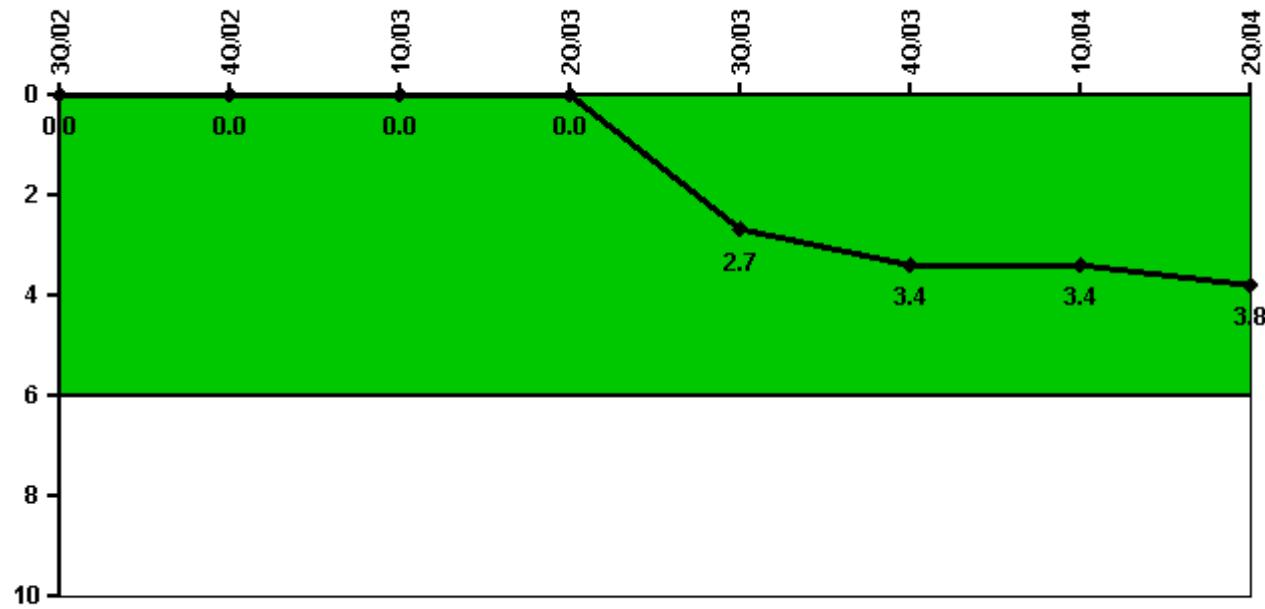
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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



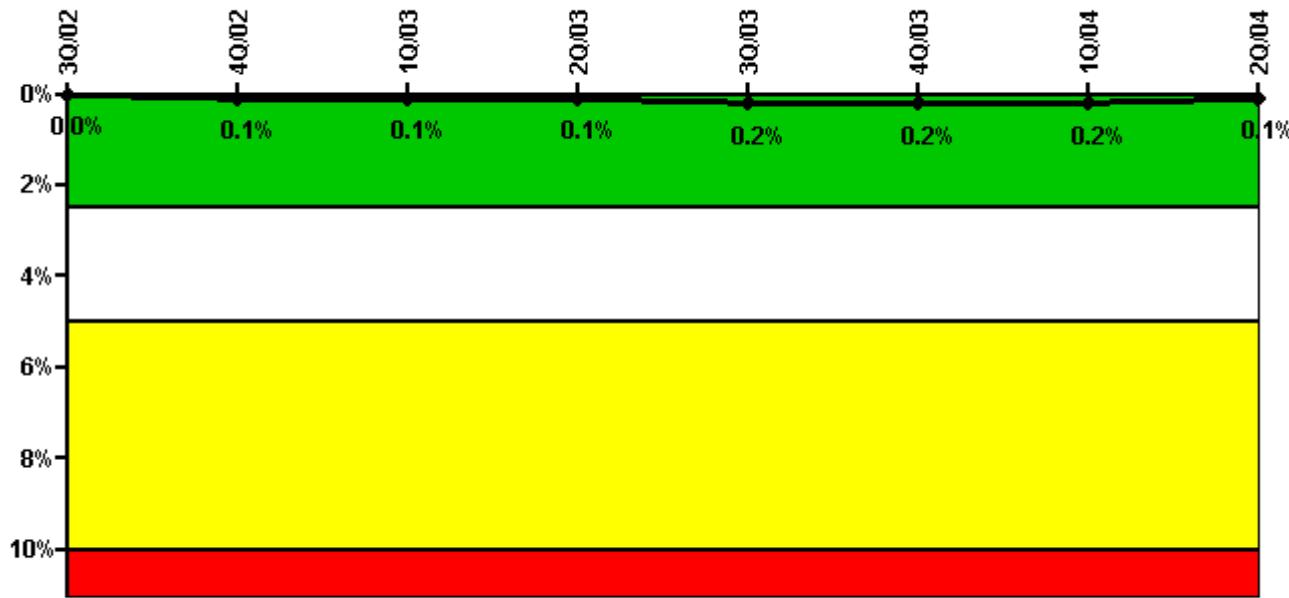
Thresholds: White > 6.0

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	3.0	1.0	0	0
Critical hours	2208.0	1289.2	2160.0	2183.0	2174.9	1613.5	2184.0	1471.2
Indicator value	0	0	0	0	2.7	3.4	3.4	3.8

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



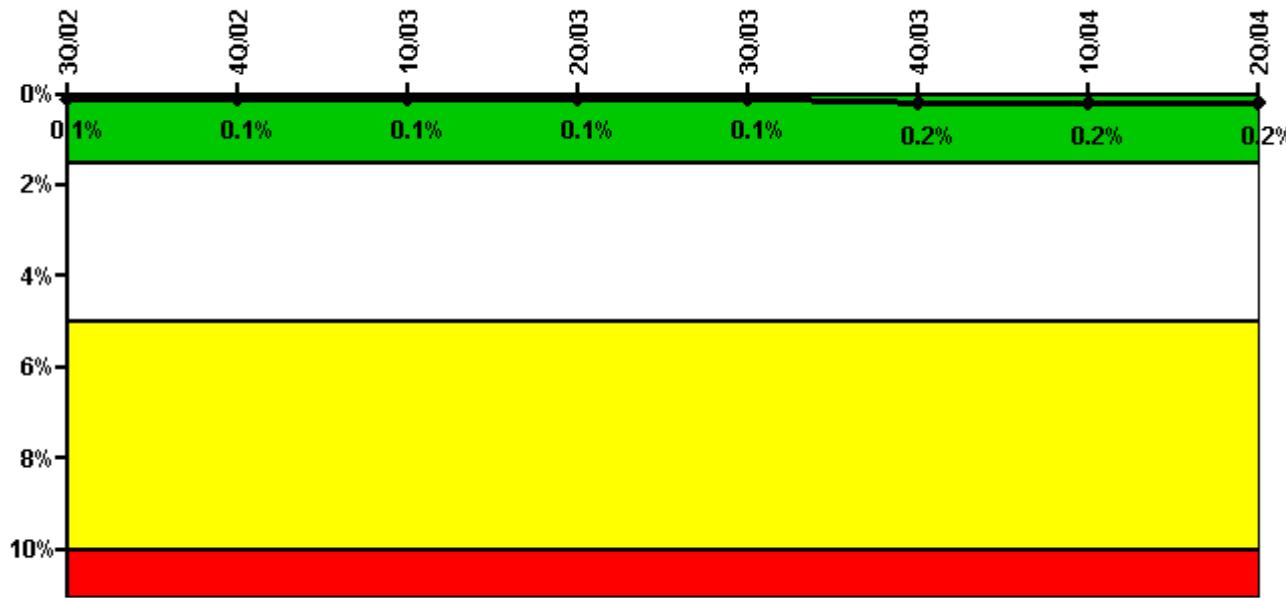
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	0.62	3.03	21.40	3.38	0.90	0.83	1.33	1.23
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	0.97	7.82	0.50	0.91	24.30	0.65	0.78	0.85
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%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%	0.1%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



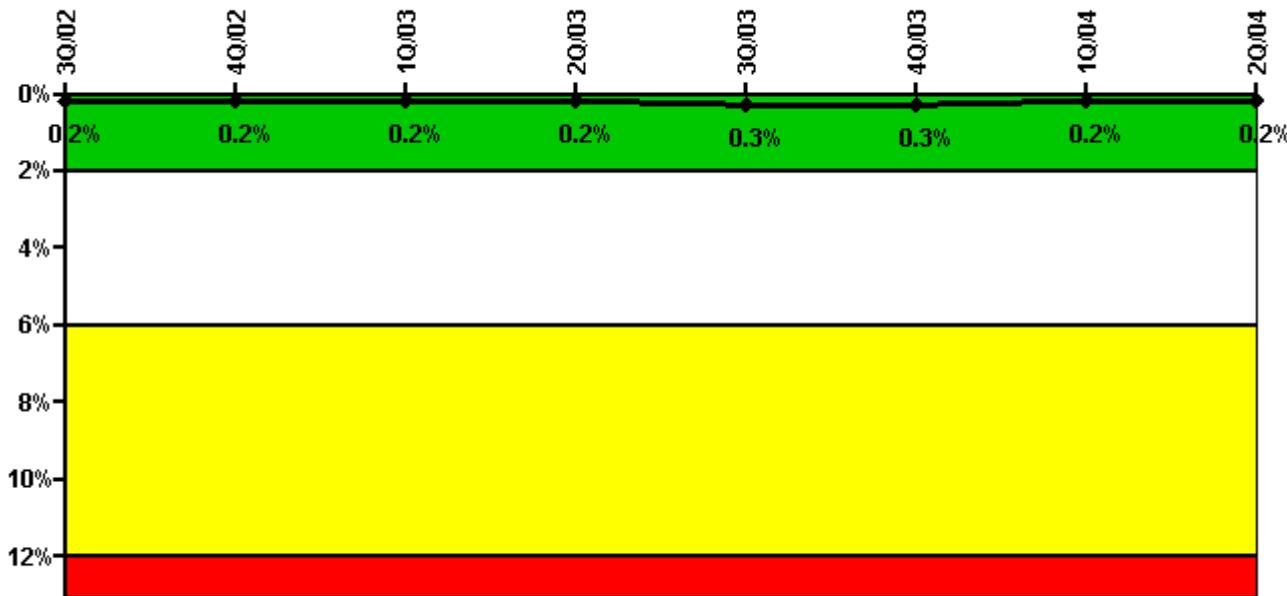
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	0	0	0	0	16.80	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1289.20	2160.00	2183.00	2174.90	2209.00	2184.00	1471.15
Train 2								
Planned unavailable hours	0	0	0	8.10	5.10	36.87	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	1289.20	2160.00	2183.00	2174.90	2209.00	2184.00	1471.15
Indicator value	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



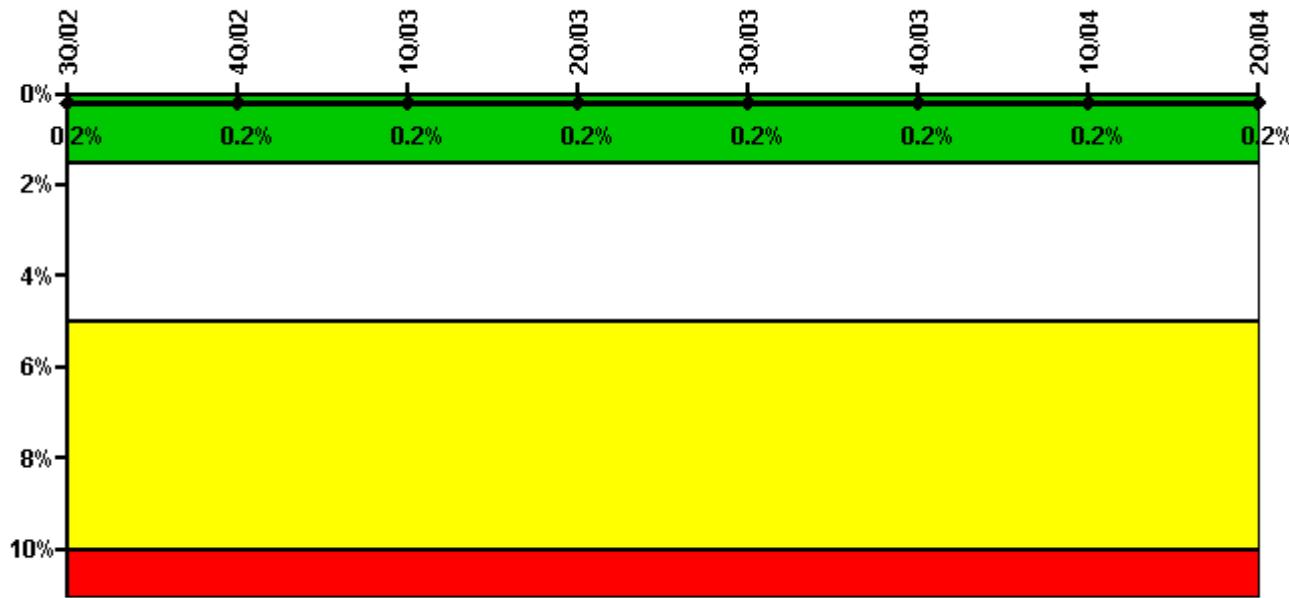
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	0	0	0	0	27.30	0	0.93	5.10
Unplanned unavailable hours	0	0	0	0	33.30	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1343.60	2160.00	2183.00	2208.00	2209.00	2184.00	1317.00
Train 2								
Planned unavailable hours	0	0	0	10.60	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	1416.70	2160.00	2183.00	2208.00	2209.00	2184.00	1720.00
Indicator value	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

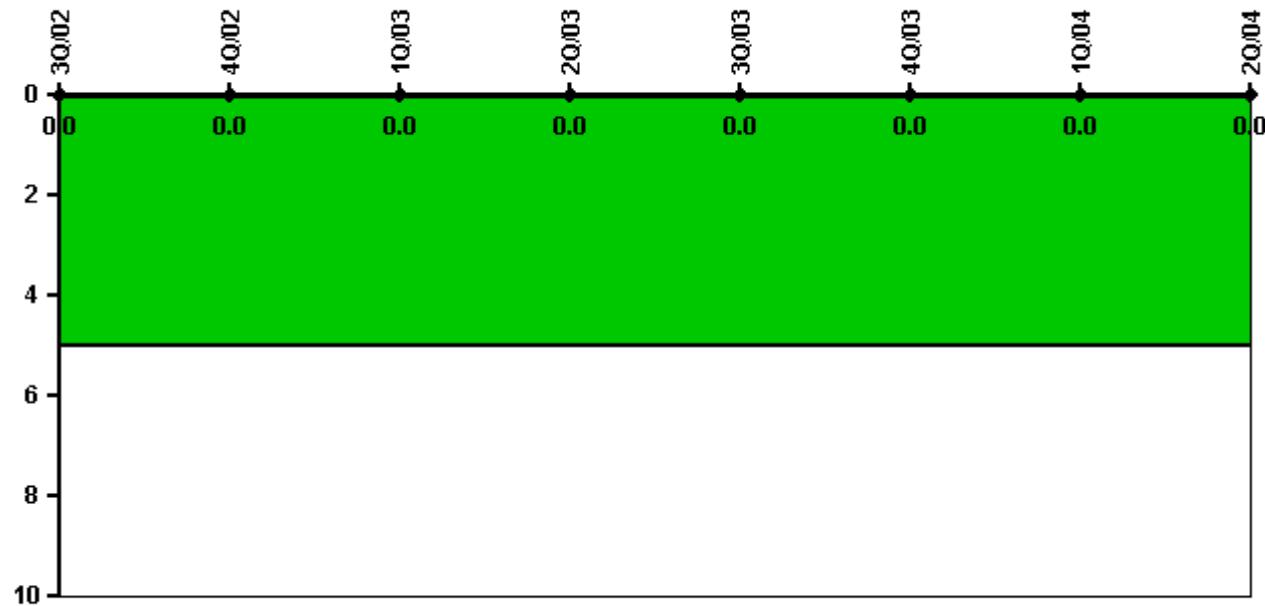


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	0	19.50	0	19.30	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	0	0	0	0	0	13.28	7.42	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
Indicator value	0.2%							

Licensee Comments: none

Safety System Functional Failures (PWR)

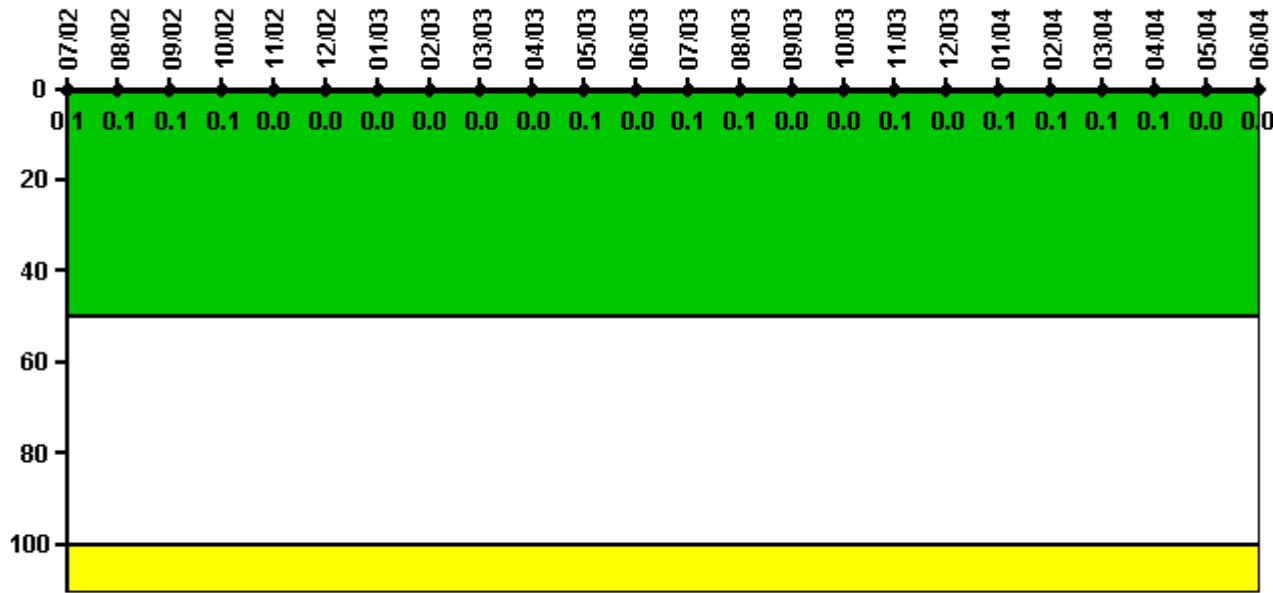
Thresholds: White > 5.0

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	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



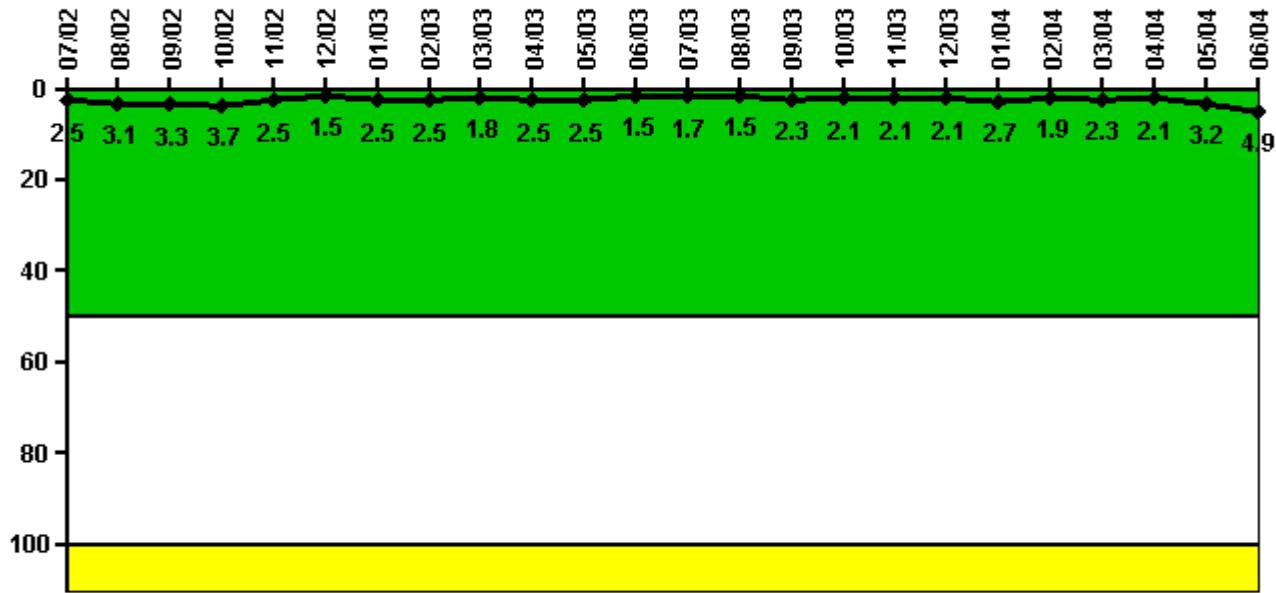
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.002210	0.002340	0.002340	0.005180	0.000930	0.000958	0.001060	0.001090	0.001120	0.001220	0.003790	0.001450
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0.1	0
Reactor Coolant System Activity	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum activity	0.002070	0.002300	0.001670	0.001650	0.002720	0.001730	0.001830	0.001890	0.001930	0.003910	0.000834	0.001660
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0.1	0	0	0.1	0	0.1	0.1	0.1	0.1	0	0

Licensee Comments: none

Reactor Coolant System Leakage



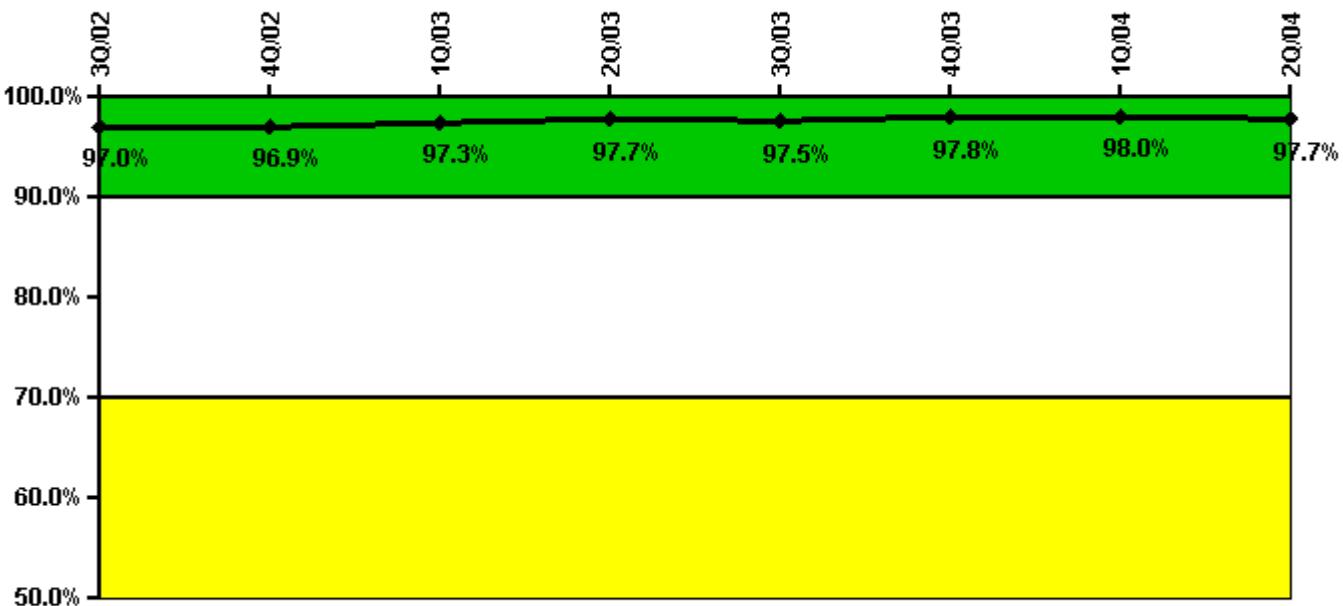
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum leakage	0.248	0.311	0.331	0.372	0.252	0.151	0.252	0.253	0.181	0.245	0.252	0.151
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	2.5	3.1	3.3	3.7	2.5	1.5	2.5	2.5	1.8	2.5	2.5	1.5
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	0.171	0.153	0.230	0.211	0.211	0.211	0.272	0.189	0.234	0.208	0.315	0.488
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	1.7	1.5	2.3	2.1	2.1	2.1	2.7	1.9	2.3	2.1	3.2	4.9

Licensee Comments: none

Drill/Exercise Performance



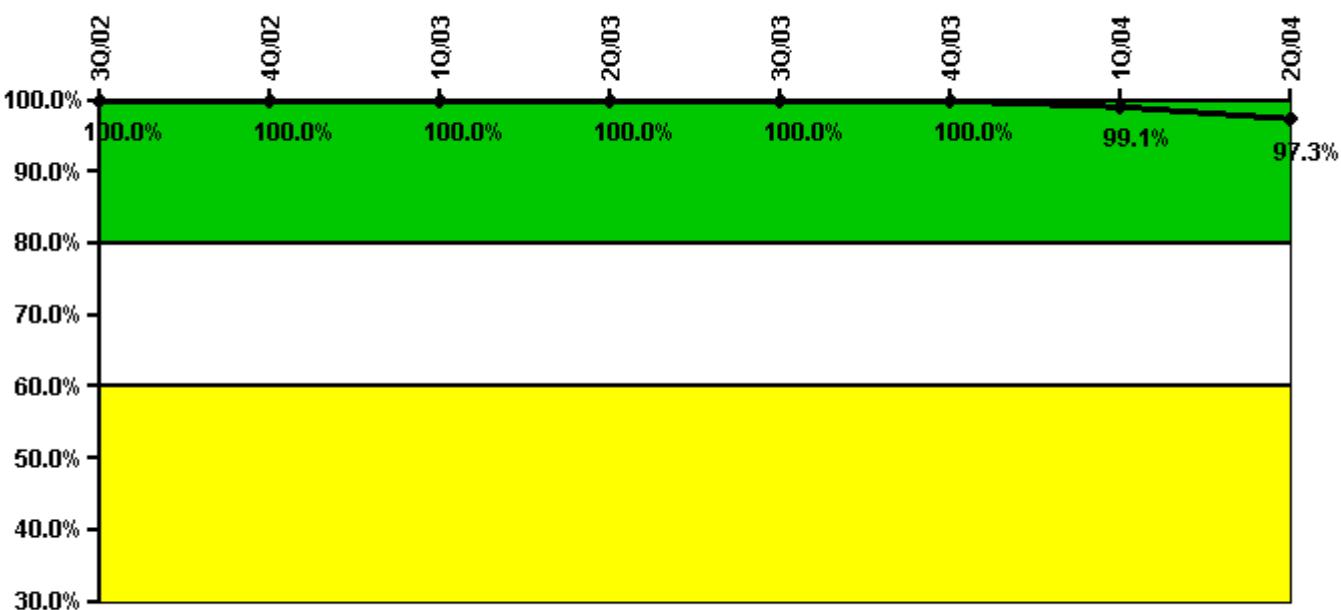
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful opportunities	69.0	38.0	45.0	78.0	43.0	44.0	13.0	13.0
Total opportunities	69.0	39.0	46.0	79.0	45.0	46.0	13.0	14.0
Indicator value	97.0%	96.9%	97.3%	97.7%	97.5%	97.8%	98.0%	97.7%

Licensee Comments: none

ERO Drill Participation

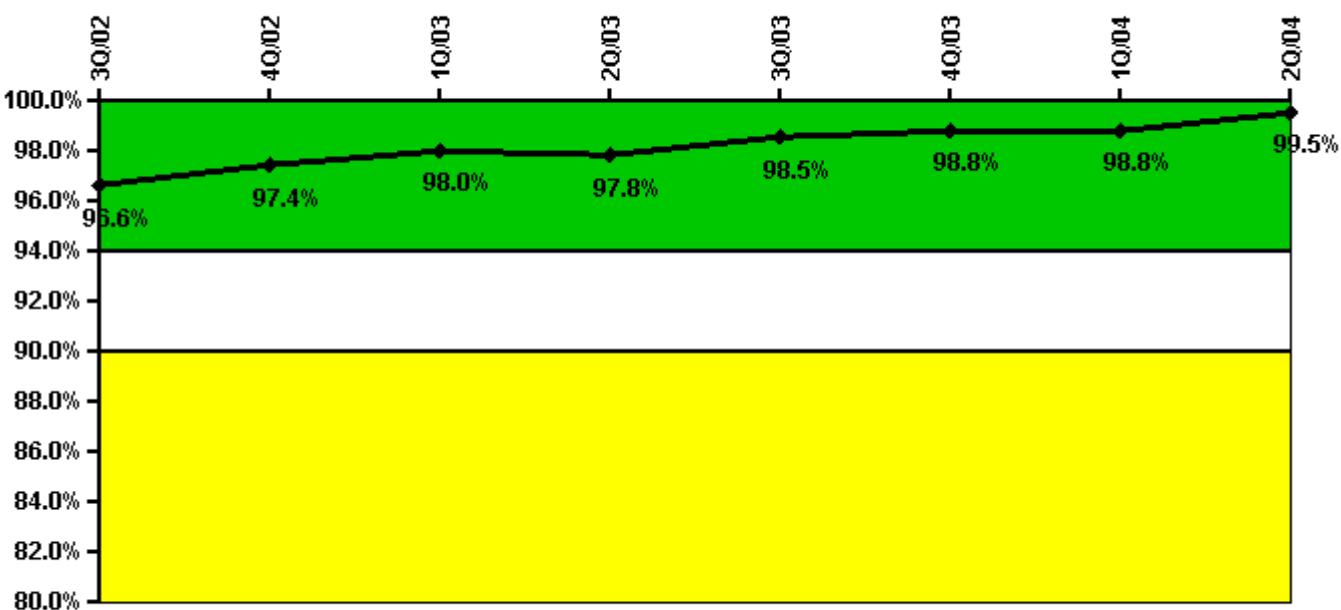


Notes

ERO Drill Participation	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Participating Key personnel	129.0	126.0	117.0	123.0	126.0	118.0	116.0	108.0
Total Key personnel	129.0	126.0	117.0	123.0	126.0	118.0	117.0	111.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	99.1%	97.3%

Licensee Comments: none

Alert & Notification System



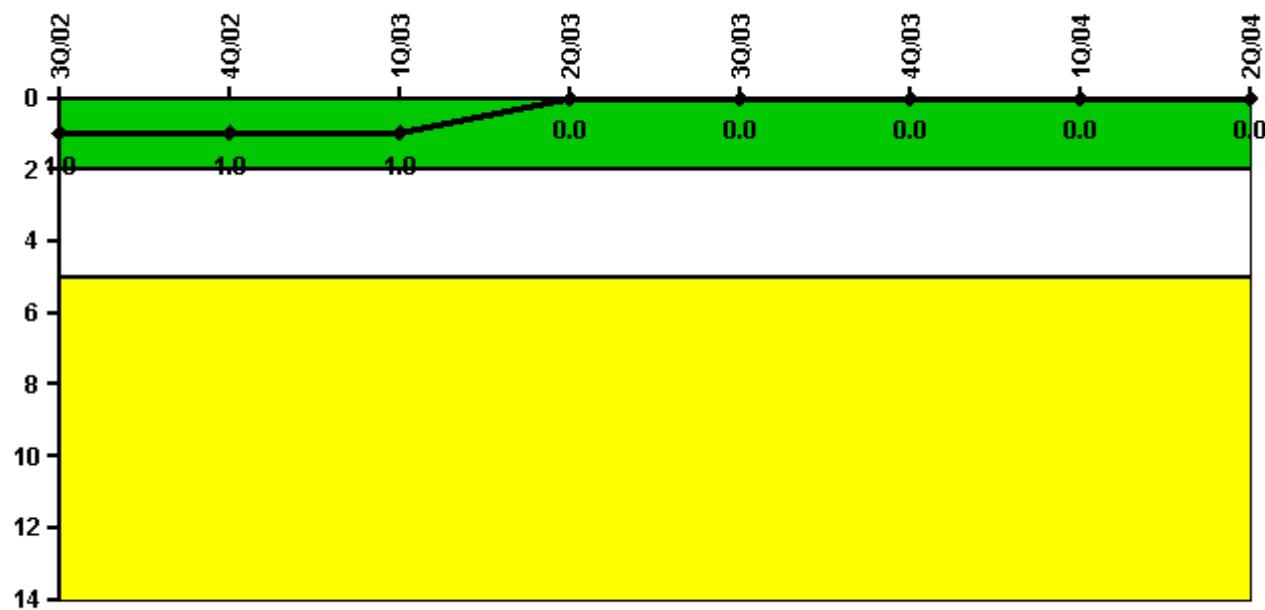
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Successful siren-tests	142	144	146	143	146	146	146	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	96.6%	97.4%	98.0%	97.8%	98.5%	98.8%	98.8%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness

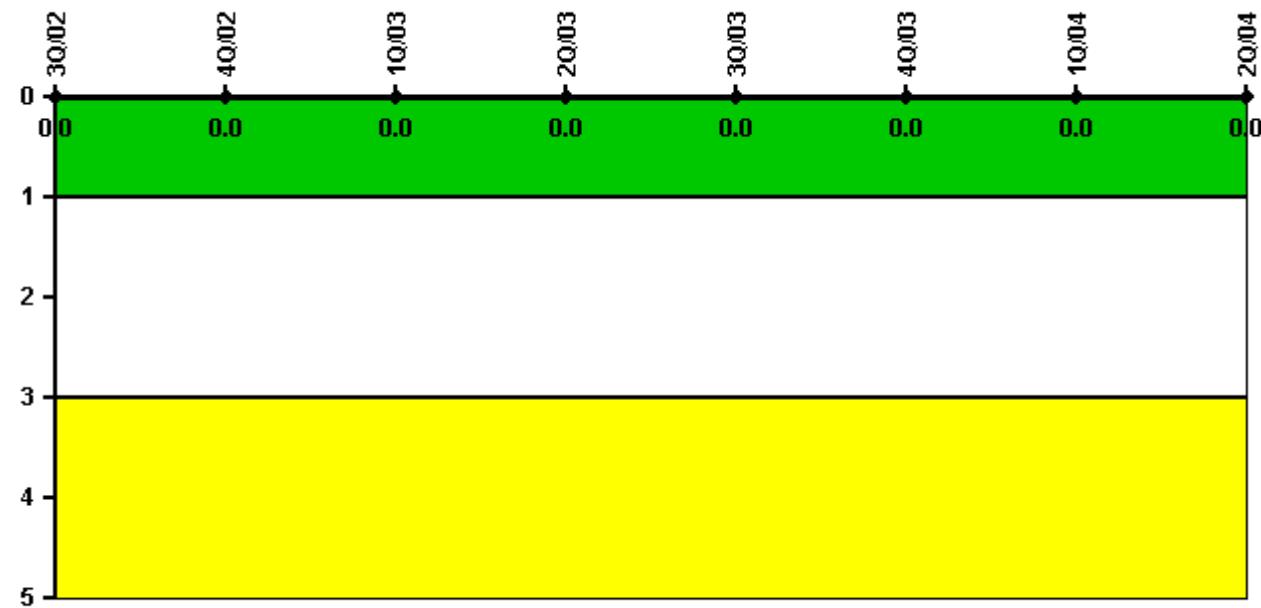


Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/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

Arkansas Nuclear 1**3Q/2004 Performance Indicators**

Licensee's General Comments: none

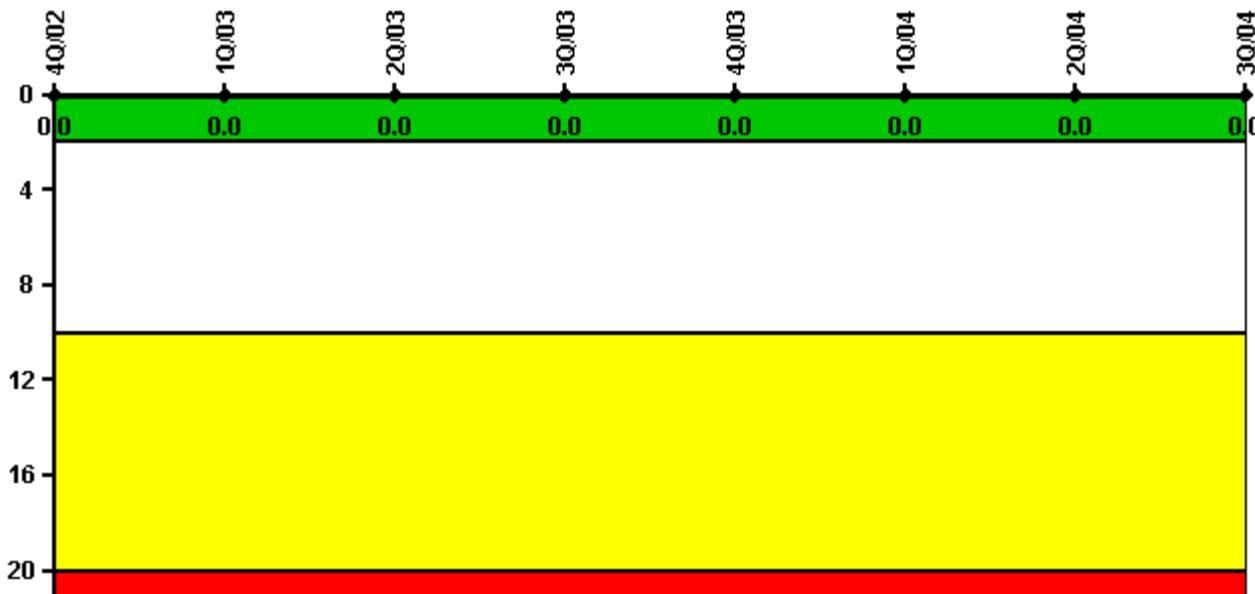
Unplanned Scrams per 7000 Critical Hrs

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	1.0	0	0	1.0	0	0	0	0
Critical hours	1289.2	2160.0	2183.0	2174.9	1613.5	2184.0	1471.2	2208.0
Indicator value	0.9	0.9	0.9	1.8	0.9	0.9	0.9	0

Licensee Comments: none

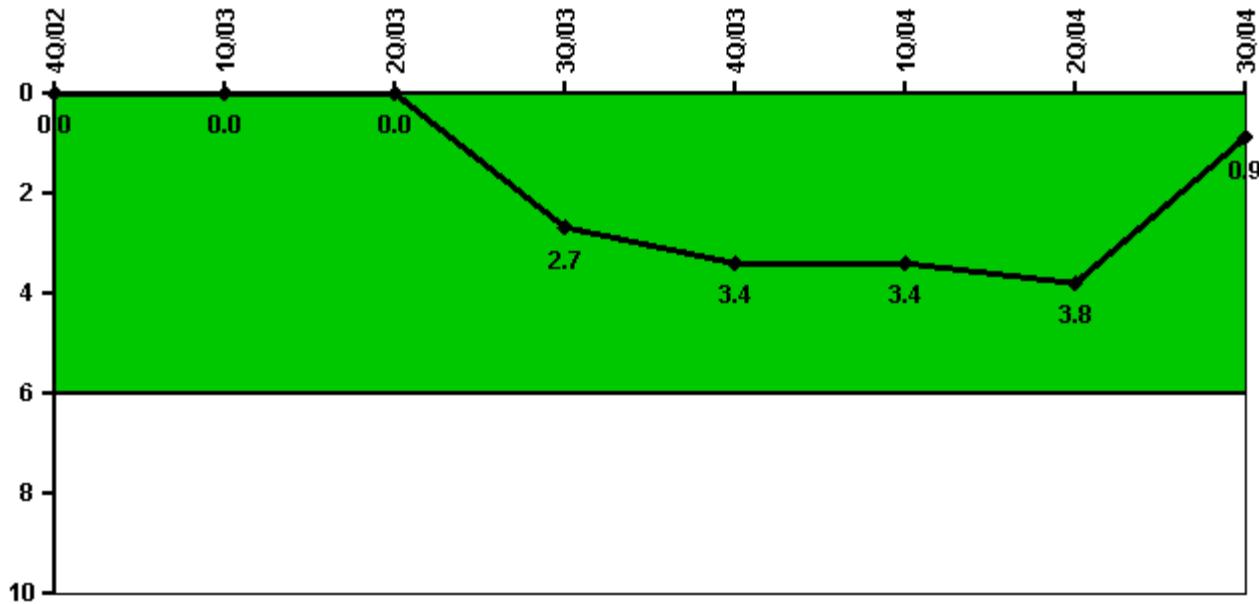
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

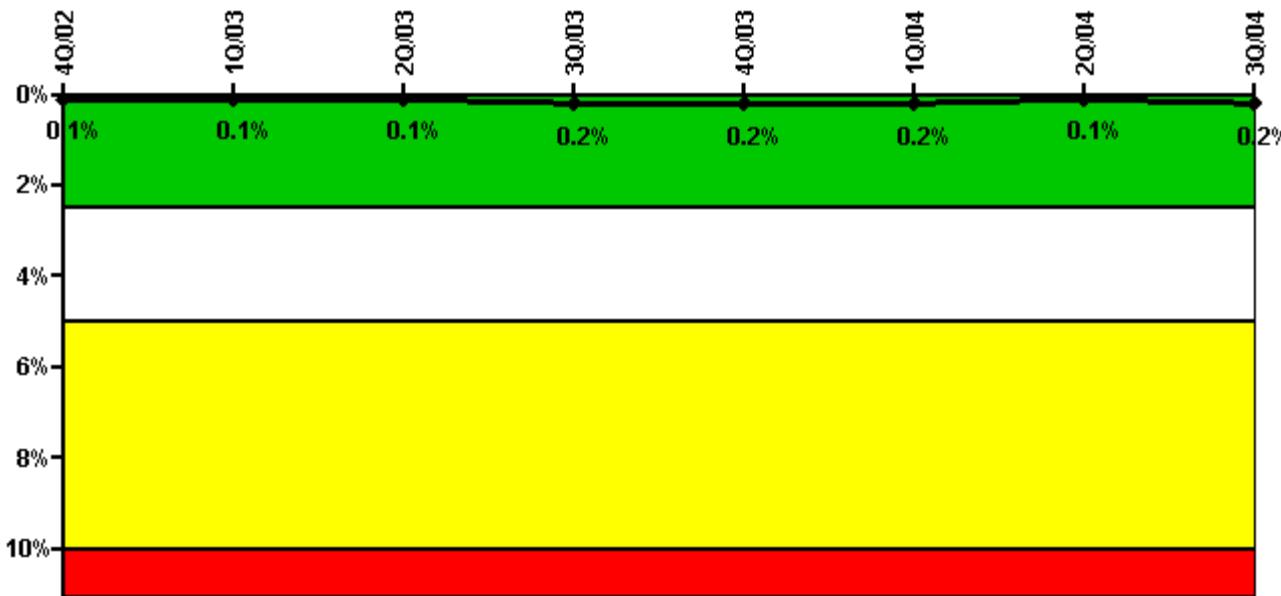
Thresholds: White > 6.0

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	3.0	1.0	0	0	0
Critical hours	1289.2	2160.0	2183.0	2174.9	1613.5	2184.0	1471.2	2208.0
Indicator value	0	0	0	2.7	3.4	3.4	3.8	0.9

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



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

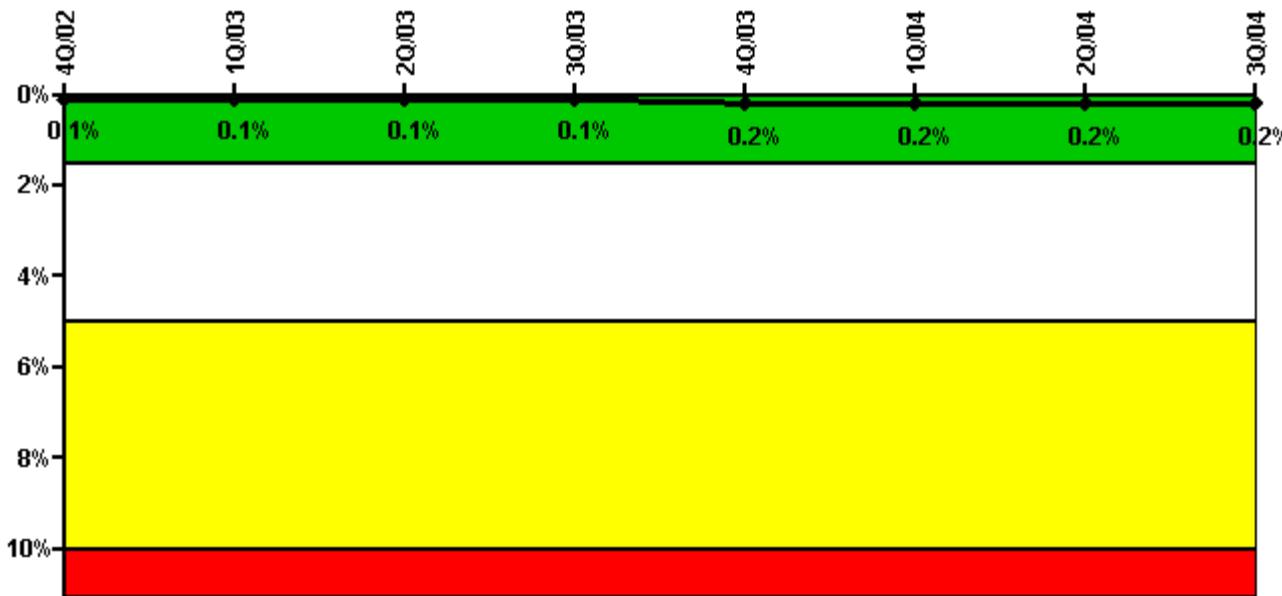
Notes

Safety System Unavailability, Emergency AC Power	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	3.03	21.40	3.38	0.90	0.83	1.33	1.23	8.20
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	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	7.82	0.50	0.91	24.30	0.65	0.78	0.85	20.40
Unplanned unavailable hours	0	0	0	0	0	0	0	11.08
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%	0.1%	0.2%

Licensee Comments:

3Q/04: An Engineering Evaluation is in progress to determine what, if any, Fault Exposure hours may be associated with a temperature switch repair on the Train 2 Diesel Generator in July 2004. Any Fault Exposure hours determined to exist will be included in the 4th quarter reporting.

Safety System Unavailability, High Pressure Injection System (HPSI)



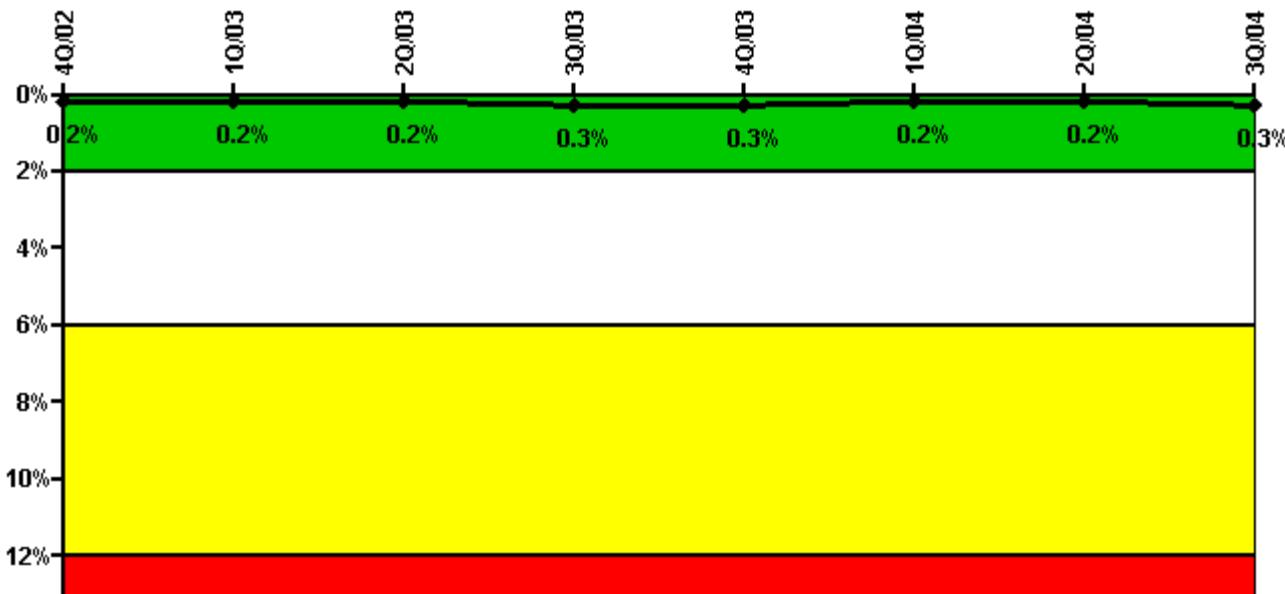
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	0	0	16.80	0	0	0	17.12
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1289.20	2160.00	2183.00	2174.90	2209.00	2184.00	1471.15	2208.00
Train 2								
Planned unavailable hours	0	0	8.10	5.10	36.87	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1289.20	2160.00	2183.00	2174.90	2209.00	2184.00	1471.15	2208.00
Indicator value	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



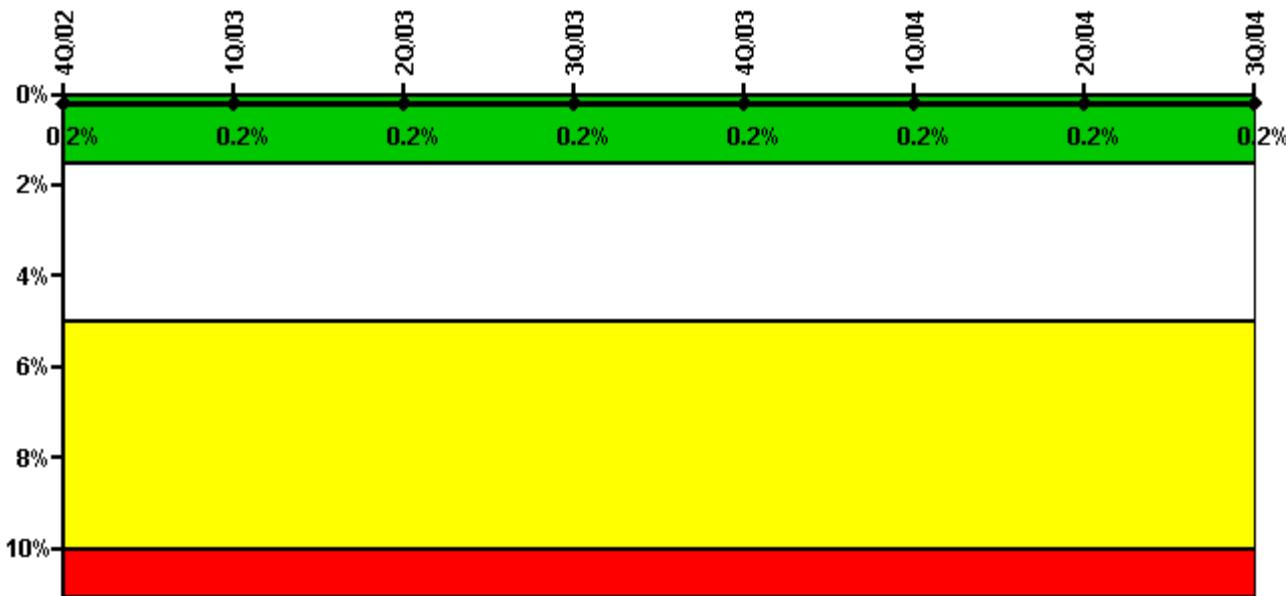
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	0	0	0	27.30	0	0.93	5.10	21.90
Unplanned unavailable hours	0	0	0	33.30	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1343.60	2160.00	2183.00	2208.00	2209.00	2184.00	1317.00	2208.00
Train 2								
Planned unavailable hours	0	0	10.60	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1416.70	2160.00	2183.00	2208.00	2209.00	2184.00	1720.00	2208.00
Indicator value	0.2%	0.2%	0.2%	0.3%	0.3%	0.2%	0.2%	0.3%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

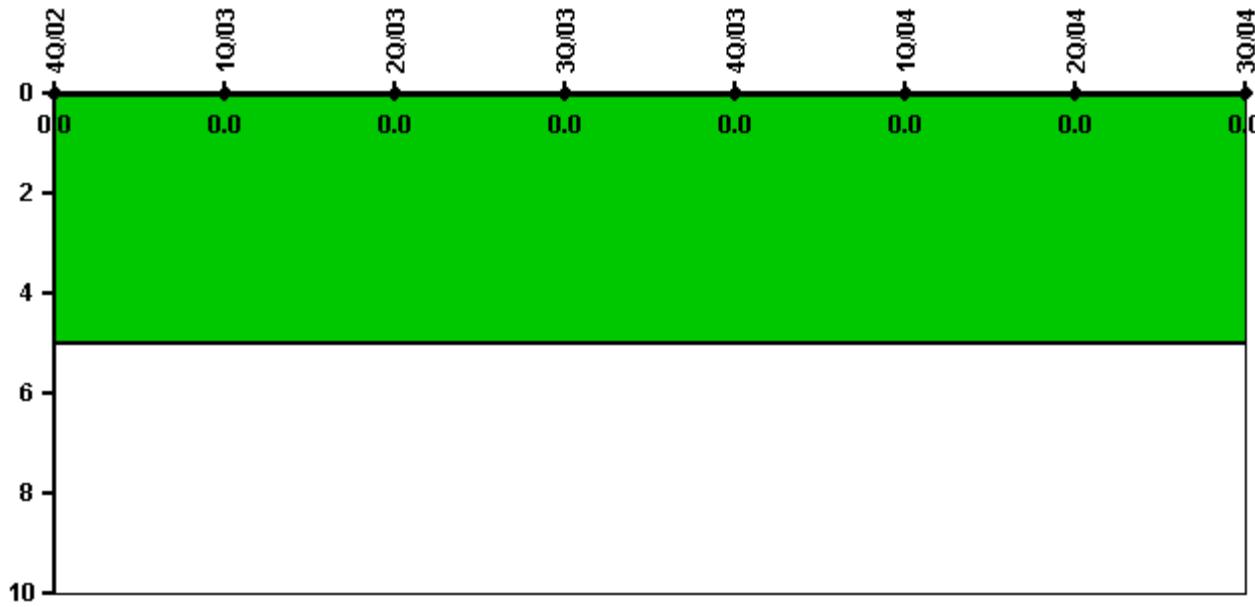


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	19.50	0	19.30	0	0	0	0	10.48
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	0	0	0	0	13.28	7.42	0	12.22
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	0.2%							

Licensee Comments: none

Safety System Functional Failures (PWR)

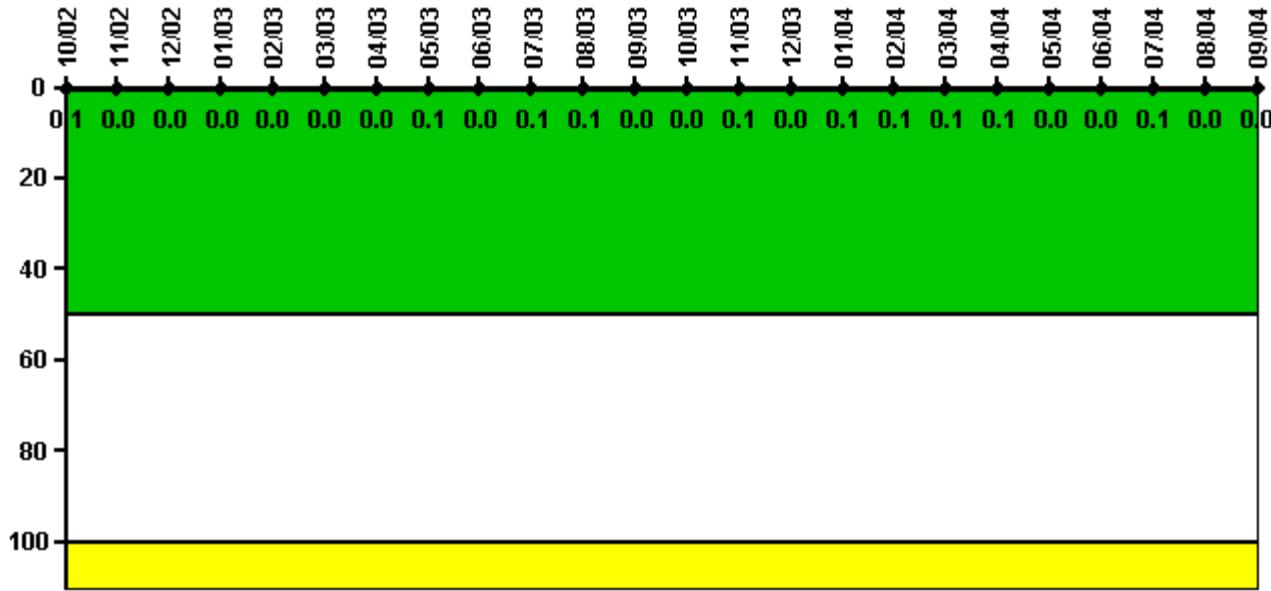
Thresholds: White > 5.0

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	0	0	0
Indicator value	0							

Licensee Comments: none

Reactor Coolant System Activity



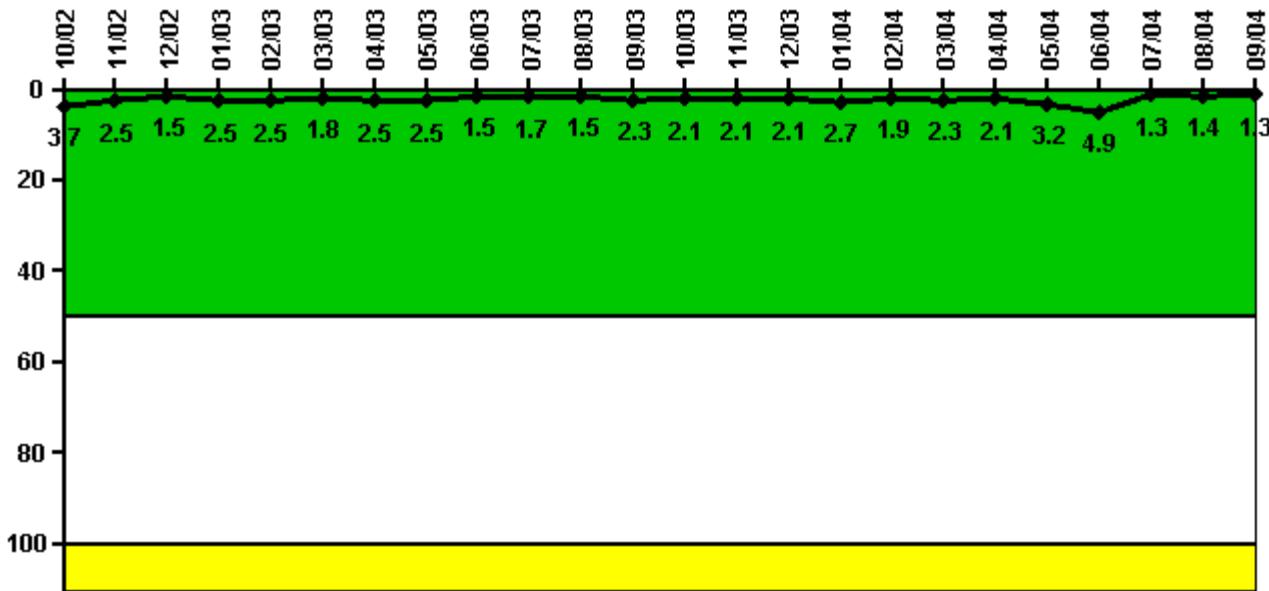
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.005180	0.000930	0.000958	0.001060	0.001090	0.001120	0.001220	0.003790	0.001450	0.002070	0.002300	0.001670
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0	0	0	0	0	0	0.1	0	0.1	0.1	0
Reactor Coolant System Activity	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum activity	0.001650	0.002720	0.001730	0.001830	0.001890	0.001930	0.003910	0.000834	0.001660	0.001960	0.001390	0.001230
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0.1	0	0.1	0.1	0.1	0.1	0	0	0.1	0	0

Licensee Comments: none

Reactor Coolant System Leakage

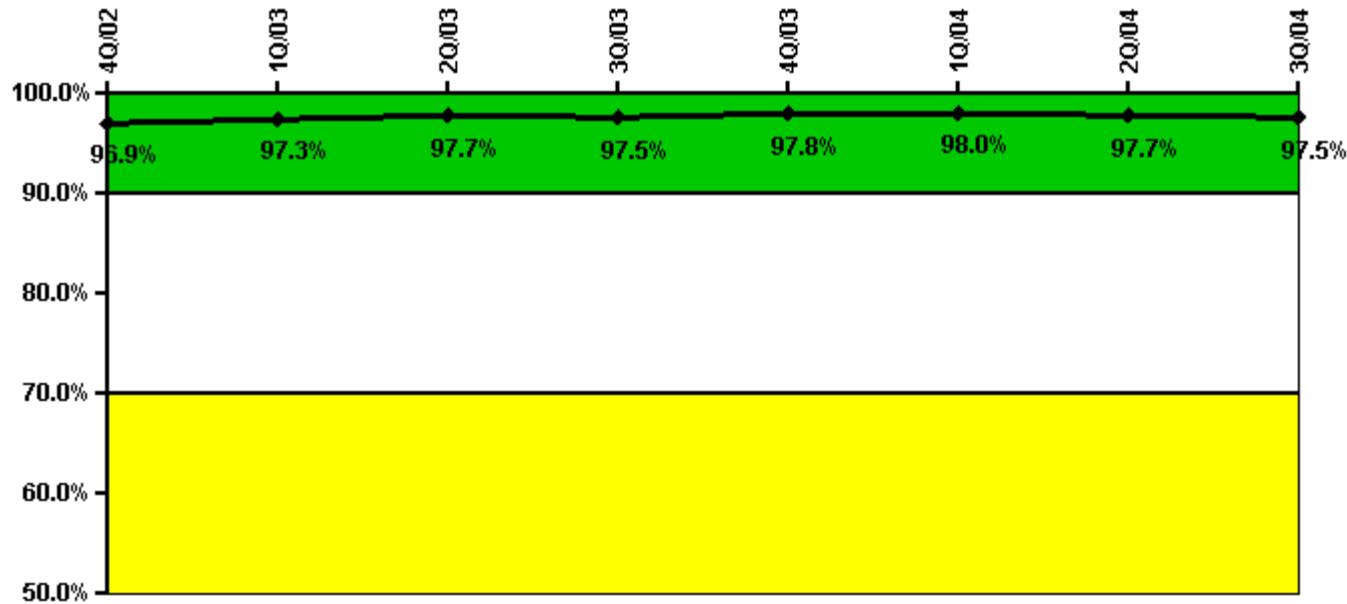


Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.372	0.252	0.151	0.252	0.253	0.181	0.245	0.252	0.151	0.171	0.153	0.230
Indicator value	3.7	2.5	1.5	2.5	2.5	1.8	2.5	2.5	1.5	1.7	1.5	2.3
Reactor Coolant System Leakage	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	0.211	0.211	0.211	0.272	0.189	0.234	0.208	0.315	0.488	0.131	0.142	0.132
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	2.1	2.1	2.7	1.9	2.3	2.1	3.2	4.9	1.3	1.4	1.3

Licensee Comments: none

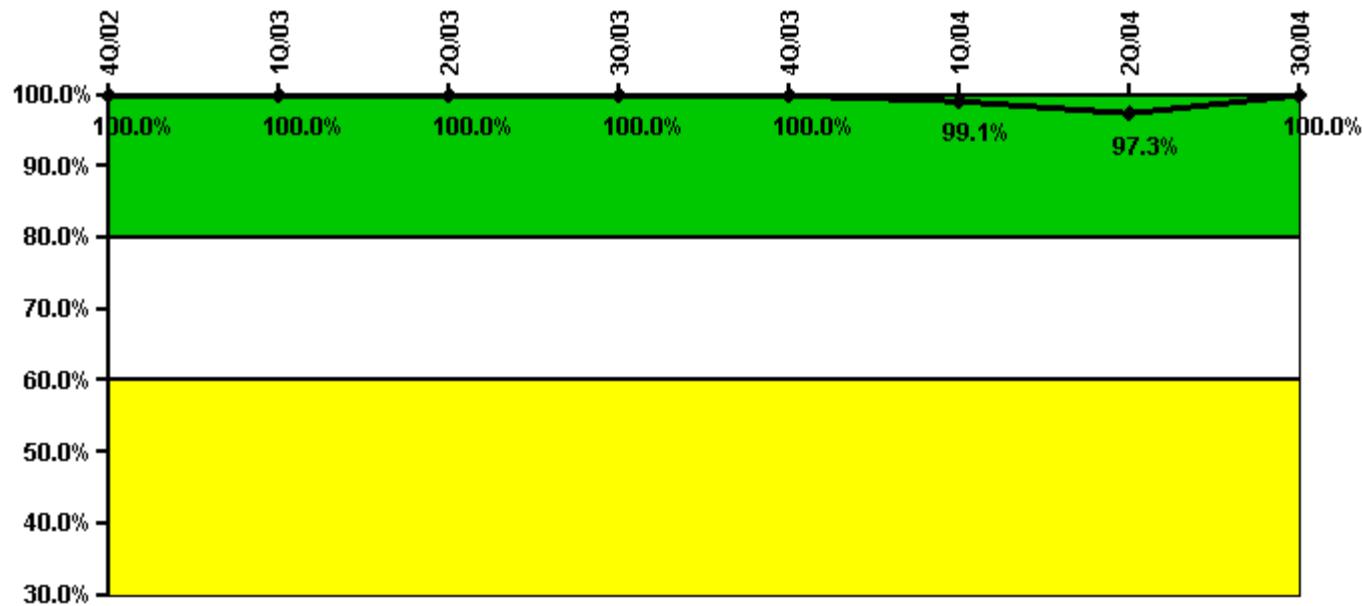
Drill/Exercise Performance

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	38.0	45.0	78.0	43.0	44.0	13.0	13.0	37.0
Total opportunities	39.0	46.0	79.0	45.0	46.0	13.0	14.0	37.0
Indicator value	96.9%	97.3%	97.7%	97.5%	97.8%	98.0%	97.7%	97.5%

Licensee Comments: none

ERO Drill Participation

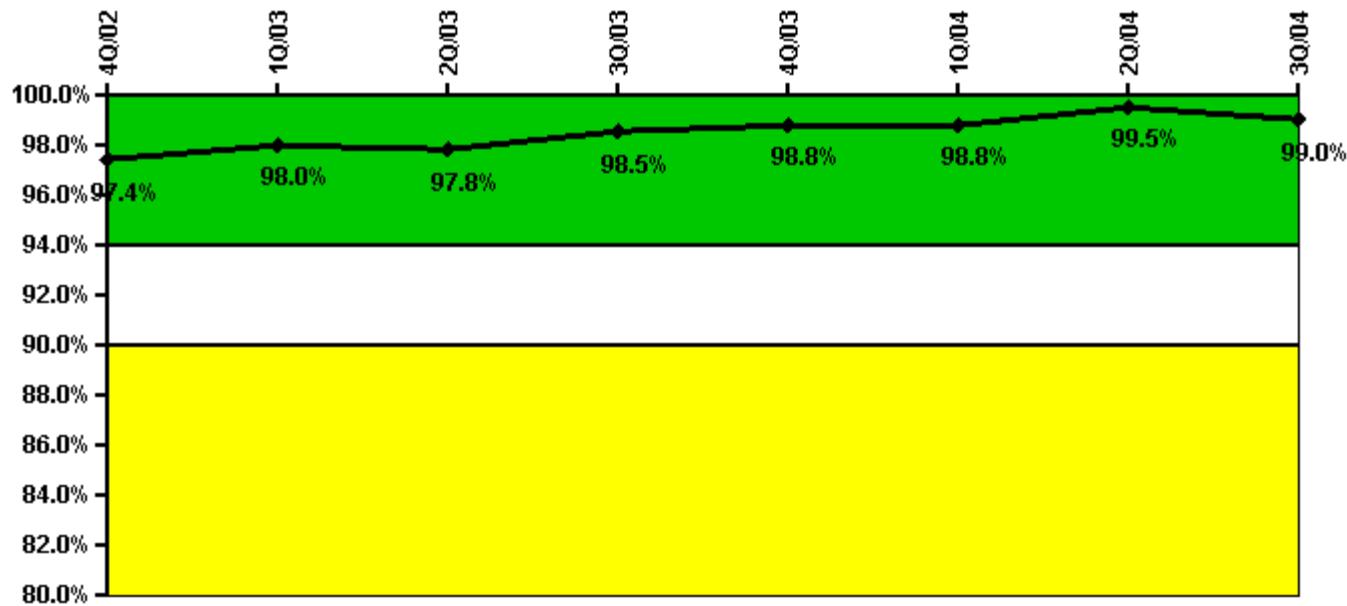
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Participating Key personnel	126.0	117.0	123.0	126.0	118.0	116.0	108.0	109.0
Total Key personnel	126.0	117.0	123.0	126.0	118.0	117.0	111.0	109.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	99.1%	97.3%	100.0%

Licensee Comments: none

Alert & Notification System

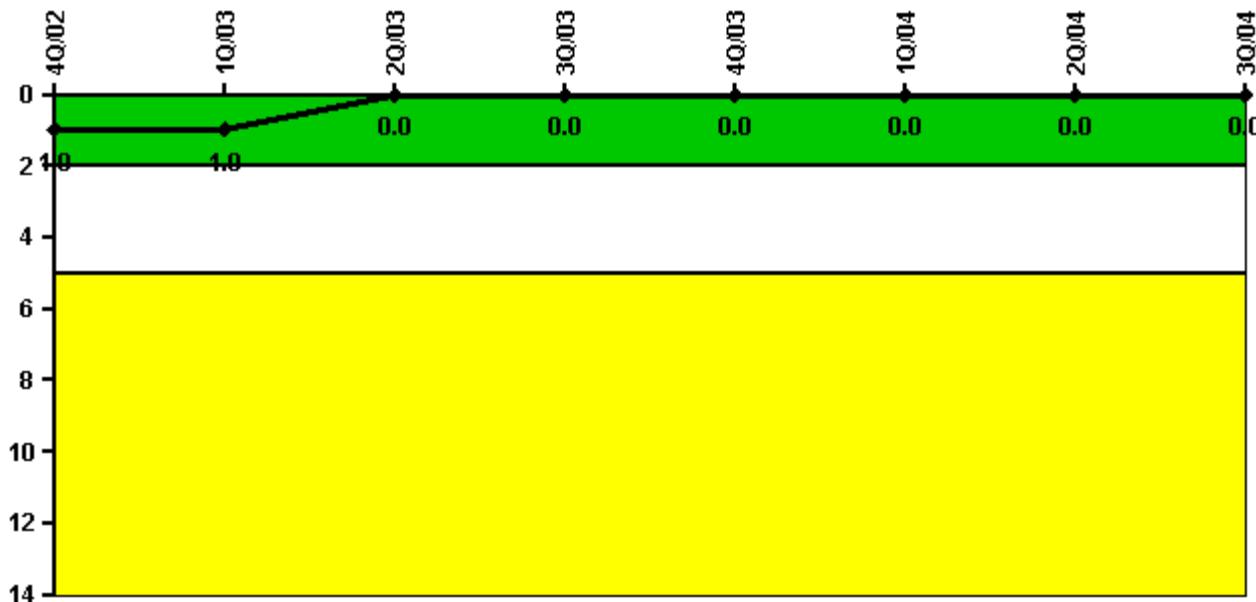


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful siren-tests	144	146	143	146	146	146	147	143
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	97.4%	98.0%	97.8%	98.5%	98.8%	98.8%	99.5%	99.0%

Licensee Comments: none

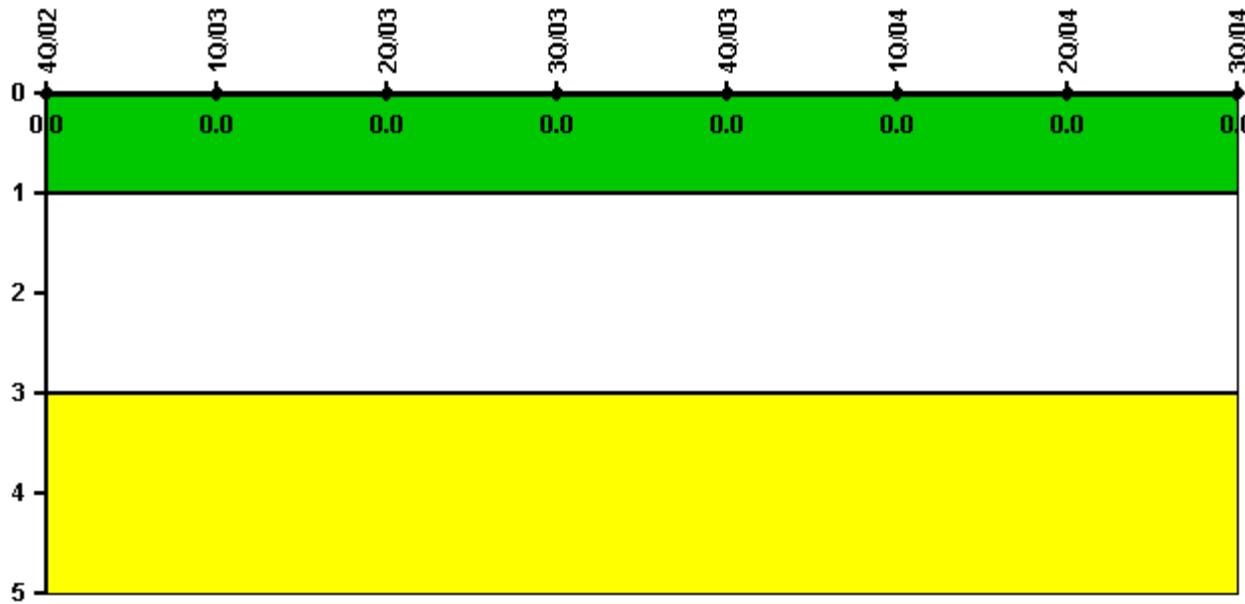
Occupational Exposure Control Effectiveness

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	1	1	0	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/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.

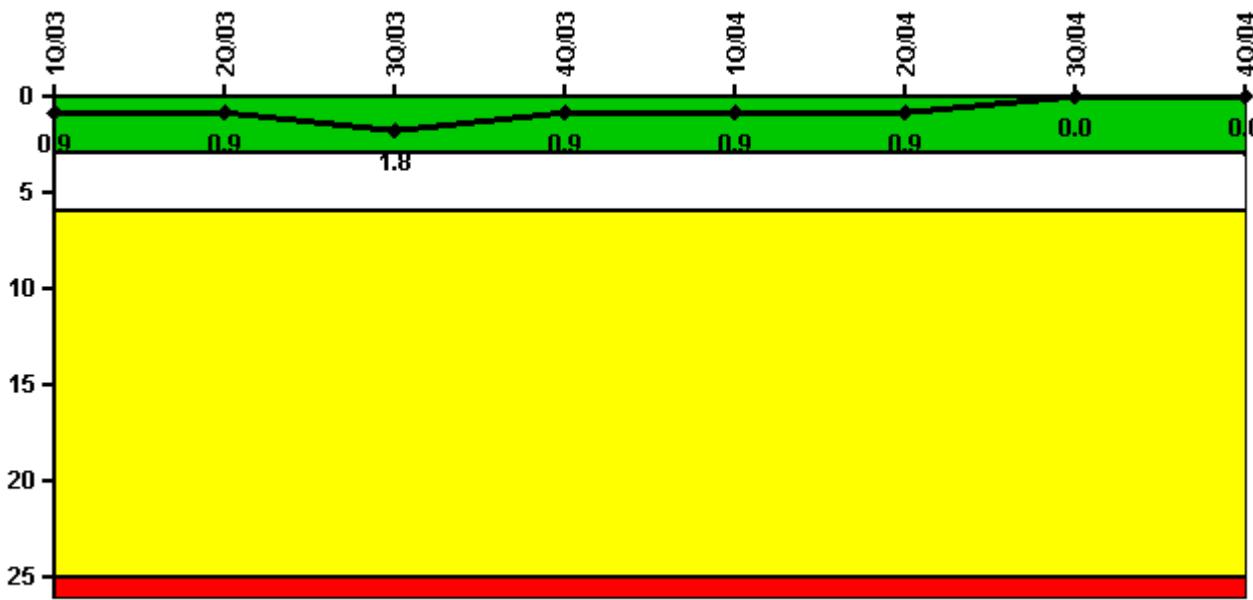


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: October 25, 2004

Arkansas Nuclear 1**4Q/2004 Performance Indicators**

Licensee's General Comments: none

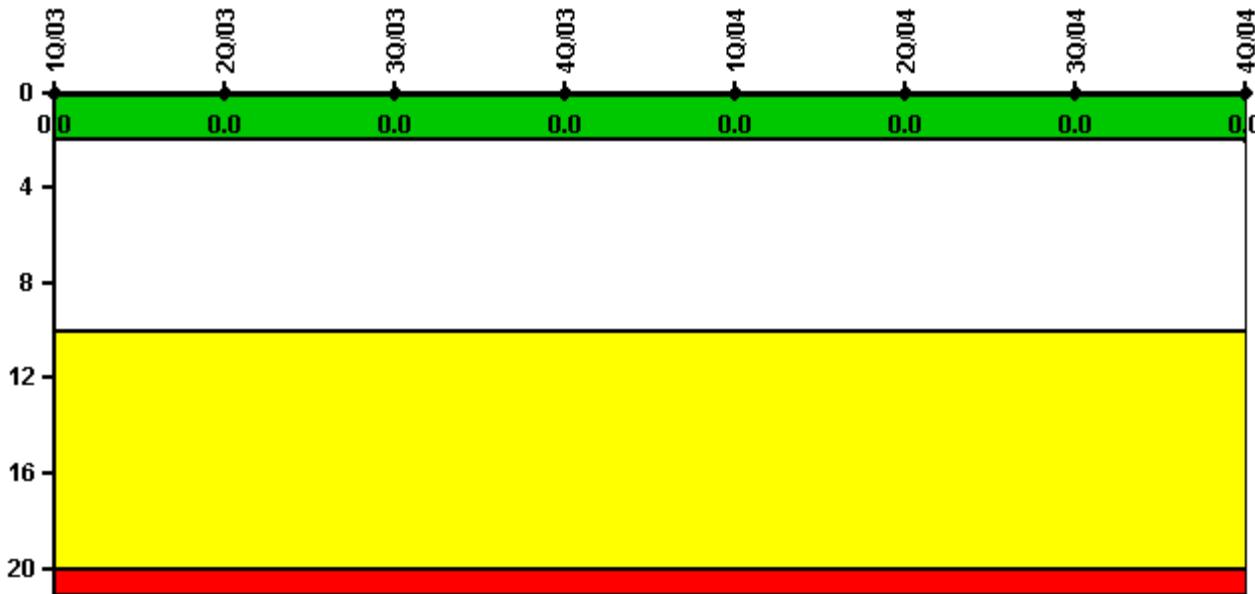
Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2160.0	2183.0	2174.9	1613.5	2184.0	1471.2	2208.0	2209.0
Indicator value	0.9	0.9	1.8	0.9	0.9	0.9	0	0

Licensee Comments: none

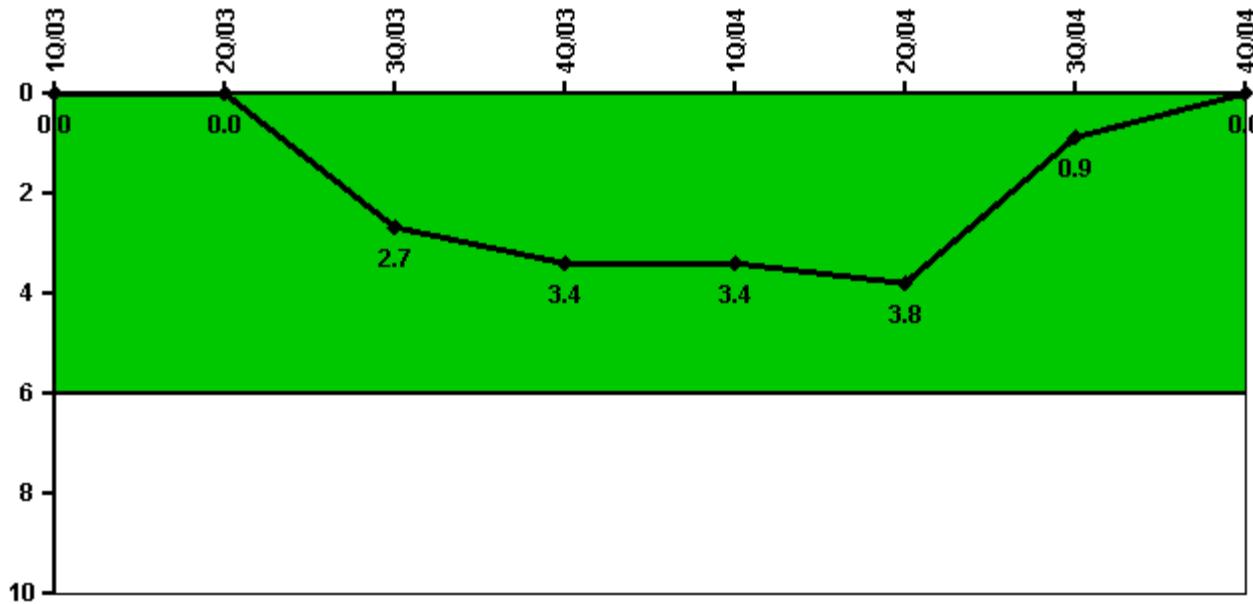
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

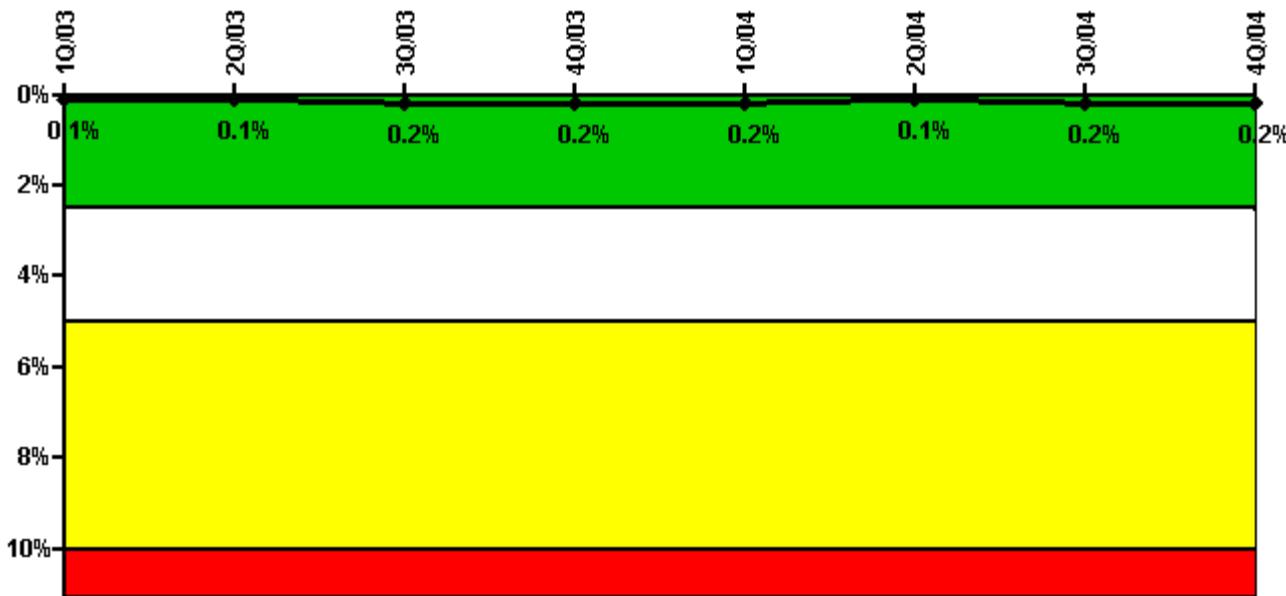
Thresholds: White > 6.0

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	3.0	1.0	0	0	0	0
Critical hours	2160.0	2183.0	2174.9	1613.5	2184.0	1471.2	2208.0	2209.0
Indicator value	0	0	2.7	3.4	3.4	3.8	0.9	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



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

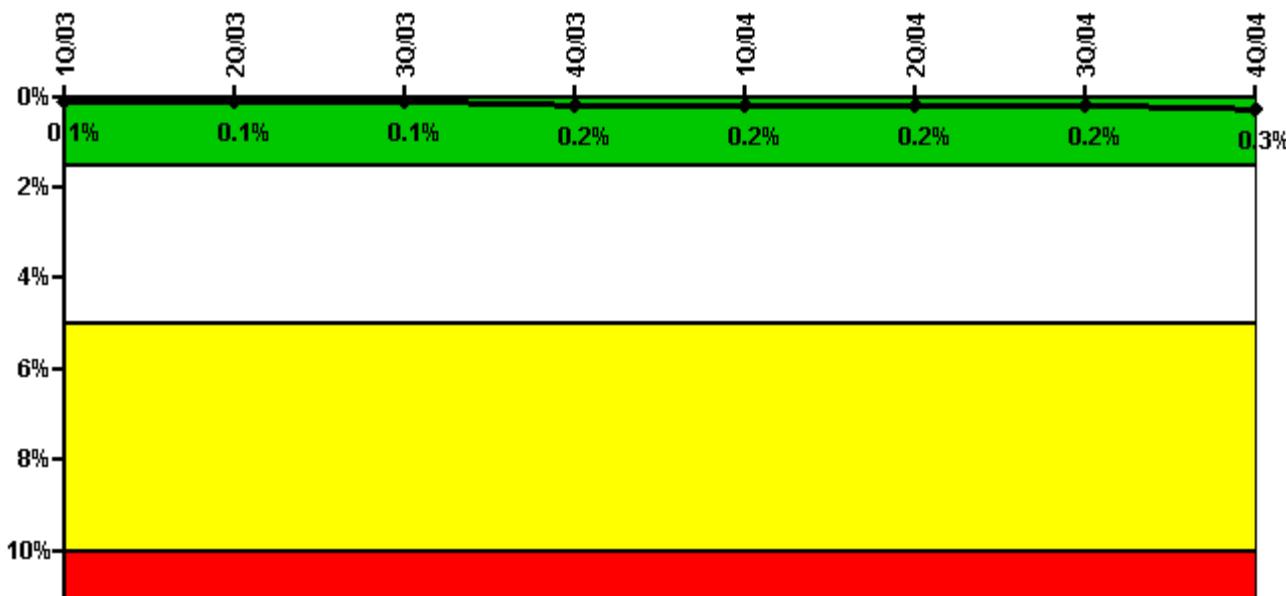
Notes

Safety System Unavailability, Emergency AC Power	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	21.40	3.38	0.90	0.83	1.33	1.23	8.20	0.91
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0.50	0.91	24.30	0.65	0.78	0.85	20.40	1.15
Unplanned unavailable hours	0	0	0	0	0	0	11.08	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	0.1%	0.1%	0.2%	0.2%	0.2%	0.1%	0.2%	0.2%

Licensee Comments:

4Q/04: The Engineering Evaluation referenced in the 3rd quarter 2004 submittal was completed, and concluded that no Fault Exposure hours existed due to the Train 2 Emergency Diesel Generator Temperature Switch repair in July 2004. An Engineering Evaluation is currently in progress to evaluate 13.05 hours of potential unavailability associated with an Exhaust Fan Damper issue that occurred in the 3rd Quarter 2004. The results of this Evaluation will be reported with the 1st Quarter 2005 submittal and will not impact the performance indicator color.

Safety System Unavailability, High Pressure Injection System (HPSI)



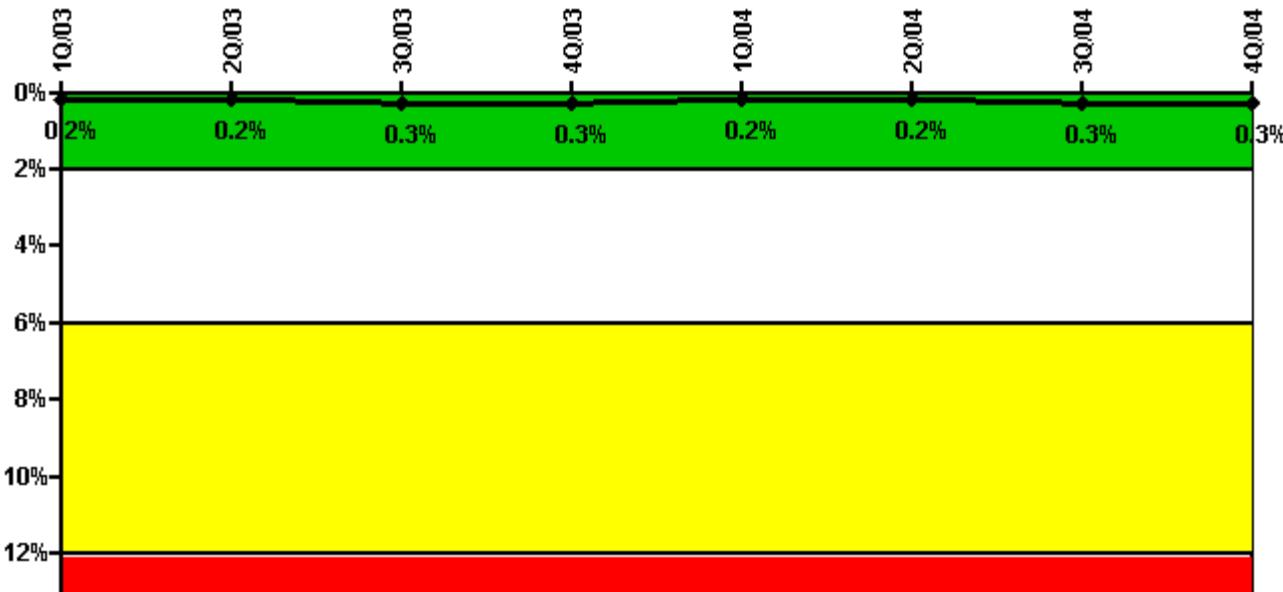
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	0	16.80	0	0	0	17.12	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	2174.90	2209.00	2184.00	1471.15	2208.00	2209.00
Train 2								
Planned unavailable hours	0	8.10	5.10	36.87	0	0	0	57.20
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	2160.00	2183.00	2174.90	2209.00	2184.00	1471.15	2208.00	2209.00
Indicator value	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%	0.2%	0.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



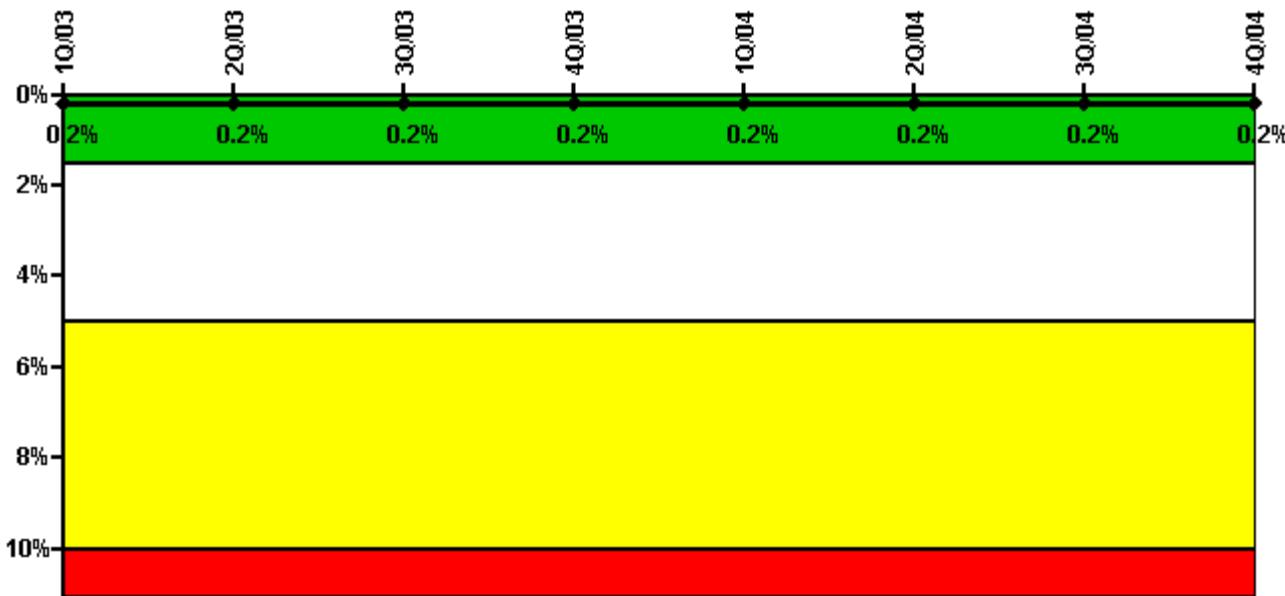
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	0	0	27.30	0	0.93	5.10	21.90	0
Unplanned unavailable hours	0	0	33.30	0	0	0	0	14.90
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	1317.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0	10.60	0	0	0	0	0	24.80
Unplanned unavailable hours	0	0	0	0	0	0	0	5.70
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	1720.00	2208.00	2209.00
Indicator value	0.2%	0.2%	0.3%	0.3%	0.2%	0.2%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

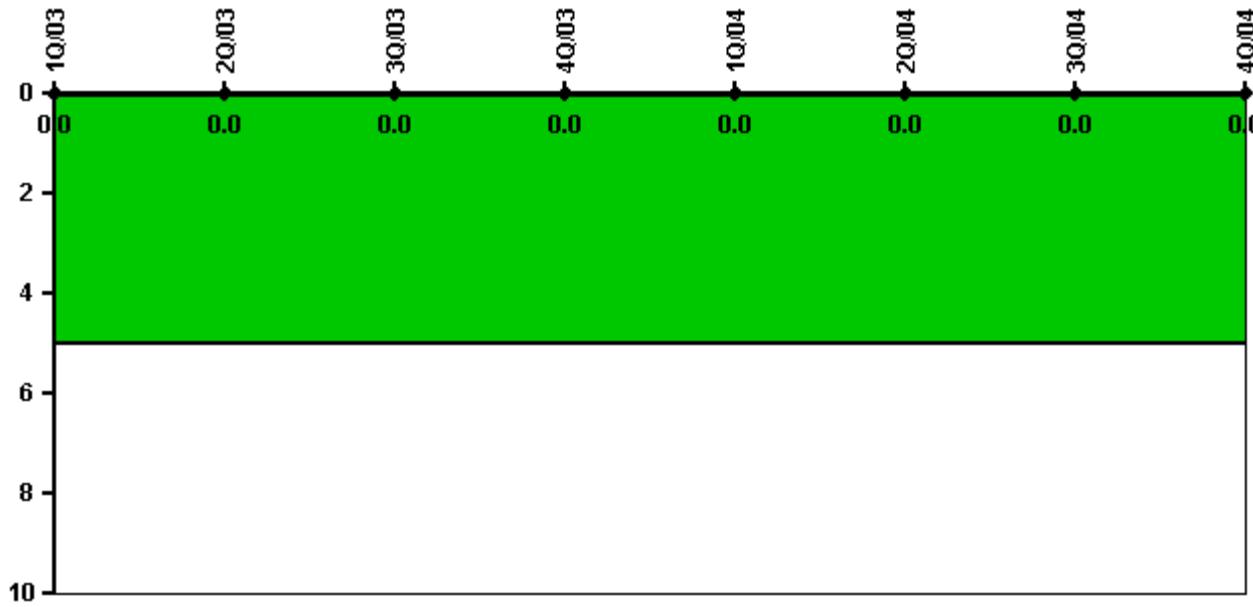


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	0	19.30	0	0	0	0	10.48	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	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0	0	0	13.28	7.42	0	12.22	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	0.2%							

Licensee Comments: none

Safety System Functional Failures (PWR)

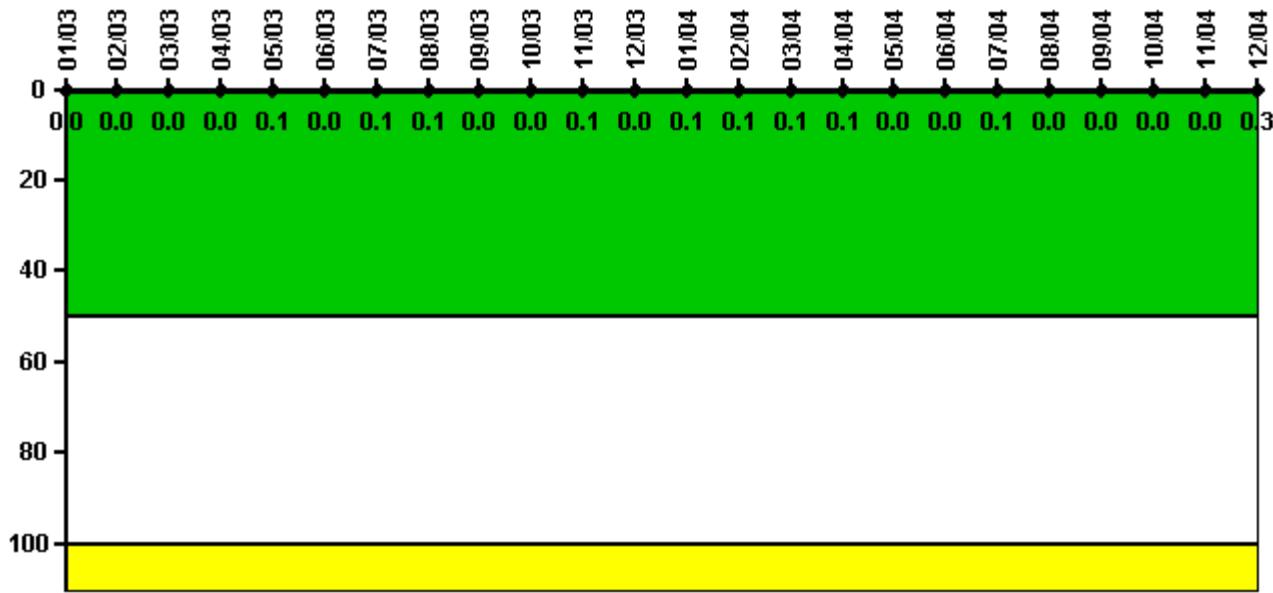
Thresholds: White > 5.0

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	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



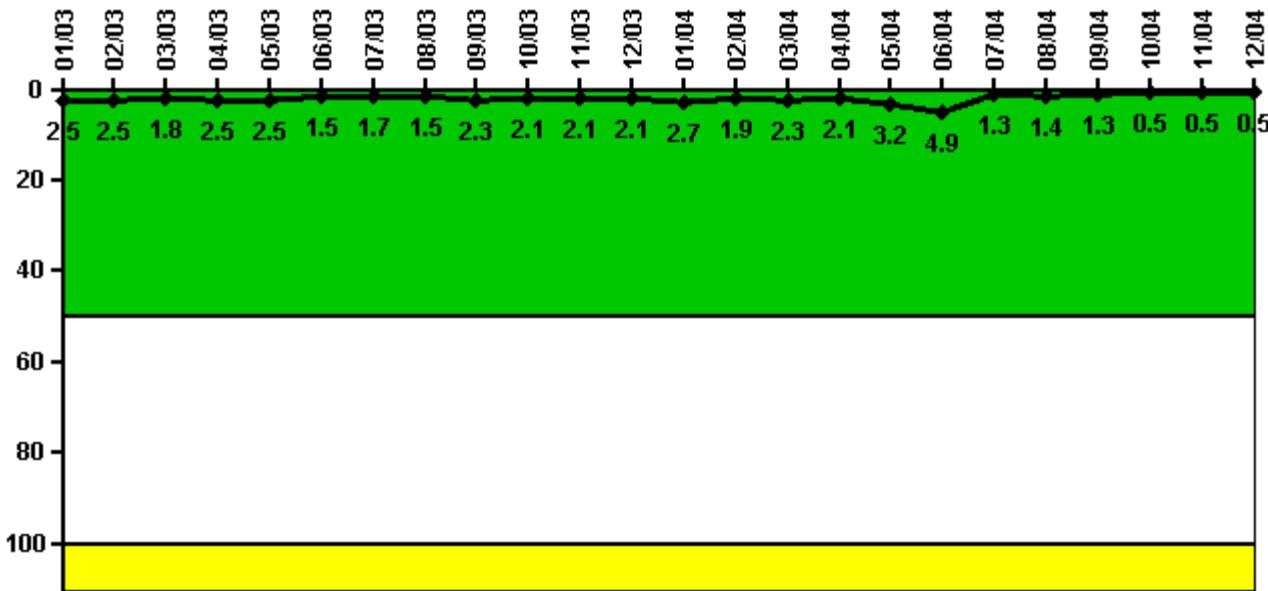
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum activity	0.001060	0.001090	0.001120	0.001220	0.003790	0.001450	0.002070	0.002300	0.001670	0.001650	0.002720	0.001730
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0	0	0	0.1	0	0.1	0.1	0	0	0.1	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	0.001830	0.001890	0.001930	0.003910	0.000834	0.001660	0.001960	0.001390	0.001230	0.001230	0.001310	0.009090
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0.1	0.1	0.1	0	0	0.1	0	0	0	0	0.3

Licensee Comments: none

Reactor Coolant System Leakage

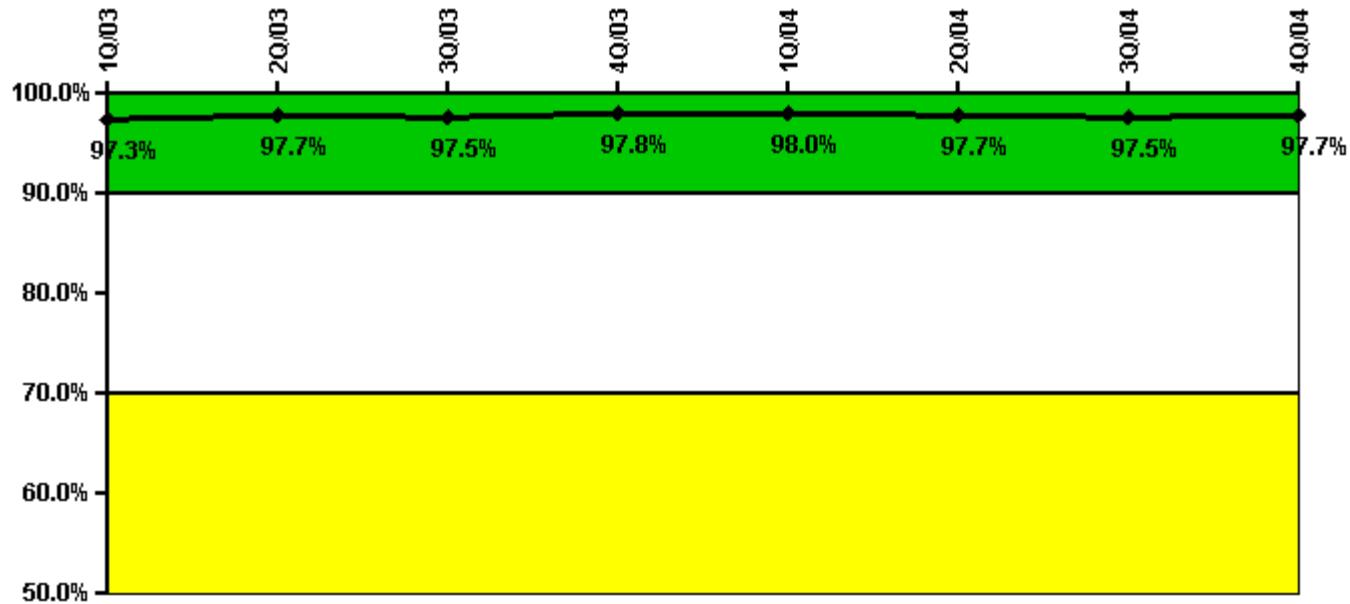


Thresholds: White > 50.0 Yellow > 100.0

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	0.252	0.253	0.181	0.245	0.252	0.151	0.171	0.153	0.230	0.211	0.211	0.211
Indicator value	2.5	2.5	1.8	2.5	2.5	1.5	1.7	1.5	2.3	2.1	2.1	2.1
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	0.272	0.189	0.234	0.208	0.315	0.488	0.131	0.142	0.132	0.054	0.052	0.048
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	2.7	1.9	2.3	2.1	3.2	4.9	1.3	1.4	1.3	0.5	0.5	0.5

Licensee Comments: none

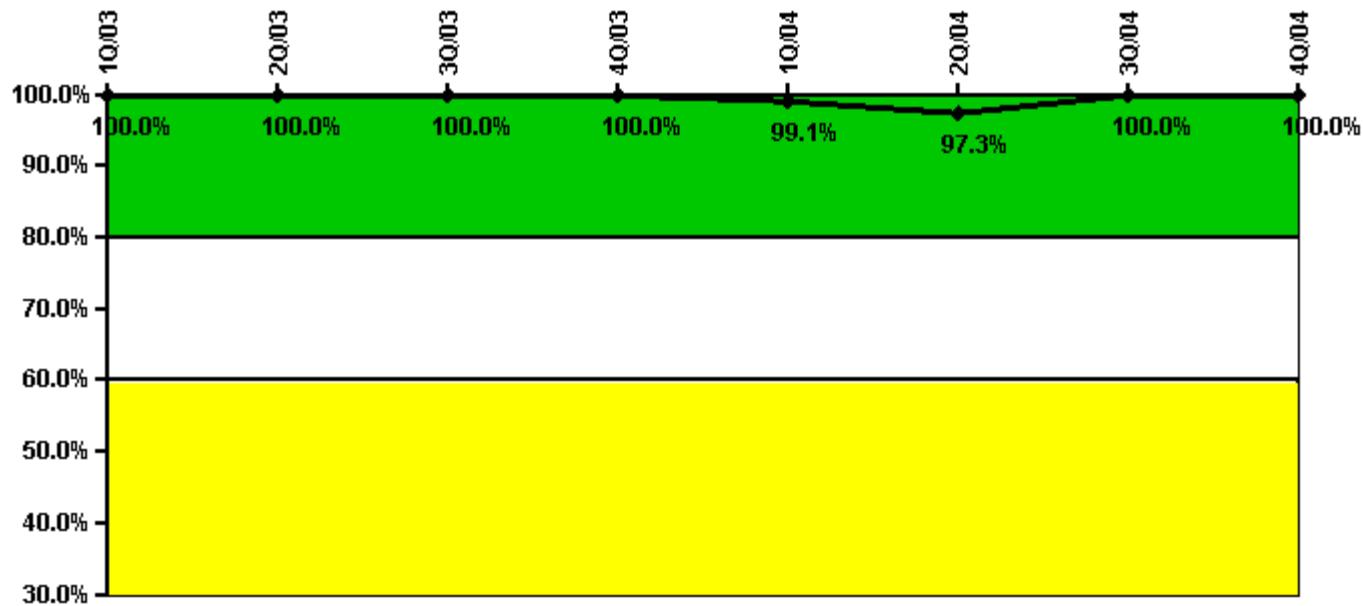
Drill/Exercise Performance

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	45.0	78.0	43.0	44.0	13.0	13.0	37.0	30.0
Total opportunities	46.0	79.0	45.0	46.0	13.0	14.0	37.0	30.0
Indicator value	97.3%	97.7%	97.5%	97.8%	98.0%	97.7%	97.5%	97.7%

Licensee Comments: none

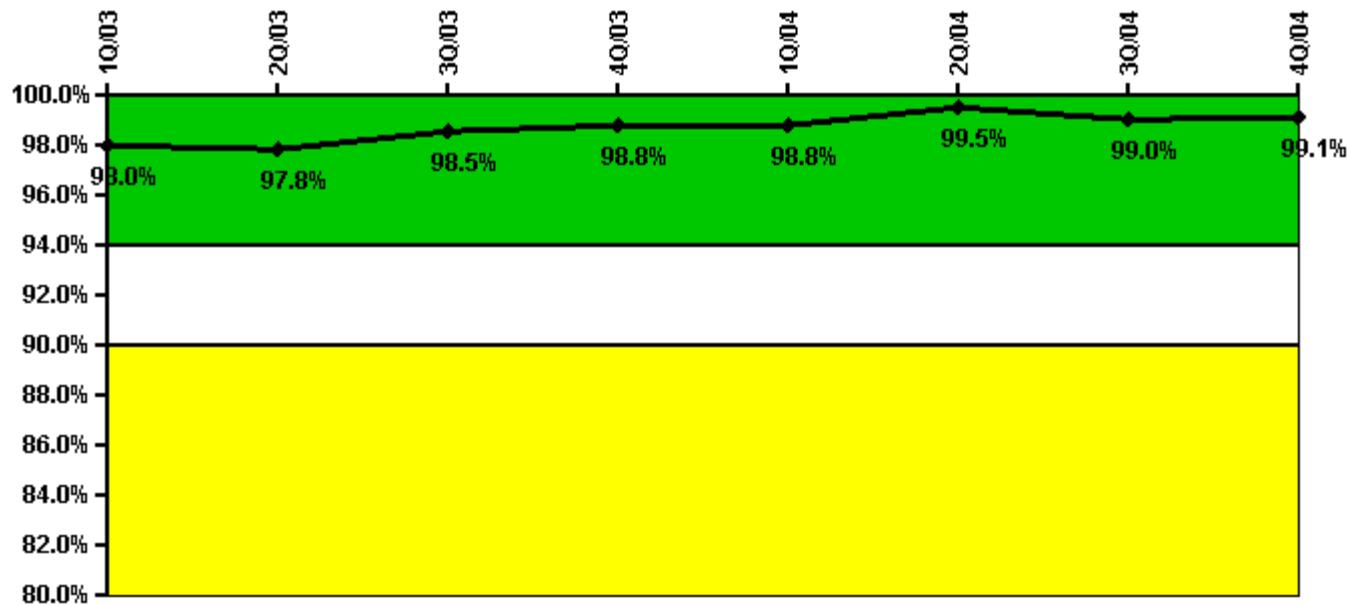
ERO Drill Participation

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	117.0	123.0	126.0	118.0	116.0	108.0	109.0	114.0
Total Key personnel	117.0	123.0	126.0	118.0	117.0	111.0	109.0	114.0
Indicator value	100.0%	100.0%	100.0%	100.0%	99.1%	97.3%	100.0%	100.0%

Licensee Comments: none

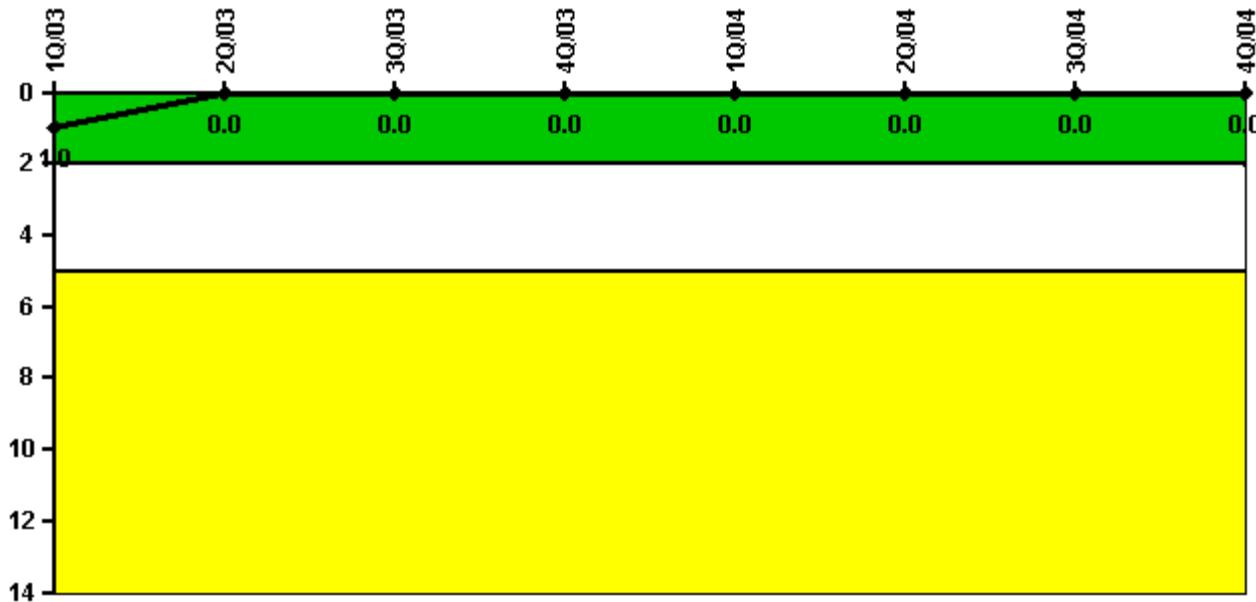
Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful siren-tests	146	143	146	146	146	147	143	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	98.0%	97.8%	98.5%	98.8%	98.8%	99.5%	99.0%	99.1%

Licensee Comments: none

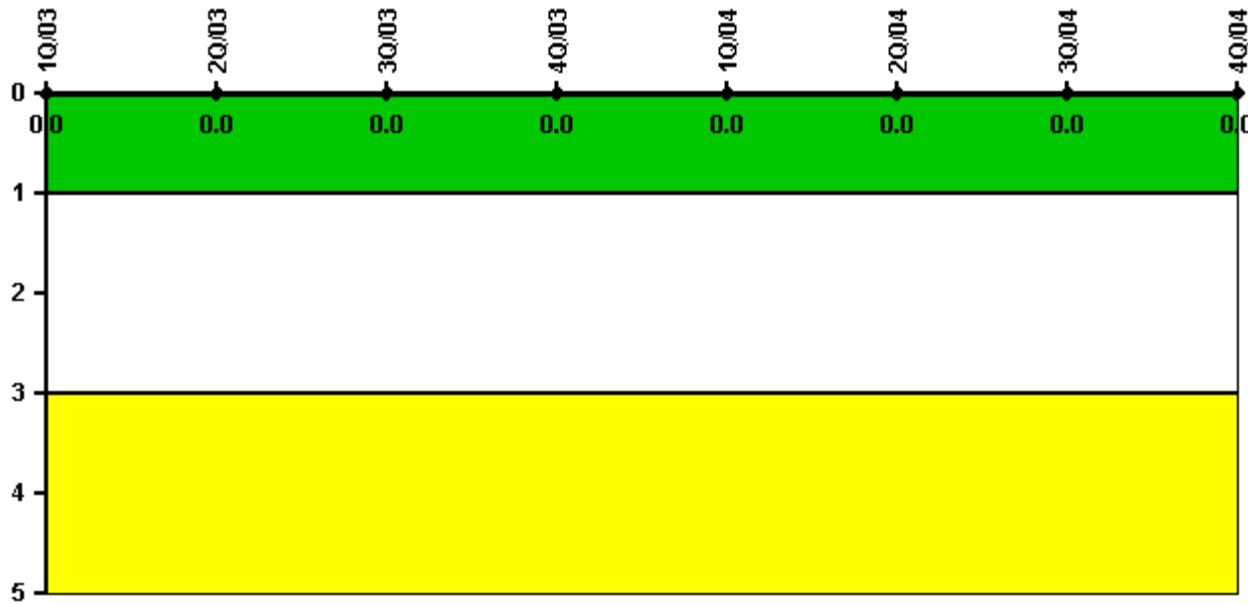
Occupational Exposure Control Effectiveness

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	1	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.

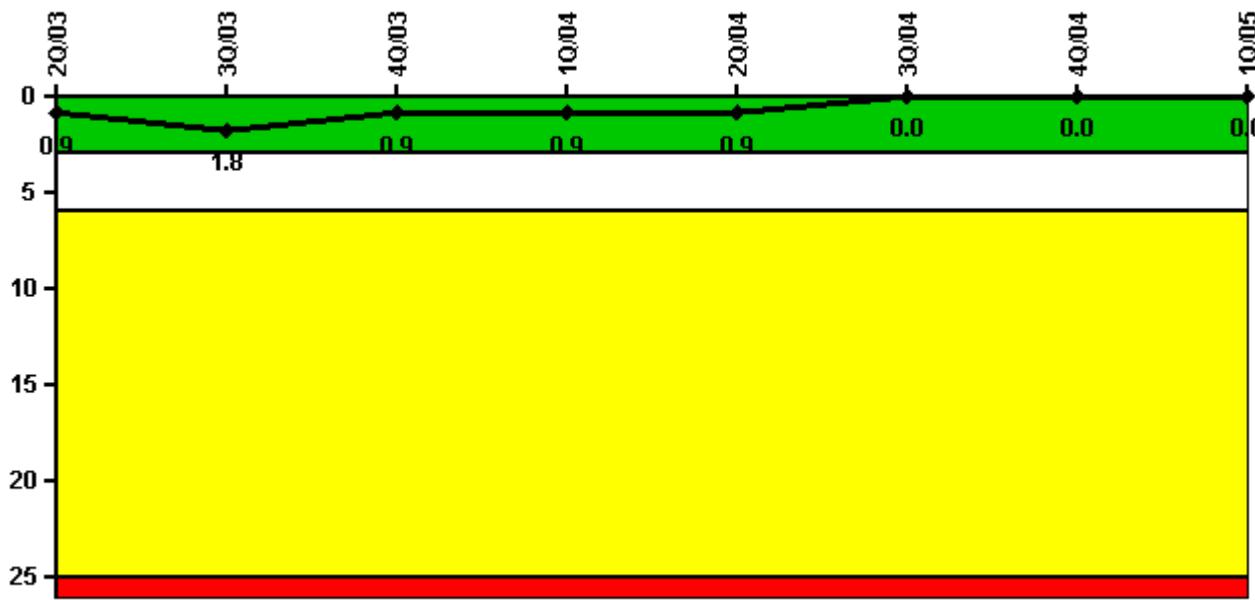


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 9, 2005

Arkansas Nuclear 1**1Q/2005 Performance Indicators**

Licensee's General Comments: none

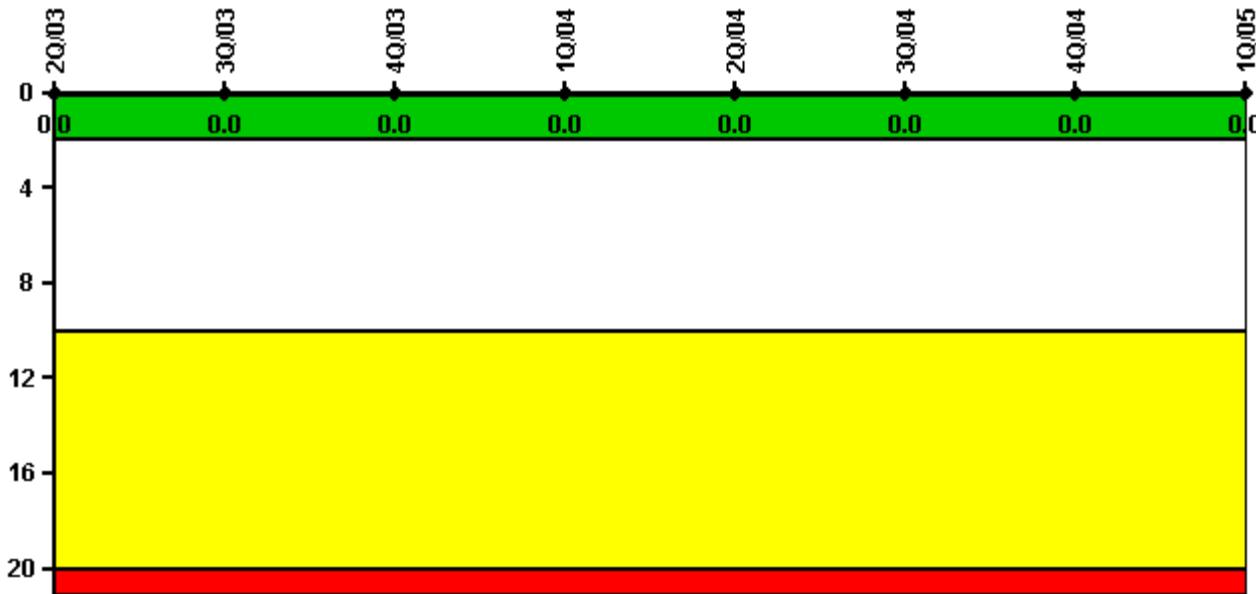
Unplanned Scrams per 7000 Critical Hrs

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	0	1.0	0	0	0	0	0	0
Critical hours	2183.0	2174.9	1613.5	2184.0	1471.2	2208.0	2209.0	2160.0
Indicator value	0.9	1.8	0.9	0.9	0.9	0	0	0

Licensee Comments: none

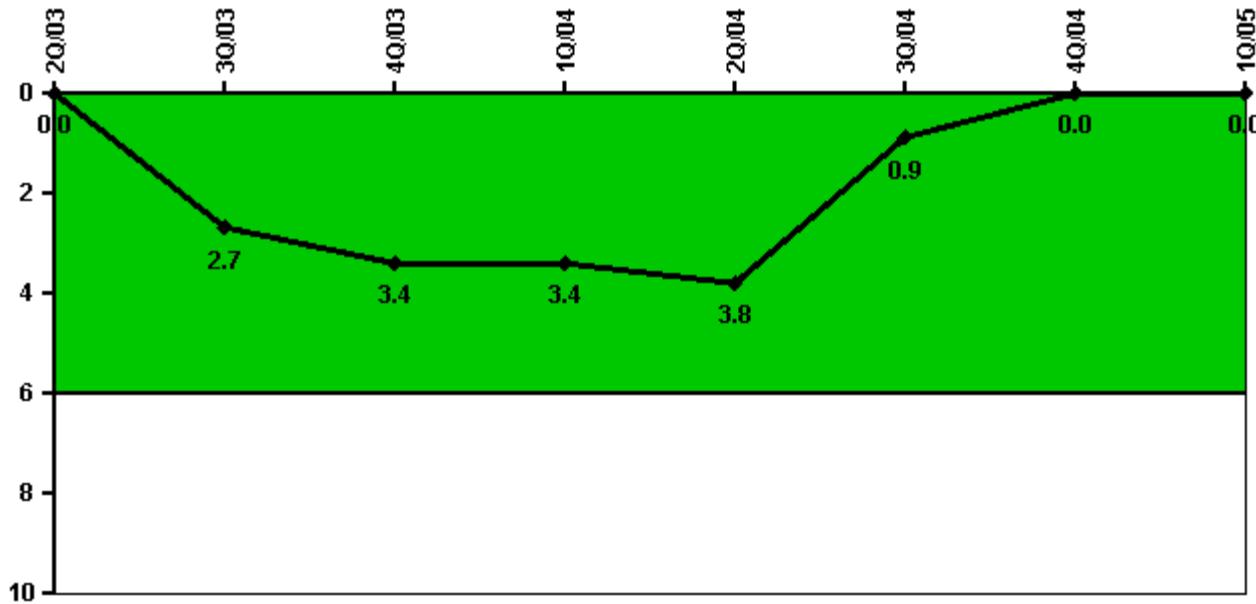
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

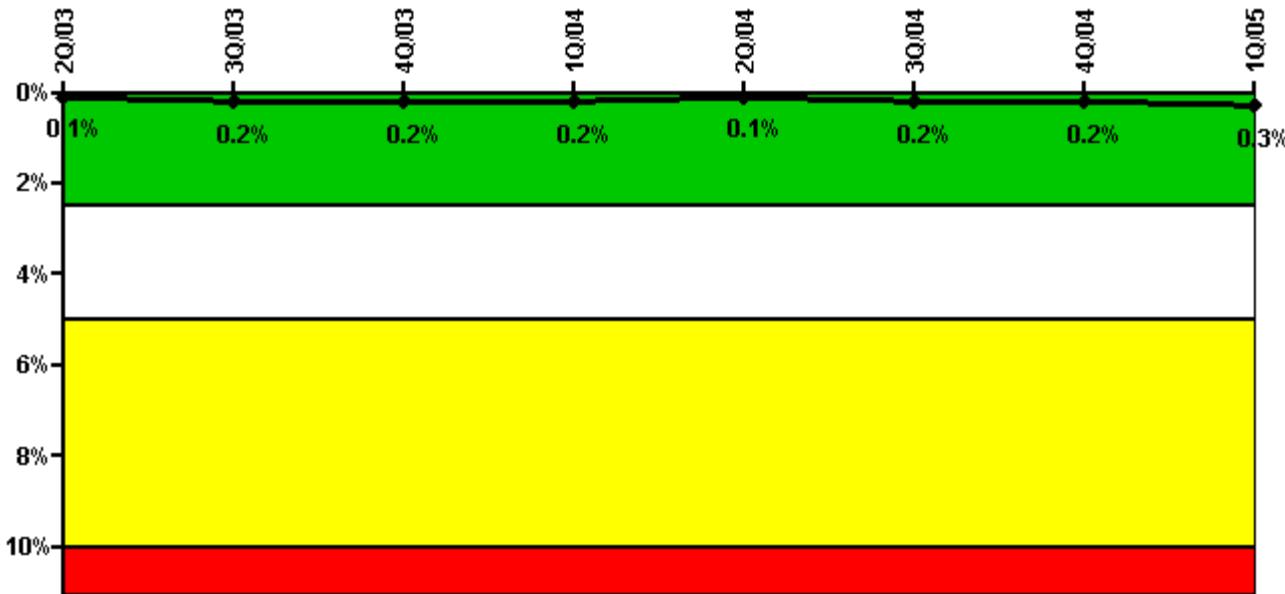
Thresholds: White > 6.0

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	3.0	1.0	0	0	0	0	0
Critical hours	2183.0	2174.9	1613.5	2184.0	1471.2	2208.0	2209.0	2160.0
Indicator value	0	2.7	3.4	3.4	3.8	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	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	3.38	0.90	0.83	1.33	1.23	8.20	0.91	0.54
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0.91	24.30	0.65	0.78	0.85	20.40	1.15	20.64
Unplanned unavailable hours	0	0	0	0	0	11.08	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.1%	0.2%	0.2%	0.2%	0.1%	0.2%	0.2%	0.3%

Licensee Comments:

1Q/05: The 13.05 hours of unavailability from an Exhaust Fan Damper issue referenced in the 4th quarter 2004 submittal has been evaluated. Engineering has concluded that the Emergency Diesel Generator was available during this time, and that per NEI 99-02 guidelines, the issue requires no unavailability reporting.

Safety System Unavailability, High Pressure Injection System (HPSI)



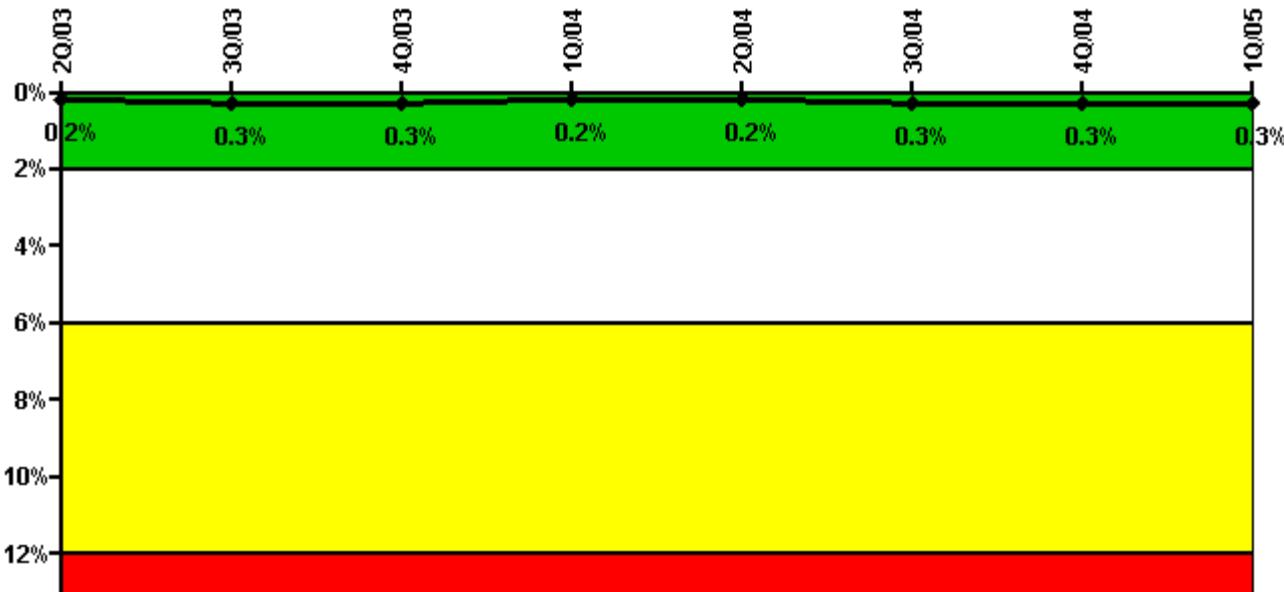
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	16.80	0	0	0	17.12	0	17.70
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	2174.90	2209.00	2184.00	1471.15	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	8.10	5.10	36.87	0	0	0	57.20	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	2183.00	2174.90	2209.00	2184.00	1471.15	2208.00	2209.00	2160.00
Indicator value	0.1%	0.1%	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



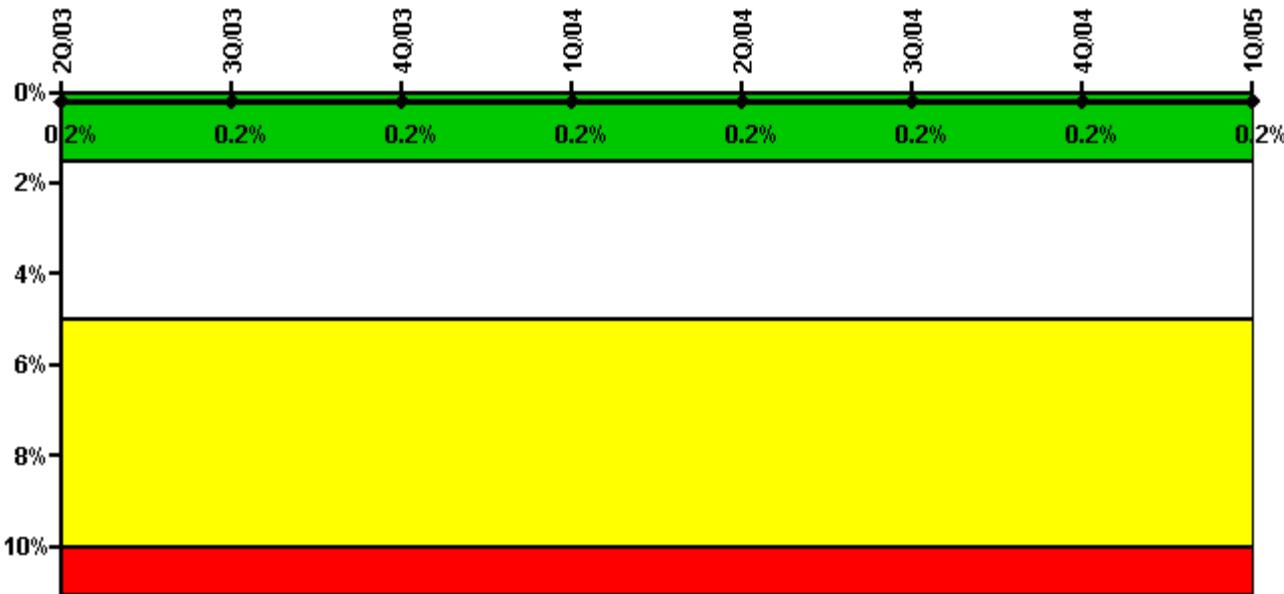
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	0	27.30	0	0.93	5.10	21.90	0	0
Unplanned unavailable hours	0	33.30	0	0	0	0	14.90	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	2183.00	2208.00	2209.00	2184.00	1317.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	10.60	0	0	0	0	0	24.80	0
Unplanned unavailable hours	0	0	0	0	0	0	5.70	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	2183.00	2208.00	2209.00	2184.00	1720.00	2208.00	2209.00	2160.00
Indicator value	0.2%	0.3%	0.3%	0.2%	0.2%	0.3%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

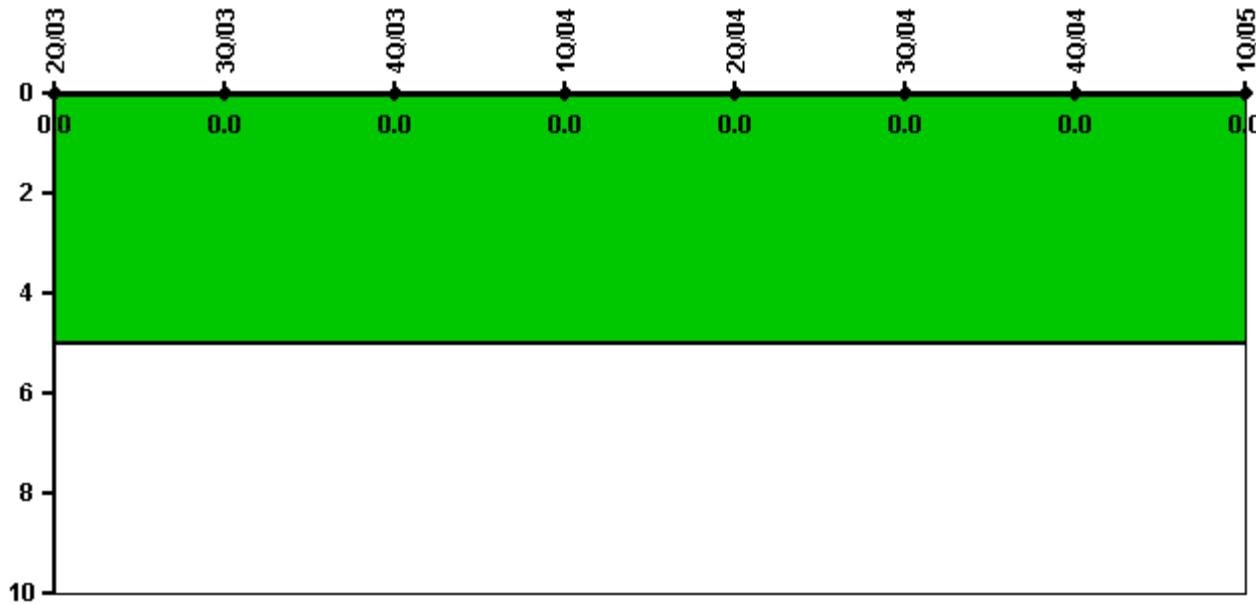


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	19.30	0	0	0	0	10.48	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0	0	13.28	7.42	0	12.22	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.2%							

Licensee Comments: none

Safety System Functional Failures (PWR)

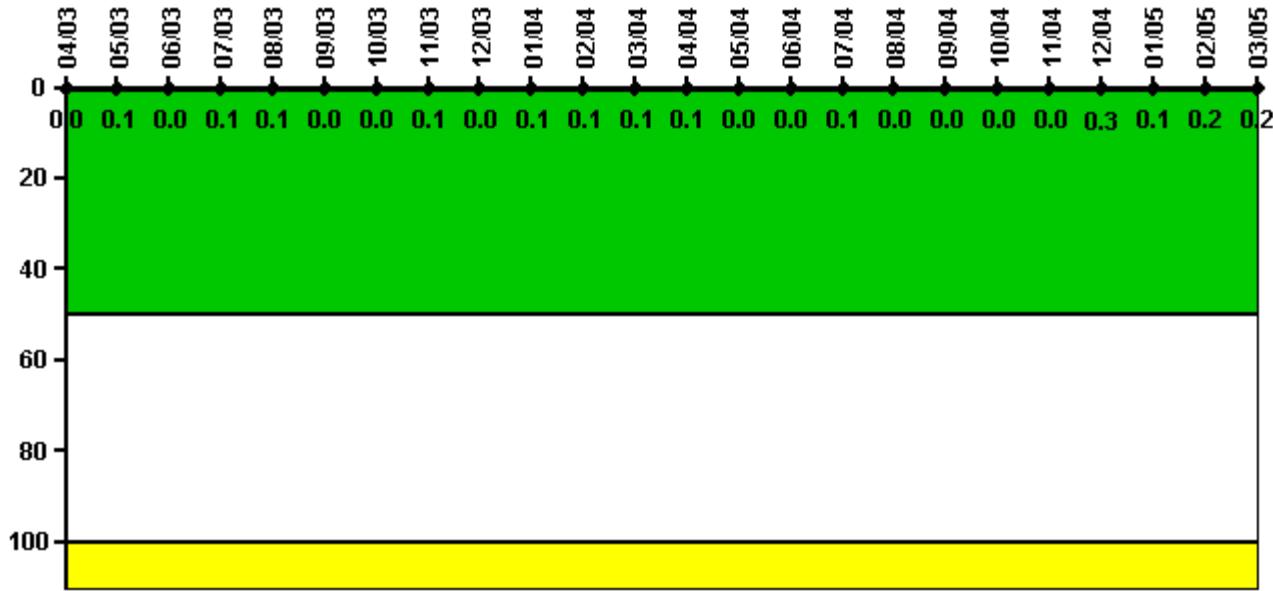
Thresholds: White > 5.0

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	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



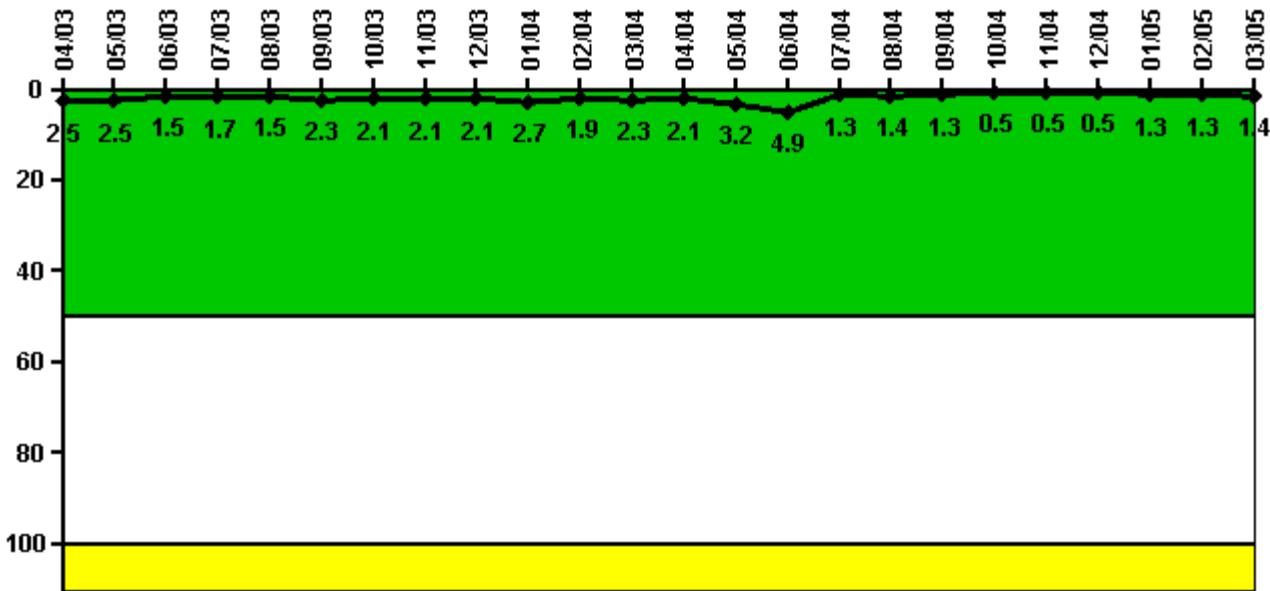
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.001220	0.003790	0.001450	0.002070	0.002300	0.001670	0.001650	0.002720	0.001730	0.001830	0.001890	0.001930
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0.1	0	0.1	0.1	0	0	0.1	0	0.1	0.1	0.1
Reactor Coolant System Activity	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum activity	0.003910	0.000834	0.001660	0.001960	0.001390	0.001230	0.001230	0.001310	0.009090	0.003270	0.007350	0.006930
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0	0	0.1	0	0	0	0	0.3	0.1	0.2	0.2

Licensee Comments: none

Reactor Coolant System Leakage



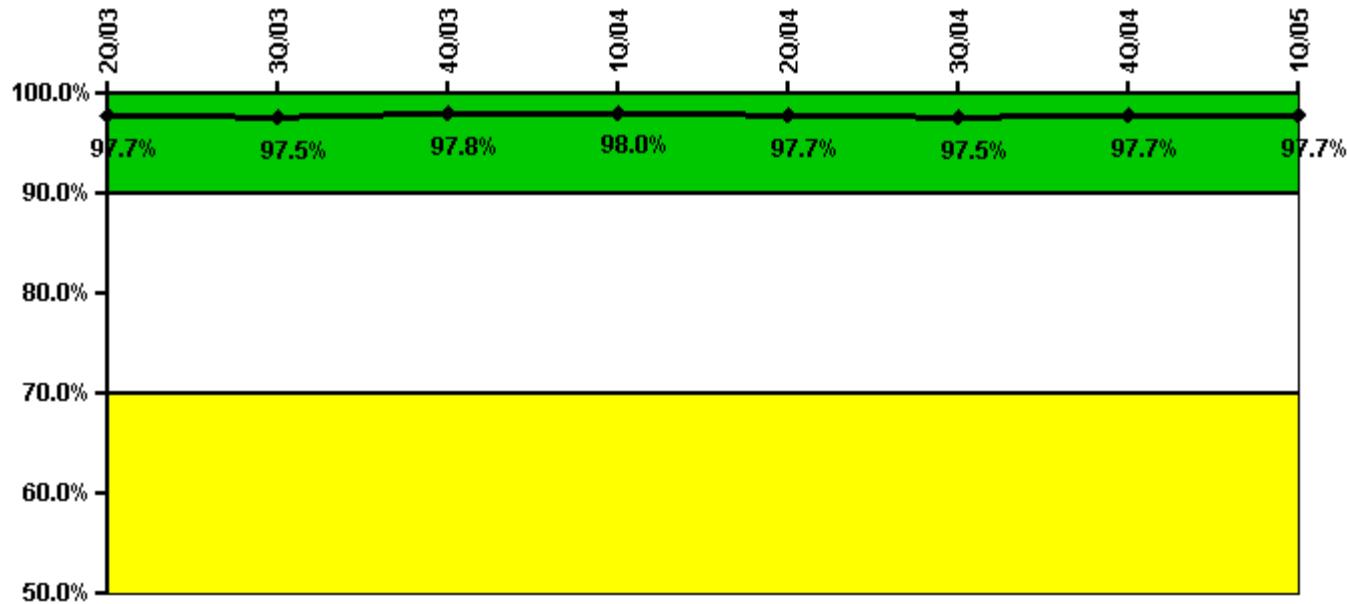
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.245	0.252	0.151	0.171	0.153	0.230	0.211	0.211	0.211	0.272	0.189	0.234
Indicator value	2.5	2.5	1.5	1.7	1.5	2.3	2.1	2.1	2.1	2.7	1.9	2.3
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	0.208	0.315	0.488	0.131	0.142	0.132	0.054	0.052	0.048	0.133	0.133	0.136
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	3.2	4.9	1.3	1.4	1.3	0.5	0.5	0.5	1.3	1.3	1.4

Licensee Comments:

3/05: Total Leakage is being conservatively reported in lieu of Identified Leakage.

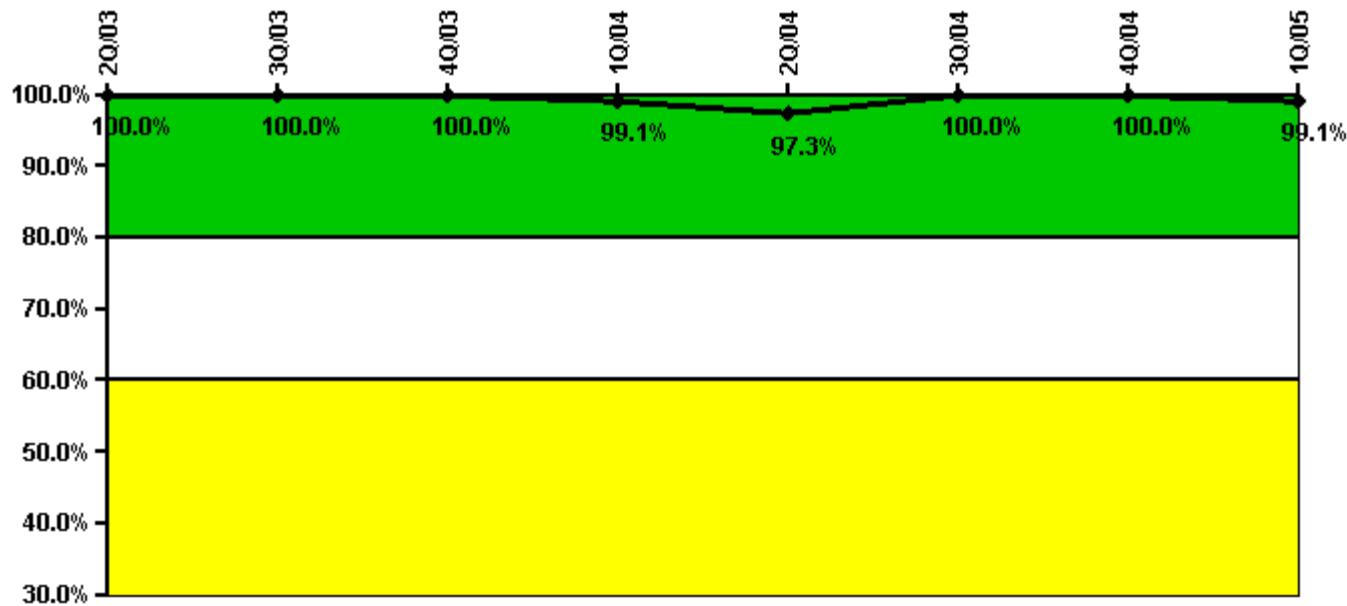
Drill/Exercise Performance

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	78.0	43.0	44.0	13.0	13.0	37.0	30.0	0
Total opportunities	79.0	45.0	46.0	13.0	14.0	37.0	30.0	0
Indicator value	97.7%	97.5%	97.8%	98.0%	97.7%	97.5%	97.7%	97.7%

Licensee Comments: none

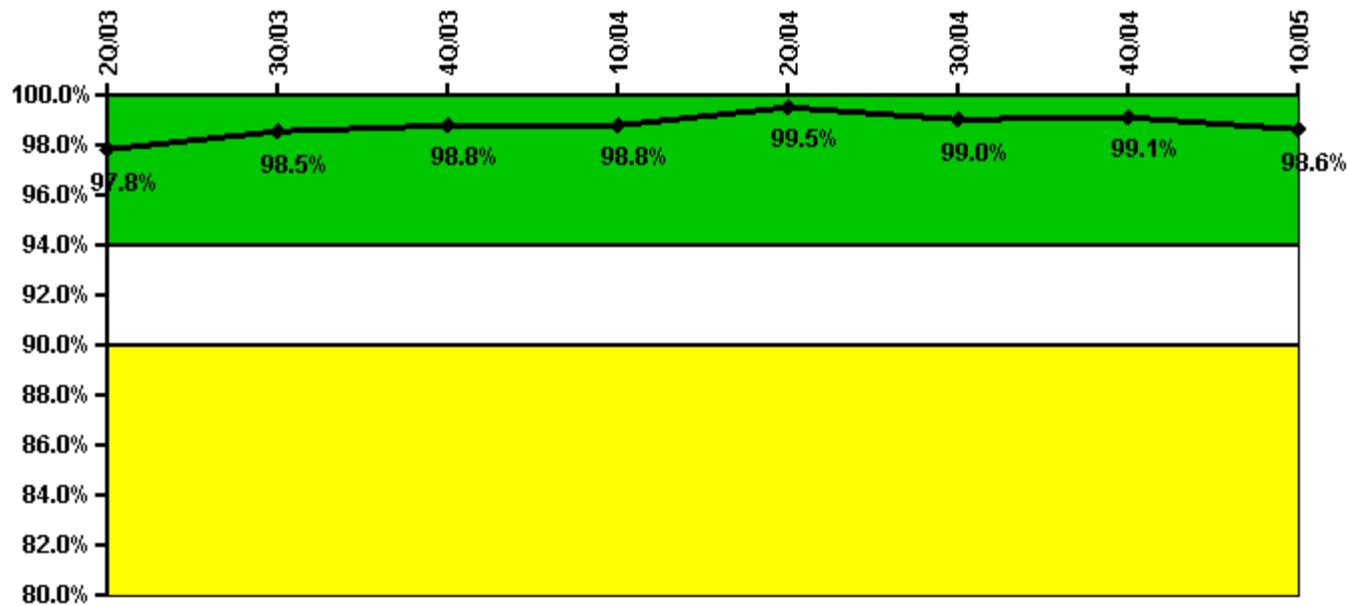
ERO Drill Participation

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	123.0	126.0	118.0	116.0	108.0	109.0	114.0	112.0
Total Key personnel	123.0	126.0	118.0	117.0	111.0	109.0	114.0	113.0
Indicator value	100.0%	100.0%	100.0%	99.1%	97.3%	100.0%	100.0%	99.1%

Licensee Comments: none

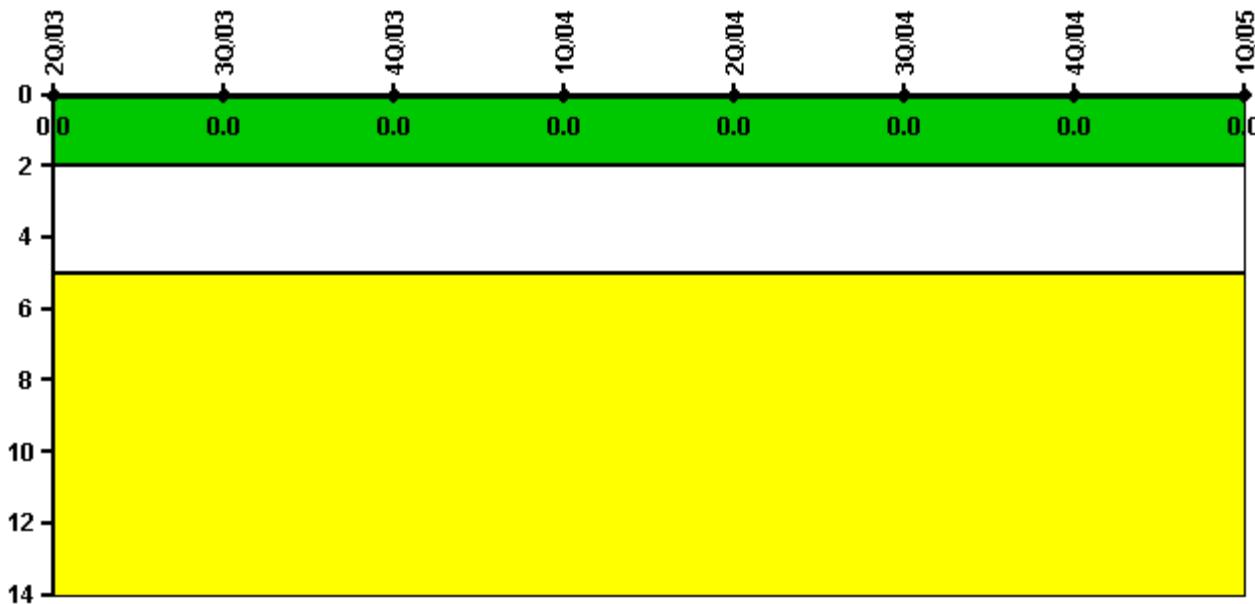
Alert & Notification System

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	143	146	146	146	147	143	147	143
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	97.8%	98.5%	98.8%	98.8%	99.5%	99.0%	99.1%	98.6%

Licensee Comments: none

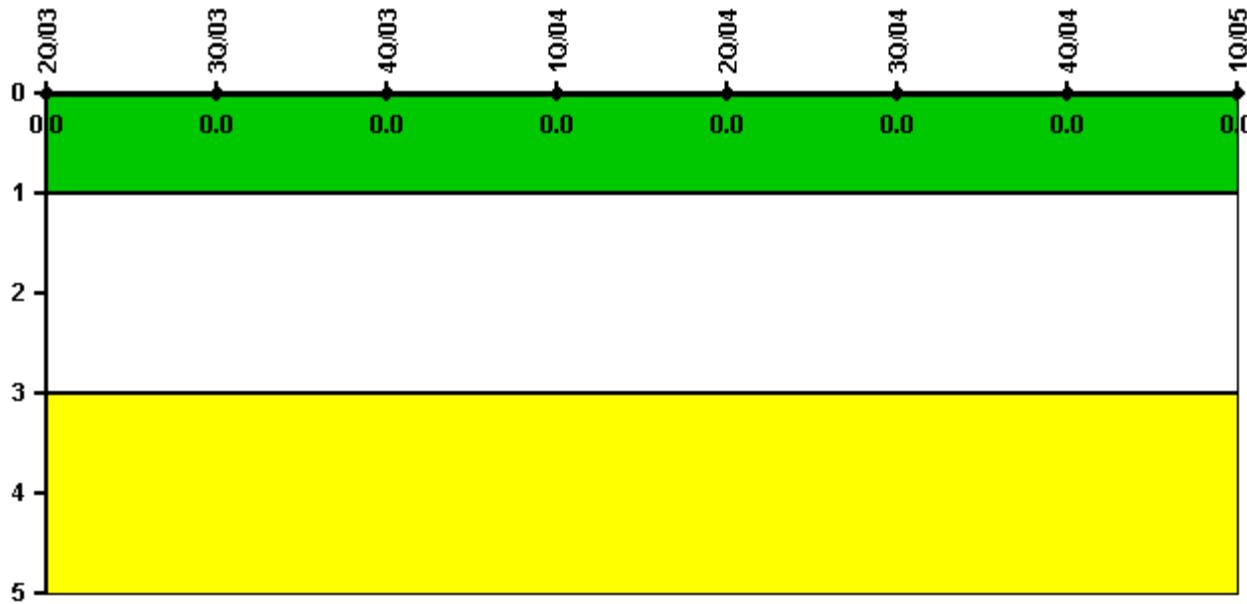
Occupational Exposure Control Effectiveness

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.

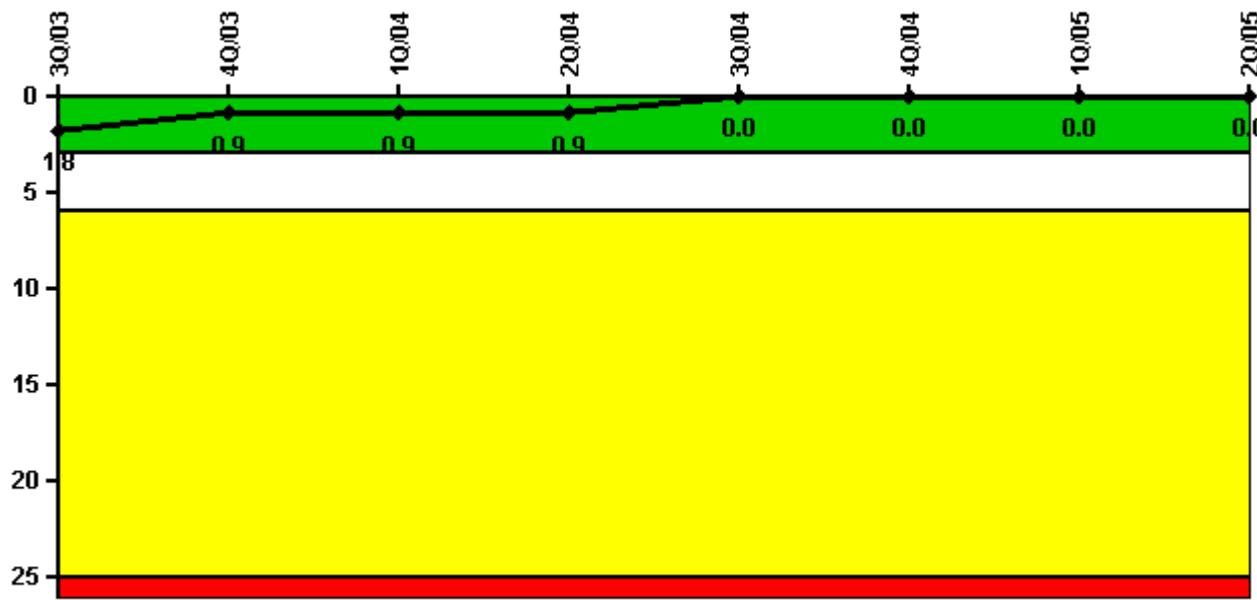


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: June 17, 2005

Arkansas Nuclear 1**2Q/2005 Performance Indicators**

Licensee's General Comments: none

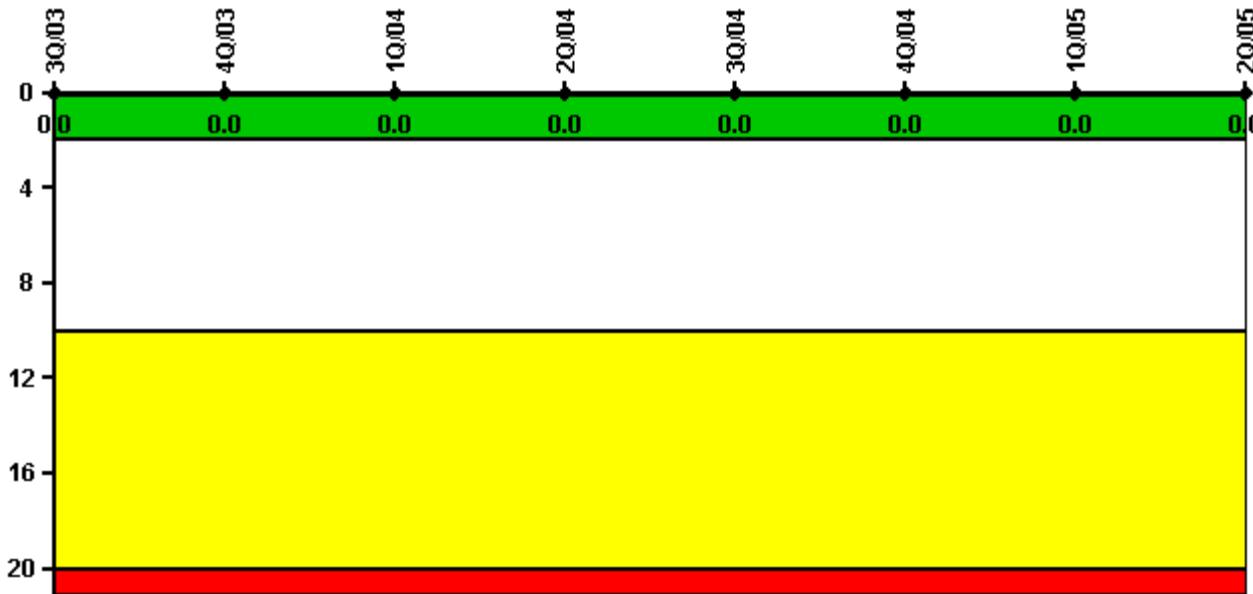
Unplanned Scrams per 7000 Critical Hrs

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	1.0	0	0	0	0	0	0	0
Critical hours	2174.9	1613.5	2184.0	1471.2	2208.0	2209.0	2160.0	2183.0
Indicator value	1.8	0.9	0.9	0.9	0	0	0	0

Licensee Comments: none

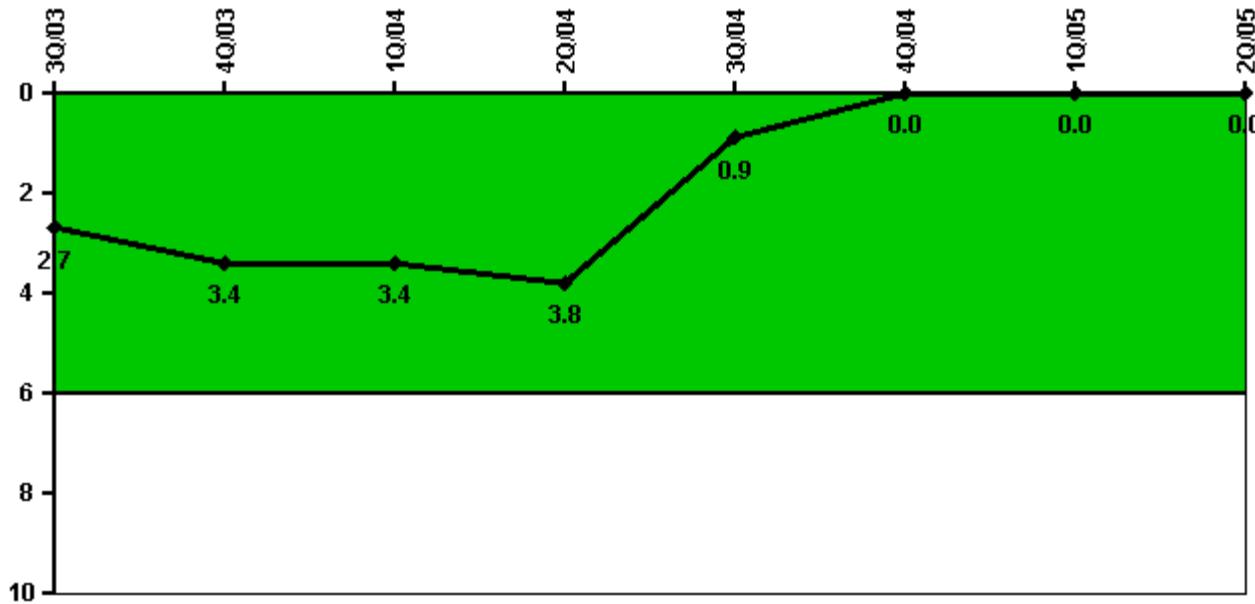
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

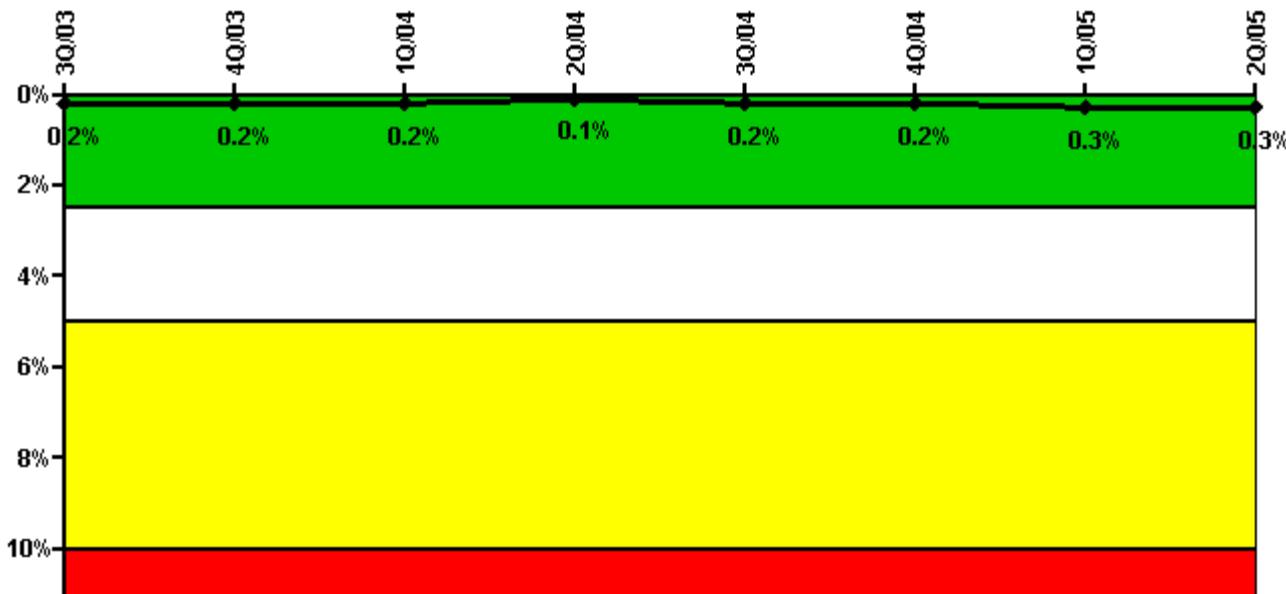
Thresholds: White > 6.0

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	3.0	1.0	0	0	0	0	0	0
Critical hours	2174.9	1613.5	2184.0	1471.2	2208.0	2209.0	2160.0	2183.0
Indicator value	2.7	3.4	3.4	3.8	0.9	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



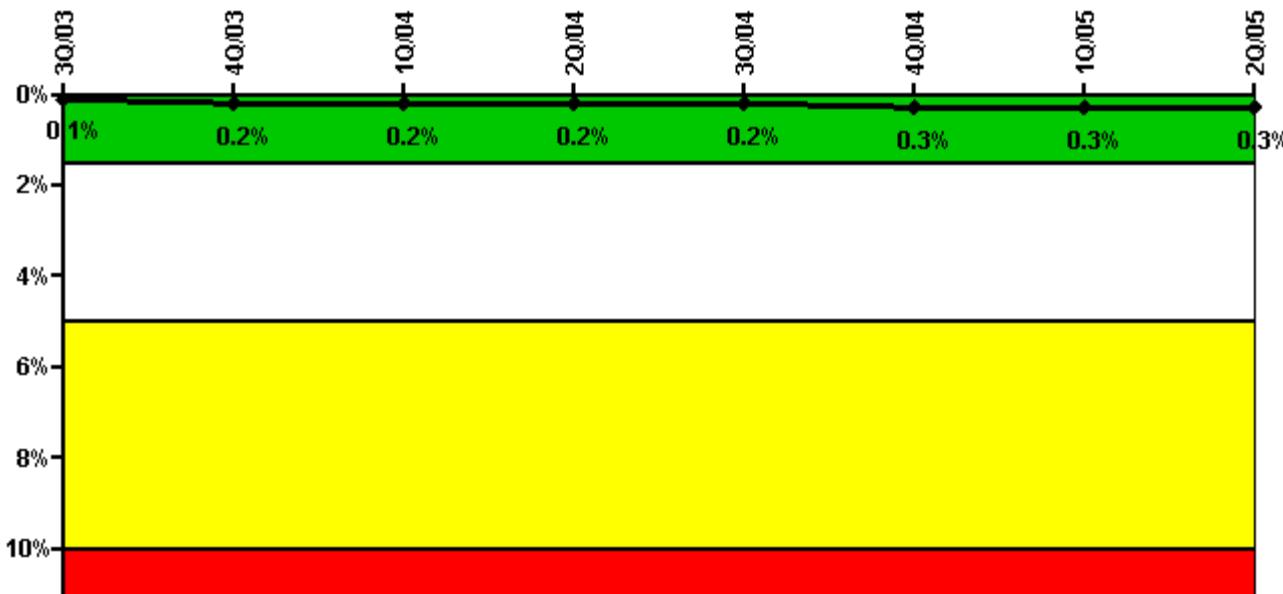
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	0.90	0.83	1.33	1.23	8.20	0.91	0.54	1.00
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	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	24.30	0.65	0.78	0.85	20.40	1.15	20.64	1.24
Unplanned unavailable hours	0	0	0	0	11.08	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	0.2%	0.2%	0.2%	0.1%	0.2%	0.2%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



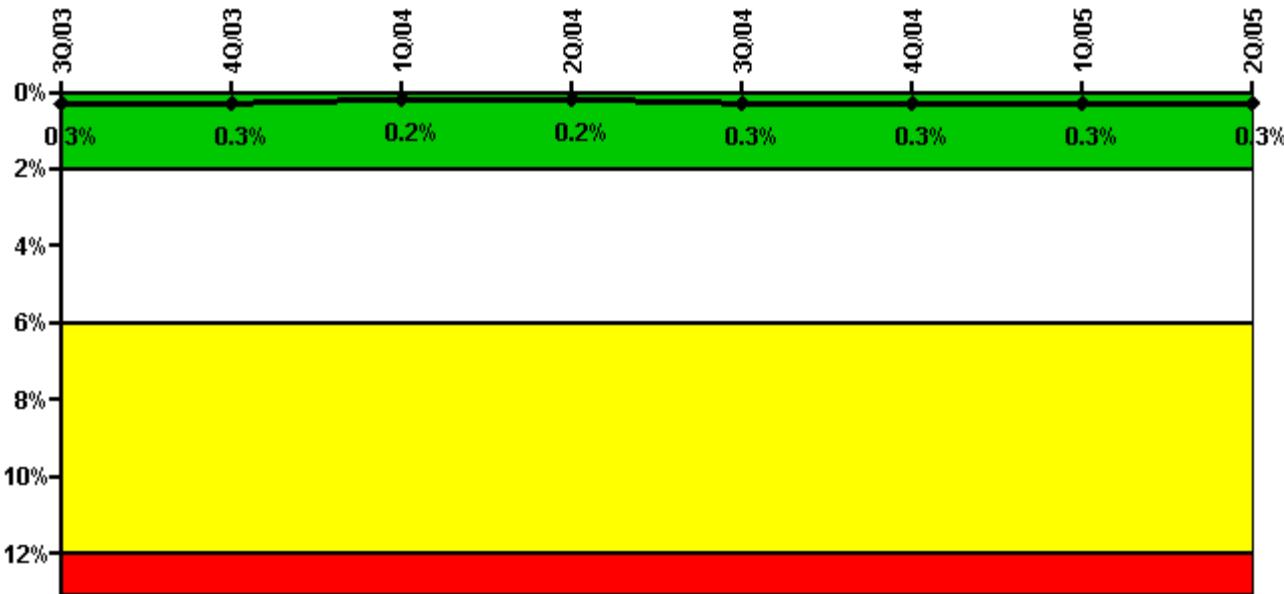
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	16.80	0	0	0	17.12	0	17.70	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	2174.90	2209.00	2184.00	1471.15	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	5.10	36.87	0	0	0	57.20	0	11.17
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2174.90	2209.00	2184.00	1471.15	2208.00	2209.00	2160.00	2183.00
Indicator value	0.1%	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



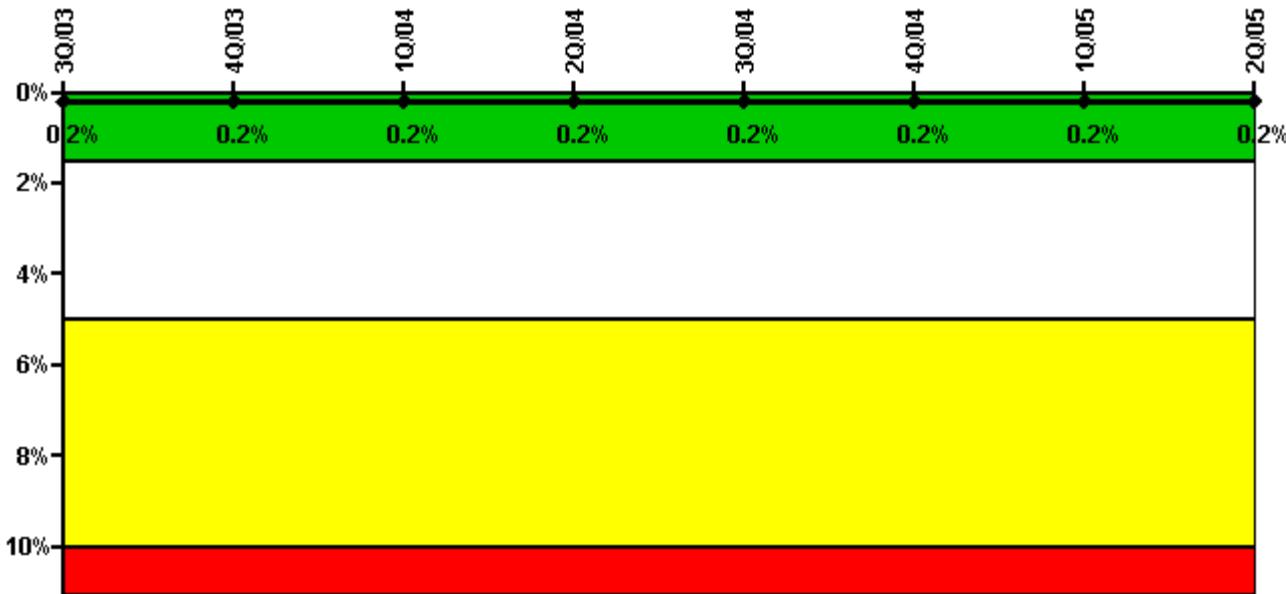
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	27.30	0	0.93	5.10	21.90	0	0	2.10
Unplanned unavailable hours	33.30	0	0	0	0	14.90	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	2208.00	2209.00	2184.00	1317.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	0	0	0	0	0	24.80	0	0
Unplanned unavailable hours	0	0	0	0	0	5.70	0	12.20
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	1720.00	2208.00	2209.00	2160.00	2183.00
Indicator value	0.3%	0.3%	0.2%	0.2%	0.3%	0.3%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

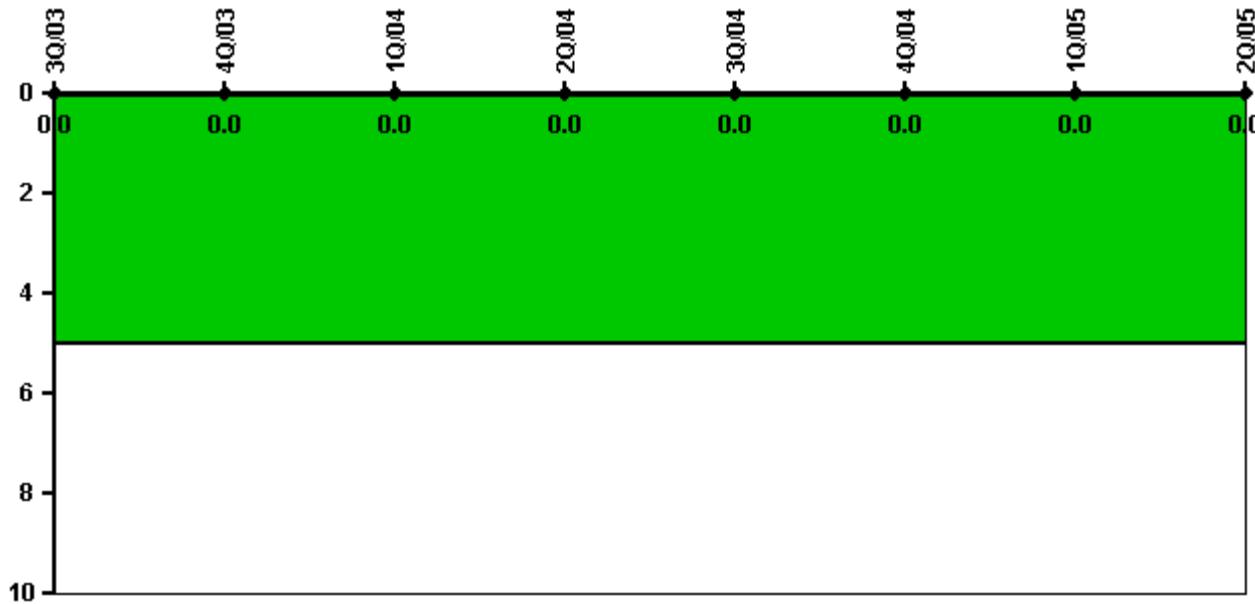


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	0	0	0	0	10.48	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	0	13.28	7.42	0	12.22	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	0.2%							

Licensee Comments: none

Safety System Functional Failures (PWR)

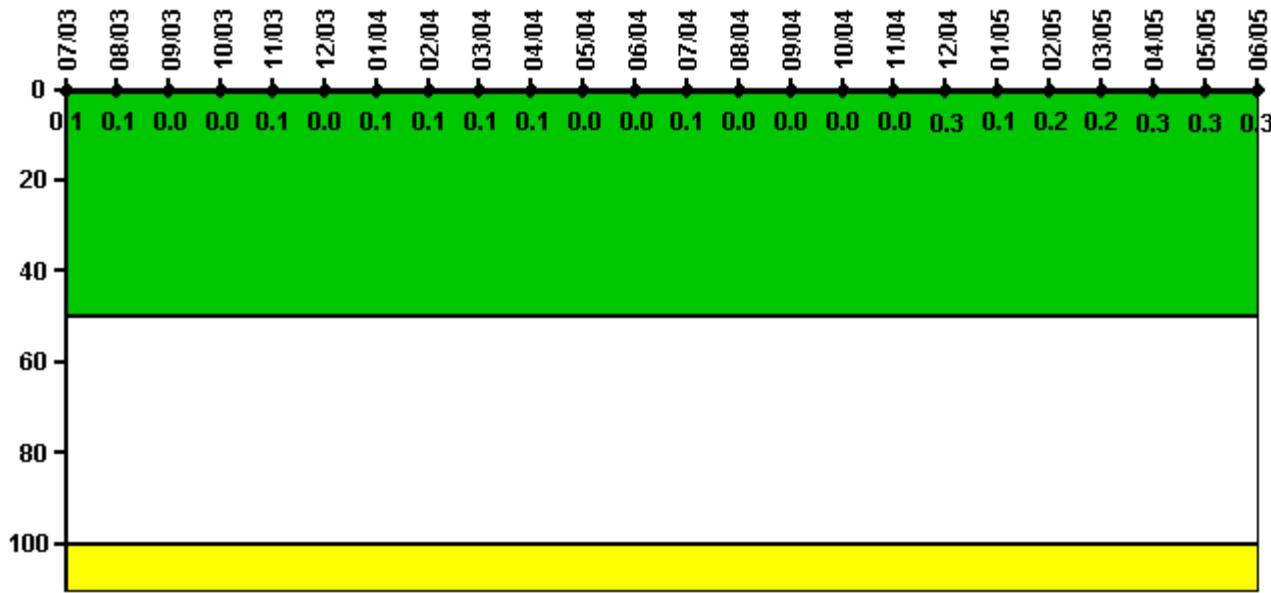
Thresholds: White > 5.0

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	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



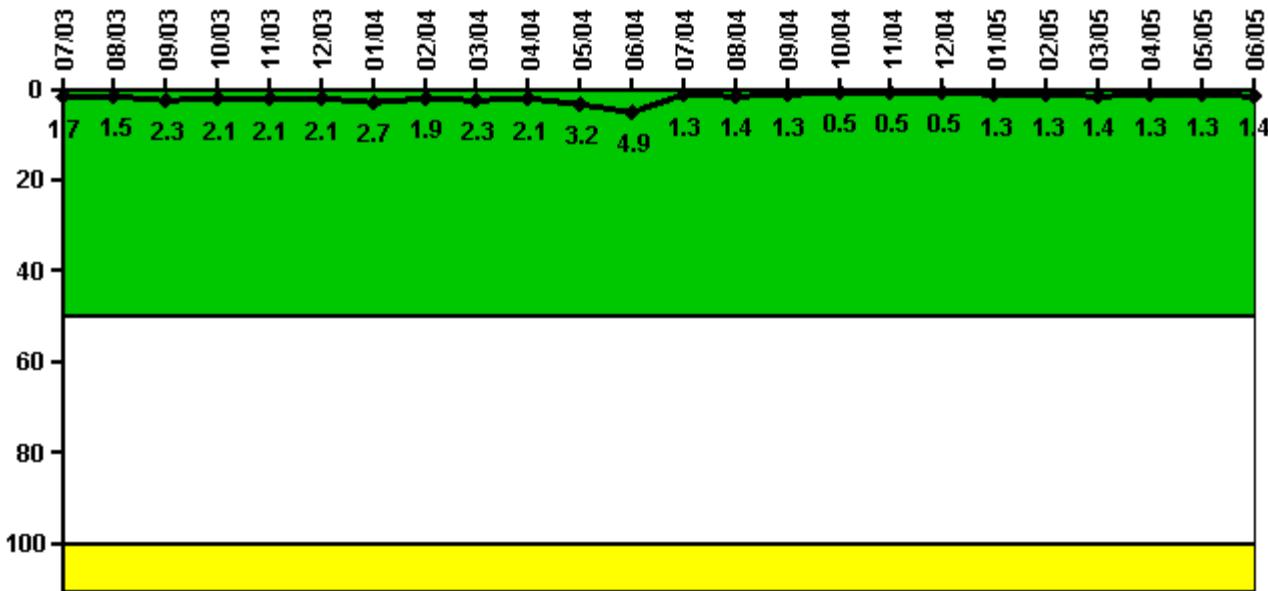
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.002070	0.002300	0.001670	0.001650	0.002720	0.001730	0.001830	0.001890	0.001930	0.003910	0.000834	0.001660
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0.1	0	0	0.1	0	0.1	0.1	0.1	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	0.001960	0.001390	0.001230	0.001230	0.001310	0.009090	0.003270	0.007350	0.006930	0.010200	0.009840	0.009150
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0	0	0	0	0.3	0.1	0.2	0.2	0.3	0.3	0.3

Licensee Comments: none

Reactor Coolant System Leakage



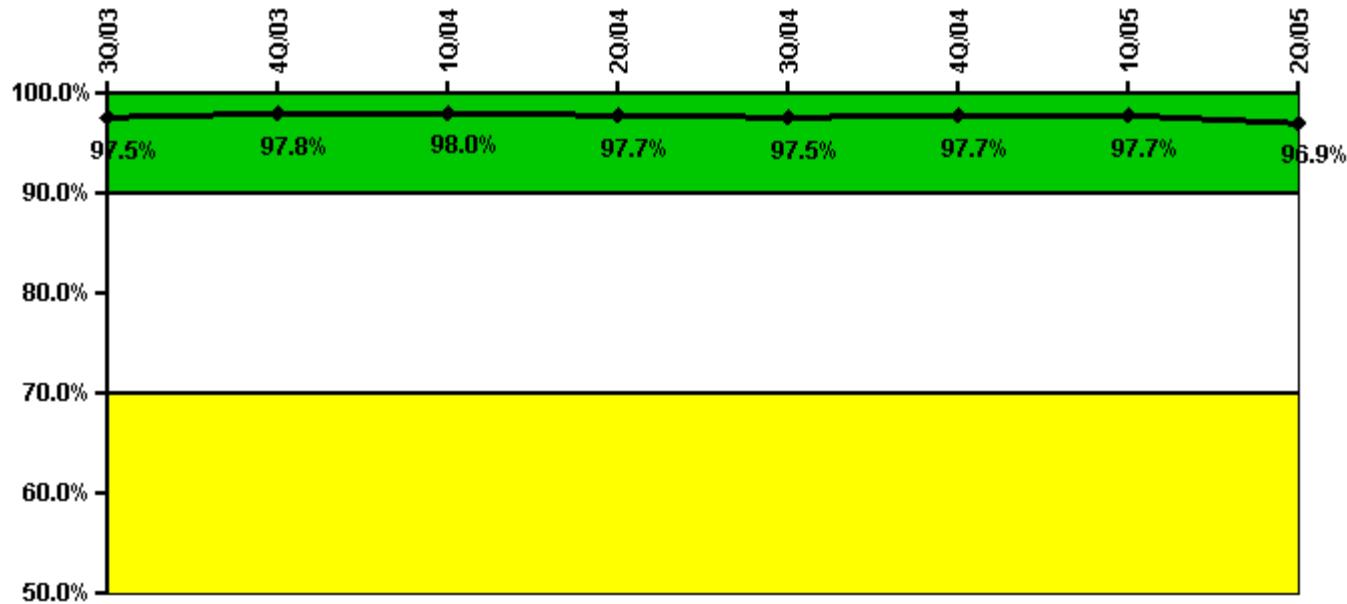
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.171	0.153	0.230	0.211	0.211	0.211	0.272	0.189	0.234	0.208	0.315	0.488
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	1.7	1.5	2.3	2.1	2.1	2.1	2.7	1.9	2.3	2.1	3.2	4.9
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	0.131	0.142	0.132	0.054	0.052	0.048	0.133	0.133	0.136	0.131	0.131	0.138
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	1.4	1.3	0.5	0.5	0.5	1.3	1.3	1.4	1.3	1.3	1.4

Licensee Comments:

6/05: Total RCS Leak Rate is being reported for this indicator.

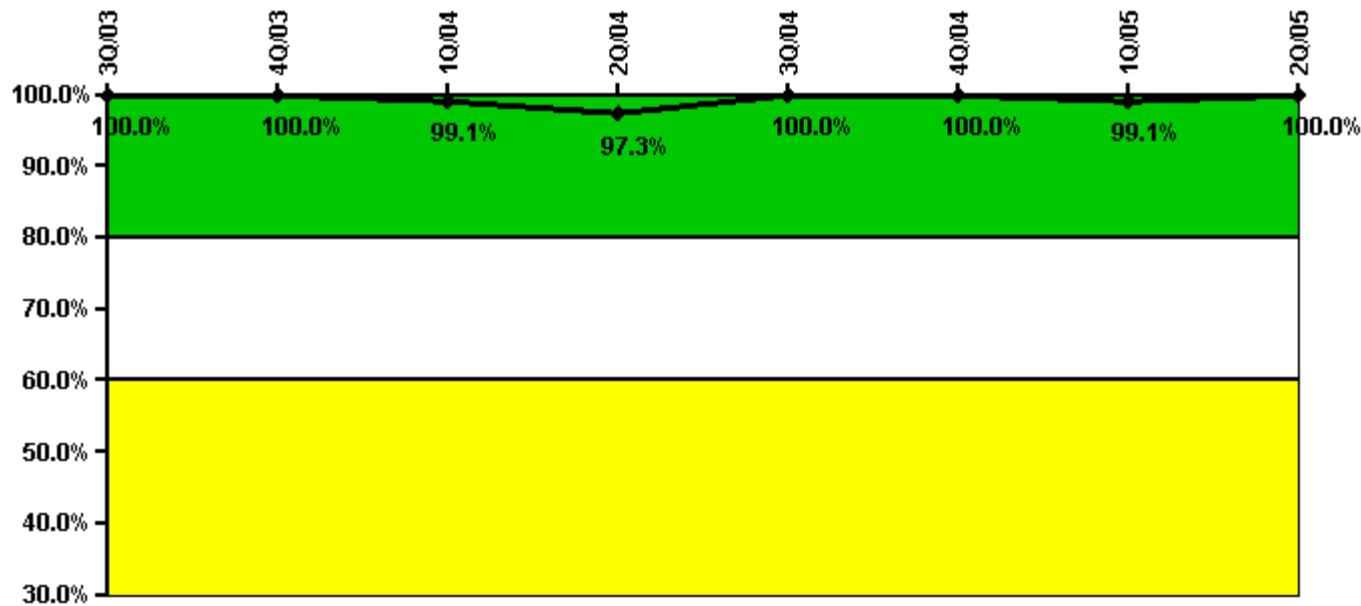
Drill/Exercise Performance

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	43.0	44.0	13.0	13.0	37.0	30.0	0	40.0
Total opportunities	45.0	46.0	13.0	14.0	37.0	30.0	0	42.0
Indicator value	97.5%	97.8%	98.0%	97.7%	97.5%	97.7%	97.7%	96.9%

Licensee Comments: none

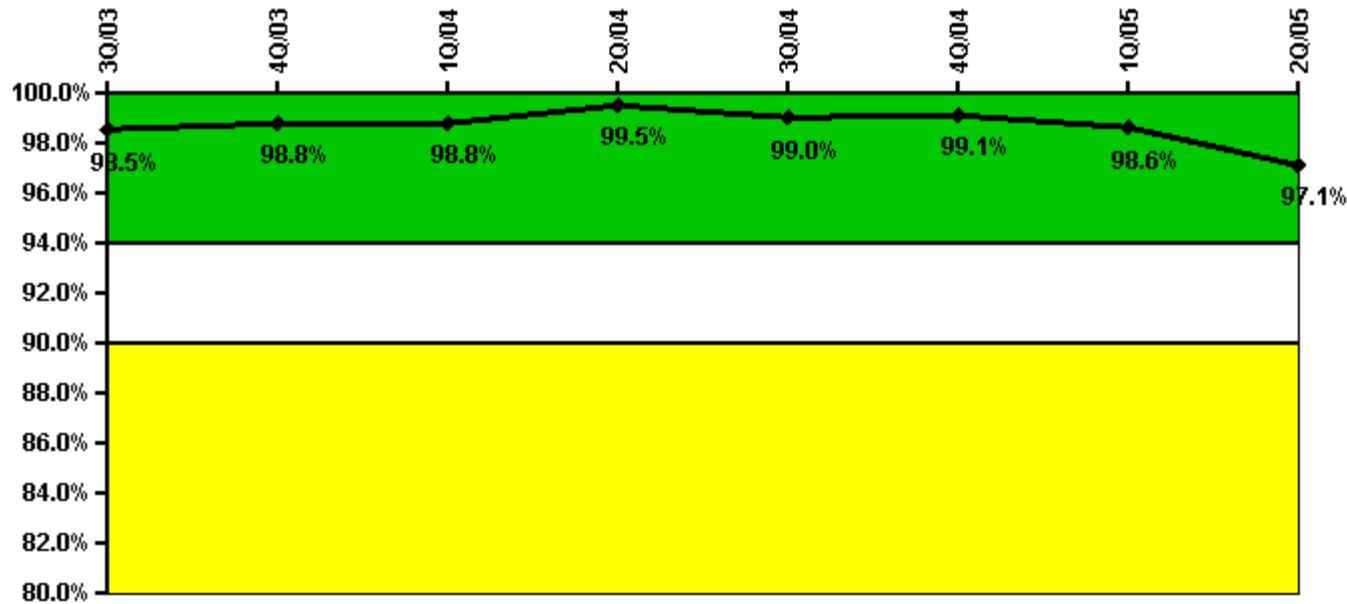
ERO Drill Participation

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	126.0	118.0	116.0	108.0	109.0	114.0	112.0	118.0
Total Key personnel	126.0	118.0	117.0	111.0	109.0	114.0	113.0	118.0
Indicator value	100.0%	100.0%	99.1%	97.3%	100.0%	100.0%	99.1%	100.0%

Licensee Comments: none

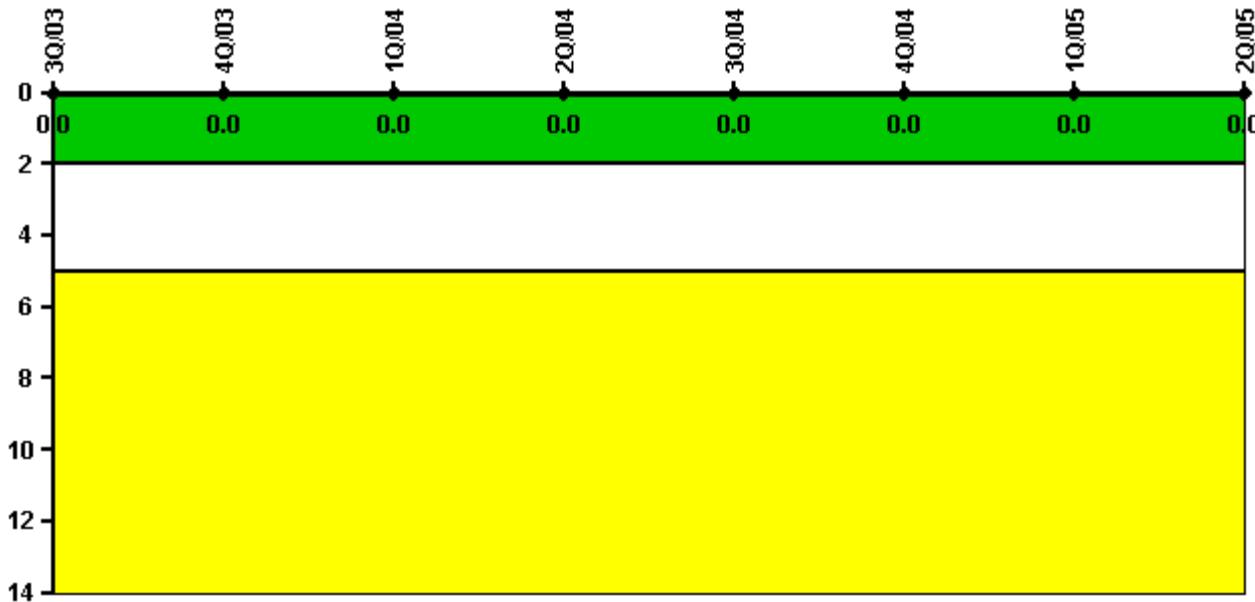
Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful siren-tests	146	146	146	147	143	147	143	138
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	98.5%	98.8%	98.8%	99.5%	99.0%	99.1%	98.6%	97.1%

Licensee Comments: none

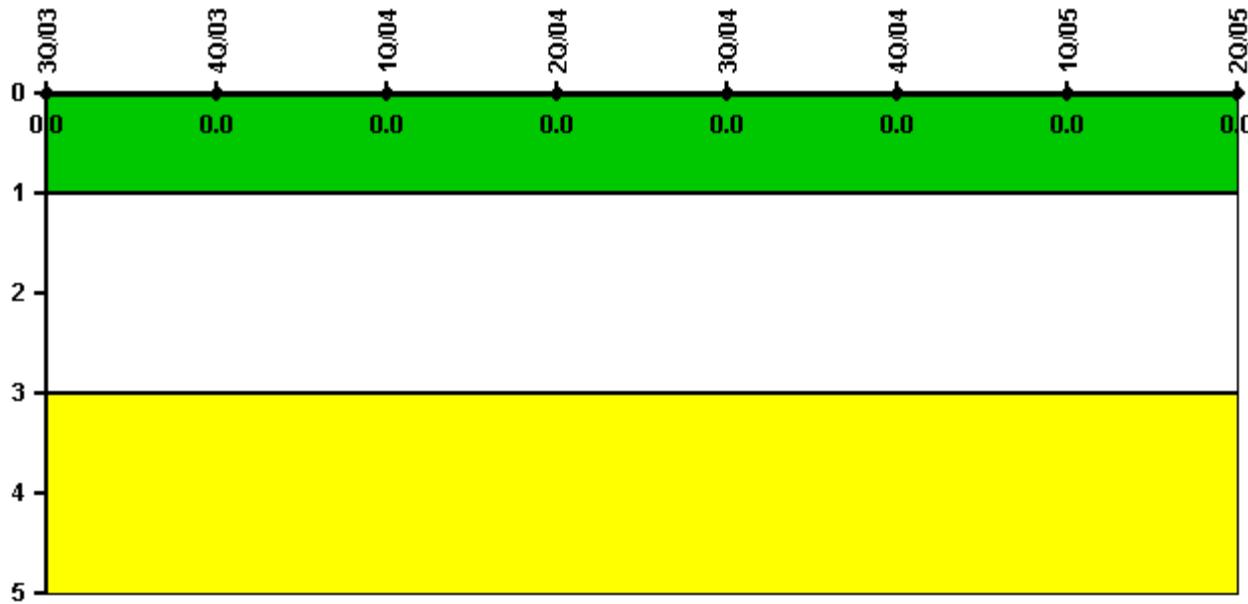
Occupational Exposure Control Effectiveness

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.

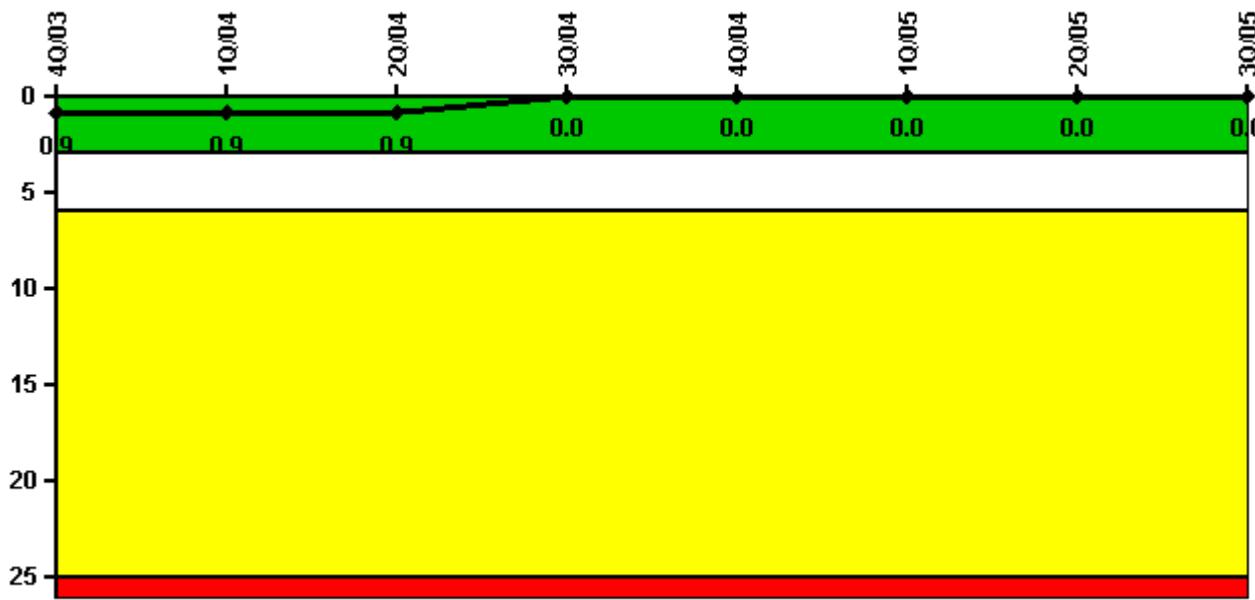


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: August 3, 2005

Arkansas Nuclear 1**3Q/2005 Performance Indicators**

Licensee's General Comments: none

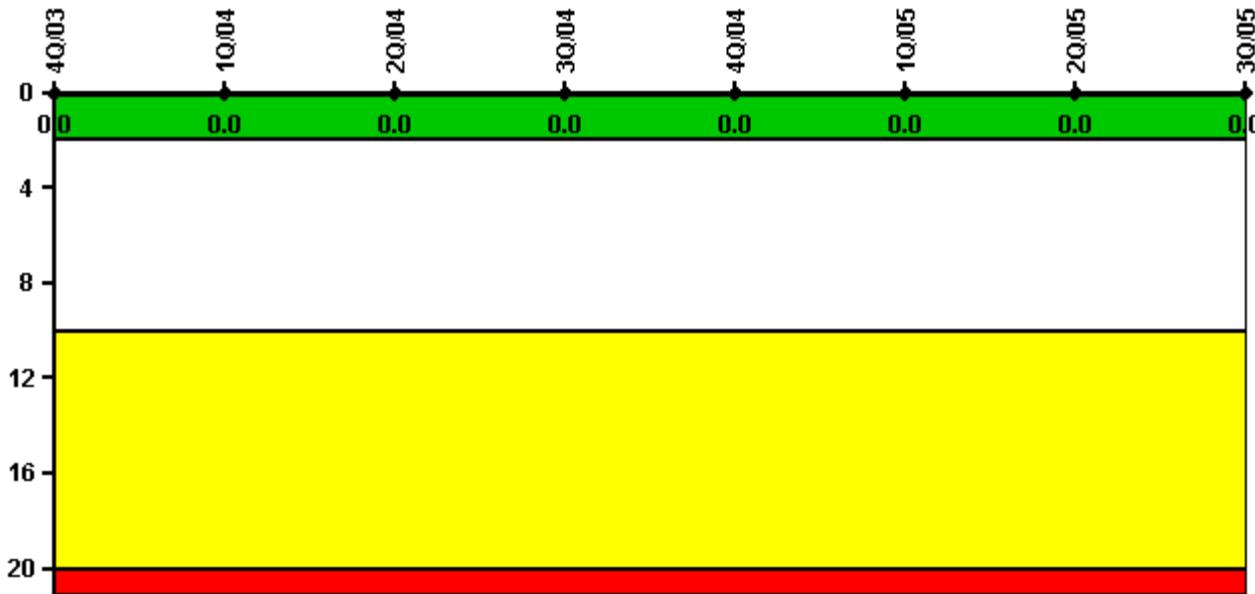
Unplanned Scrams per 7000 Critical Hrs

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	0	0	0	0	0	0	0
Critical hours	1613.5	2184.0	1471.2	2208.0	2209.0	2160.0	2183.0	2208.0
Indicator value	0.9	0.9	0.9	0	0	0	0	0

Licensee Comments: none

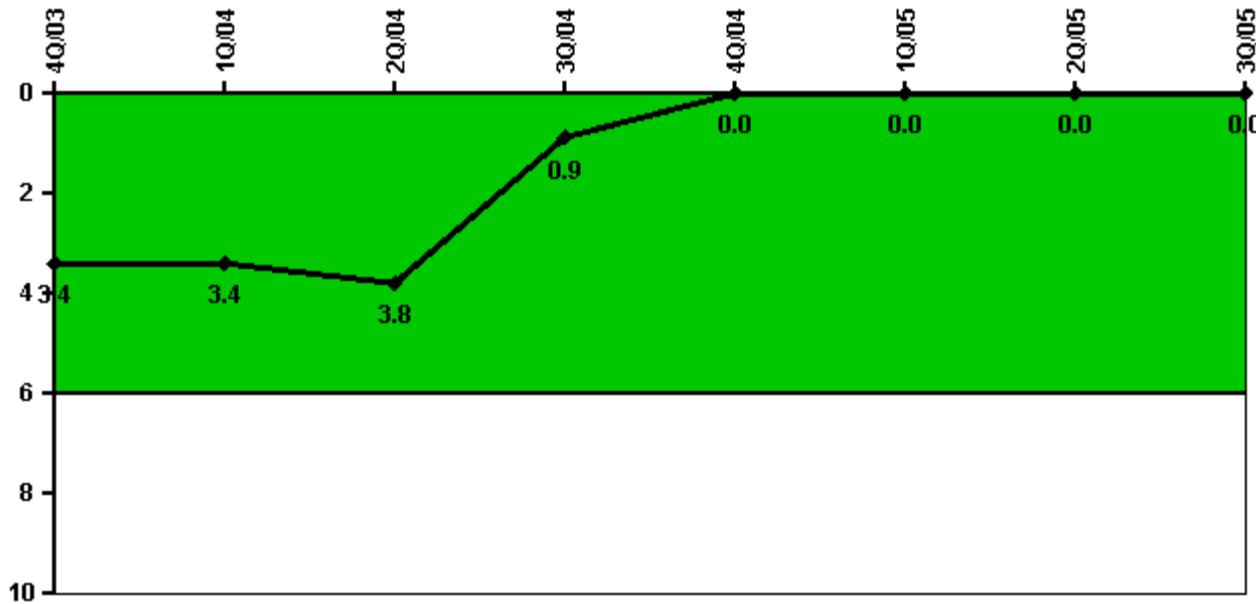
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

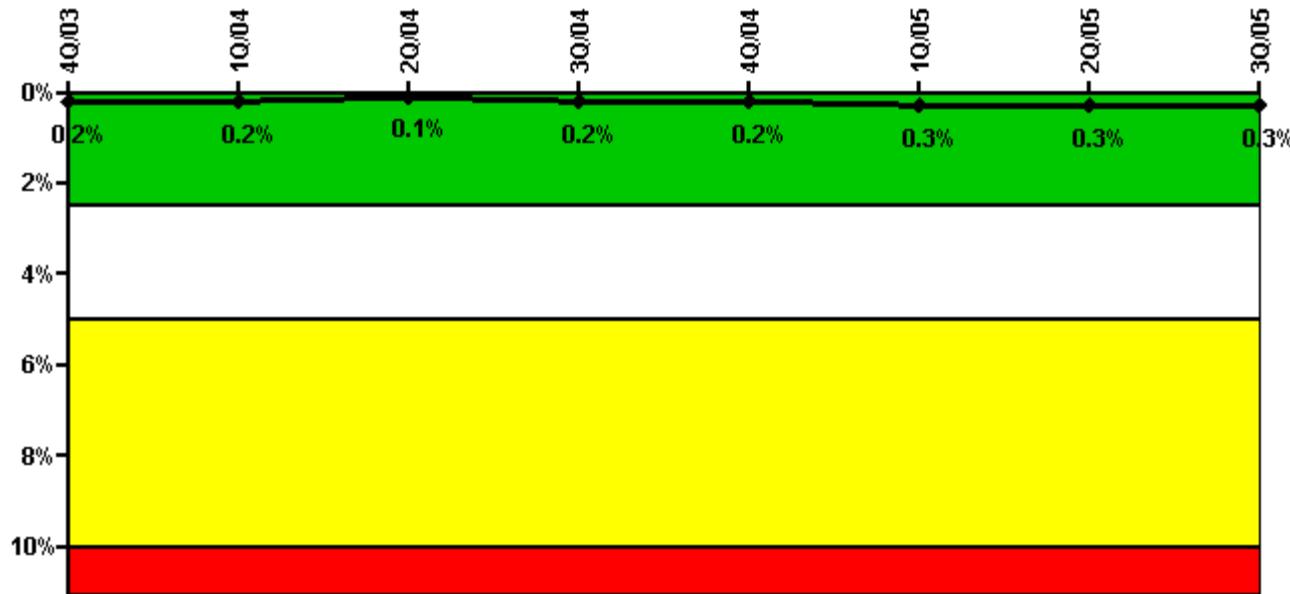
Thresholds: White > 6.0

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	1.0	0	0	0	0	0	0	0
Critical hours	1613.5	2184.0	1471.2	2208.0	2209.0	2160.0	2183.0	2208.0
Indicator value	3.4	3.4	3.8	0.9	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



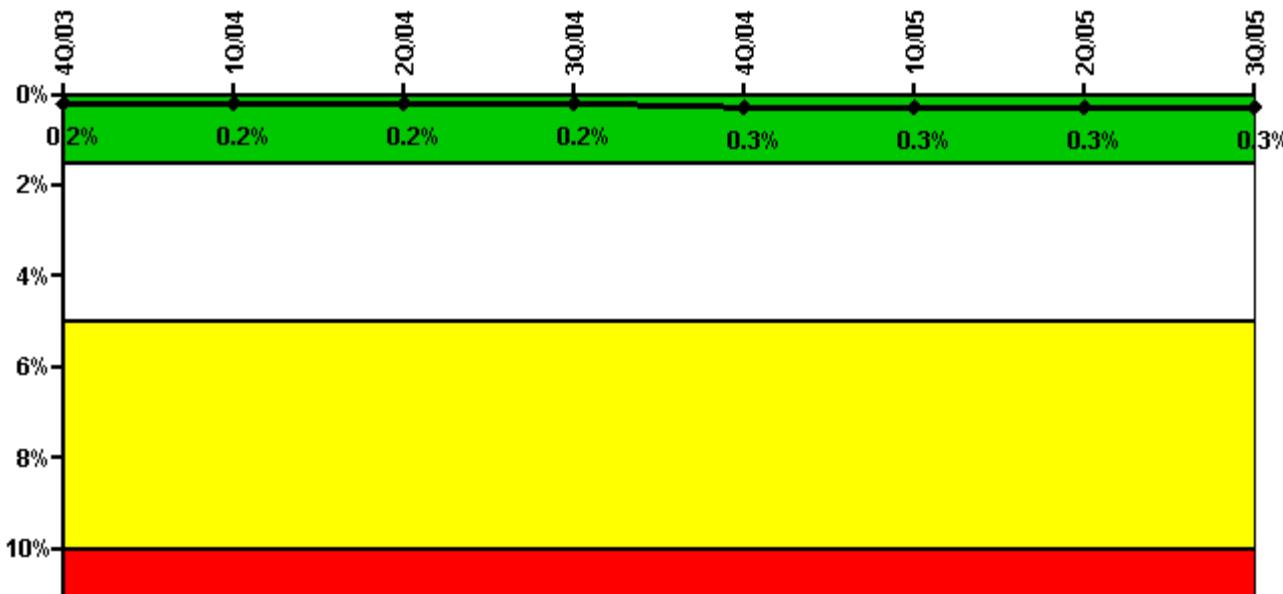
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	0.83	1.33	1.23	8.20	0.91	0.54	1.00	0.97
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0.65	0.78	0.85	20.40	1.15	20.64	1.24	2.60
Unplanned unavailable hours	0	0	0	11.08	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	0.2%	0.2%	0.1%	0.2%	0.2%	0.3%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



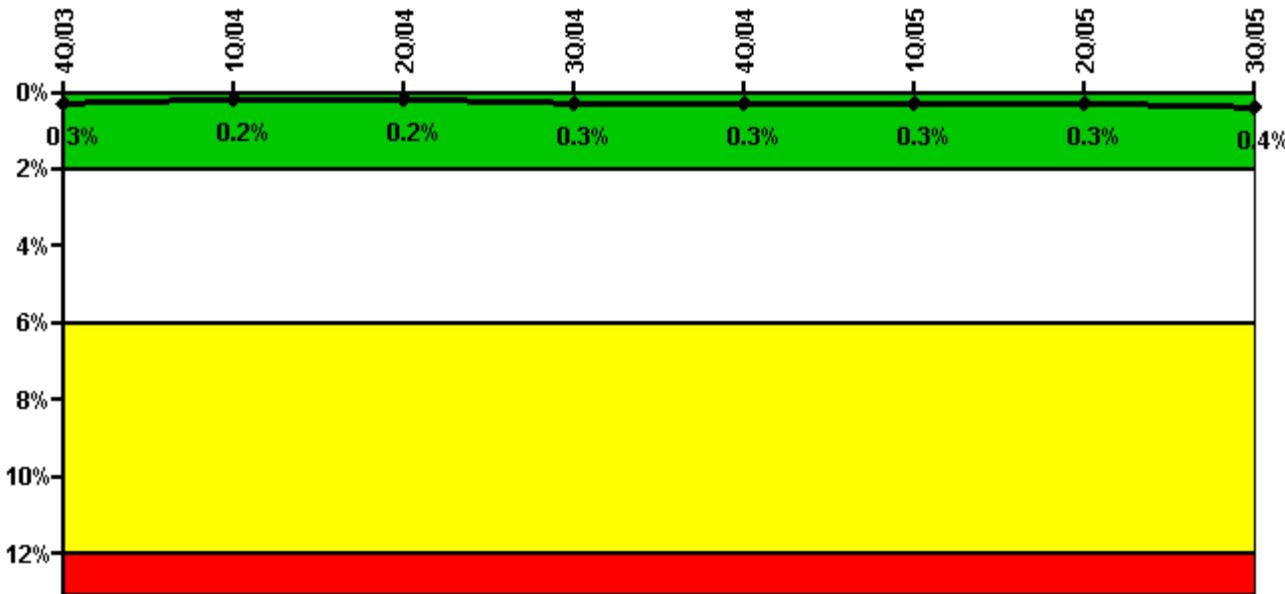
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	0	0	17.12	0	17.70	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	1471.15	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	36.87	0	0	0	57.20	0	11.17	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	1471.15	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%	0.3%	0.3%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



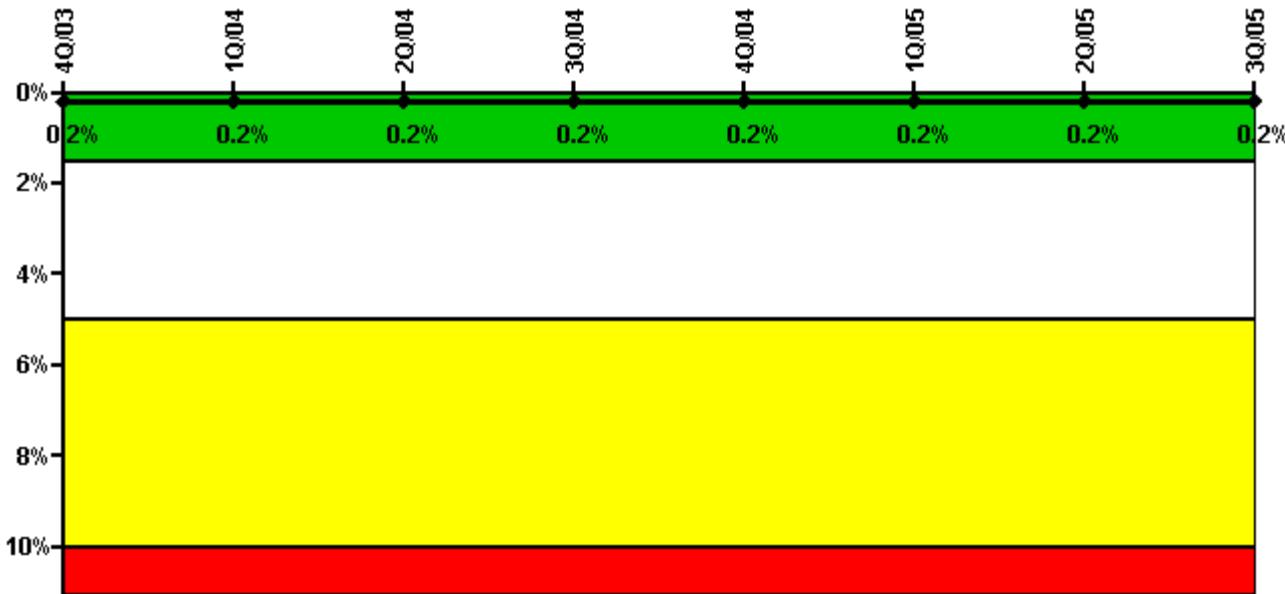
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	0	0.93	5.10	21.90	0	0	2.10	0
Unplanned unavailable hours	0	0	0	0	14.90	0	0	33.60
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	2184.00	1317.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0	0	0	0	24.80	0	0	0
Unplanned unavailable hours	0	0	0	0	5.70	0	12.20	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	1720.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	0.3%	0.2%	0.2%	0.3%	0.3%	0.3%	0.3%	0.4%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

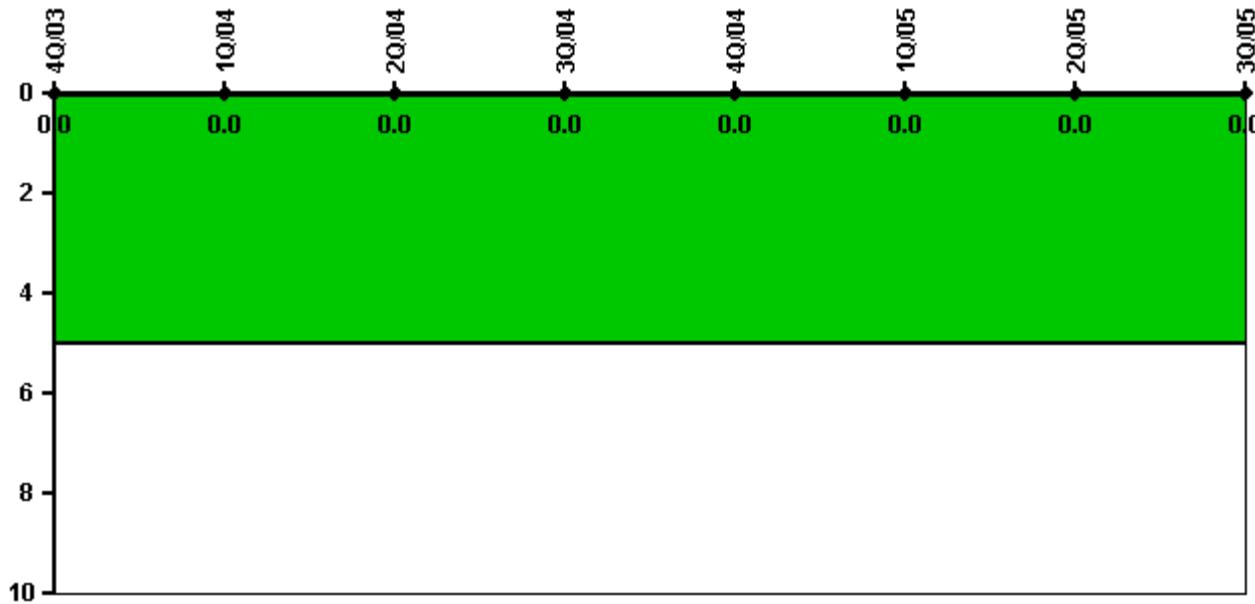


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	0	0	0	10.48	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	13.28	7.42	0	12.22	0	0	0	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	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	0.2%							

Licensee Comments: none

Safety System Functional Failures (PWR)

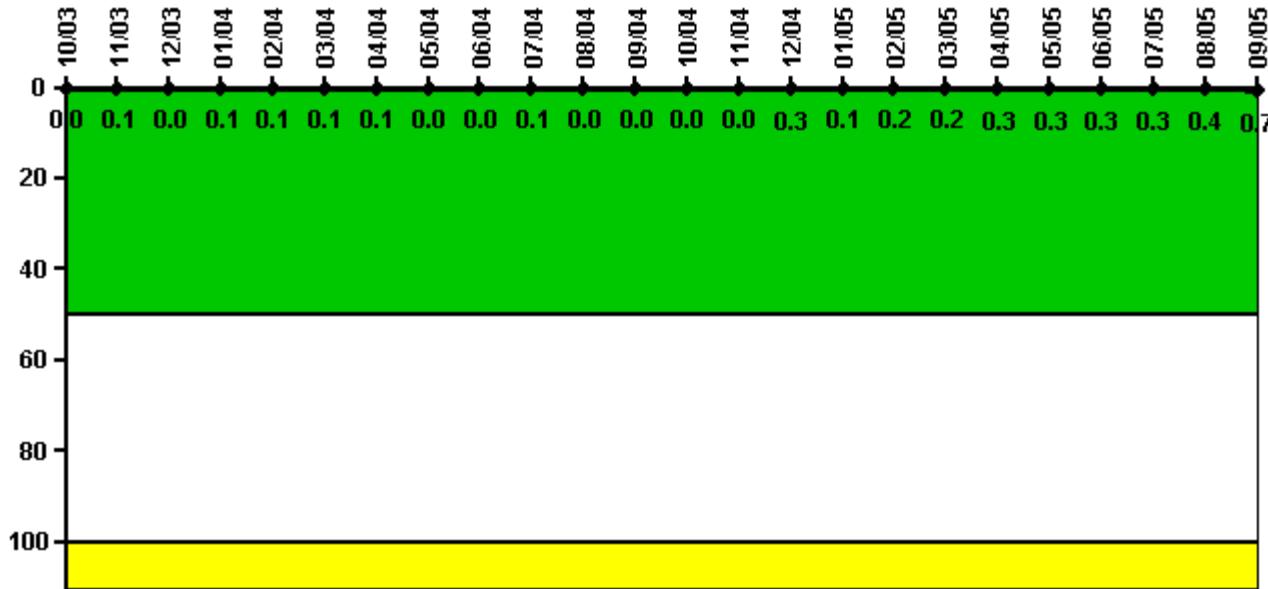
Thresholds: White > 5.0

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	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



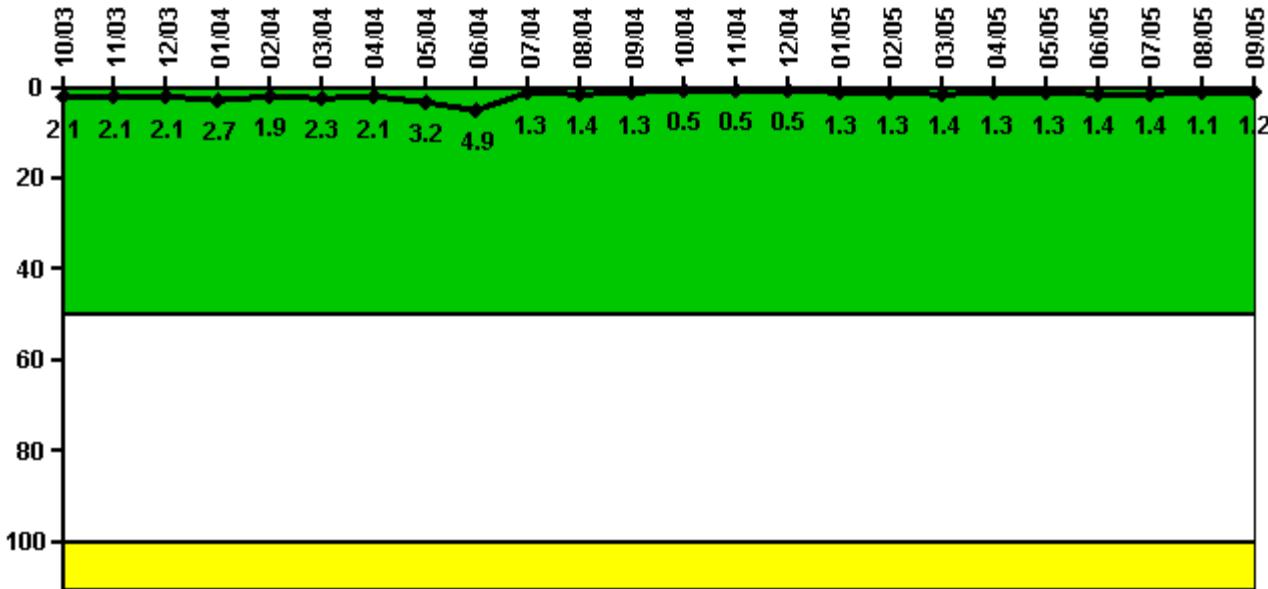
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.001650	0.002720	0.001730	0.001830	0.001890	0.001930	0.003910	0.000834	0.001660	0.001960	0.001390	0.001230
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0.1	0	0.1	0.1	0.1	0.1	0	0	0.1	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	0.001230	0.001310	0.009090	0.003270	0.007350	0.006930	0.010200	0.009840	0.009150	0.009550	0.012400	0.024500
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0	0.3	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.7

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

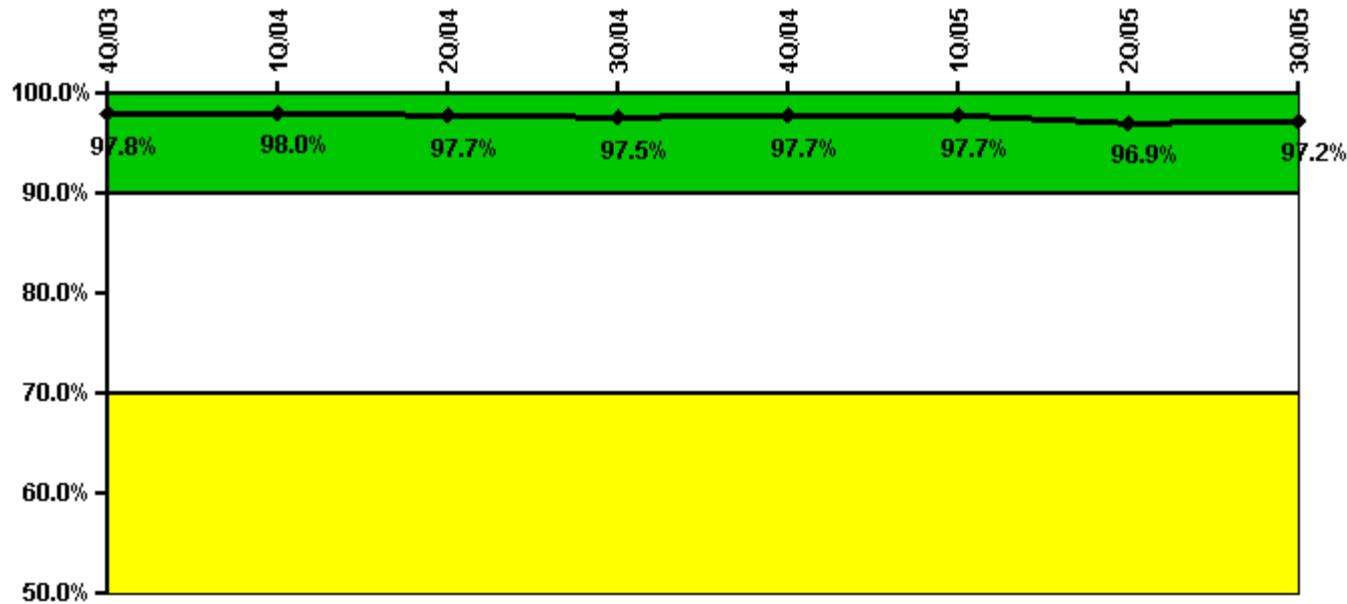
Notes

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	0.211	0.211	0.211	0.272	0.189	0.234	0.208	0.315	0.488	0.131	0.142	0.132
Indicator value	2.1	2.1	2.1	2.7	1.9	2.3	2.1	3.2	4.9	1.3	1.4	1.3
Reactor Coolant System Leakage	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum leakage	0.054	0.052	0.048	0.133	0.133	0.136	0.131	0.131	0.138	0.140	0.112	0.119
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	0.5	1.3	1.3	1.4	1.3	1.3	1.4	1.4	1.1	1.2

Licensee Comments:

9/05: Total RCS Leakage is being reported in lieu of Identified Leakage.

Drill/Exercise Performance

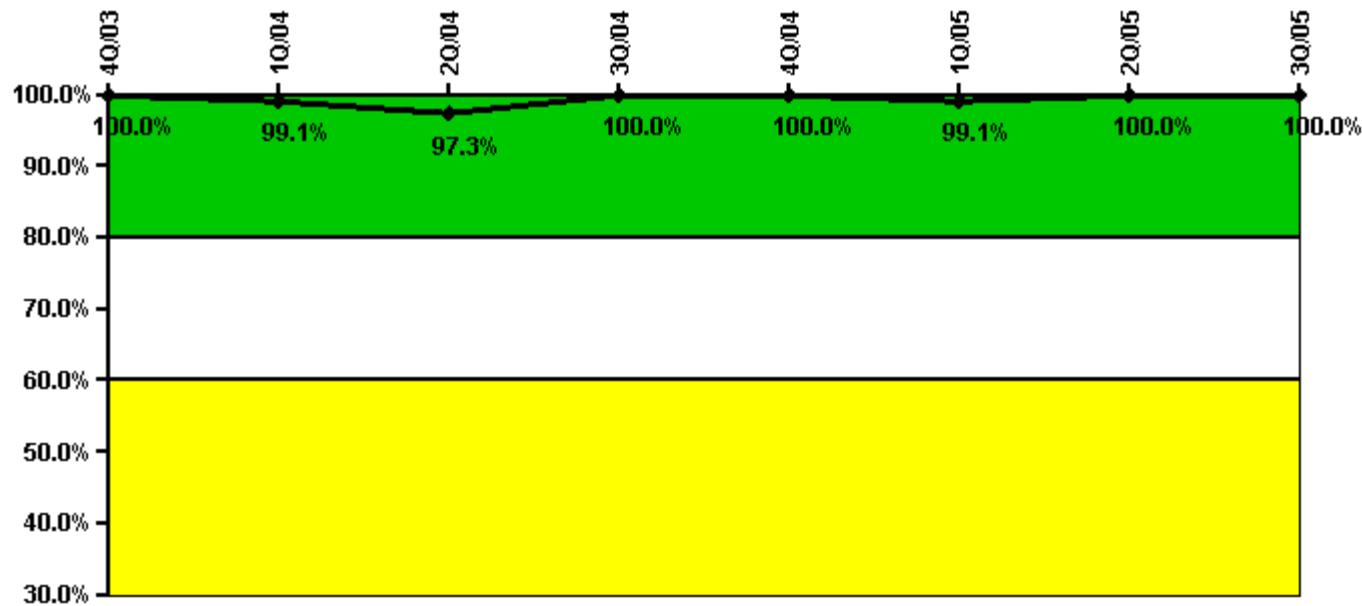


Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful opportunities	44.0	13.0	13.0	37.0	30.0	0	40.0	29.0
Total opportunities	46.0	13.0	14.0	37.0	30.0	0	42.0	30.0
Indicator value	97.8%	98.0%	97.7%	97.5%	97.7%	97.7%	96.9%	97.2%

Licensee Comments: none

ERO Drill Participation

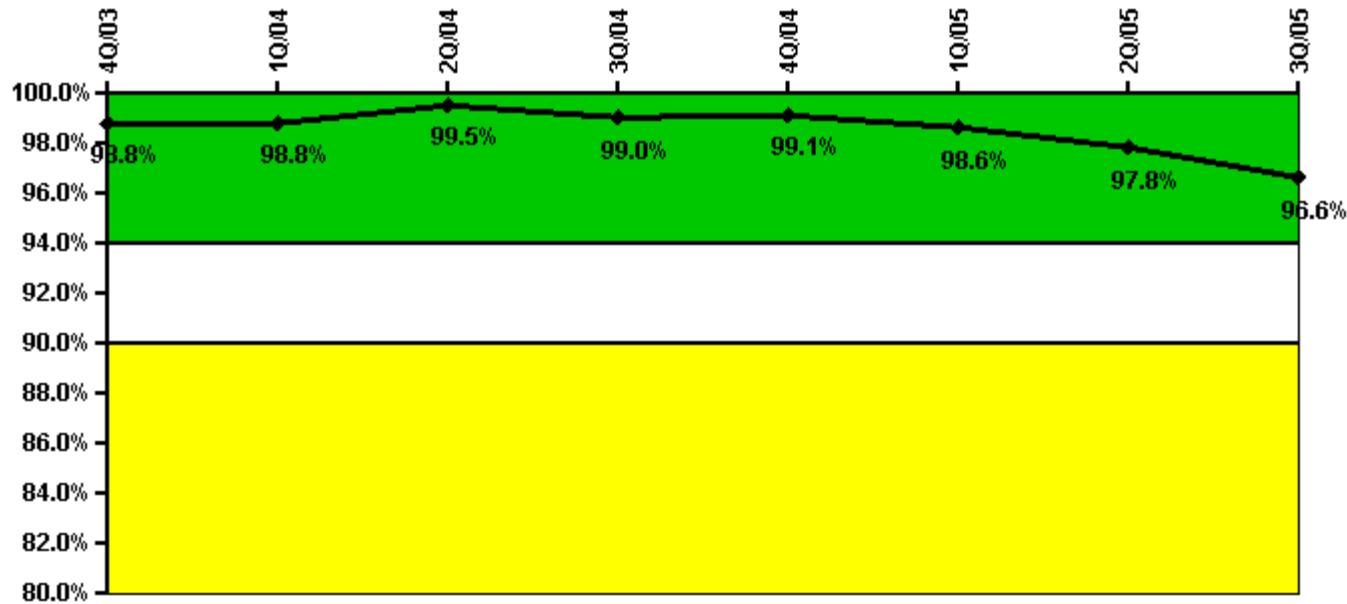
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Participating Key personnel	118.0	116.0	108.0	109.0	114.0	112.0	118.0	121.0
Total Key personnel	118.0	117.0	111.0	109.0	114.0	113.0	118.0	121.0
Indicator value	100.0%	99.1%	97.3%	100.0%	100.0%	99.1%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



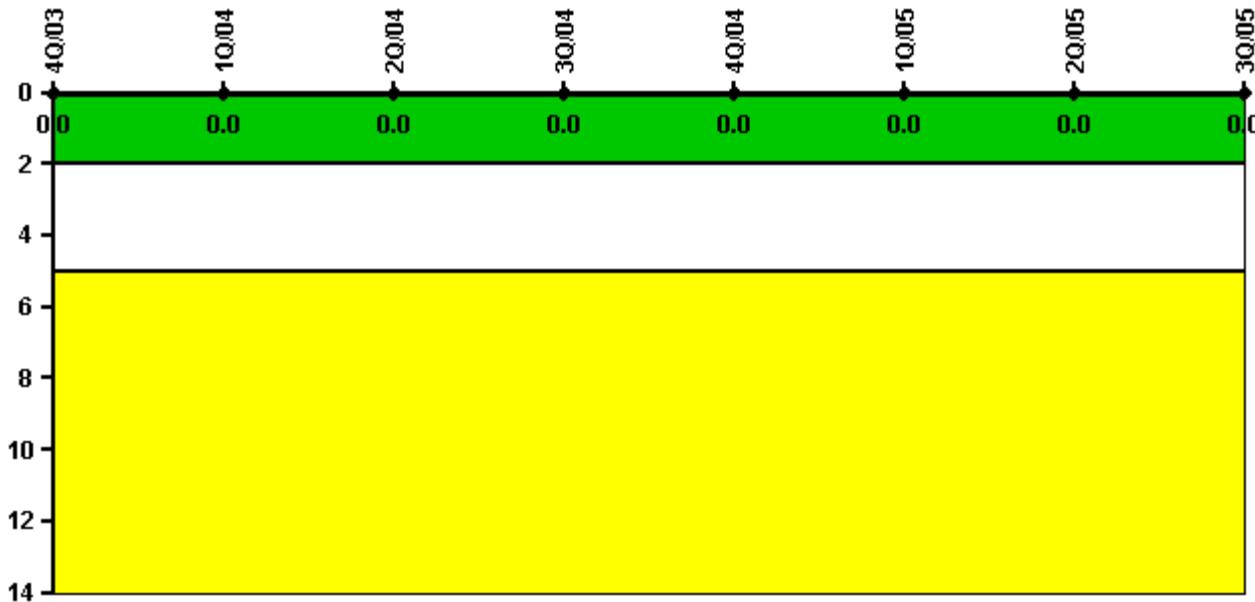
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful siren-tests	146	146	147	143	147	143	142	136
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	98.8%	98.8%	99.5%	99.0%	99.1%	98.6%	97.8%	96.6%

Licensee Comments:

2Q/05: Siren testing for ANO is initiated by the Arkansas Department of Health (ADH). For the month of April, 2005, the ADH originally reported 5 siren failures due to an encoder malfunction. During a recent Alert Notification System assessment, it was identified that only 1 of the 5 sirens was actually scheduled for testing during the encoder failure. Each of the other 4 sirens were already scheduled for later in the month and, in fact, passed their scheduled tests. The number of successful siren tests for April 2005 has been revised from 44 to 48.

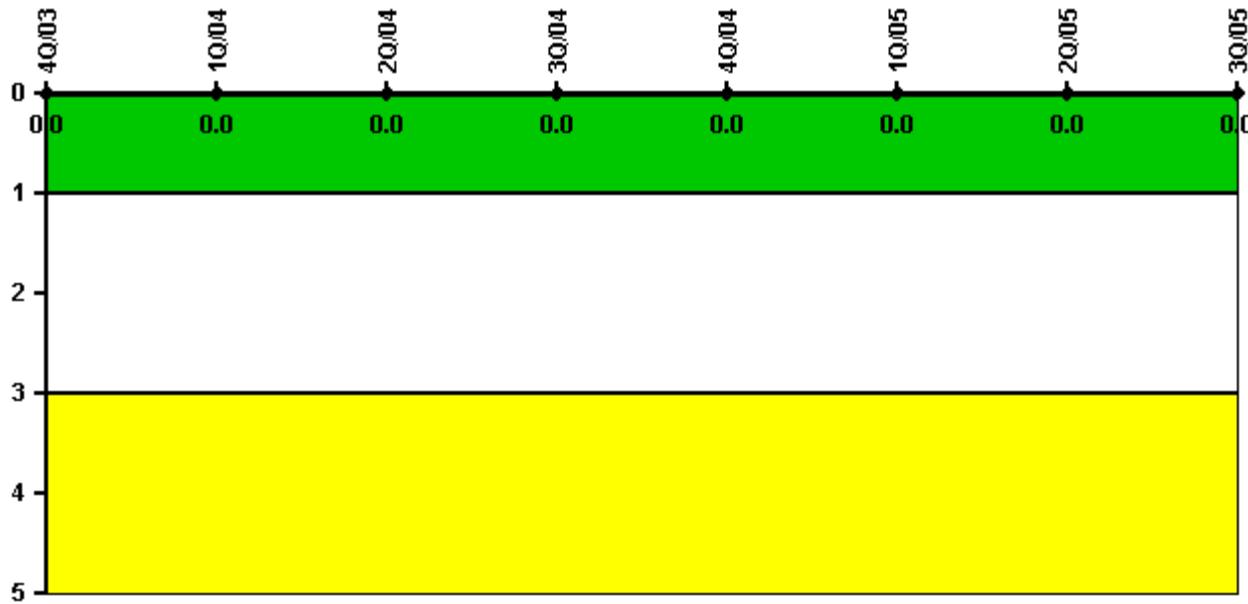
Occupational Exposure Control Effectiveness

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.

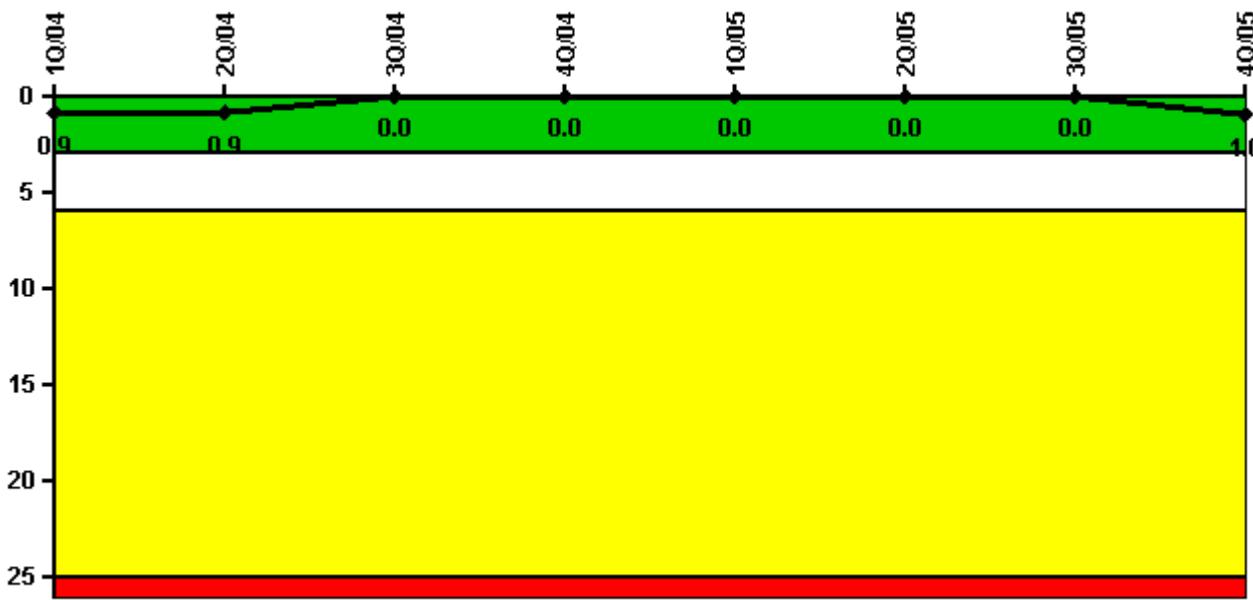


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: November 3, 2005

Arkansas Nuclear 1**4Q/2005 Performance Indicators**

Licensee's General Comments: none

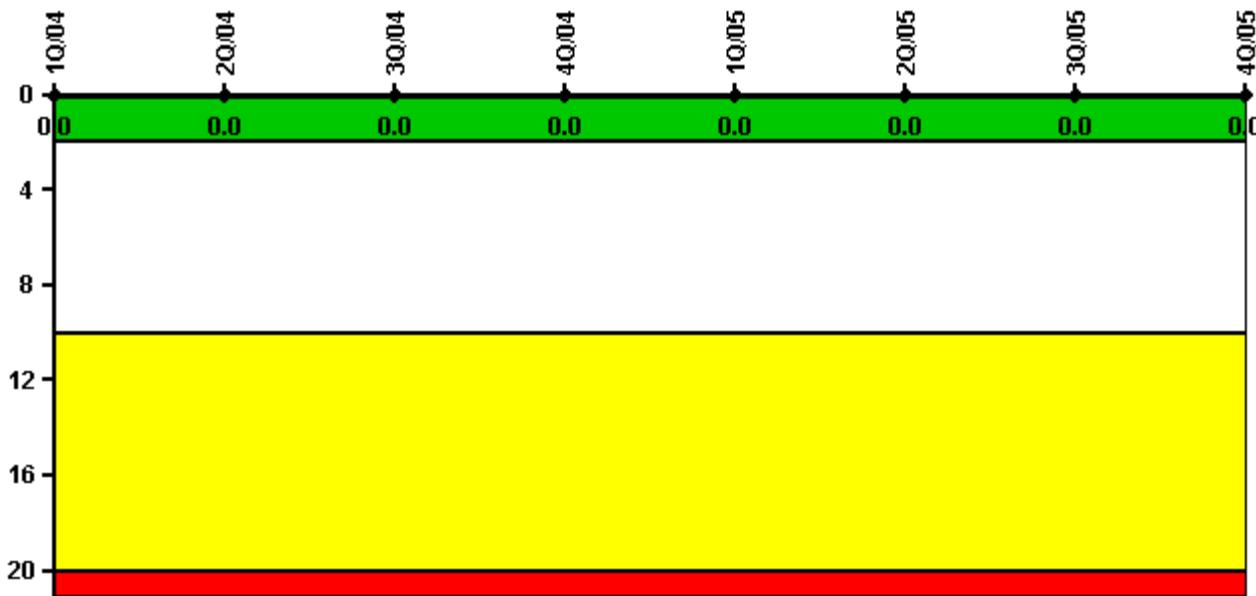
Unplanned Scrams per 7000 Critical Hrs

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	0	0	0	0	0	0	0	1.0
Critical hours	2184.0	1471.2	2208.0	2209.0	2160.0	2183.0	2208.0	259.4
Indicator value	0.9	0.9	0	0	0	0	0	1.0

Licensee Comments: none

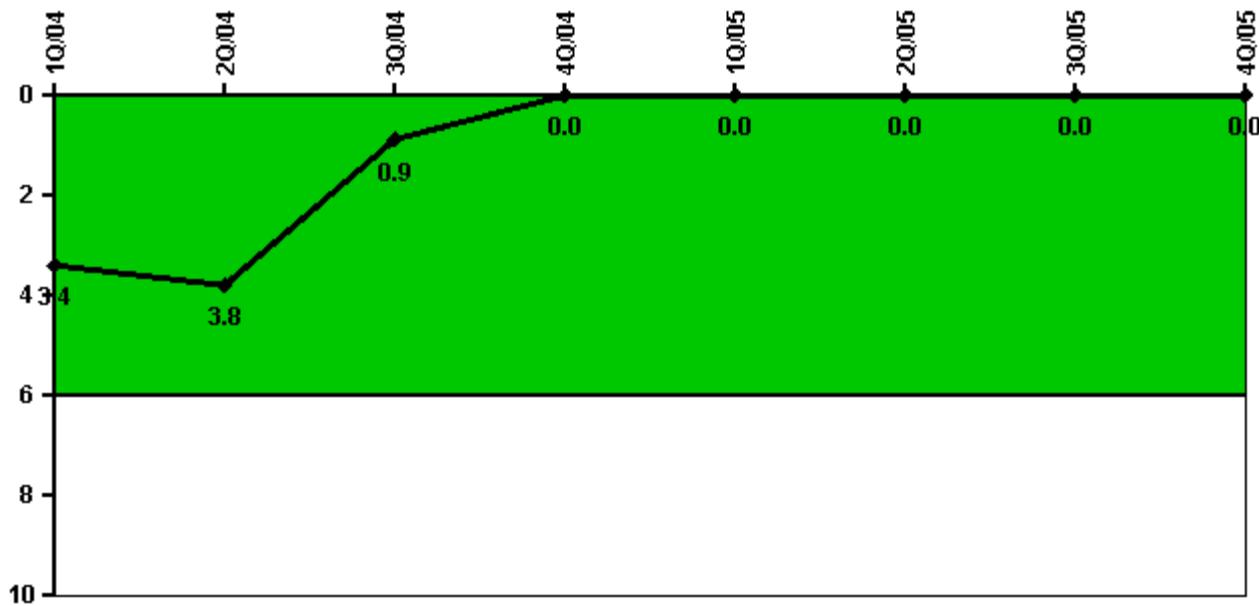
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

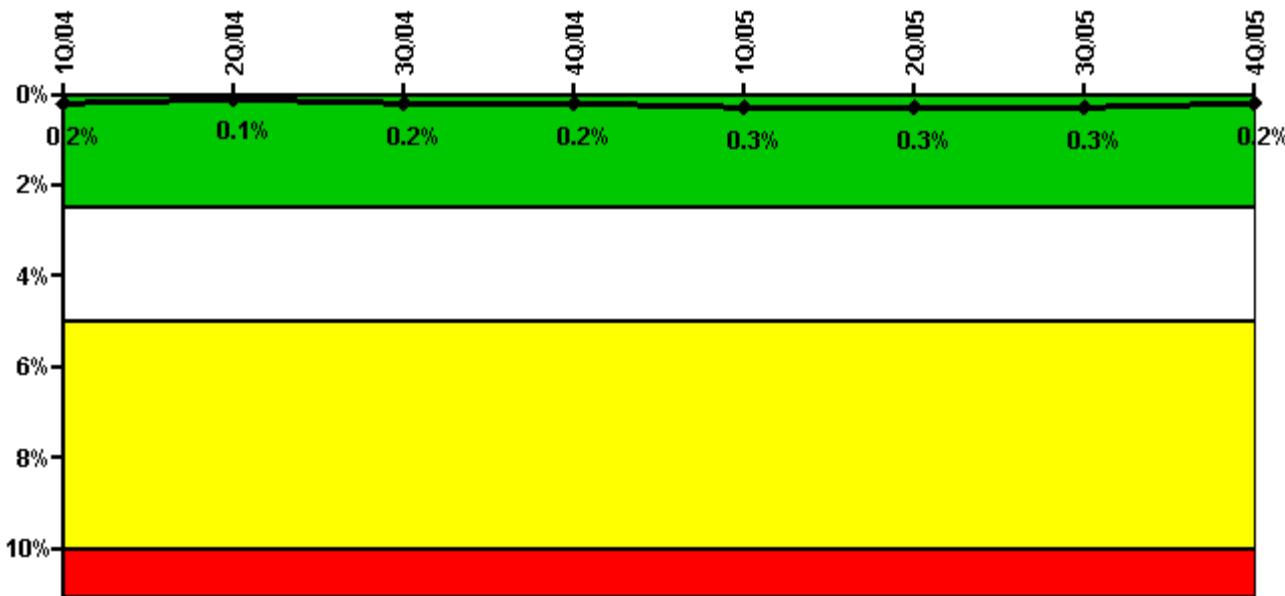
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	1471.2	2208.0	2209.0	2160.0	2183.0	2208.0	259.4
Indicator value	3.4	3.8	0.9	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



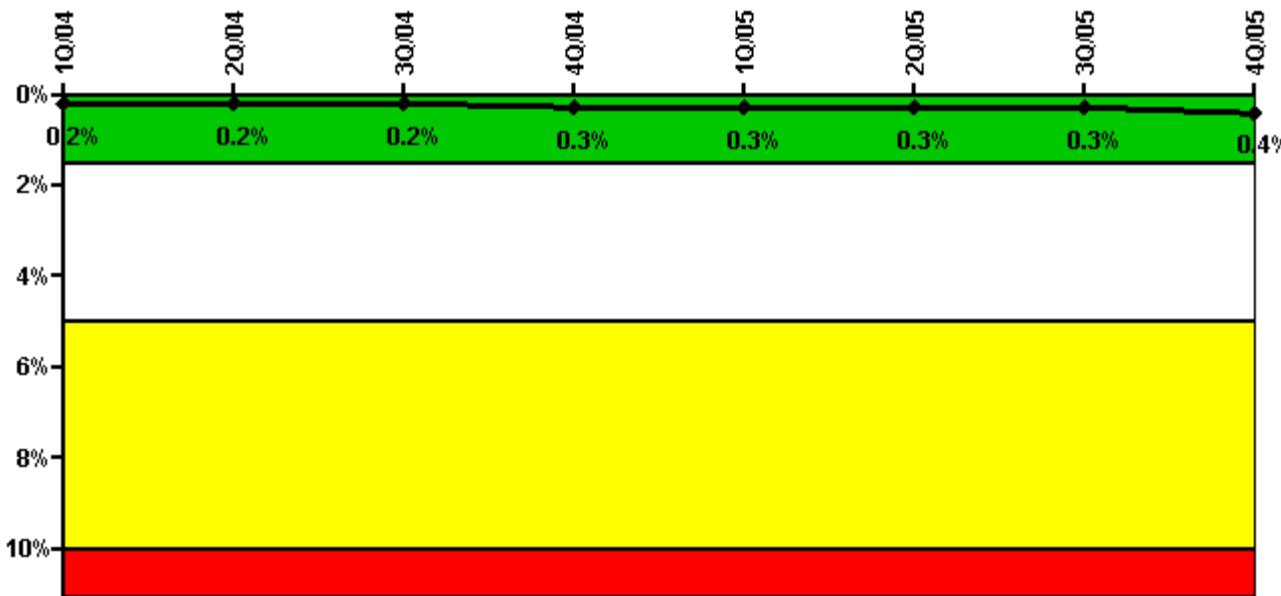
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	1.33	1.23	8.20	0.91	0.54	1.00	0.97	0.32
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	0.78	0.85	20.40	1.15	20.64	1.24	2.60	0
Unplanned unavailable hours	0	0	11.08	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	0.2%	0.1%	0.2%	0.2%	0.3%	0.3%	0.3%	0.2%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



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

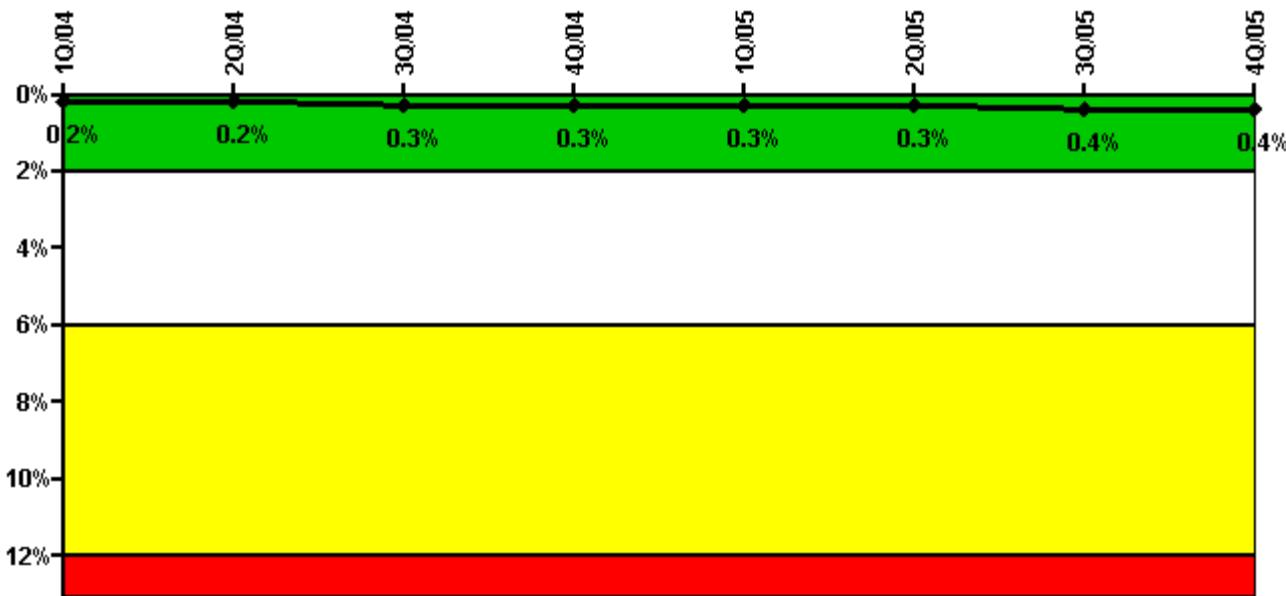
Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	0	0	17.12	0	17.70	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	1471.15	2208.00	2209.00	2160.00	2183.00	2208.00	259.40
Train 2								
Planned unavailable hours	0	0	0	57.20	0	11.17	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	1471.15	2208.00	2209.00	2160.00	2183.00	2208.00	259.40
Indicator value	0.2%	0.2%	0.2%	0.3%	0.3%	0.3%	0.3%	0.4%

Licensee Comments:

3Q/03: During data review for MSPI implementation, it was discovered that ANO-1 HPI Train 1 was unavailable for 19.03 hours in month of July, 2003, instead of the originally submitted 16.8 hours. This revised data has been submitted with the 4th Quarter 2005 submittal, and does not affect indicator color.

Safety System Unavailability, Heat Removal System (AFW)



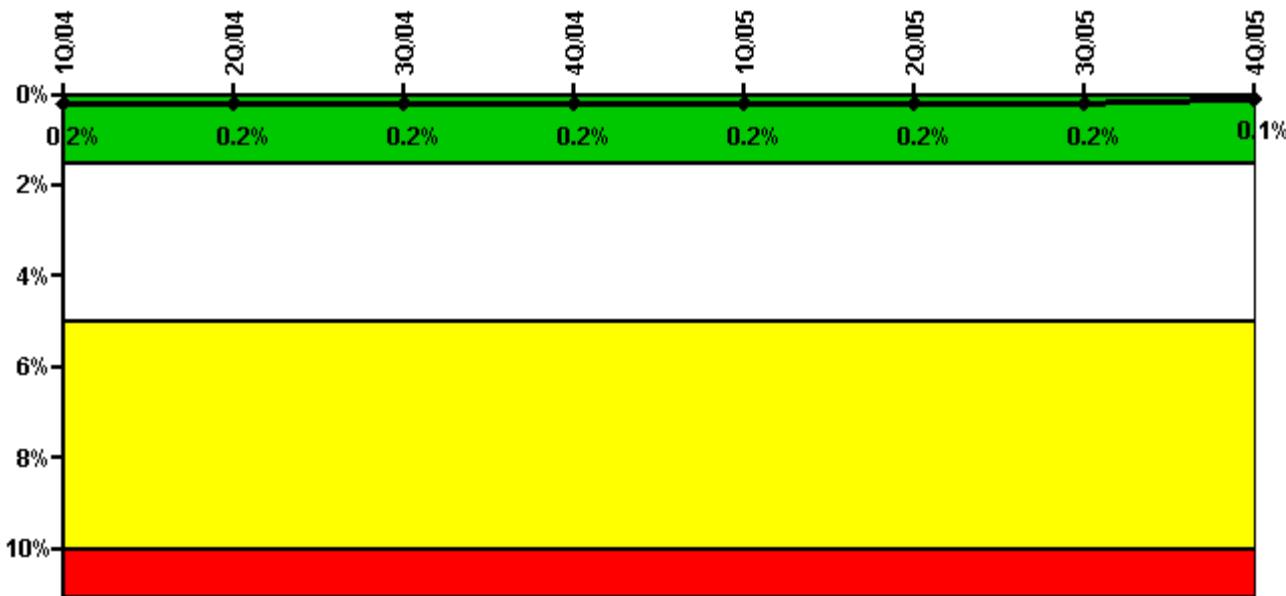
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

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	0.93	5.10	21.90	0	0	2.10	0	0
Unplanned unavailable hours	0	0	0	14.90	0	0	33.60	20.00
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	1317.00	2208.00	2209.00	2160.00	2183.00	2208.00	317.70
Train 2								
Planned unavailable hours	0	0	0	24.80	0	0	0	0
Unplanned unavailable hours	0	0	0	5.70	0	12.20	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	1720.00	2208.00	2209.00	2160.00	2183.00	2208.00	427.80
Indicator value	0.2%	0.2%	0.3%	0.3%	0.3%	0.3%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

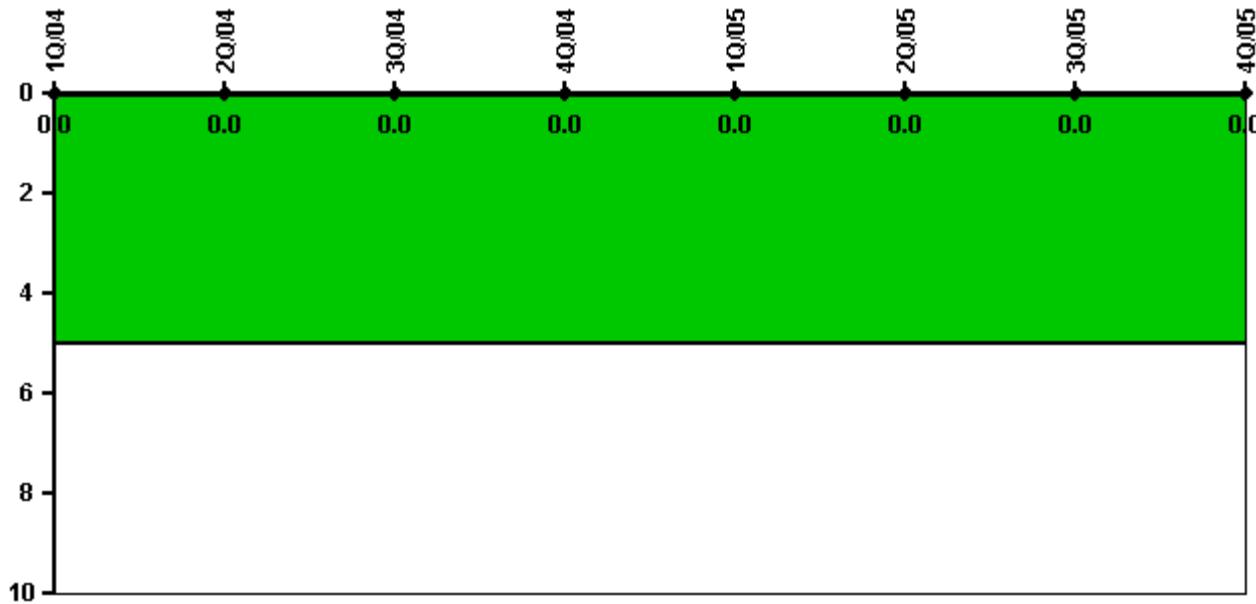


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	0	0	10.48	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	3.15
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	1091.10
Train 2								
Planned unavailable hours	7.42	0	12.22	0	0	0	8.10	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	1091.10
Indicator value	0.2%	0.1%						

Licensee Comments: none

Safety System Functional Failures (PWR)

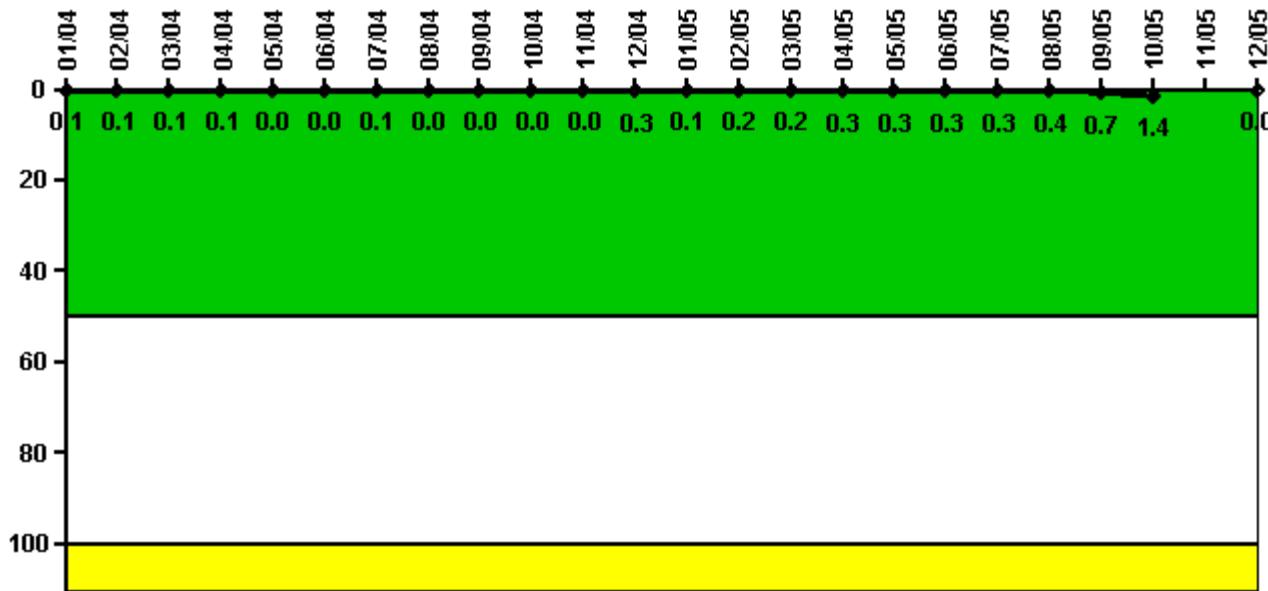
Thresholds: White > 5.0

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	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

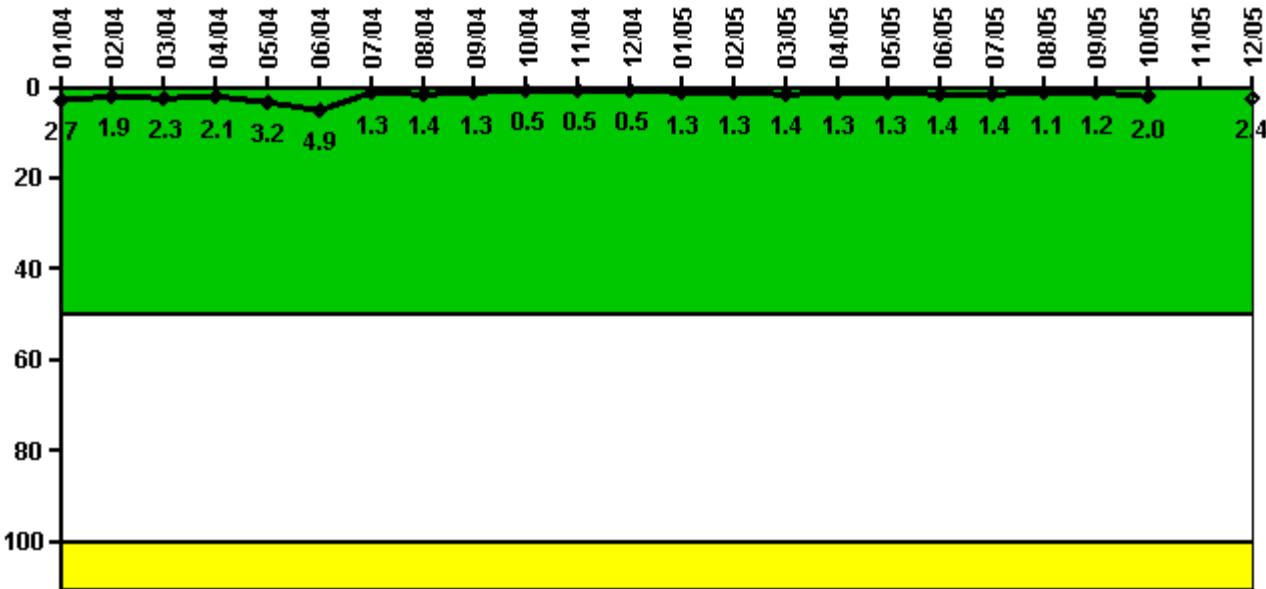
Notes

Reactor Coolant System Activity	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum activity	0.001830	0.001890	0.001930	0.003910	0.000834	0.001660	0.001960	0.001390	0.001230	0.001230	0.001310	0.009090
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0.1	0.1	0.1	0	0	0.1	0	0	0	0	0.3
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	0.003270	0.007350	0.006930	0.010200	0.009840	0.009150	0.009550	0.012400	0.024500	0.049600	N/A	0.001050
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.7	1.4	N/A	0

Licensee Comments:

12/05: ANO-1 was shut down for the entire month of November.

Reactor Coolant System Leakage



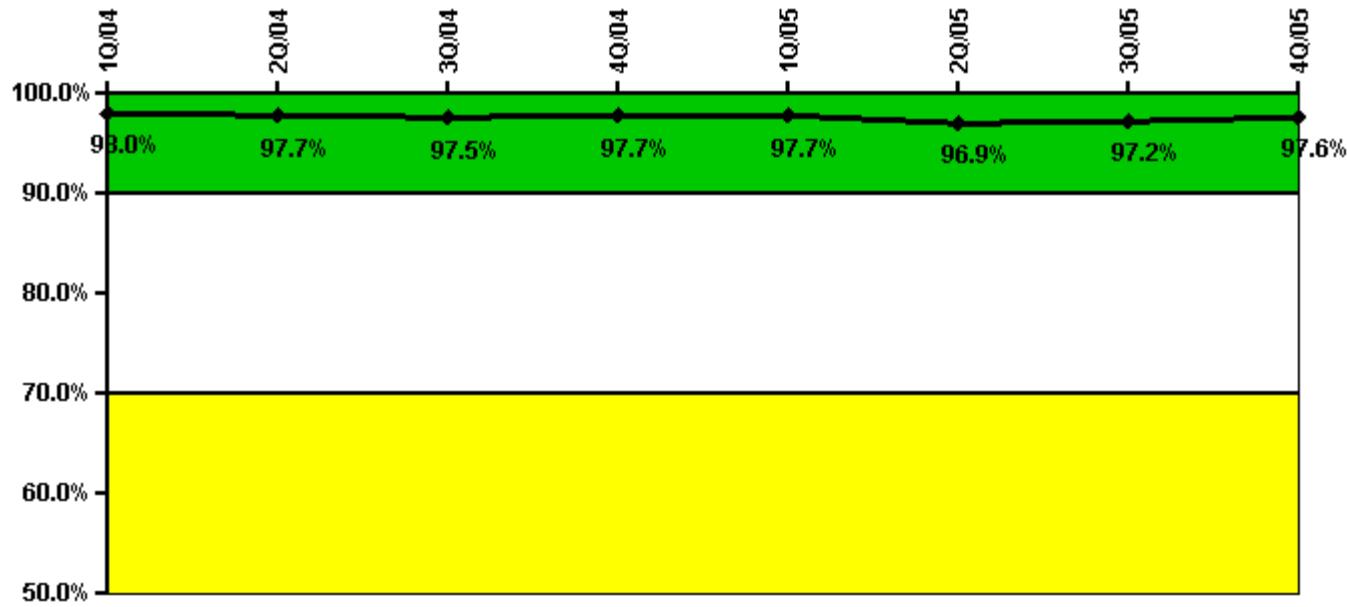
Thresholds: White > 50.0 Yellow > 100.0

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	0.272	0.189	0.234	0.208	0.315	0.488	0.131	0.142	0.132	0.054	0.052	0.048
Indicator value	2.7	1.9	2.3	2.1	3.2	4.9	1.3	1.4	1.3	0.5	0.5	0.5
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	0.133	0.133	0.136	0.131	0.131	0.138	0.140	0.112	0.119	0.195	N/A	0.237
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	1.3	1.4	1.3	1.3	1.4	1.4	1.1	1.2	2.0	N/A	2.4

Licensee Comments:

12/05: Total Leakage is being reported in lieu of Identified Leakage. ANO-1 was shut down for the entire month of November.

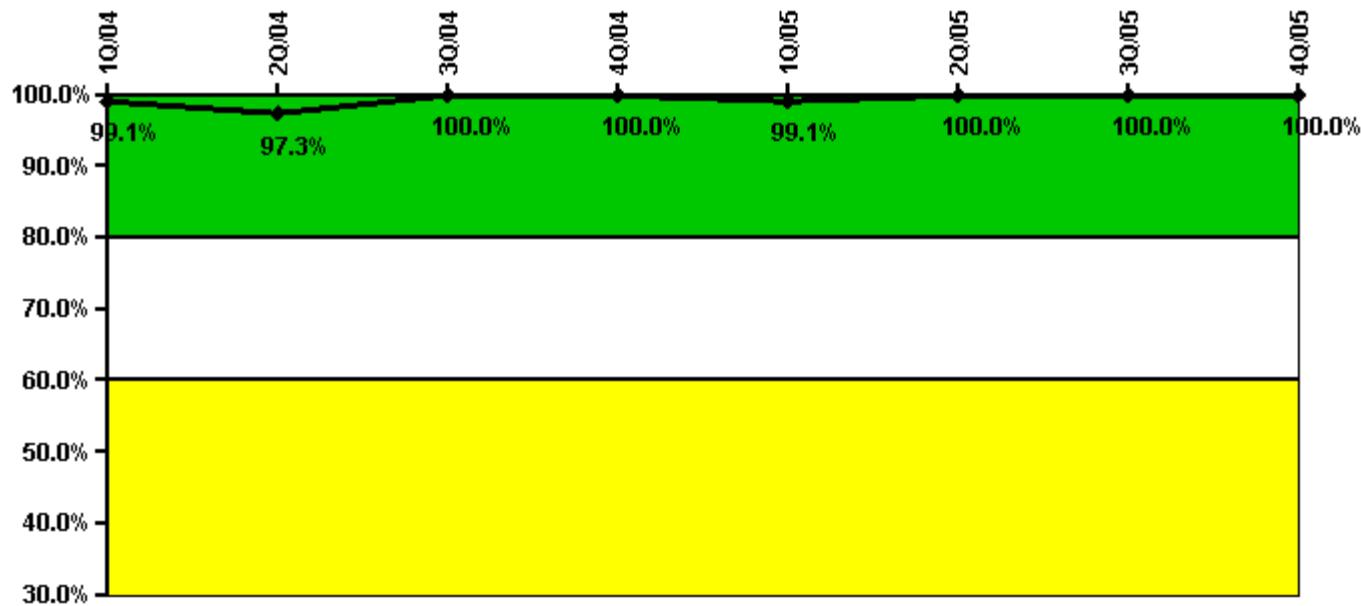
Drill/Exercise Performance

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	13.0	13.0	37.0	30.0	0	40.0	29.0	2.0
Total opportunities	13.0	14.0	37.0	30.0	0	42.0	30.0	2.0
Indicator value	98.0%	97.7%	97.5%	97.7%	97.7%	96.9%	97.2%	97.6%

Licensee Comments: none

ERO Drill Participation

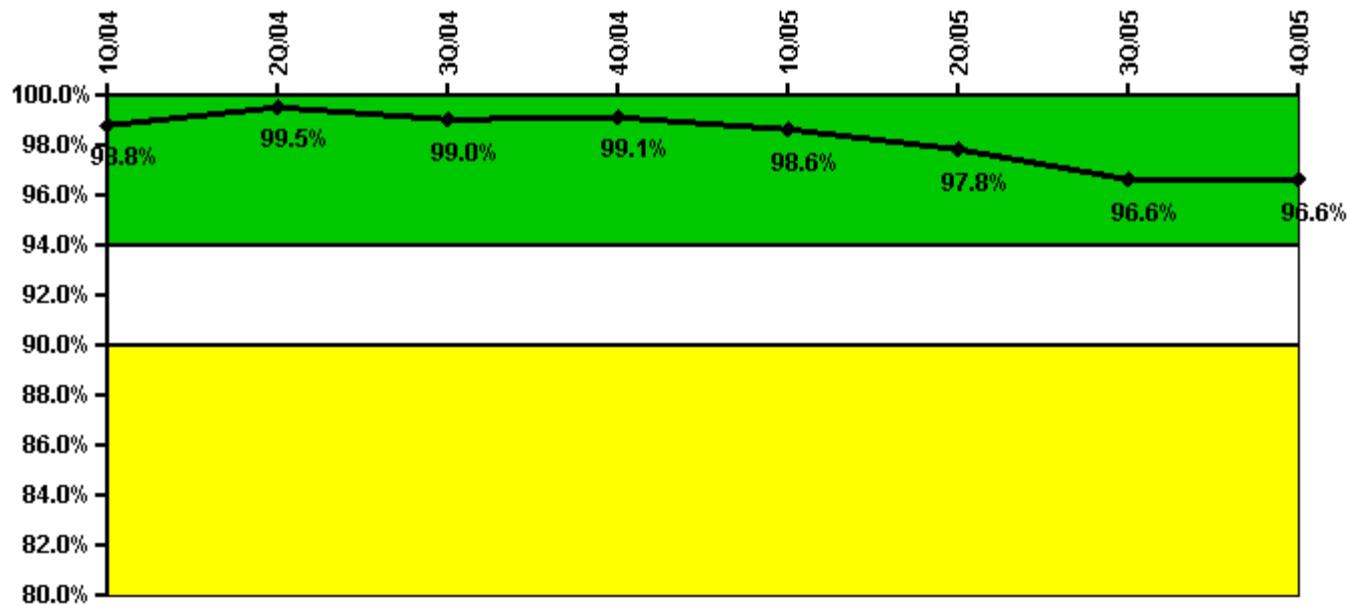
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Participating Key personnel	116.0	108.0	109.0	114.0	112.0	118.0	121.0	118.0
Total Key personnel	117.0	111.0	109.0	114.0	113.0	118.0	121.0	118.0
Indicator value	99.1%	97.3%	100.0%	100.0%	99.1%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System

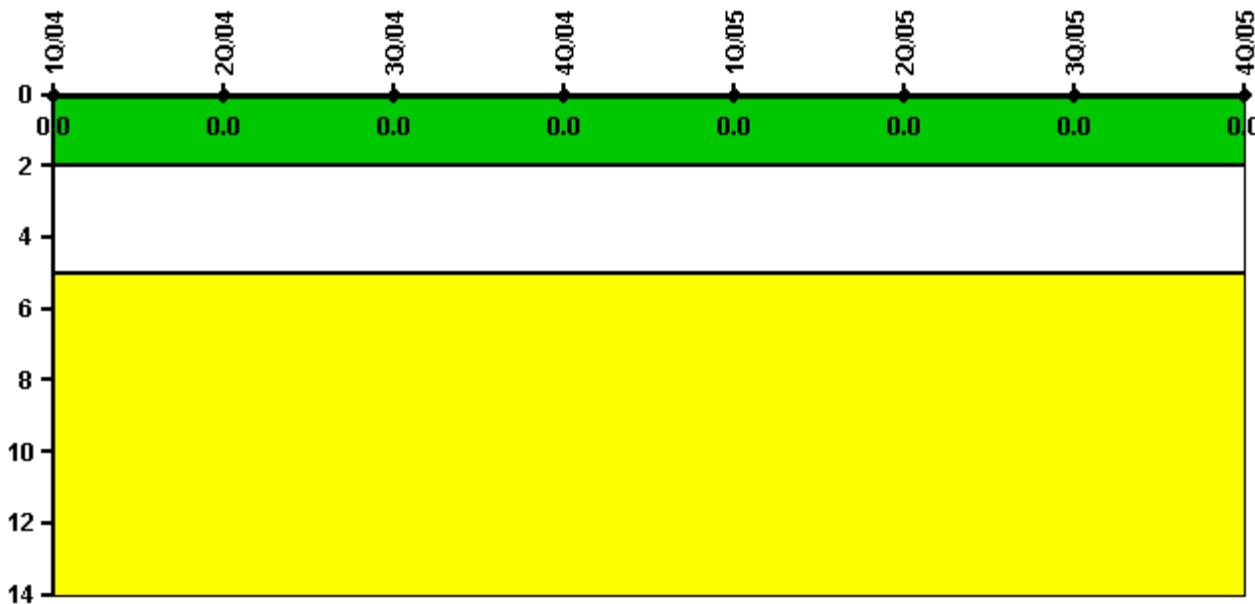


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful siren-tests	146	147	143	147	143	142	136	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	98.8%	99.5%	99.0%	99.1%	98.6%	97.8%	96.6%	96.6%

Licensee Comments: none

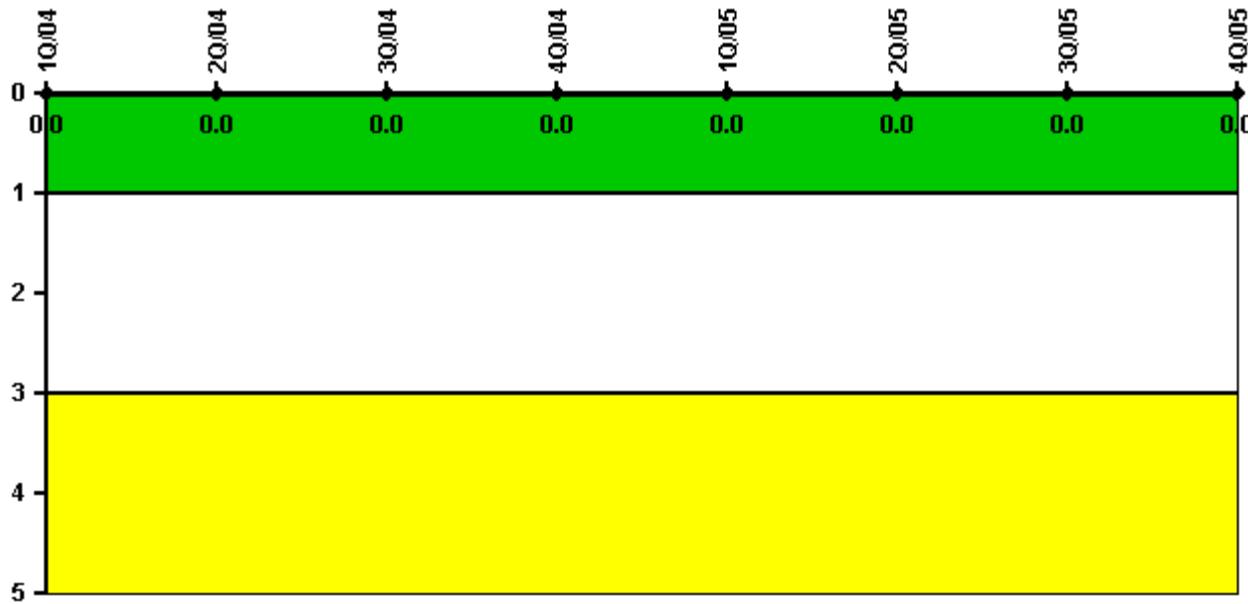
Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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.

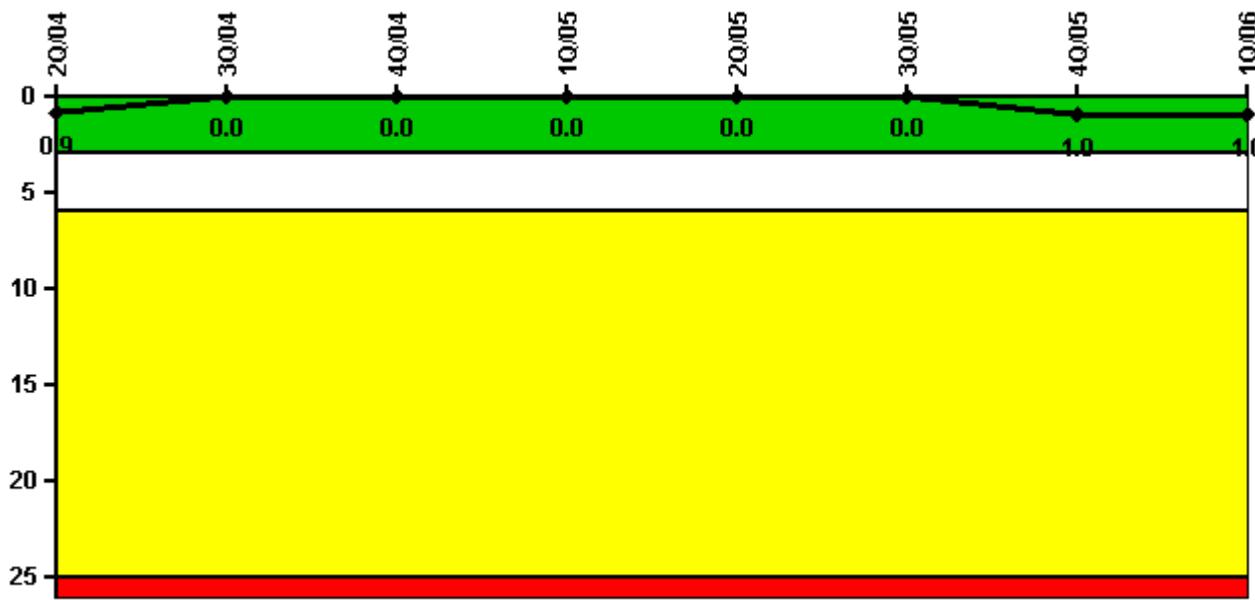


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: January 30, 2006

Arkansas Nuclear 1**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	0	1.0	0
Critical hours	1471.2	2208.0	2209.0	2160.0	2183.0	2208.0	259.4	2160.0
Indicator value	0.9	0	0	0	0	0	1.0	1.0

Licensee Comments: none

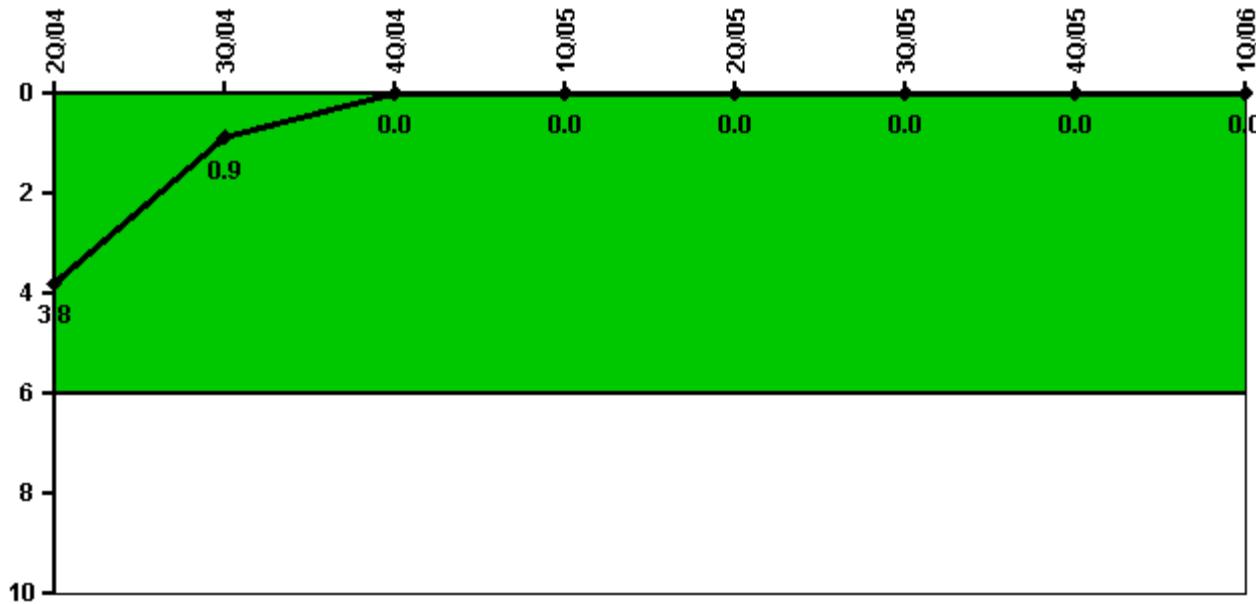
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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

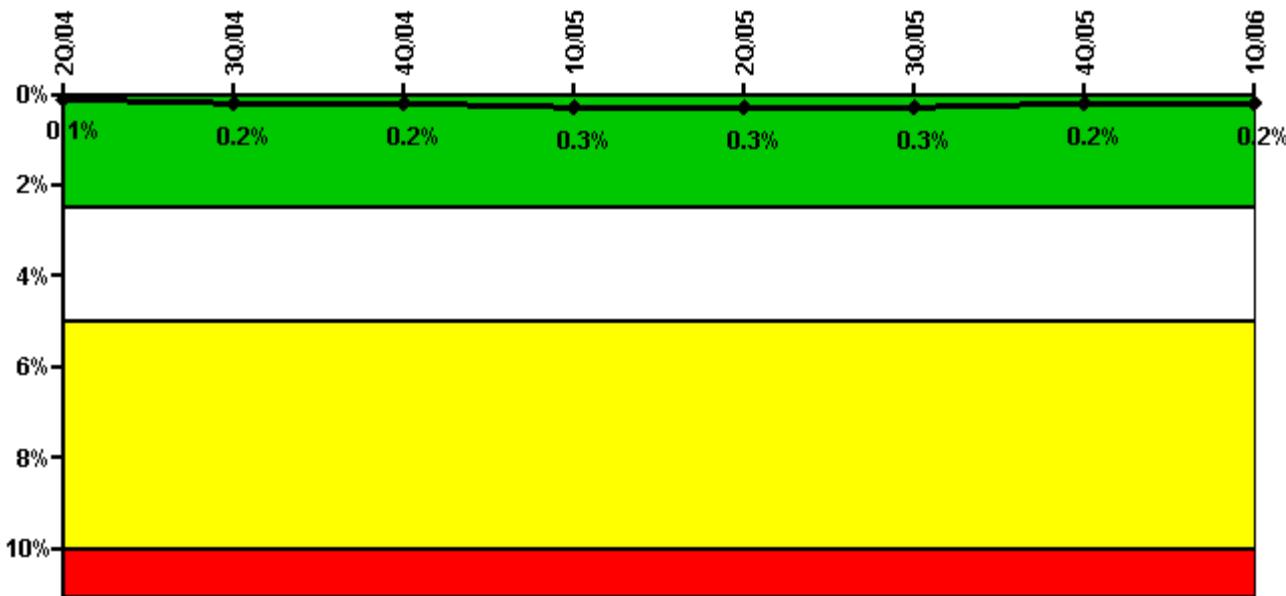
Thresholds: White > 6.0

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	0	0	0	0	0	0
Critical hours	1471.2	2208.0	2209.0	2160.0	2183.0	2208.0	259.4	2160.0
Indicator value	3.8	0.9	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



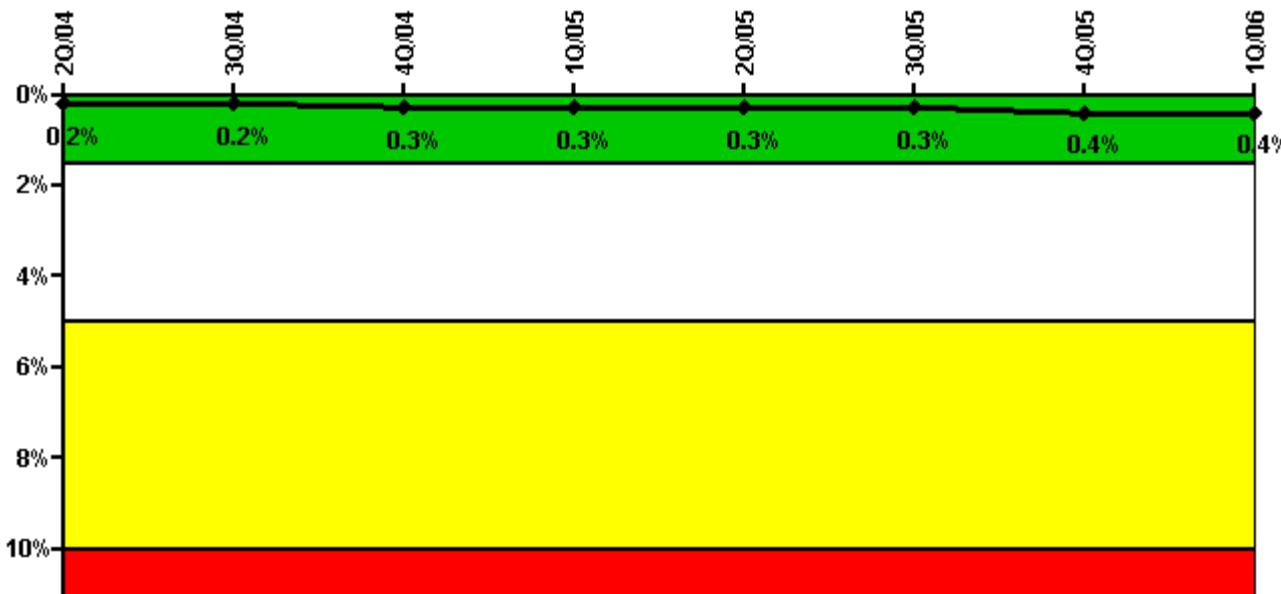
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	1.23	8.20	0.91	0.54	1.00	0.97	0.32	0.80
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0.85	20.40	1.15	20.64	1.24	2.60	0	1.25
Unplanned unavailable hours	0	11.08	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	0.1%	0.2%	0.2%	0.3%	0.3%	0.3%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



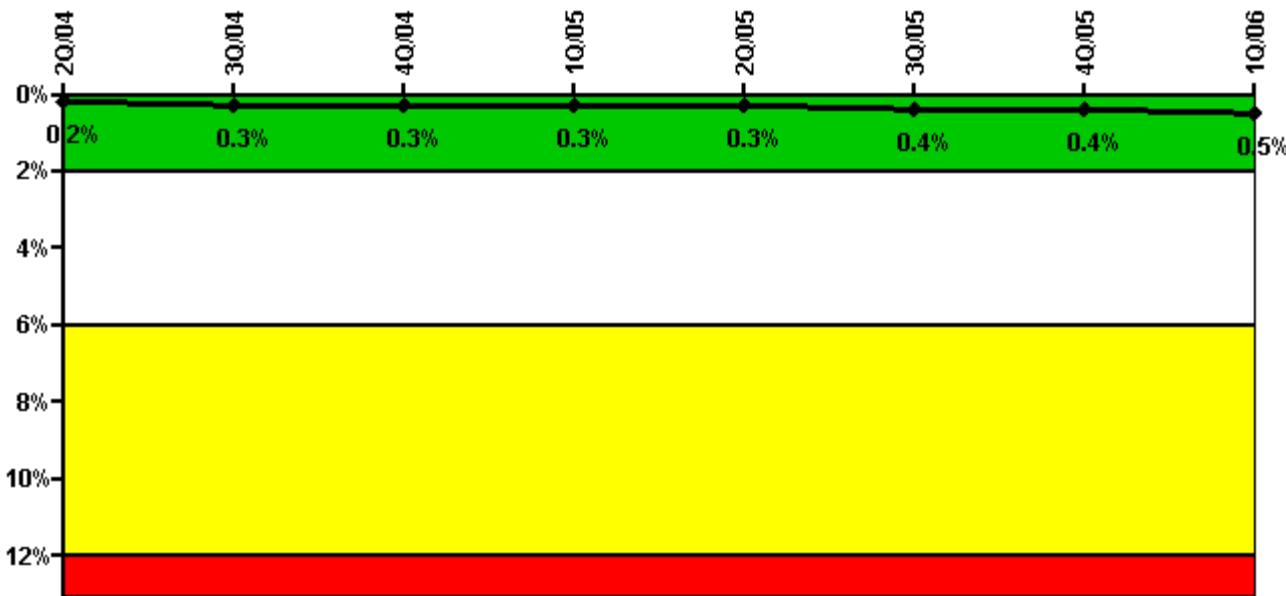
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	0	17.12	0	17.70	0	0	0	6.73
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1471.15	2208.00	2209.00	2160.00	2183.00	2208.00	259.40	2160.00
Train 2								
Planned unavailable hours	0	0	57.20	0	11.17	0	0	13.52
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1471.15	2208.00	2209.00	2160.00	2183.00	2208.00	259.40	2160.00
Indicator value	0.2%	0.2%	0.3%	0.3%	0.3%	0.3%	0.4%	0.4%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



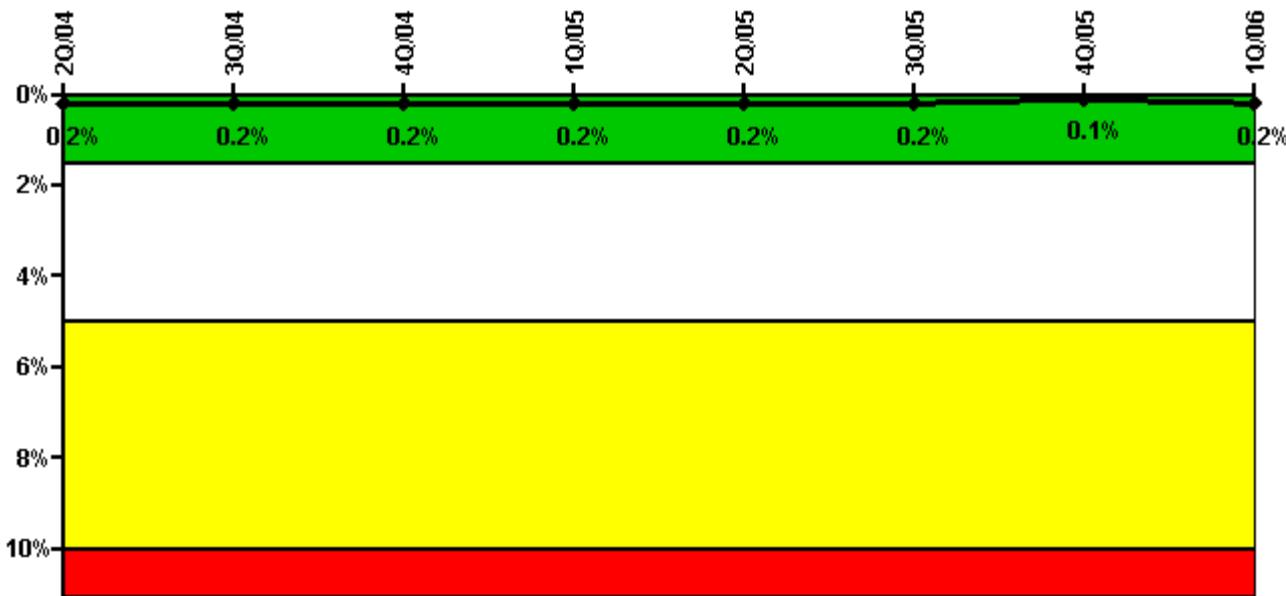
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

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	5.10	21.90	0	0	2.10	0	0	0
Unplanned unavailable hours	0	0	14.90	0	0	33.60	20.00	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	1317.00	2208.00	2209.00	2160.00	2183.00	2208.00	317.70	2160.00
Train 2								
Planned unavailable hours	0	0	24.80	0	0	0	0	12.40
Unplanned unavailable hours	0	0	5.70	0	12.20	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1720.00	2208.00	2209.00	2160.00	2183.00	2208.00	427.80	2160.00
Indicator value	0.2%	0.3%	0.3%	0.3%	0.3%	0.4%	0.4%	0.5%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

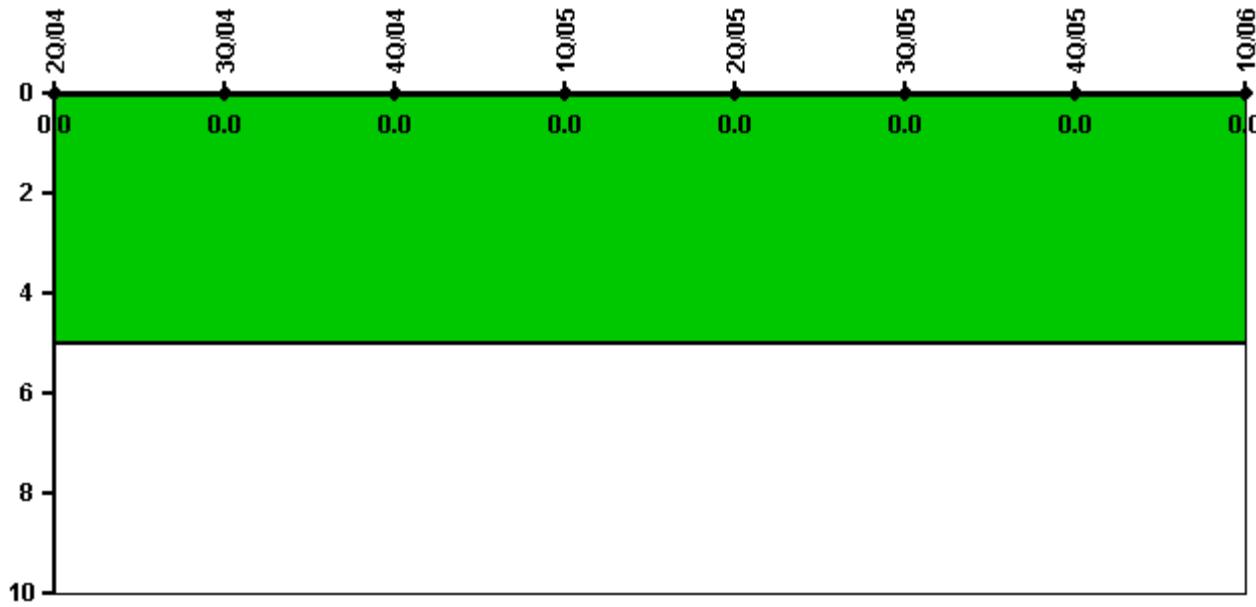


Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	0	10.48	0	0	0	0	0	18.10
Unplanned unavailable hours	0	0	0	0	0	0	3.15	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	1091.10	2160.00
Train 2								
Planned unavailable hours	0	12.22	0	0	0	8.10	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	1091.10	2160.00
Indicator value	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%	0.2%

Licensee Comments: none

Safety System Functional Failures (PWR)

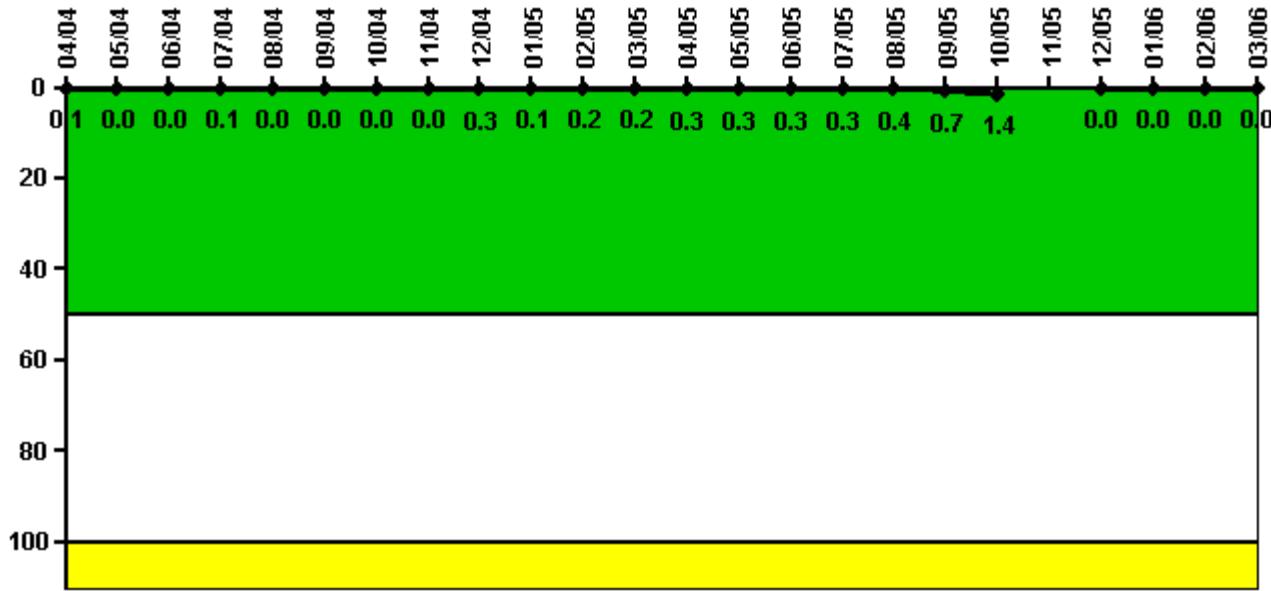
Thresholds: White > 5.0

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	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

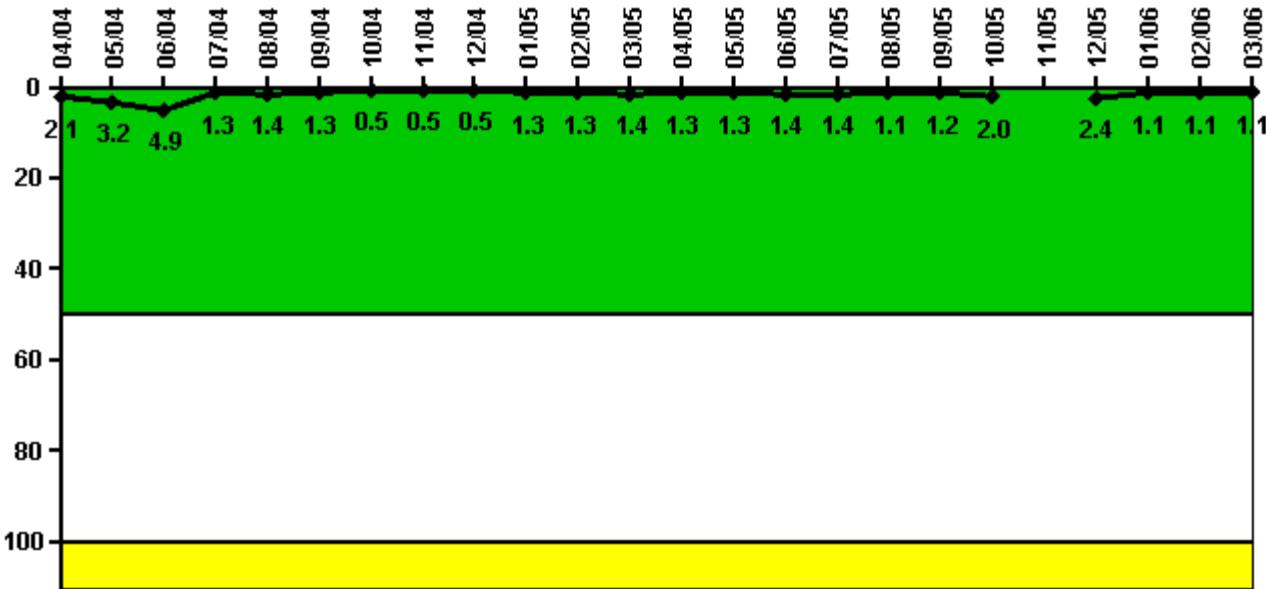
Notes

Reactor Coolant System Activity	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	0.003910	0.000834	0.001660	0.001960	0.001390	0.001230	0.001230	0.001310	0.009090	0.003270	0.007350	0.006930
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0	0	0.1	0	0	0	0	0.3	0.1	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	0.010200	0.009840	0.009150	0.009550	0.012400	0.024500	0.049600	N/A	0.001050	0.001430	0.001480	0.001470
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.3	0.3	0.3	0.3	0.4	0.7	1.4	N/A	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



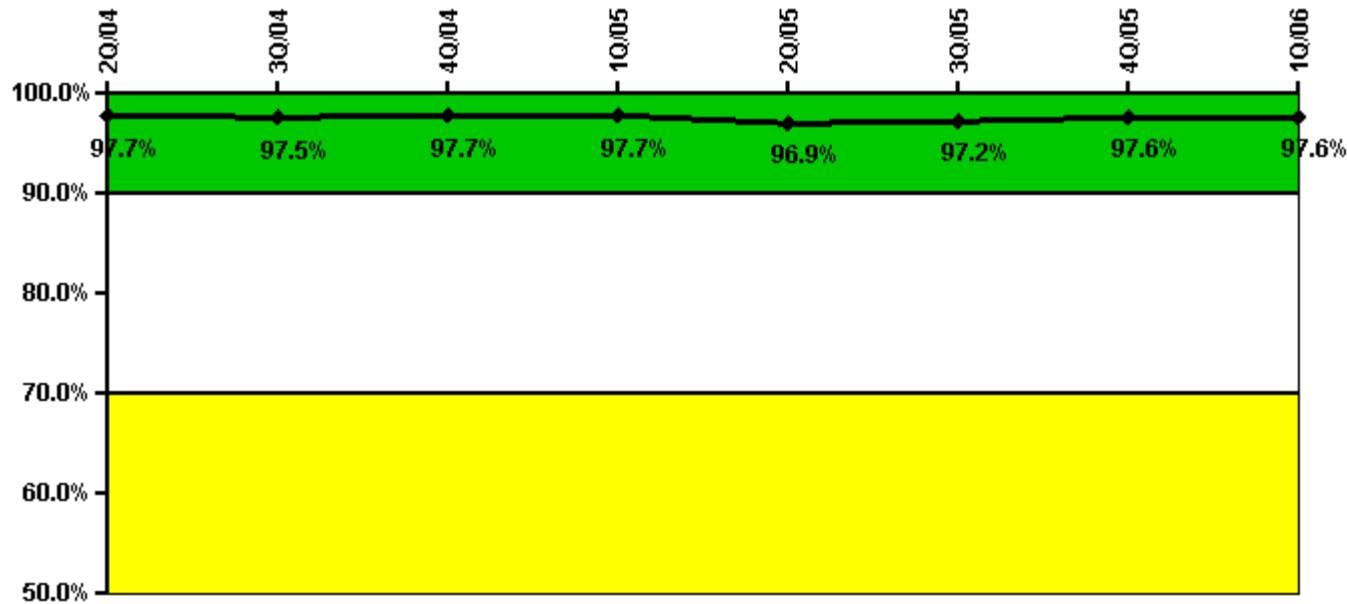
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05
Maximum leakage	0.208	0.315	0.488	0.131	0.142	0.132	0.054	0.052	0.048	0.133	0.133	0.136
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	3.2	4.9	1.3	1.4	1.3	0.5	0.5	0.5	1.3	1.3	1.4
Reactor Coolant System Leakage	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum leakage	0.131	0.131	0.138	0.140	0.112	0.119	0.195	N/A	0.237	0.106	0.107	0.112
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	1.3	1.4	1.4	1.1	1.2	2.0	N/A	2.4	1.1	1.1	1.1

Licensee Comments:

3/06: Total RCS Leakage is being reported in lieu of Identified Leakage.

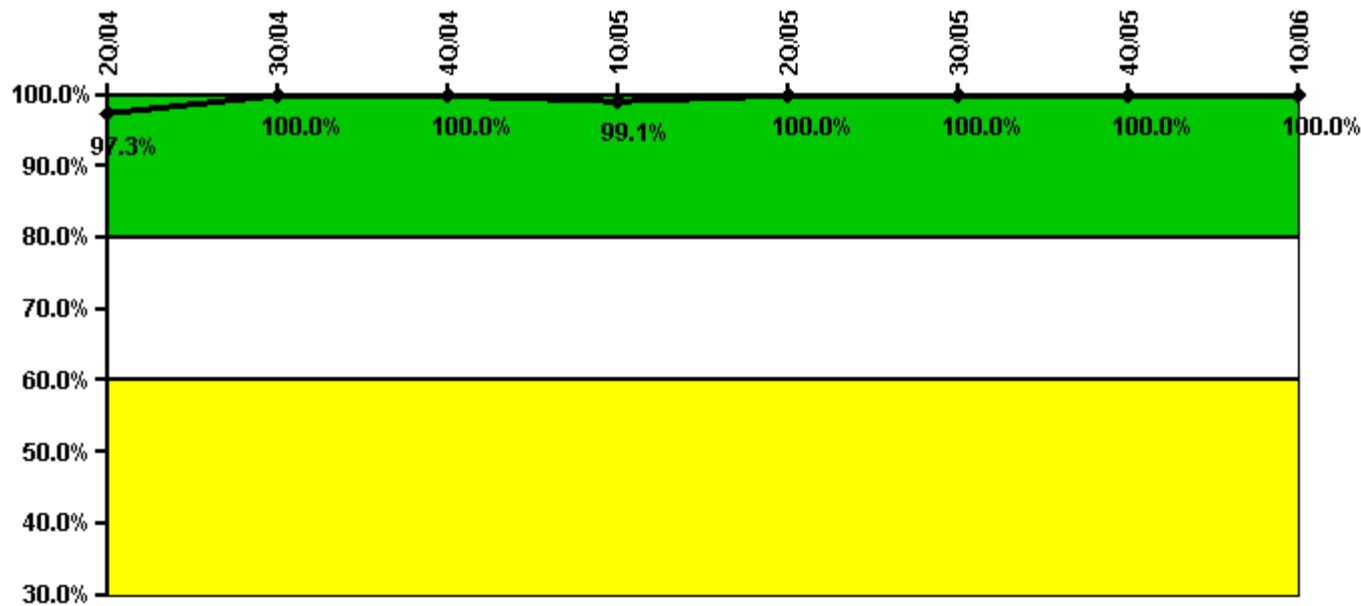
Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful opportunities	13.0	37.0	30.0	0	40.0	29.0	2.0	11.0
Total opportunities	14.0	37.0	30.0	0	42.0	30.0	2.0	11.0
Indicator value	97.7%	97.5%	97.7%	97.7%	96.9%	97.2%	97.6%	97.6%

Licensee Comments: none

ERO Drill Participation

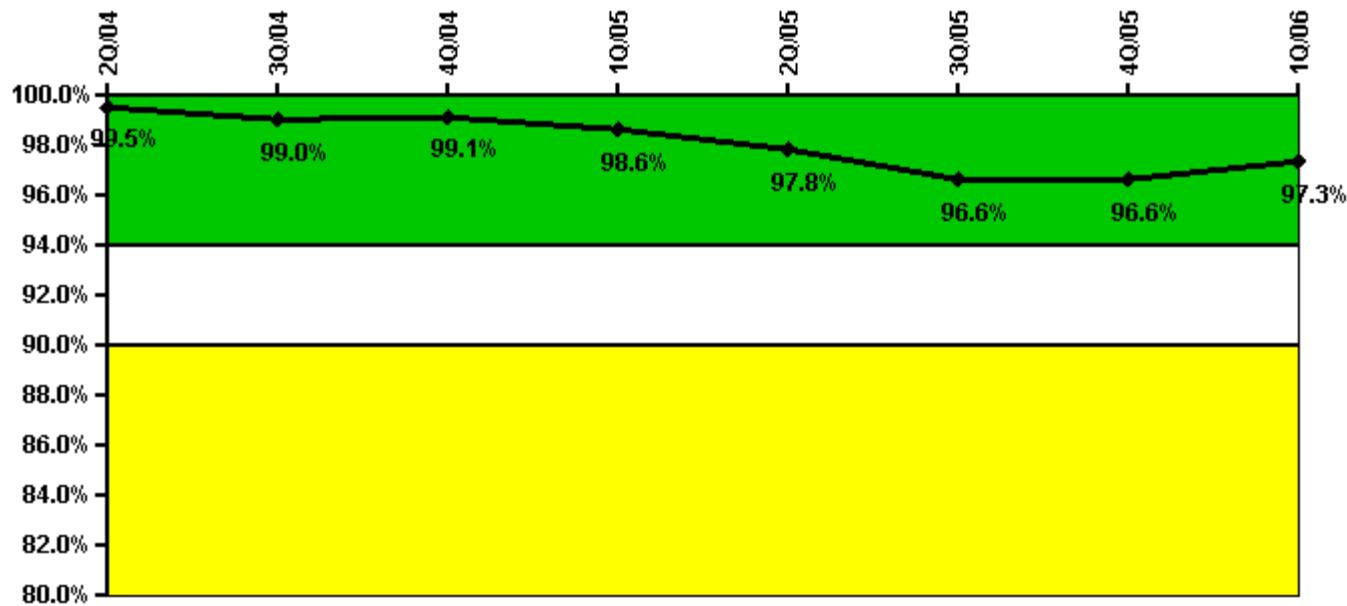
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Participating Key personnel	108.0	109.0	114.0	112.0	118.0	121.0	118.0	113.0
Total Key personnel	111.0	109.0	114.0	113.0	118.0	121.0	118.0	113.0
Indicator value	97.3%	100.0%	100.0%	99.1%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful siren-tests	147	143	147	143	142	136	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.5%	99.0%	99.1%	98.6%	97.8%	96.6%	96.6%	97.3%

Licensee Comments: none

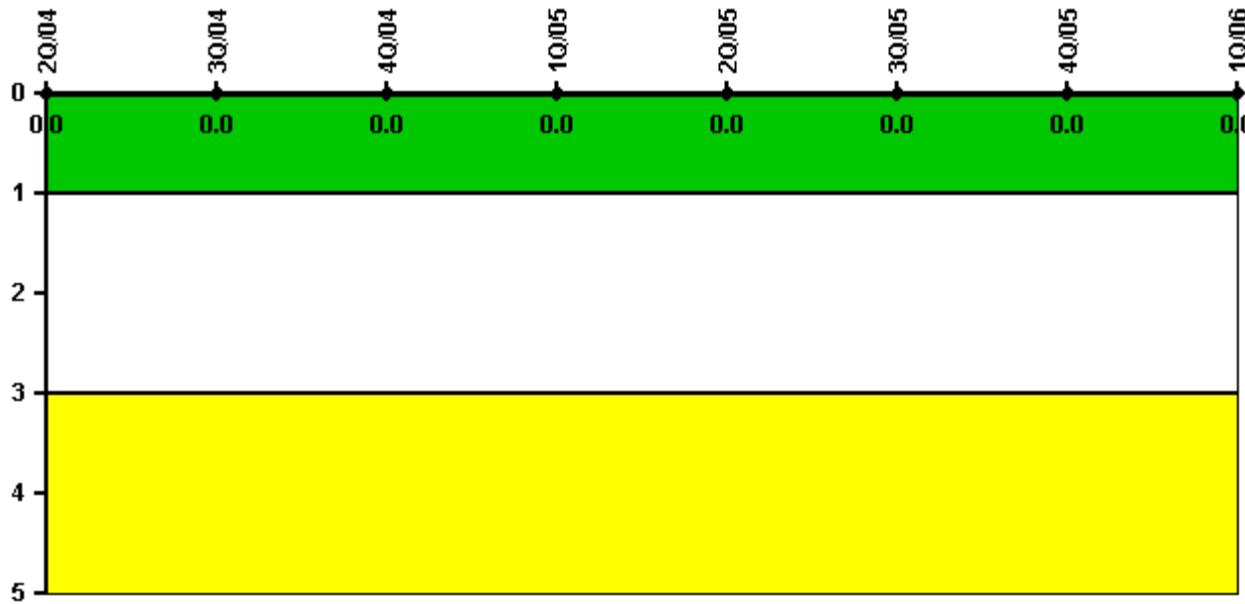
Occupational Exposure Control Effectiveness

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.

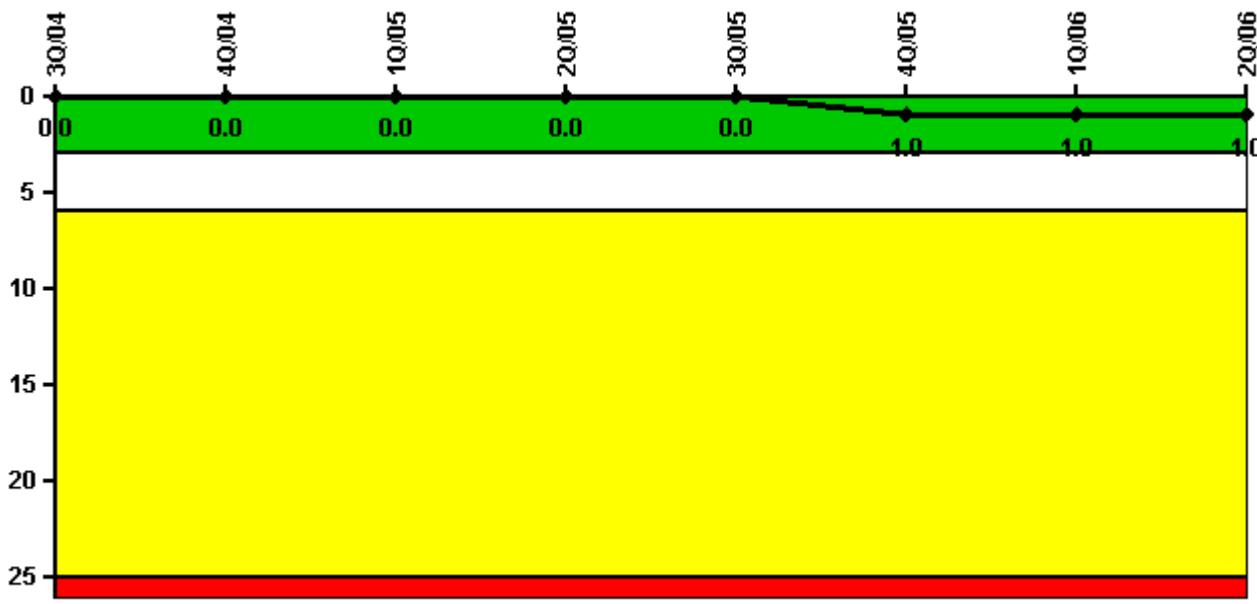


[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Last Modified: May 5, 2006

Arkansas Nuclear 1**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	0	1.0	0	0
Critical hours	2208.0	2209.0	2160.0	2183.0	2208.0	259.4	2160.0	2183.0
Indicator value	0	0	0	0	0	1.0	1.0	1.0

Licensee Comments: none

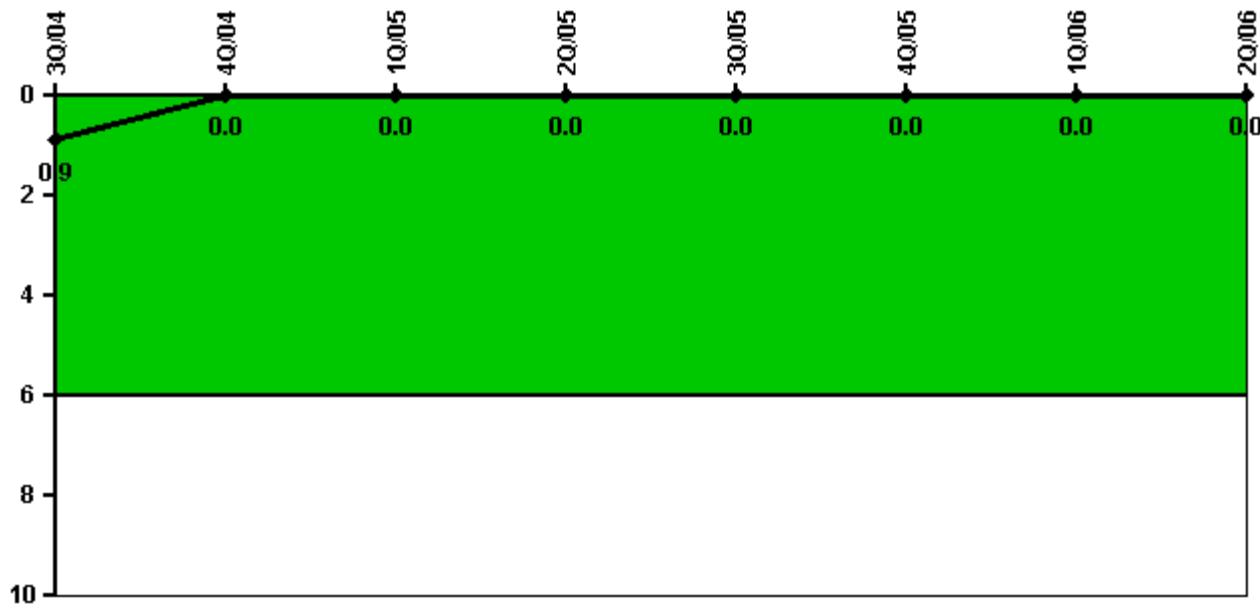
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

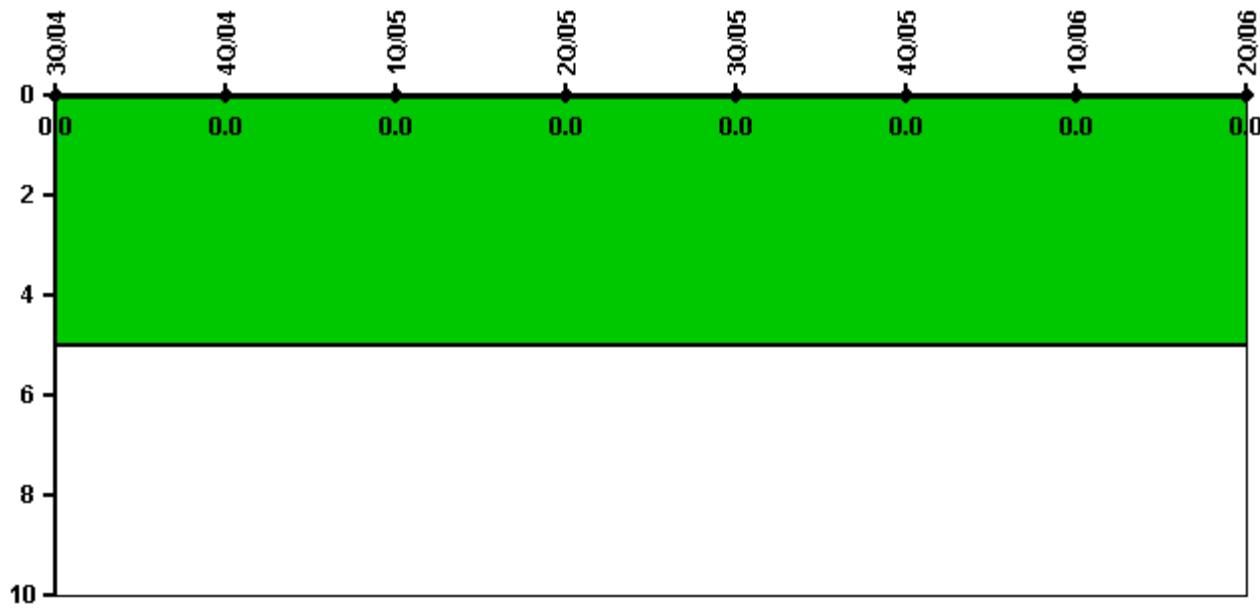
Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2160.0	2183.0	2208.0	259.4	2160.0	2183.0
Indicator value	0.9	0						

Licensee Comments: none

Safety System Functional Failures (PWR)

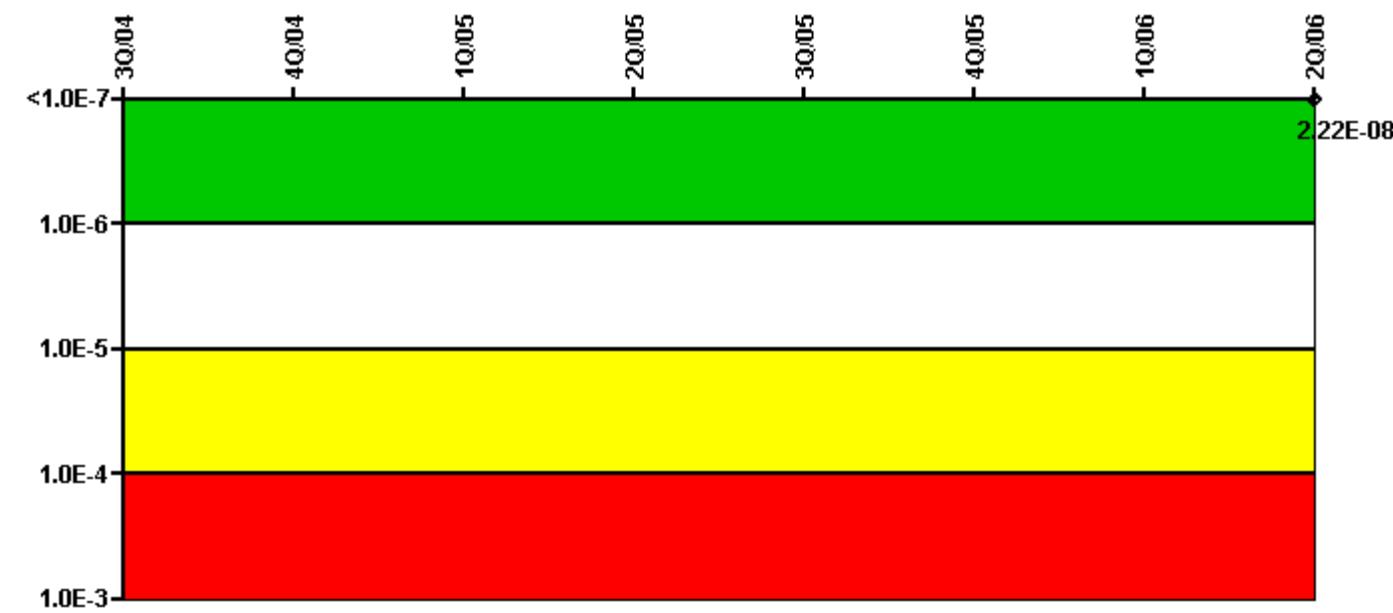
Thresholds: White > 5.0

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	0							

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



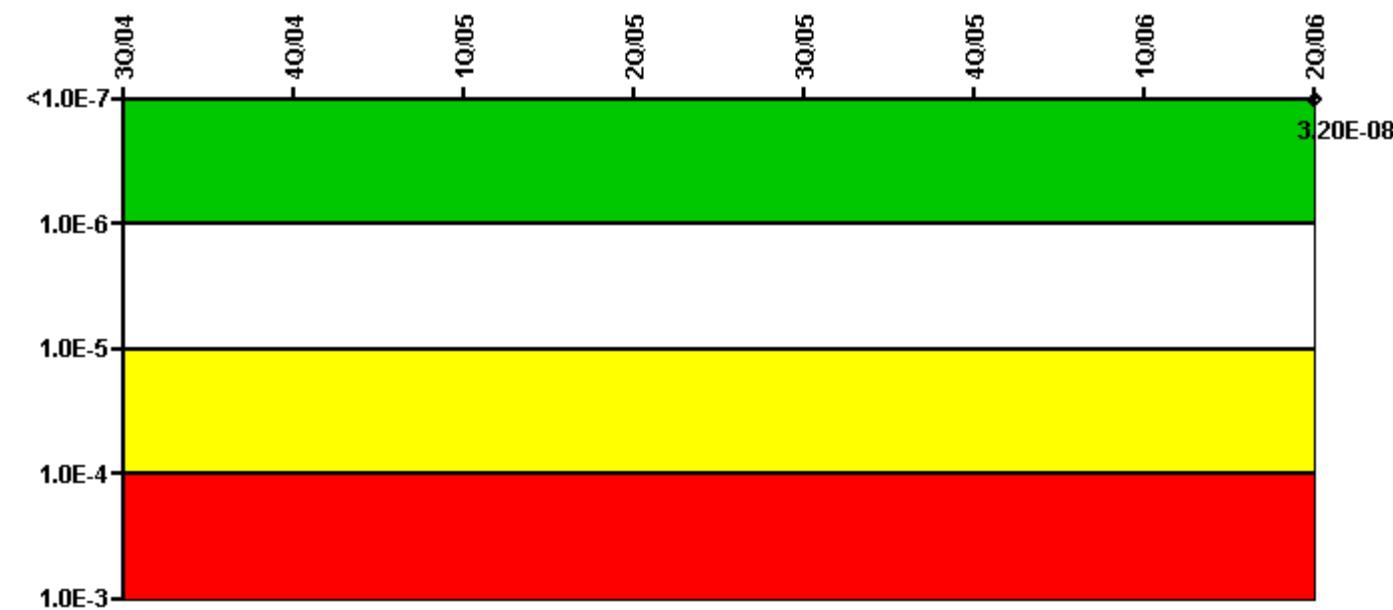
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)								-1.80E-09
URI (Δ CDF)								2.40E-08
PLE								NO
Indicator value								2.22E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (Δ CDF)								1.70E-08
URI (Δ CDF)								1.50E-08
PLE								NO
Indicator value								3.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



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

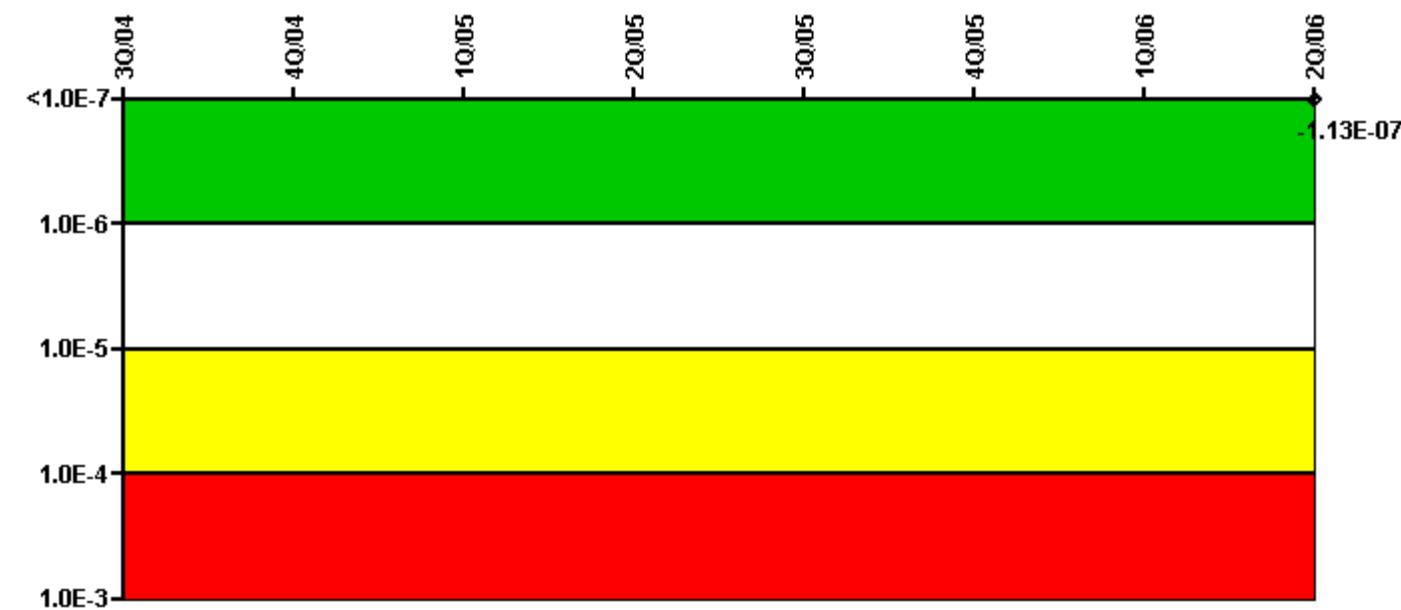
Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (Δ CDF)								7.50E-08
URI (Δ CDF)								-7.90E-08
PLE								NO
Indicator value								-4.00E-09

Licensee Comments:

2Q/06: Revision 1 to the ANO-1 MSPI Basis document was issued after April 1, 2006. In this revision, Emergency Feed Water System valves CV-2800 and CV-2802 were removed from the monitored components table 1.3.H.2. The basic PRA events numbers in Table 1.3.H.2 indicates that CV-2800 and CV-2802 are passive components, and as such, should not have been included in the monitored components table.

Mitigating Systems Performance Index, Residual Heat Removal System



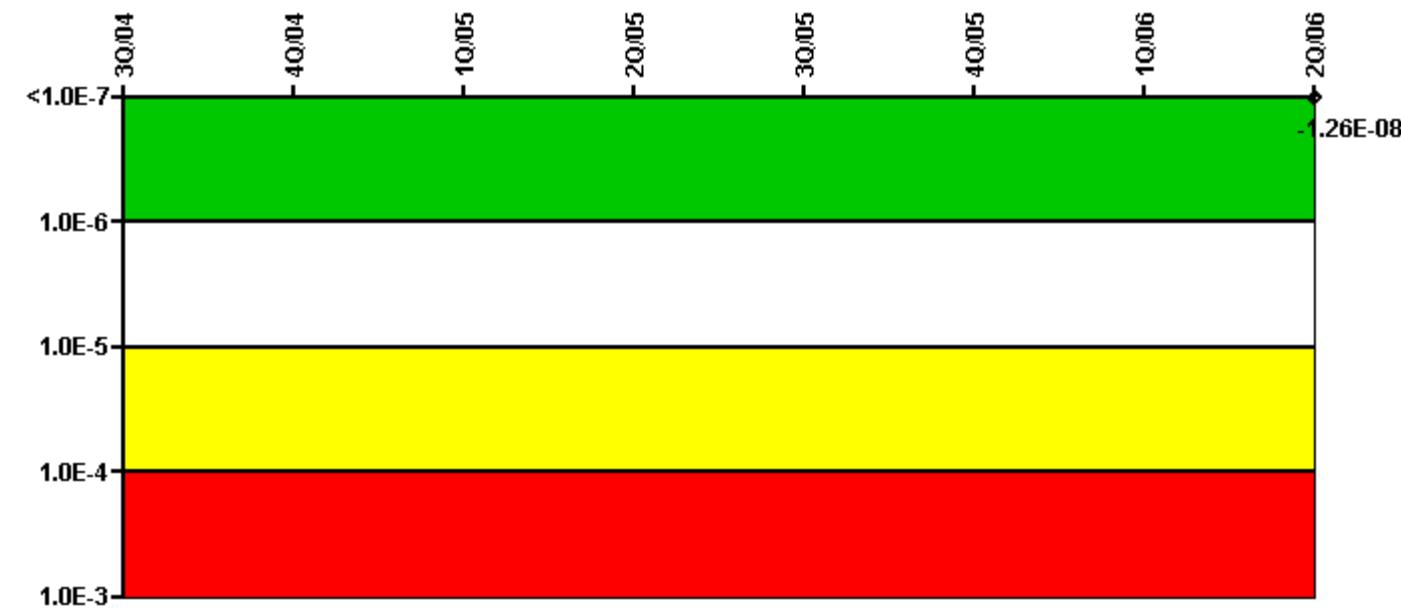
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)								-1.30E-08
URI (Δ CDF)								-1.00E-07
PLE								NO
Indicator value								-1.13E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



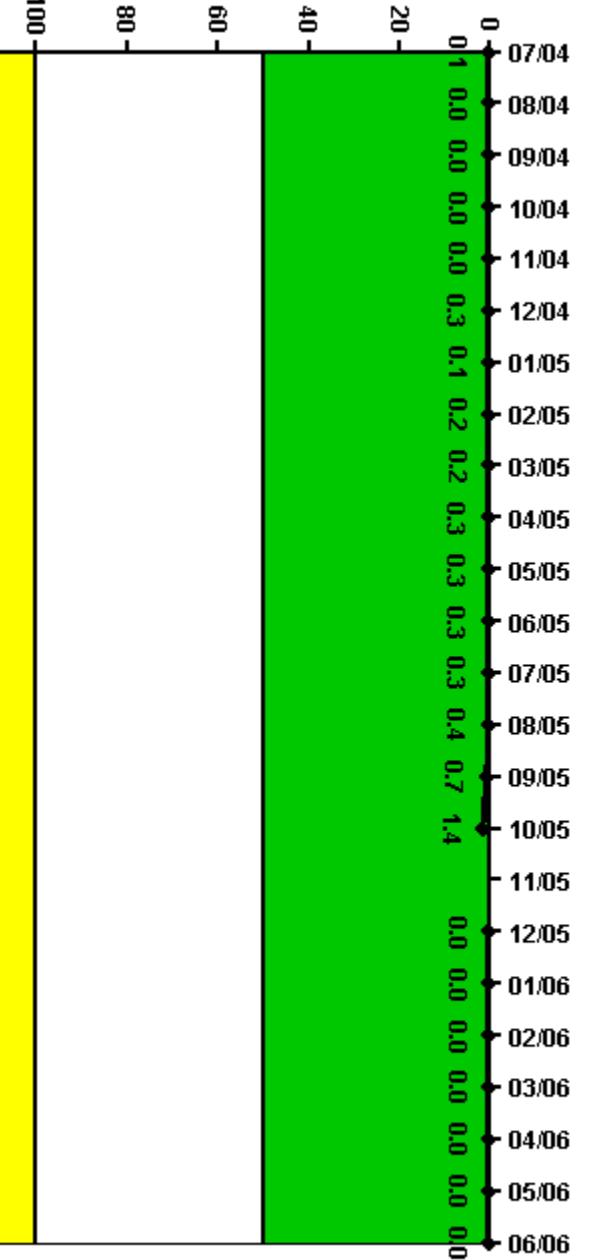
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)								-6.30E-10
URI (Δ CDF)								-1.20E-08
PLE								NO
Indicator value								-1.26E-08

Licensee Comments:

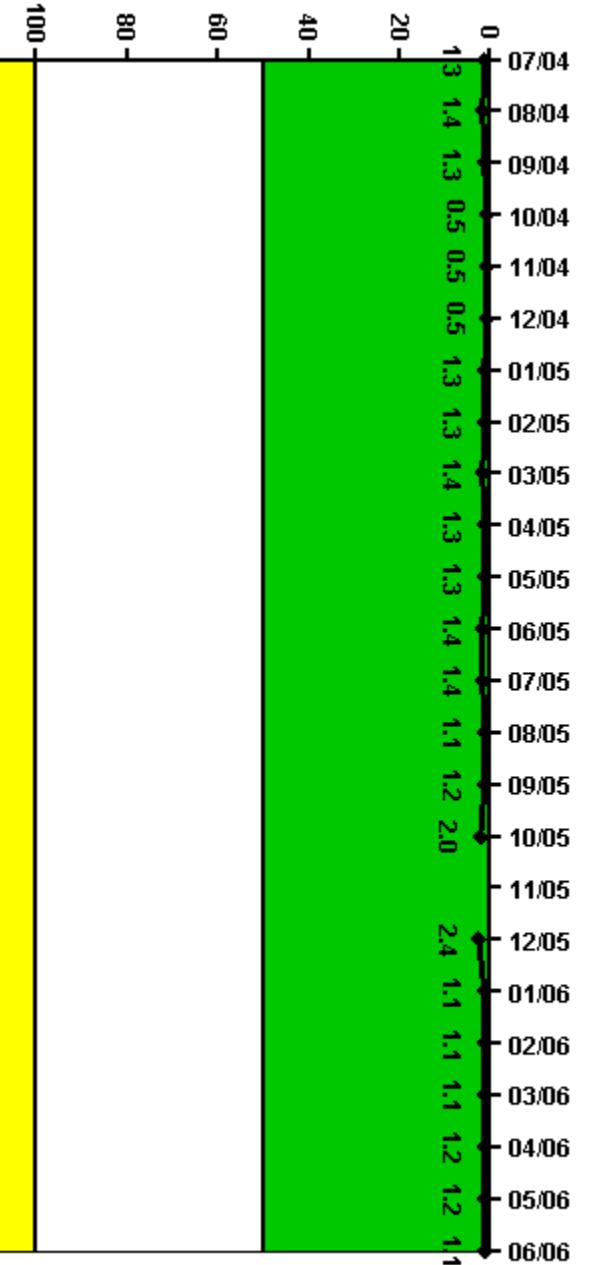
2Q/06: Revision 1 to the ANO-1 MSPI Basis document was issued after April 1, 2006. Scoping for the ANO-1 Service Water System was changed from a 2 train system to a segmented system, and baseline data for the segmented approach was corrected in the Revision 1 Basis Document.

Reactor Coolant System Activity**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	0.001960	0.001390	0.001230	0.001230	0.001310	0.009090	0.003270	0.007350	0.006930	0.010200	0.009840	0.009150
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0	0	0	0	0.3	0.1	0.2	0.2	0.3	0.3	0.3
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	0.009550	0.012400	0.024500	0.049600	N/A	0.001050	0.001430	0.001480	0.001470	0.001610	0.001660	0.001710
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.3	0.4	0.7	1.4	N/A	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

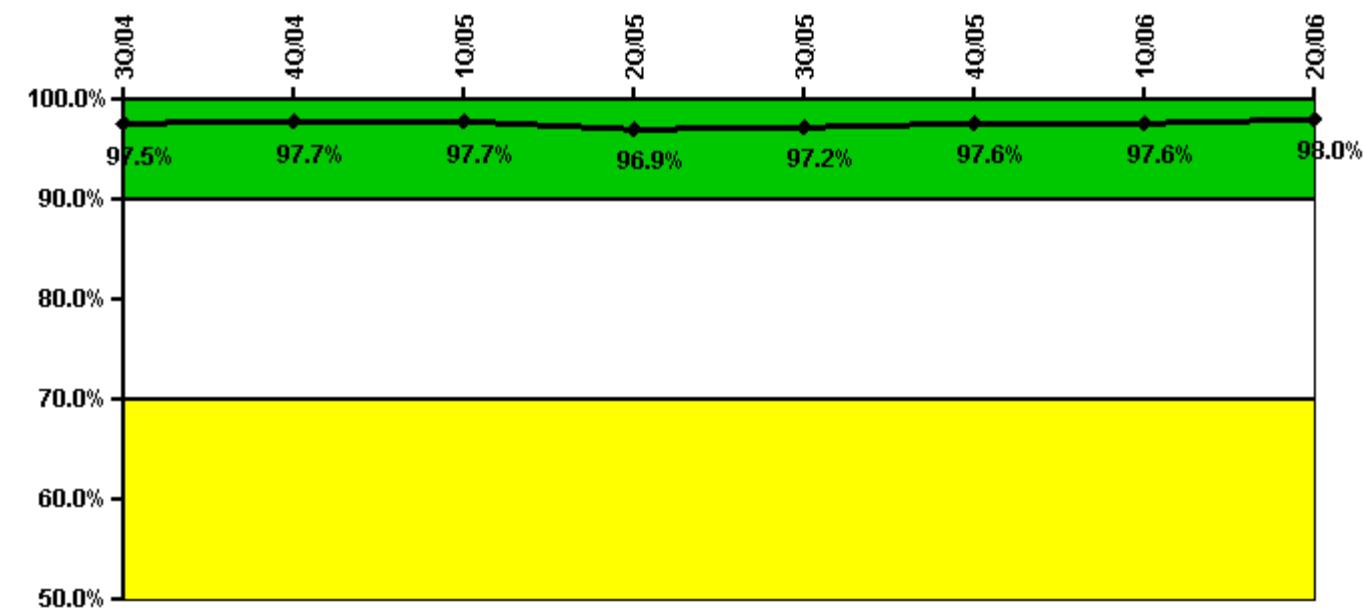
Notes

Reactor Coolant System Leakage											
	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05
Maximum leakage	0.131	0.142	0.132	0.054	0.052	0.048	0.133	0.133	0.136	0.131	0.131
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
Indicator value	1.3	1.4	1.3	0.5	0.5	1.3	1.3	1.4	1.3	1.3	1.4
Reactor Coolant System Leakage											
	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06
Maximum leakage	0.140	0.112	0.119	0.195	N/A	0.237	0.106	0.107	0.112	0.117	0.119
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
Indicator value	1.4	1.1	1.2	2.0	N/A	2.4	1.1	1.1	1.1	1.2	1.1

Licensee Comments:

6/06: Total Leakage is being reported in lieu of Identified Leakage.

Drill/Exercise Performance

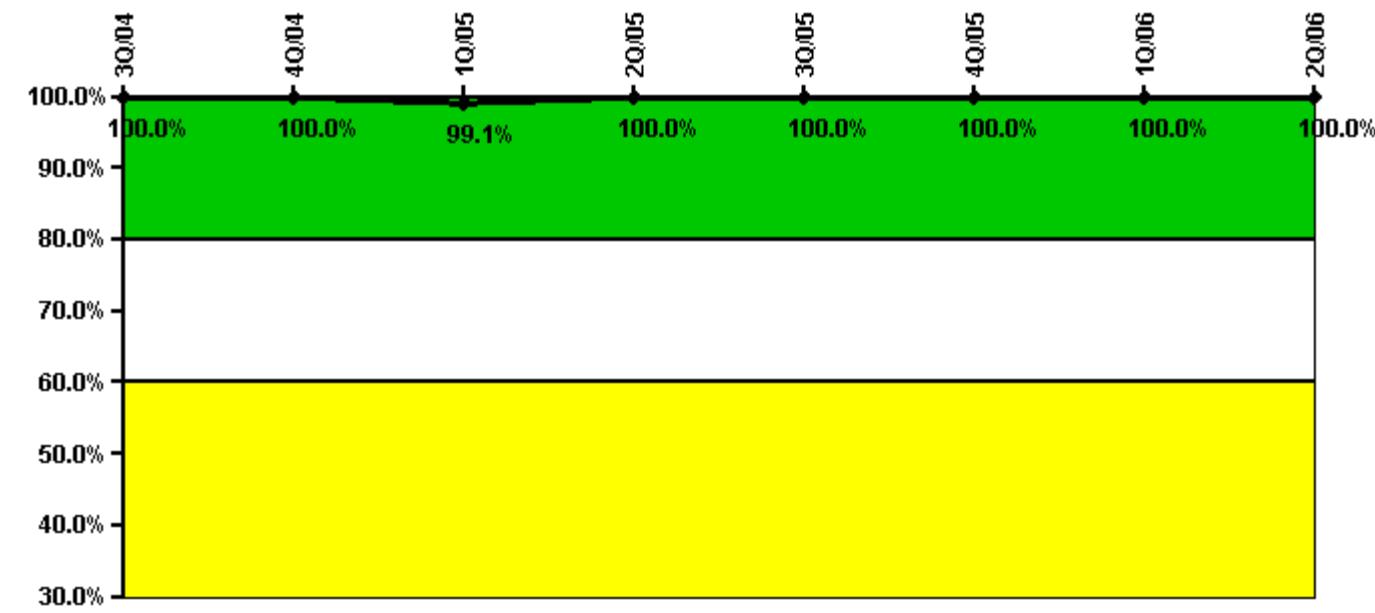


Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful opportunities	37.0	30.0	0	40.0	29.0	2.0	11.0	52.0
Total opportunities	37.0	30.0	0	42.0	30.0	2.0	11.0	53.0
Indicator value	97.5%	97.7%	97.7%	96.9%	97.2%	97.6%	97.6%	98.0%

Licensee Comments: none

ERO Drill Participation

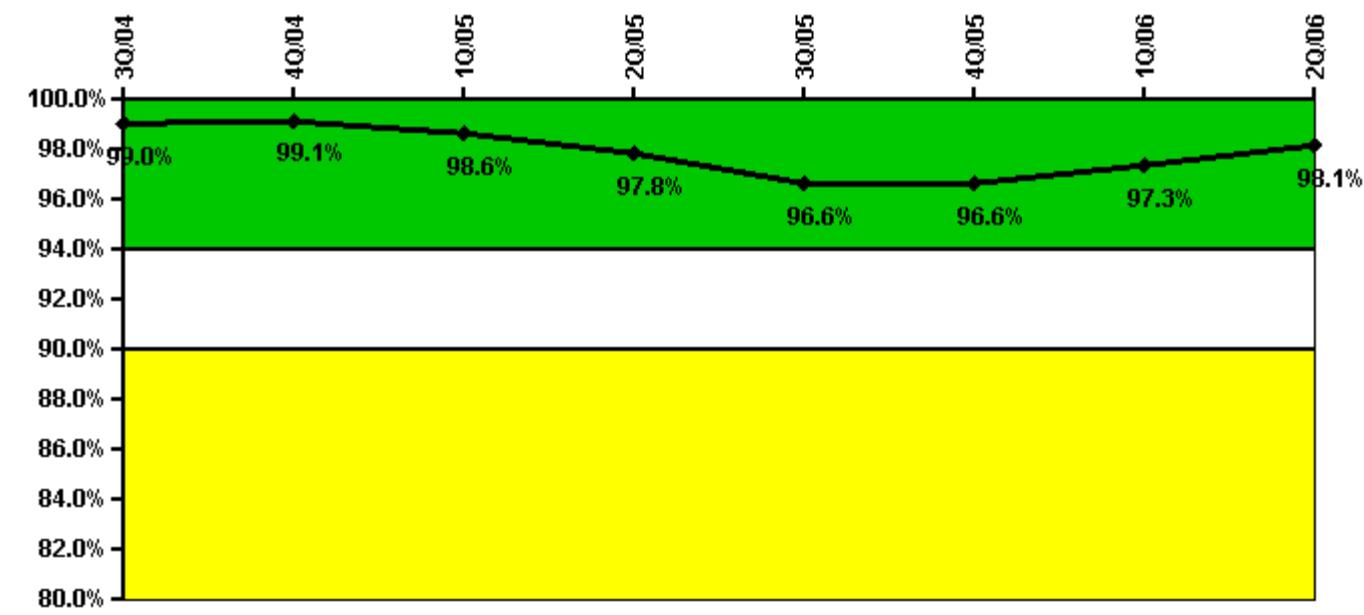
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Participating Key personnel	109.0	114.0	112.0	118.0	121.0	118.0	113.0	117.0
Total Key personnel	109.0	114.0	113.0	118.0	121.0	118.0	113.0	117.0
Indicator value	100.0%	100.0%	99.1%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System

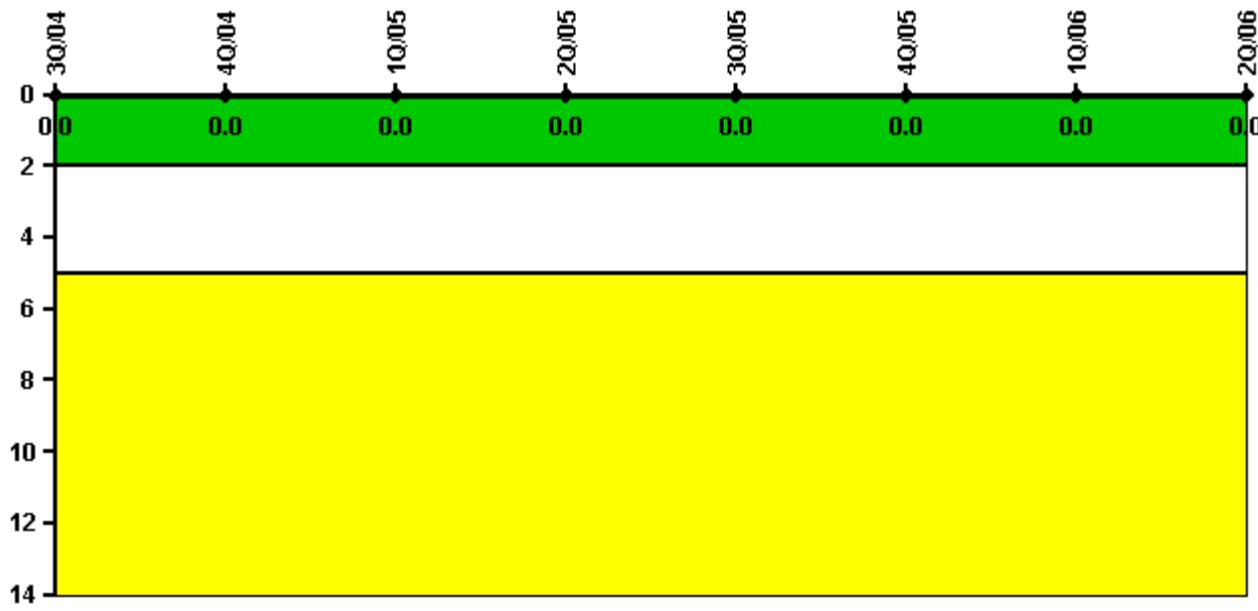


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful siren-tests	143	147	143	142	136	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.0%	99.1%	98.6%	97.8%	96.6%	96.6%	97.3%	98.1%

Licensee Comments: none

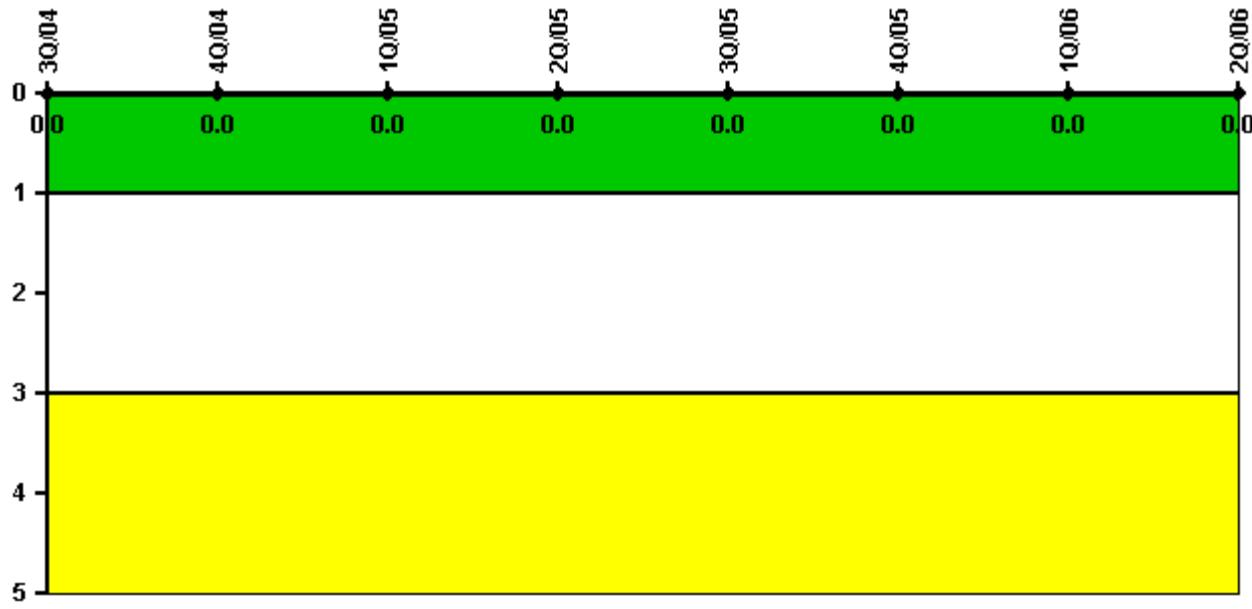
Occupational Exposure Control Effectiveness

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](#)

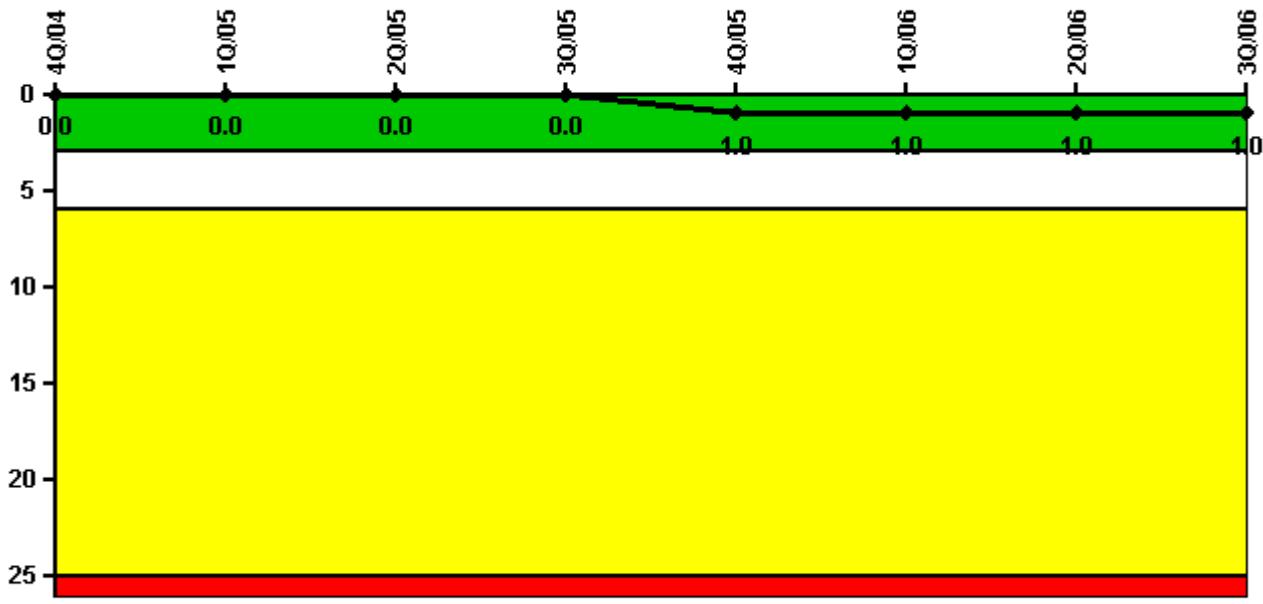
Last Modified: August 2, 2006

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3Q/2006 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

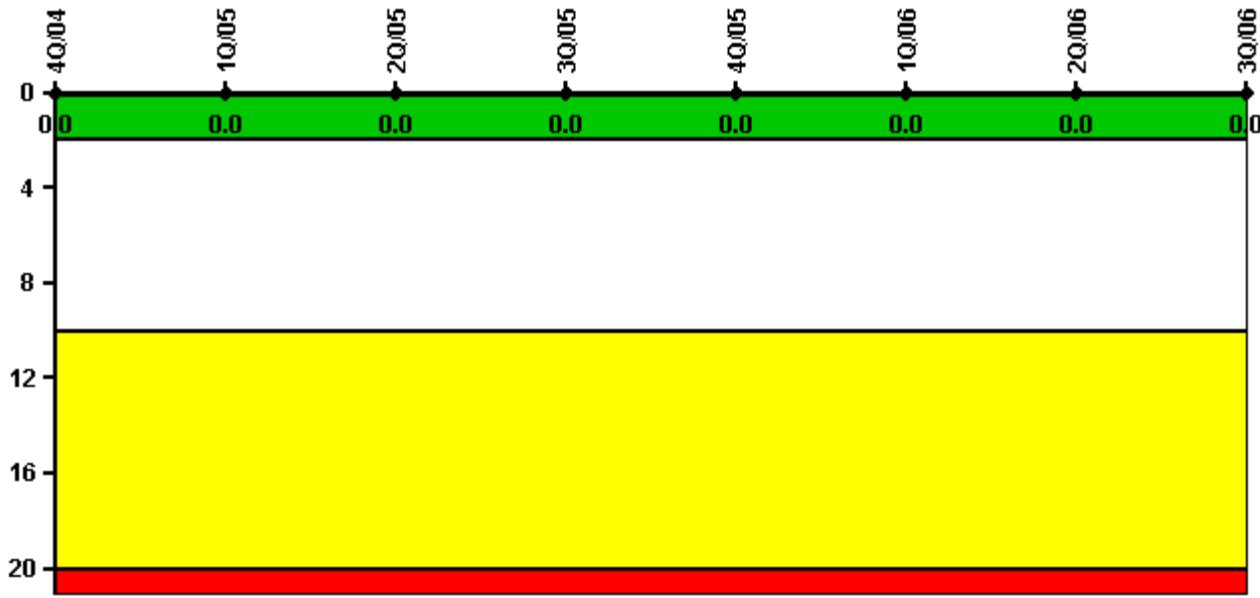


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	1.0	0	0	0
Critical hours	2209.0	2160.0	2183.0	2208.0	259.4	2160.0	2183.0	2208.0
Indicator value	0	0	0	0	1.0	1.0	1.0	1.0

Licensee Comments: none

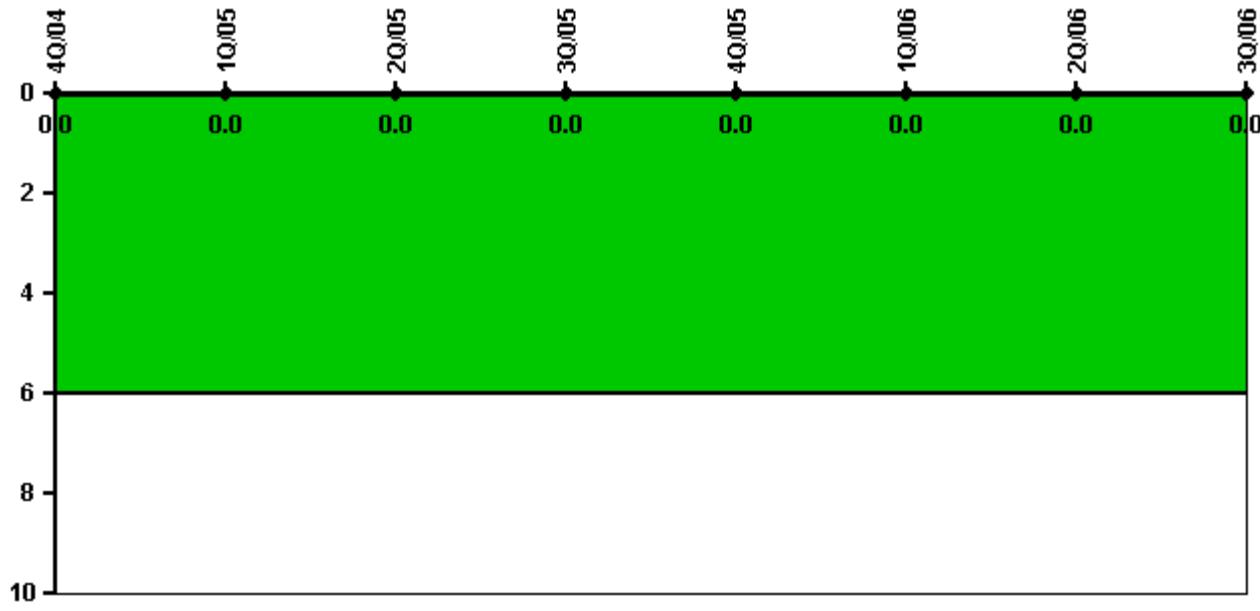
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

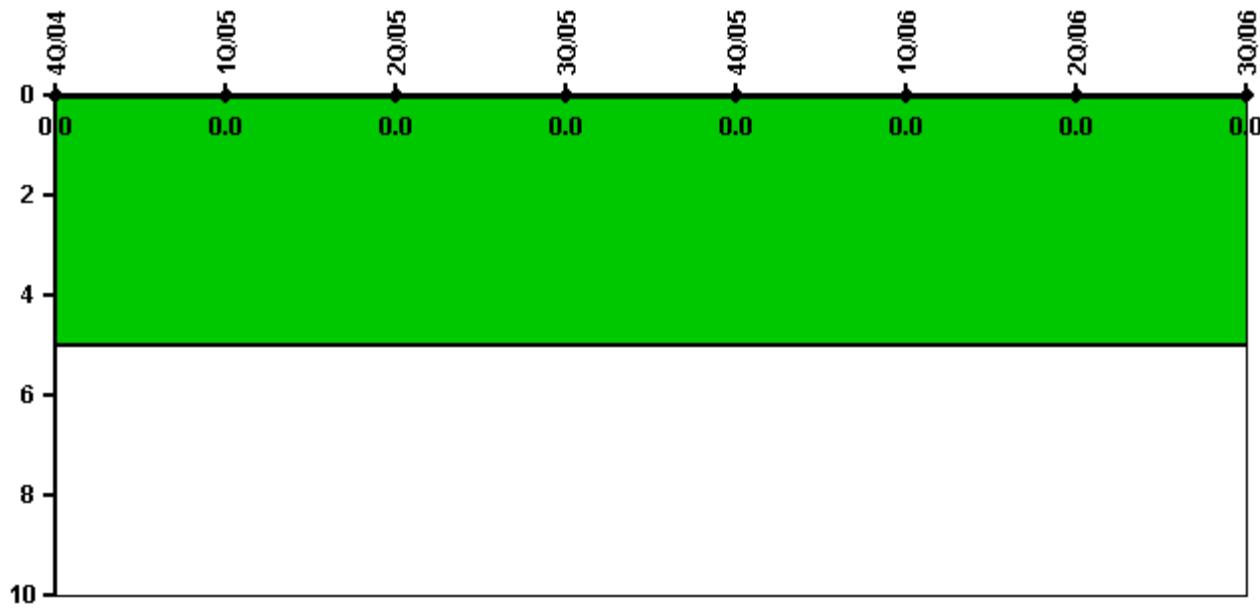
Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2160.0	2183.0	2208.0	259.4	2160.0	2183.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Safety System Functional Failures (PWR)

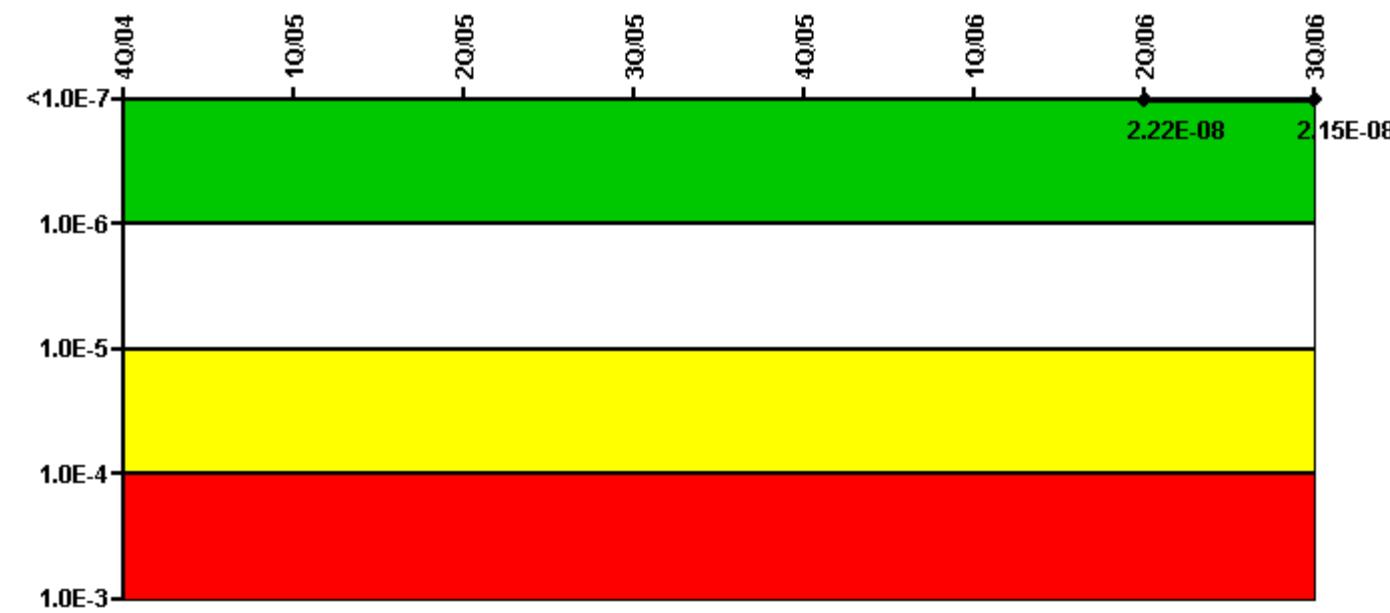
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/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	0							

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



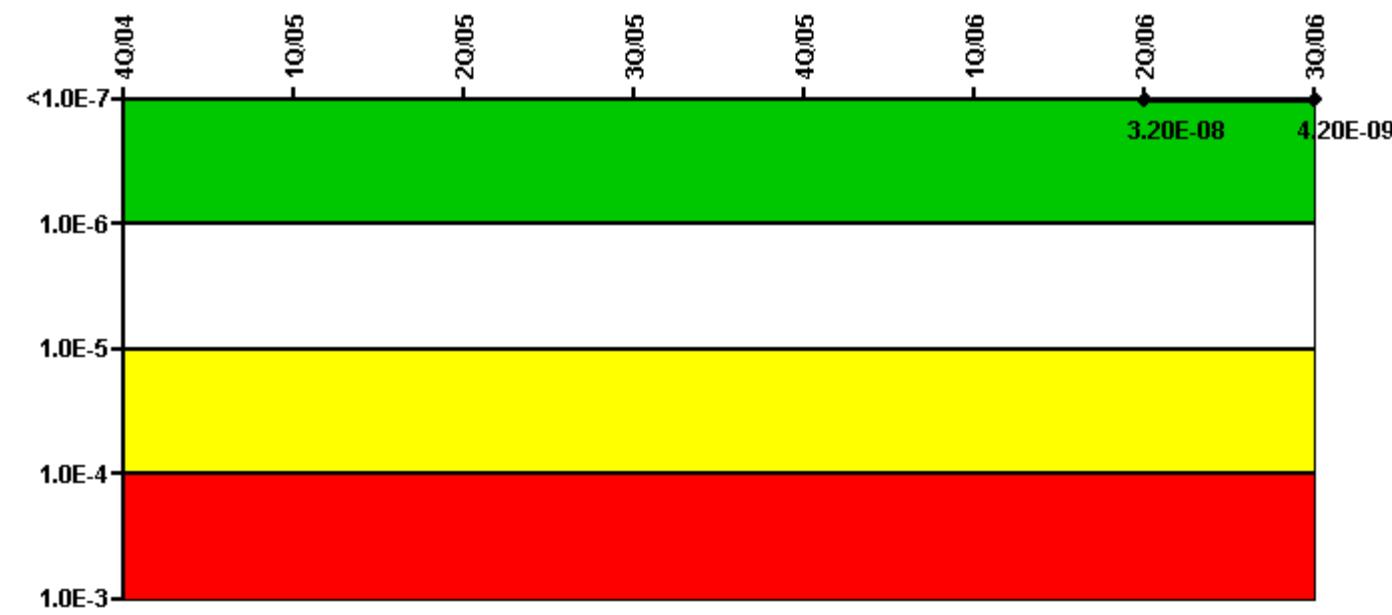
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							-1.80E-09	-2.50E-09
URI (ΔCDF)							2.40E-08	2.40E-08
PLE							NO	NO
Indicator value							2.22E-08	2.15E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



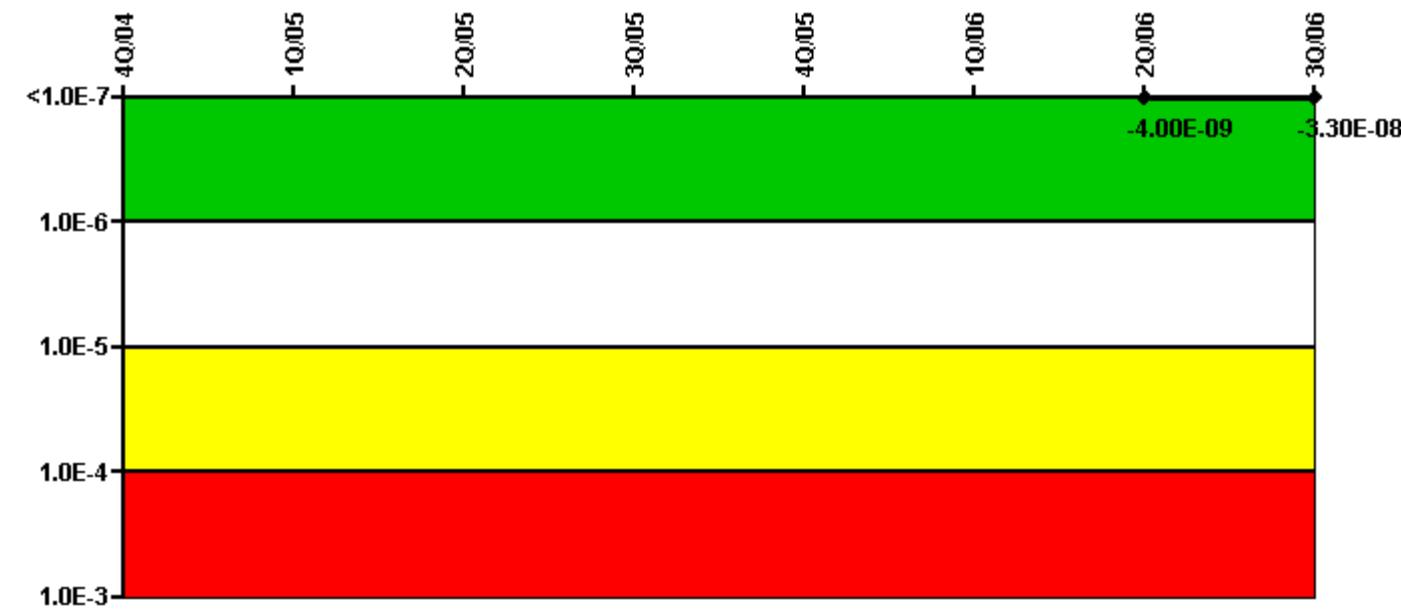
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							1.70E-08	-7.80E-09
URI (ΔCDF)							1.50E-08	1.20E-08
PLE							NO	NO
Indicator value							3.20E-08	4.20E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



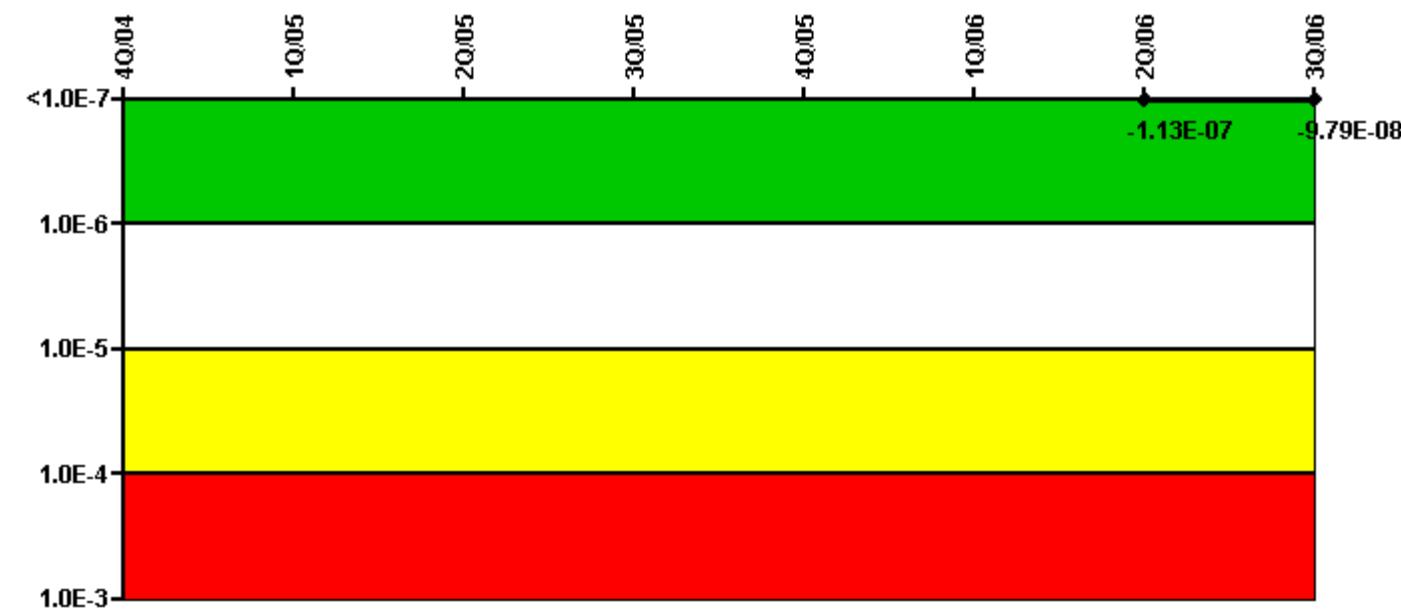
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							7.50E-08	4.20E-08
URI (ΔCDF)							-7.90E-08	-7.50E-08
PLE							NO	NO
Indicator value							-4.00E-09	-3.30E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



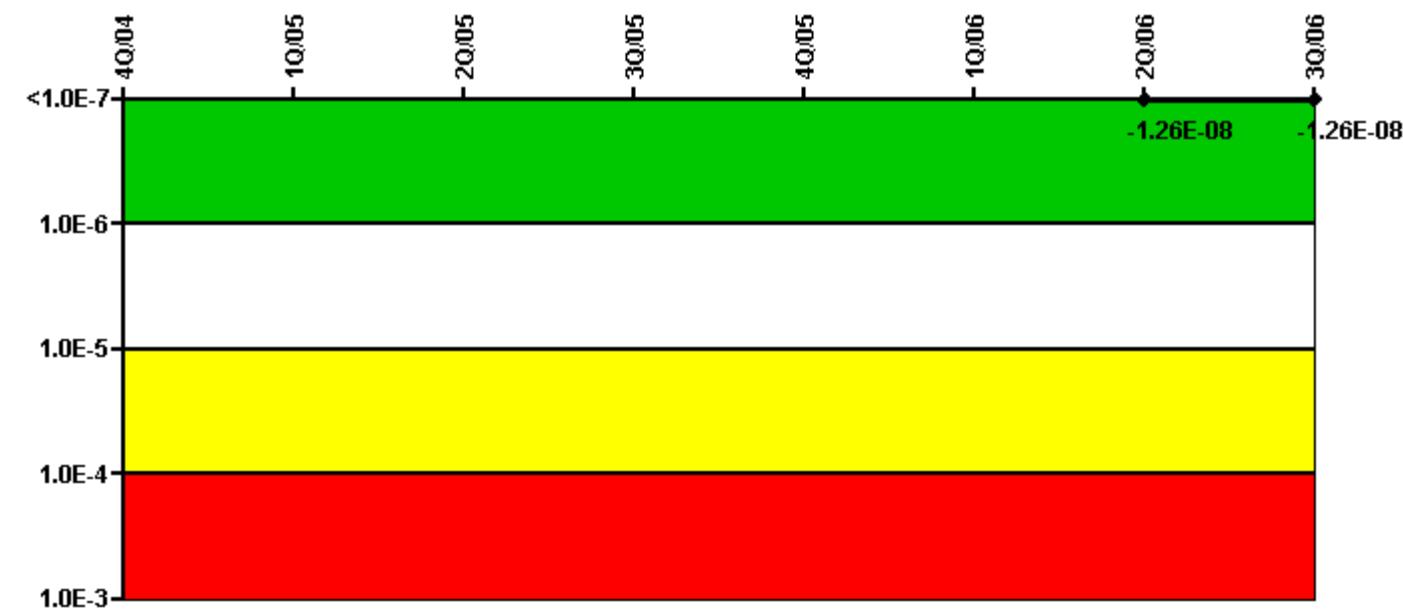
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (Δ CDF)							-1.30E-08	2.10E-09
URI (Δ CDF)							-1.00E-07	-1.00E-07
PLE							NO	NO
Indicator value							-1.13E-07	-9.79E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



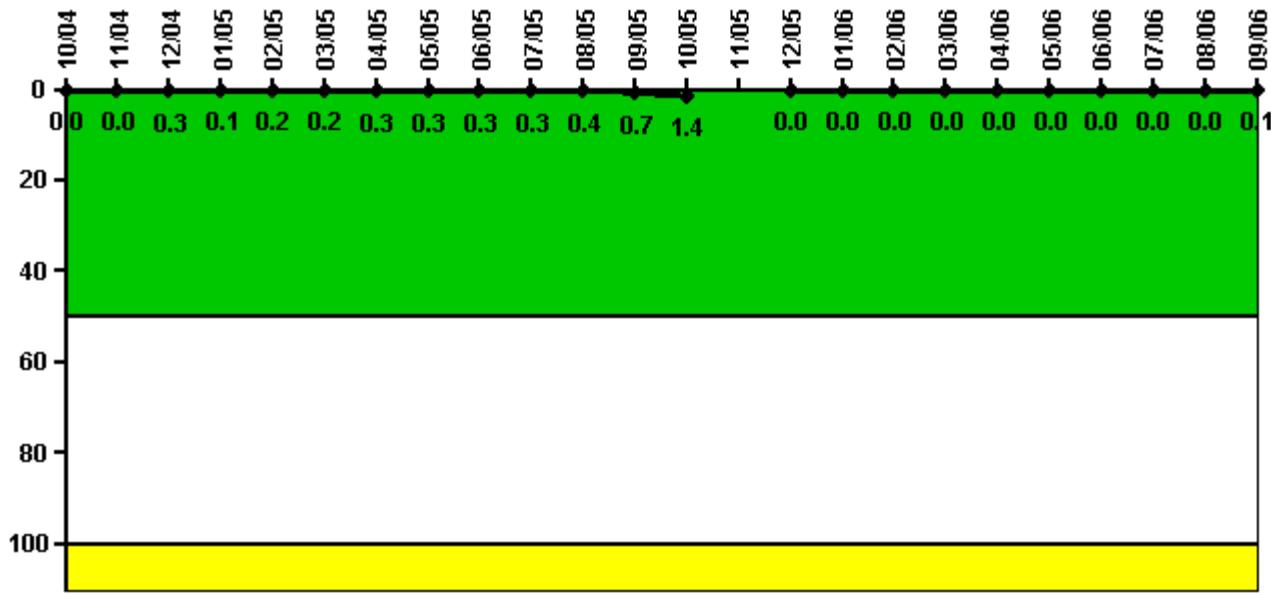
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
UAI (ΔCDF)							-6.30E-10	-6.40E-10
URI (ΔCDF)							-1.20E-08	-1.20E-08
PLE							NO	NO
Indicator value							-1.26E-08	-1.26E-08

Licensee Comments: none

Reactor Coolant System Activity



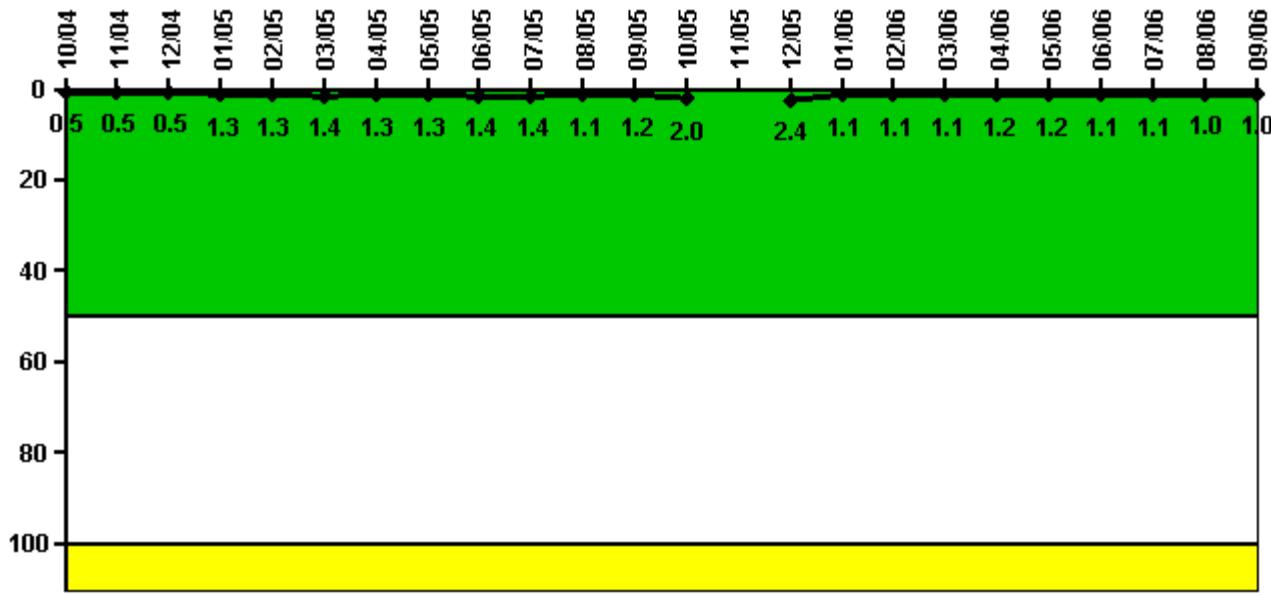
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05
Maximum activity	0.001230	0.001310	0.009090	0.003270	0.007350	0.006930	0.010200	0.009840	0.009150	0.009550	0.012400	0.024500
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0	0.3	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.7
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	0.049600	N/A	0.001050	0.001430	0.001480	0.001470	0.001610	0.001600	0.001710	0.001690	0.001720	0.001990
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	1.4	N/A	0	0	0	0	0	0	0	0	0	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

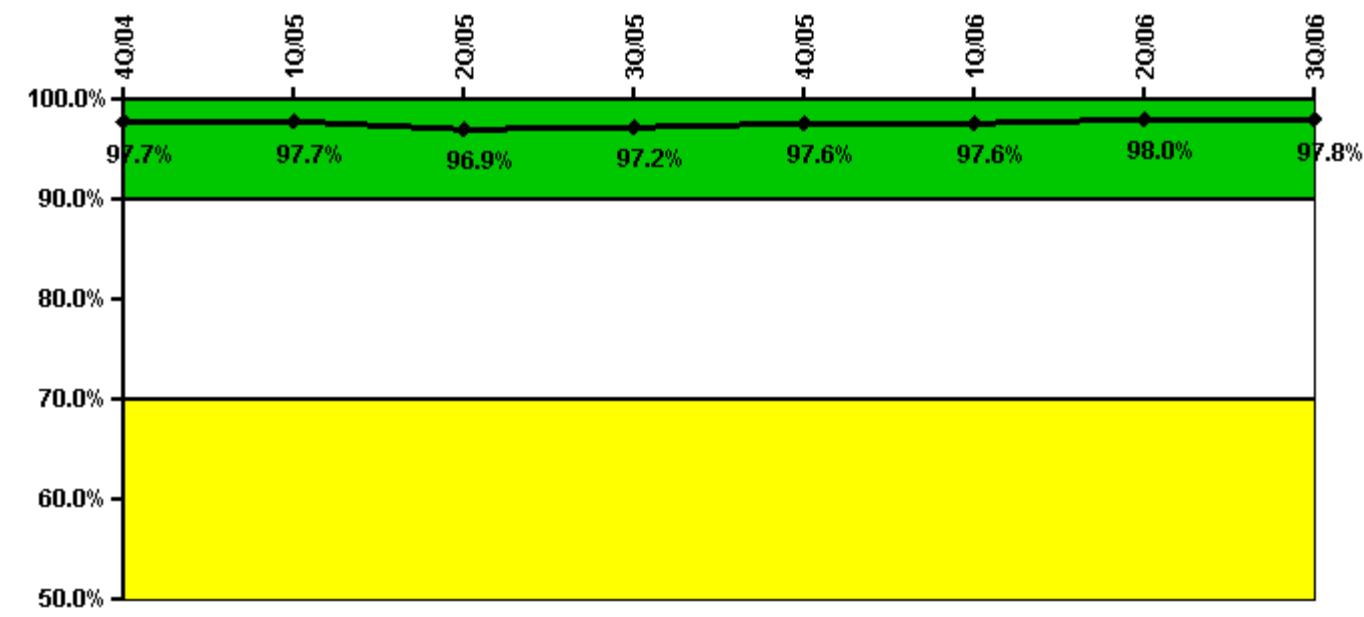
Notes

Reactor Coolant System Leakage	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	0.054	0.052	0.048	0.133	0.133	0.136	0.131	0.131	0.138	0.140	0.112	0.119
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	0.5	1.3	1.3	1.4	1.3	1.3	1.4	1.4	1.1	1.2
Reactor Coolant System Leakage	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum leakage	0.195	N/A	0.237	0.106	0.107	0.112	0.117	0.119	0.111	0.109	0.101	0.099
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	2.4	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.0	1.0

Licensee Comments:

9/06: Total Leakage is being reported in lieu of Identified Leakage.

Drill/Exercise Performance

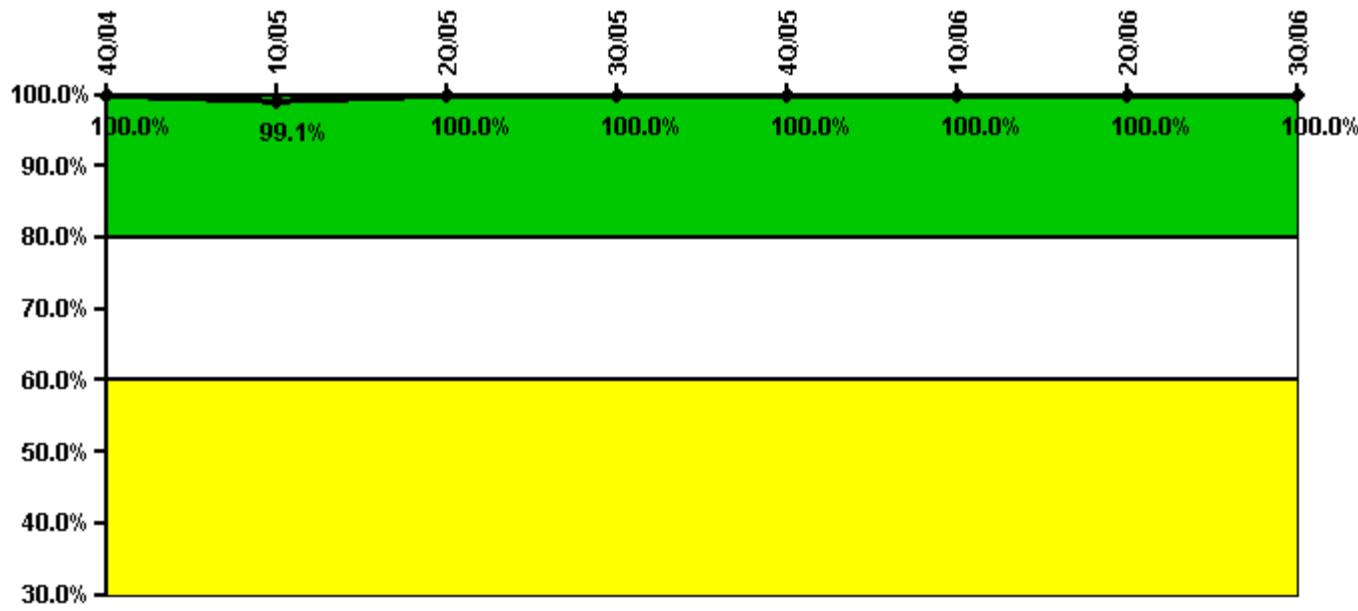


Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful opportunities	30.0	0	40.0	29.0	2.0	11.0	52.0	10.0
Total opportunities	30.0	0	42.0	30.0	2.0	11.0	53.0	10.0
Indicator value	97.7%	97.7%	96.9%	97.2%	97.6%	97.6%	98.0%	97.8%

Licensee Comments: none

ERO Drill Participation

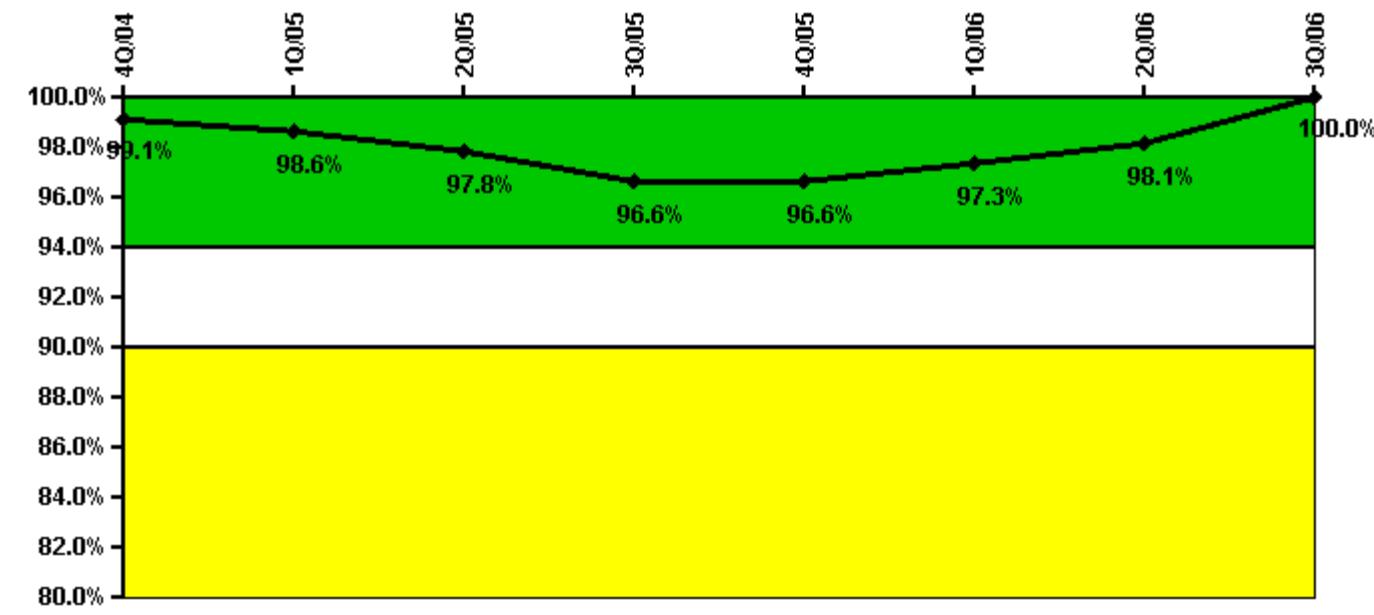
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Participating Key personnel	114.0	112.0	118.0	121.0	118.0	113.0	117.0	118.0
Total Key personnel	114.0	113.0	118.0	121.0	118.0	113.0	117.0	118.0
Indicator value	100.0%	99.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System

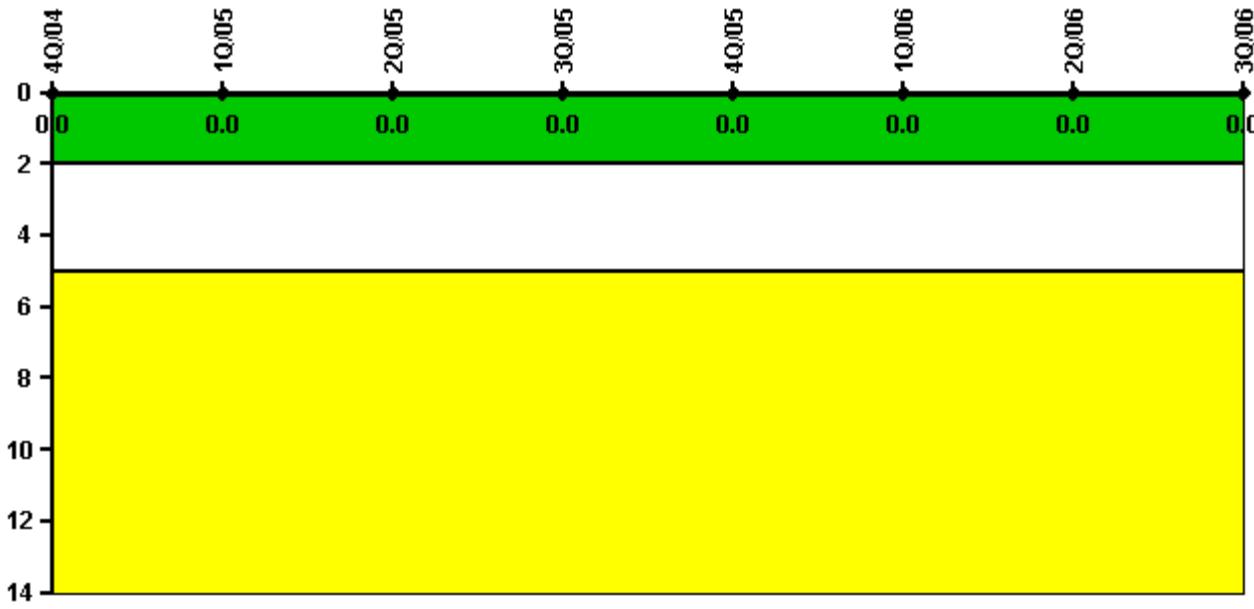


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful siren-tests	147	143	142	136	147	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.1%	98.6%	97.8%	96.6%	96.6%	97.3%	98.1%	100.0%

Licensee Comments: none

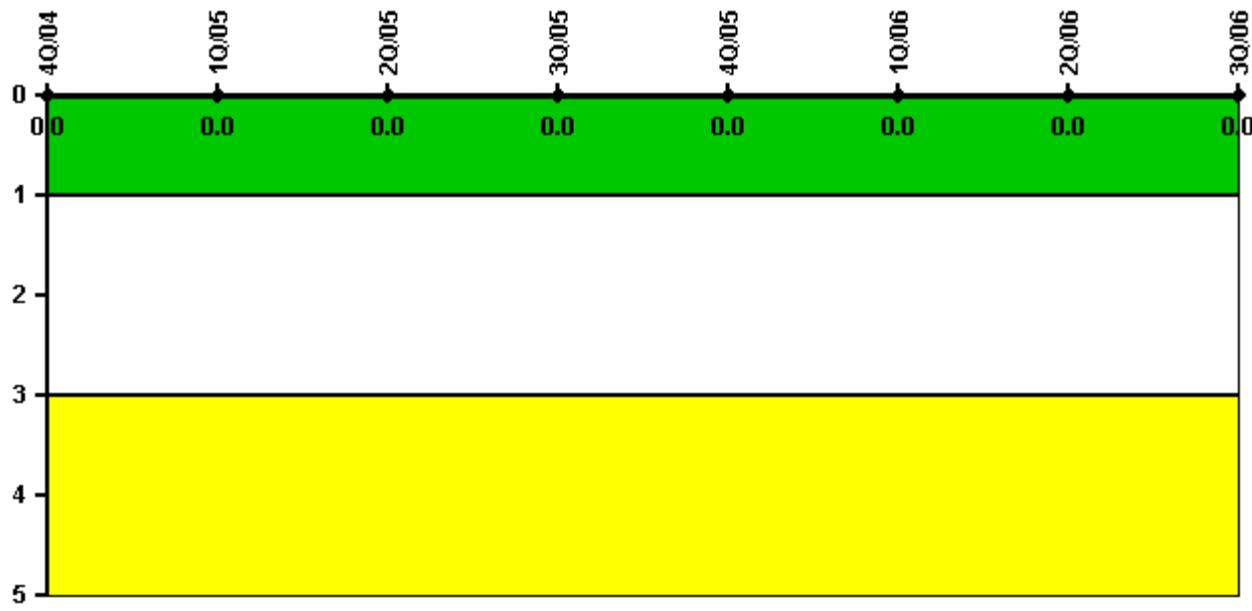
Occupational Exposure Control Effectiveness

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

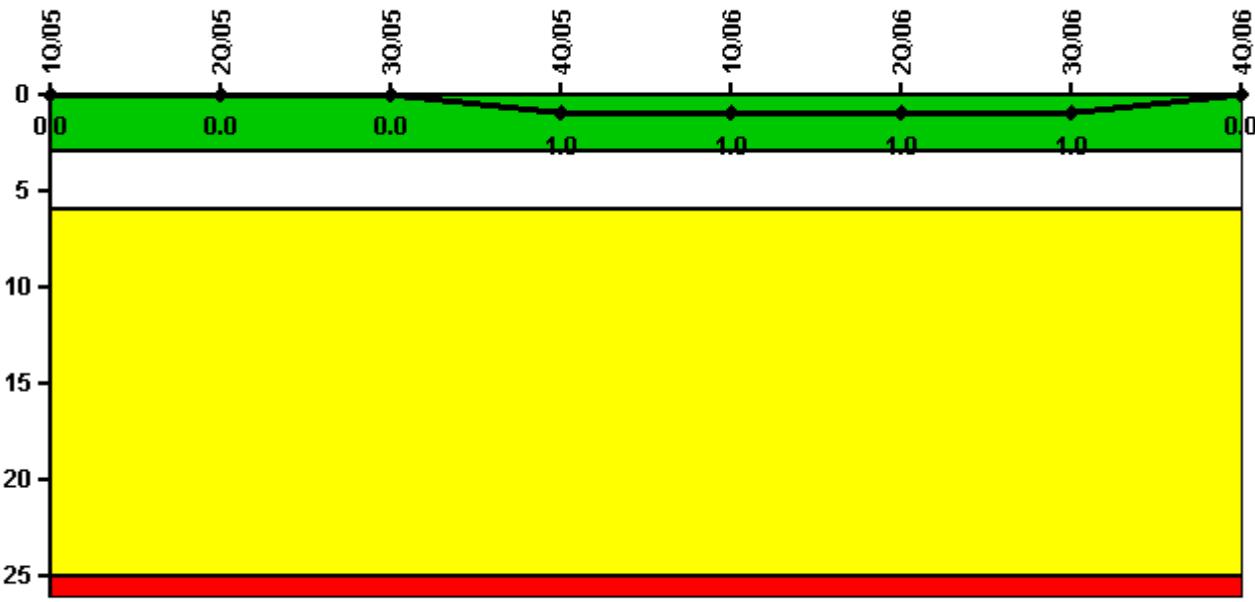
[Physical Protection](#) information not publicly available.

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4Q/2006 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

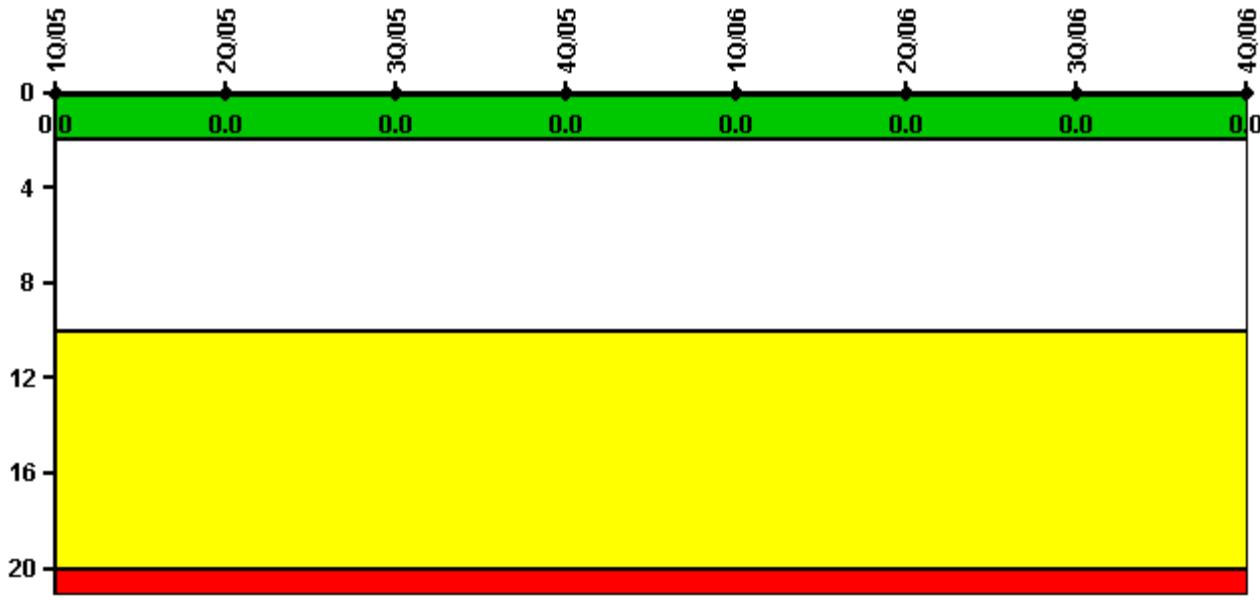


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	1.0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	259.4	2160.0	2183.0	2208.0	2209.0
Indicator value	0	0	0	1.0	1.0	1.0	1.0	0

Licensee Comments: none

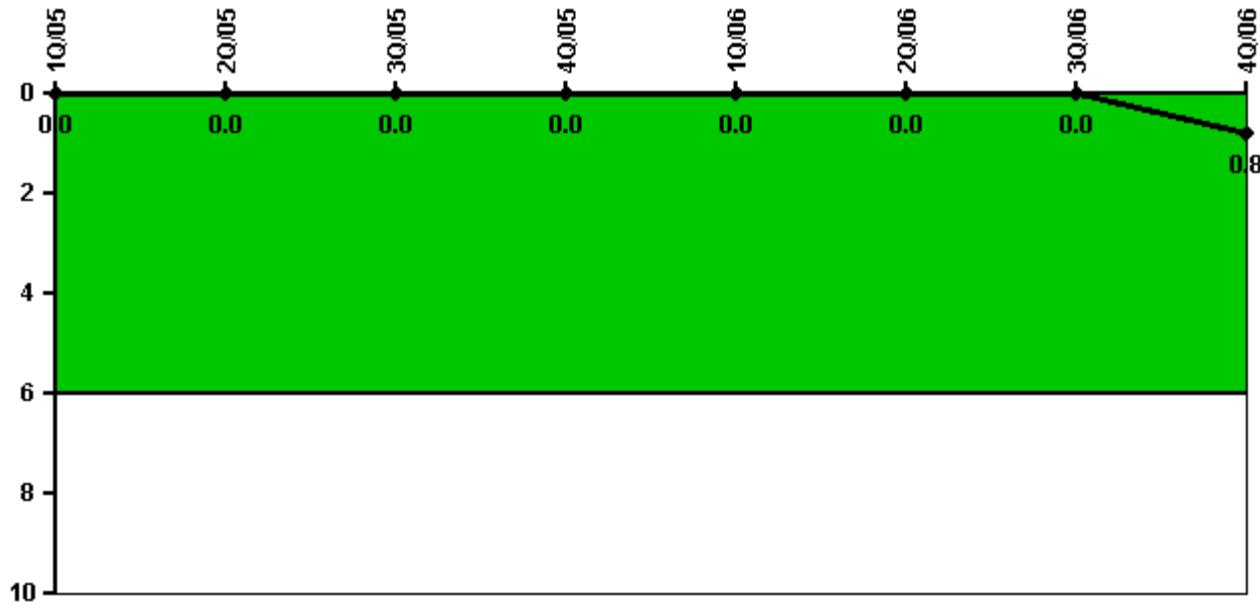
Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

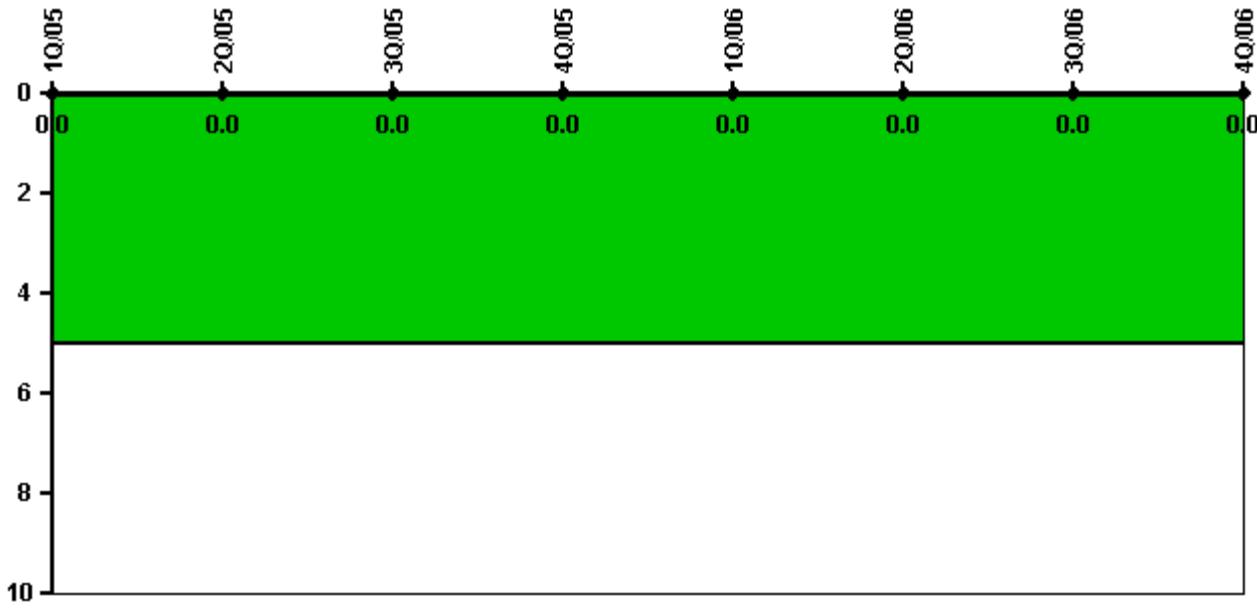
Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2160.0	2183.0	2208.0	259.4	2160.0	2183.0	2208.0	2209.0
Indicator value	0	0.8						

Licensee Comments: none

Safety System Functional Failures (PWR)

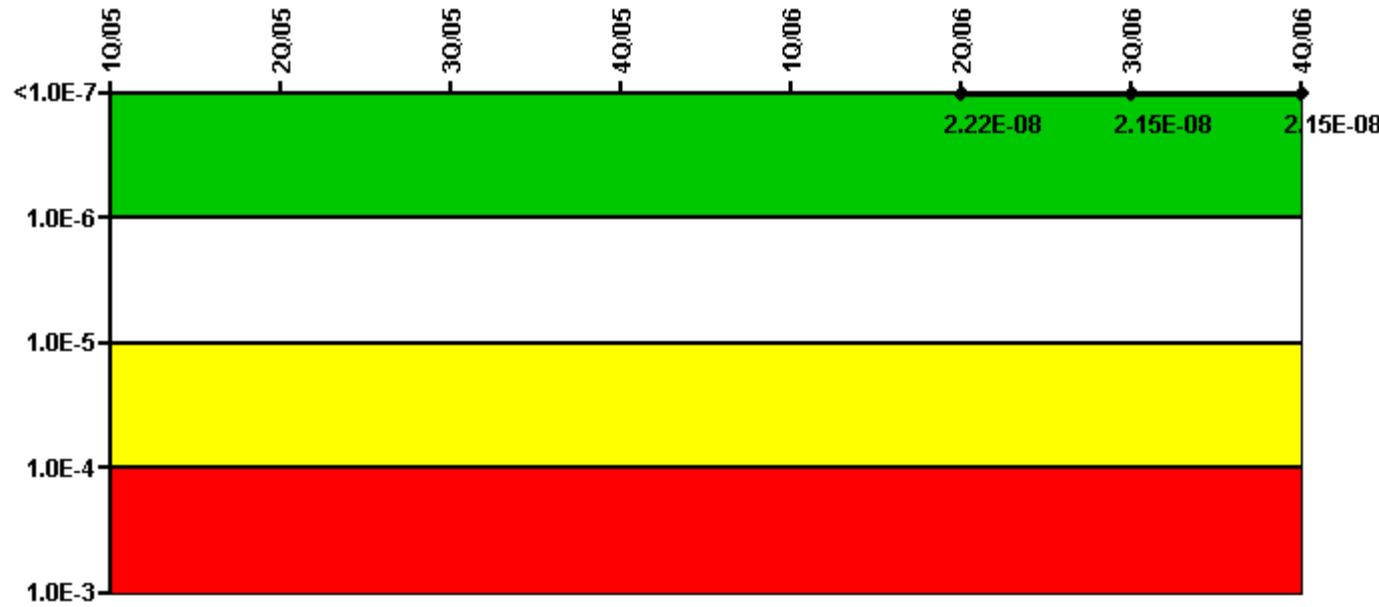
Thresholds: White > 5.0

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



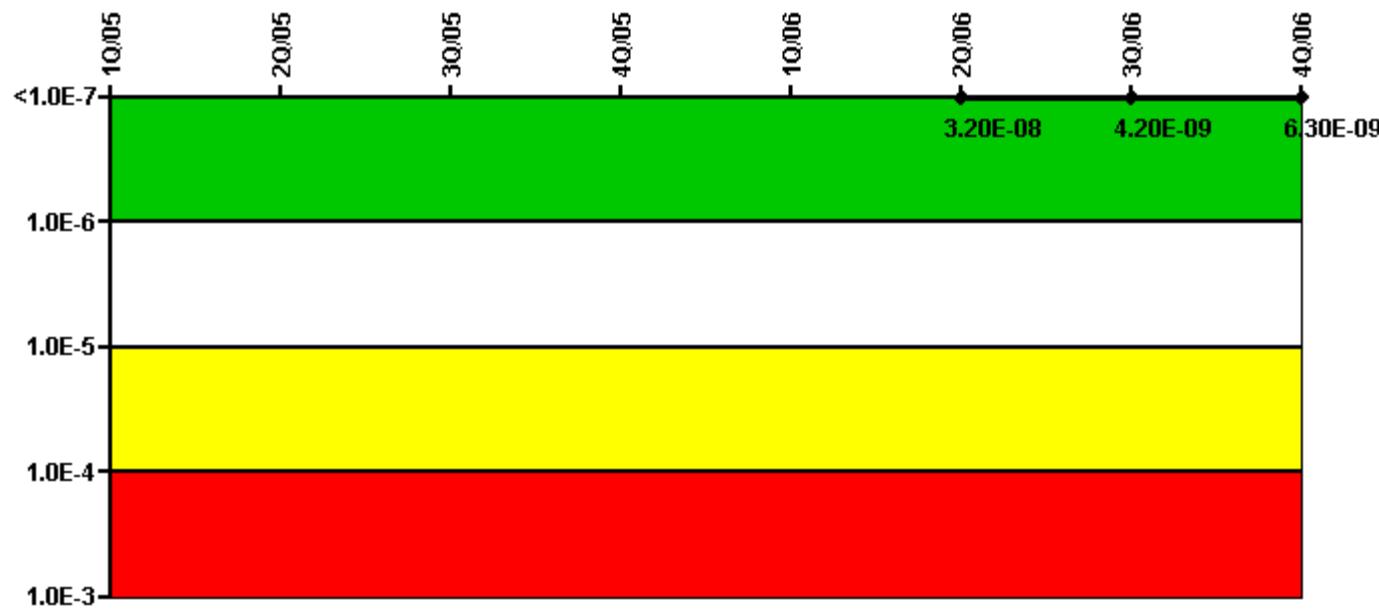
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)						-1.80E-09	-2.50E-09	-2.50E-09
URI (ΔCDF)						2.40E-08	2.40E-08	2.40E-08
PLE						NO	NO	NO
Indicator value						2.22E-08	2.15E-08	2.15E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



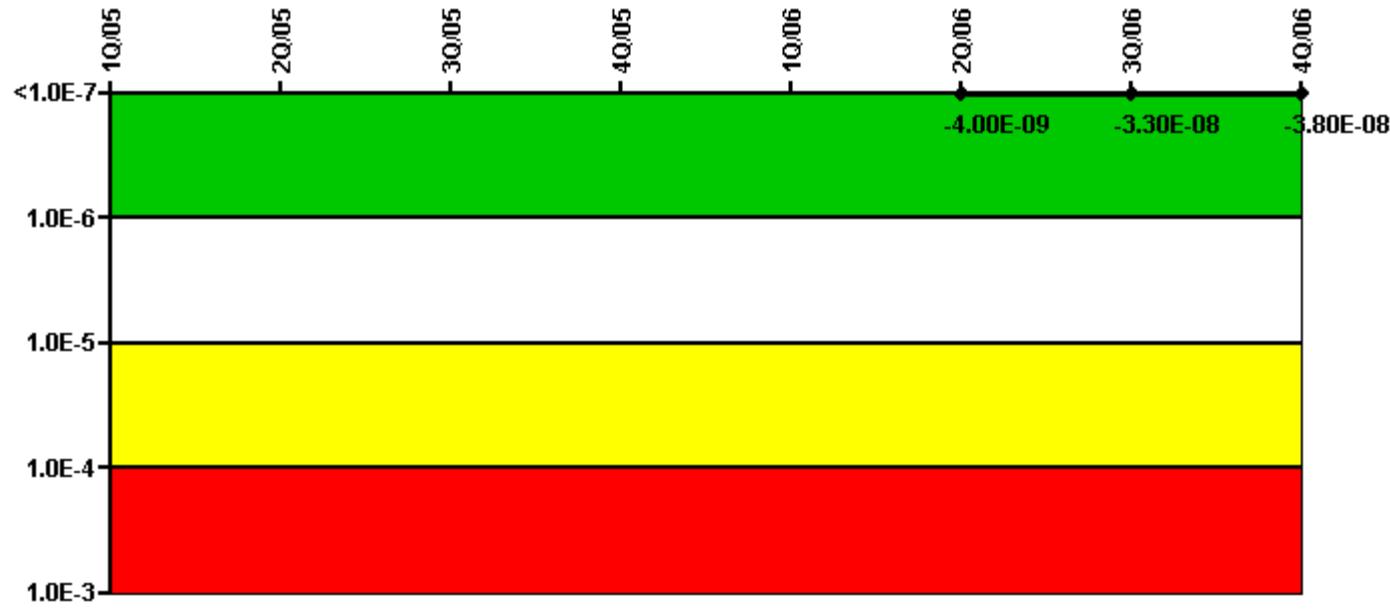
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						1.70E-08	-7.80E-09	-5.70E-09
URI (ΔCDF)						1.50E-08	1.20E-08	1.20E-08
PLE						NO	NO	NO
Indicator value						3.20E-08	4.20E-09	6.30E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



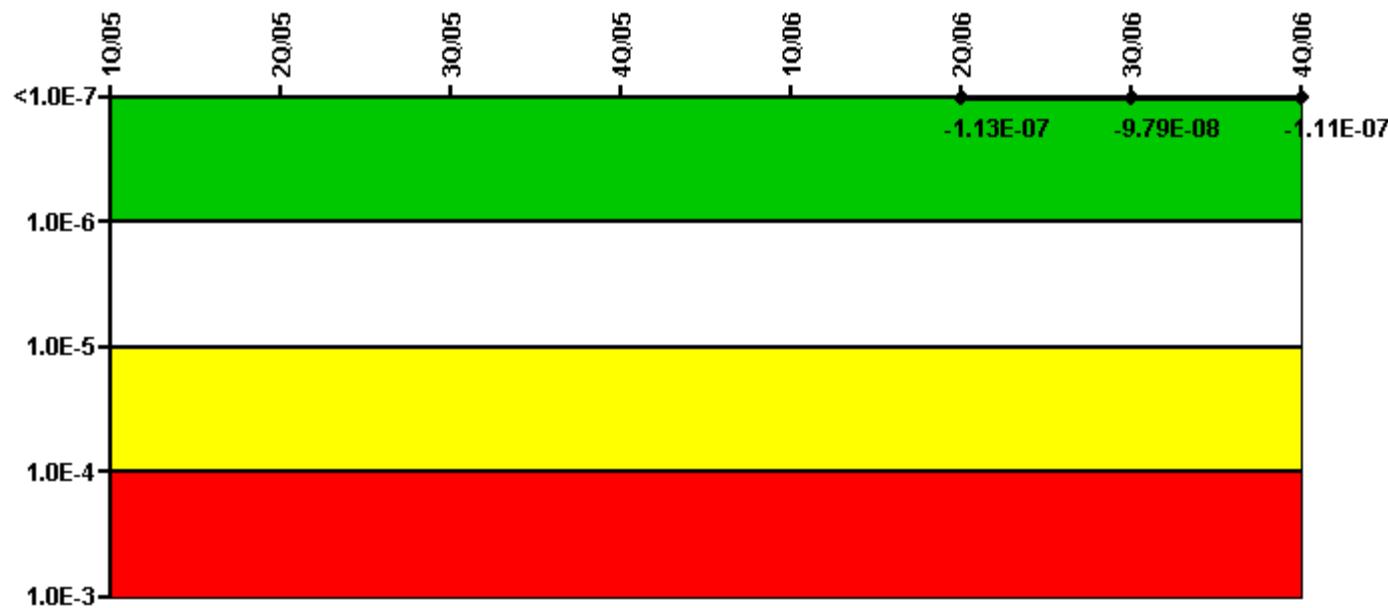
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						7.50E-08	4.20E-08	3.80E-08
URI (ΔCDF)						-7.90E-08	-7.50E-08	-7.60E-08
PLE						NO	NO	NO
Indicator value						-4.00E-09	-3.30E-08	-3.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



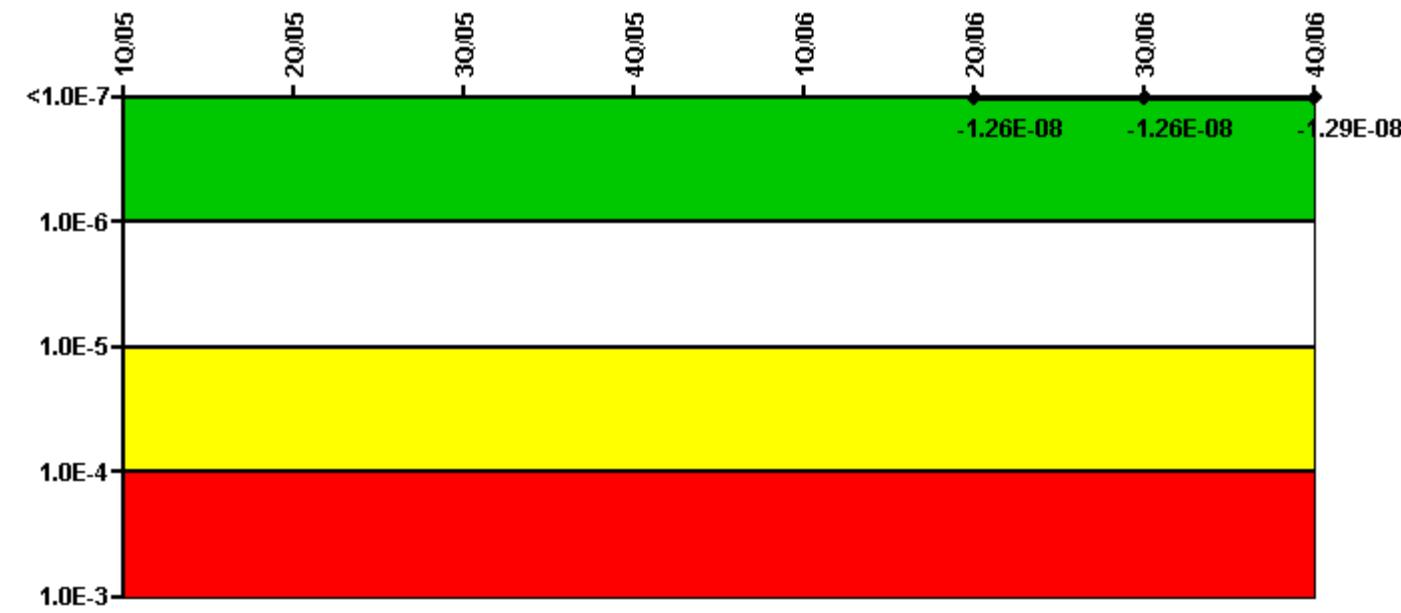
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (Δ CDF)						-1.30E-08	2.10E-09	-1.10E-08
URI (Δ CDF)						-1.00E-07	-1.00E-07	-1.00E-07
PLE						NO	NO	NO
Indicator value						-1.13E-07	-9.79E-08	-1.11E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



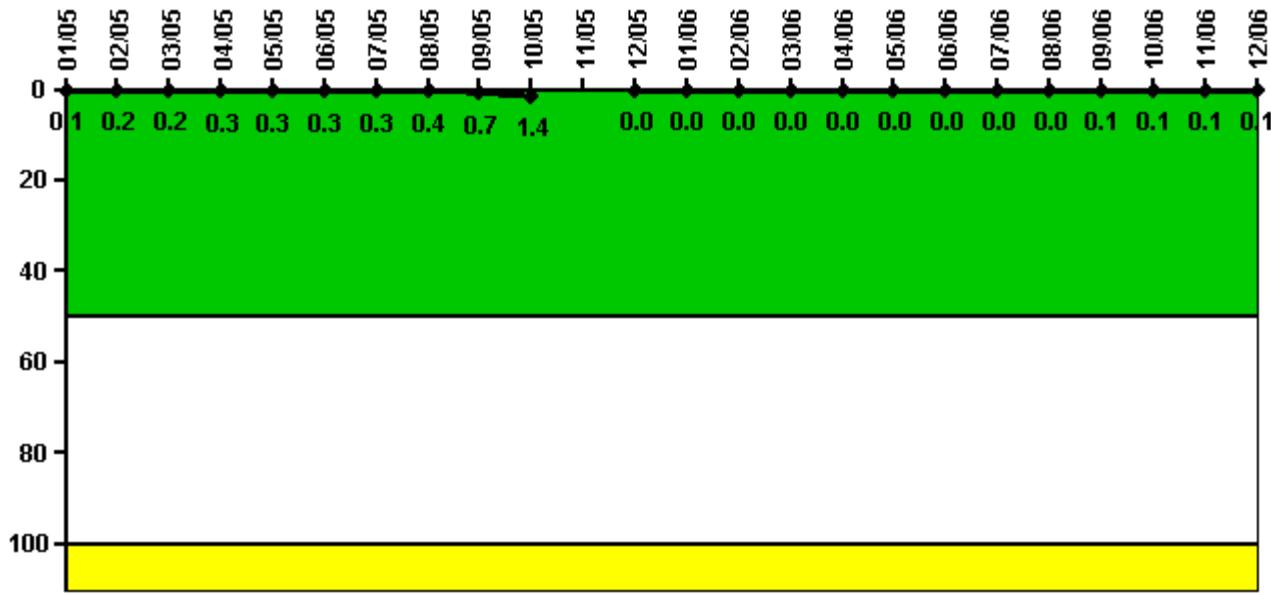
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-6.30E-10	-6.40E-10	-8.50E-10
URI (ΔCDF)						-1.20E-08	-1.20E-08	-1.20E-08
PLE						NO	NO	NO
Indicator value						-1.26E-08	-1.26E-08	-1.29E-08

Licensee Comments: none

Reactor Coolant System Activity



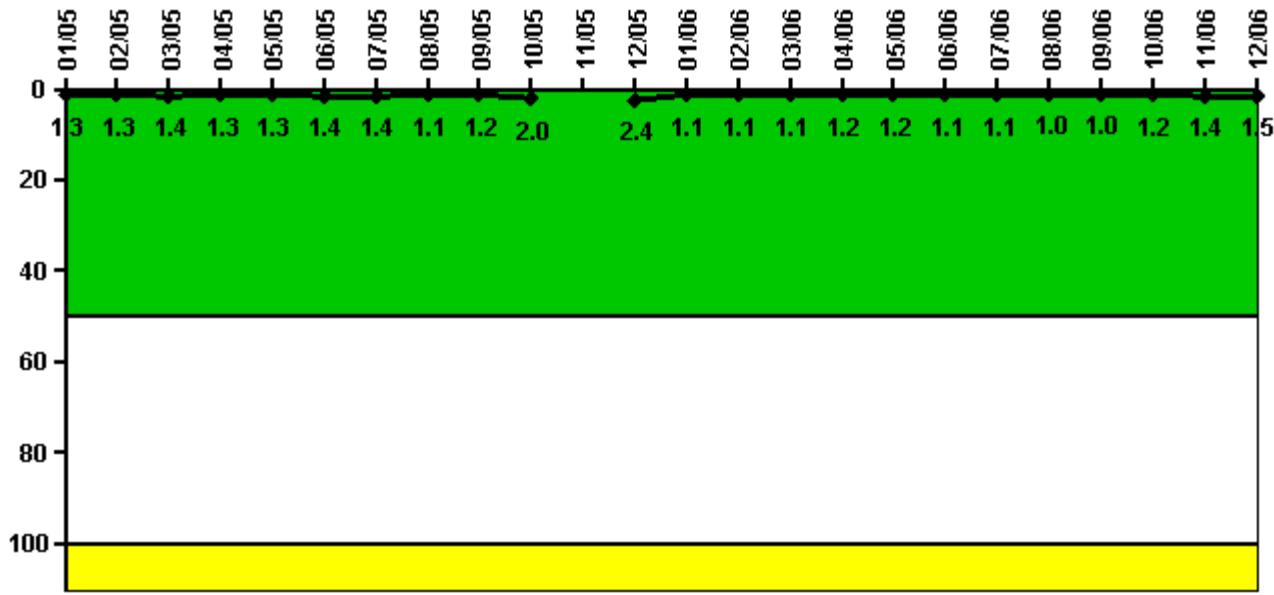
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/05	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05
Maximum activity	0.003270	0.007350	0.006930	0.010200	0.009840	0.009150	0.009550	0.012400	0.024500	0.049600	N/A	0.001050
Indicator value	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.7	1.4	N/A	0
Reactor Coolant System Activity	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum activity	0.001430	0.001480	0.001470	0.001610	0.001600	0.001710	0.001690	0.001720	0.001990	0.001970	0.002270	0.002270
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



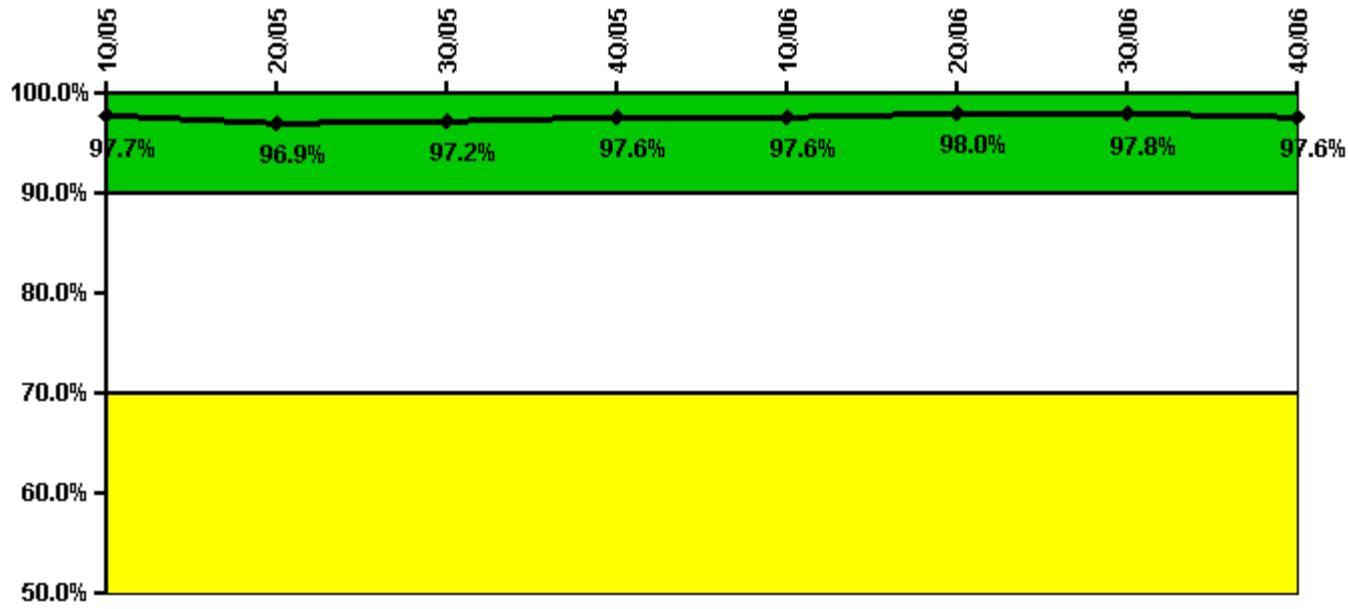
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	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	0.133	0.133	0.136	0.131	0.131	0.138	0.140	0.112	0.119	0.195	N/A	0.237
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	1.3	1.4	1.3	1.3	1.4	1.4	1.1	1.2	2.0	N/A	2.4
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	0.106	0.107	0.112	0.117	0.119	0.111	0.109	0.101	0.099	0.116	0.138	0.149
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	1.1	1.1	1.2	1.2	1.1	1.1	1.0	1.0	1.2	1.4	1.5

Licensee Comments:

12/06: Total RCS Leakage is being reported for this indicator.

Drill/Exercise Performance

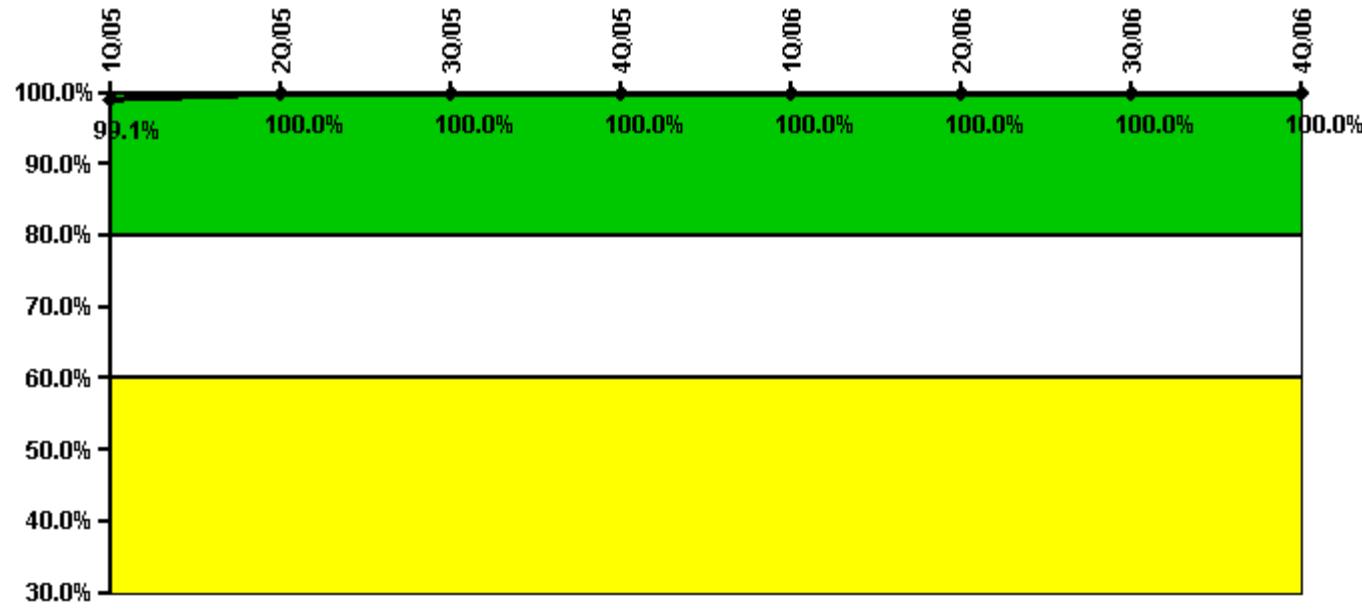
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful opportunities	0	40.0	29.0	2.0	11.0	52.0	10.0	17.0
Total opportunities	0	42.0	30.0	2.0	11.0	53.0	10.0	17.0
Indicator value	97.7%	96.9%	97.2%	97.6%	97.6%	98.0%	97.8%	97.6%

Licensee Comments: none

ERO Drill Participation



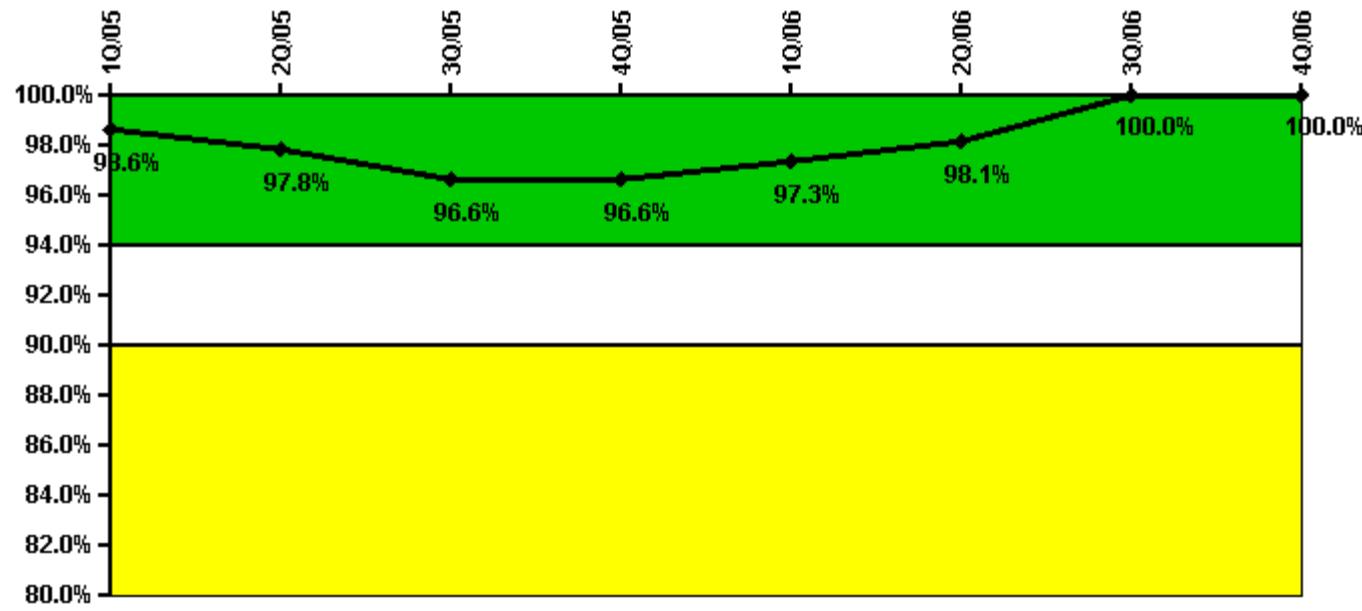
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Participating Key personnel	112.0	118.0	121.0	118.0	113.0	117.0	118.0	121.0
Total Key personnel	113.0	118.0	121.0	118.0	113.0	117.0	118.0	121.0
Indicator value	99.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System

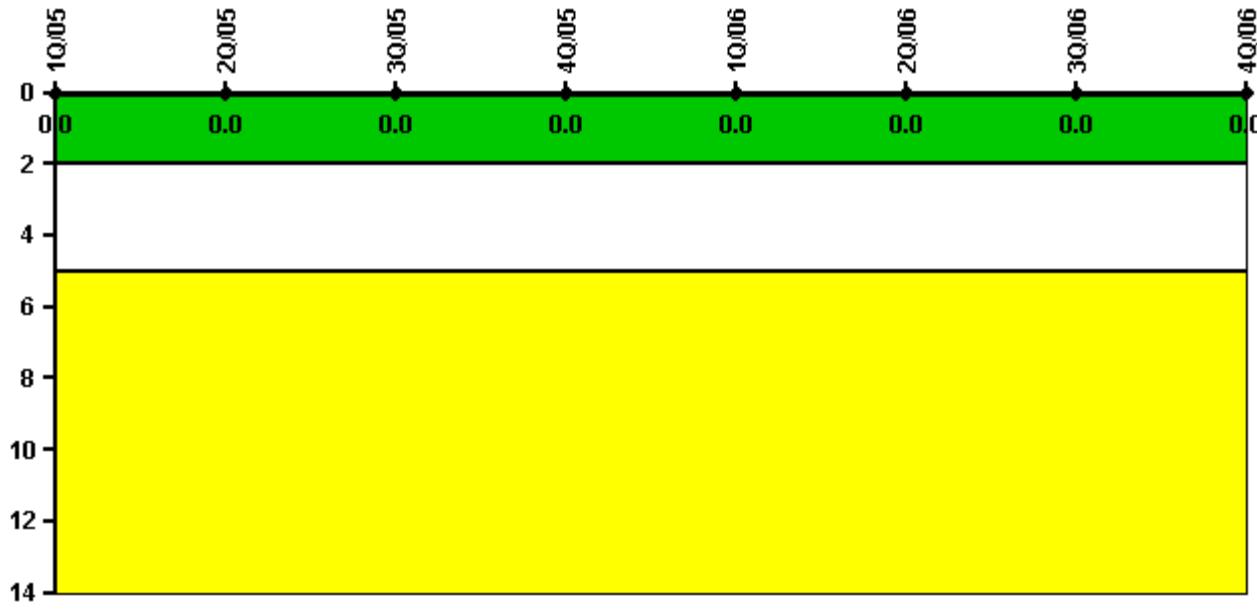


Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful siren-tests	143	142	136	147	147	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	98.6%	97.8%	96.6%	96.6%	97.3%	98.1%	100.0%	100.0%

Licensee Comments: none

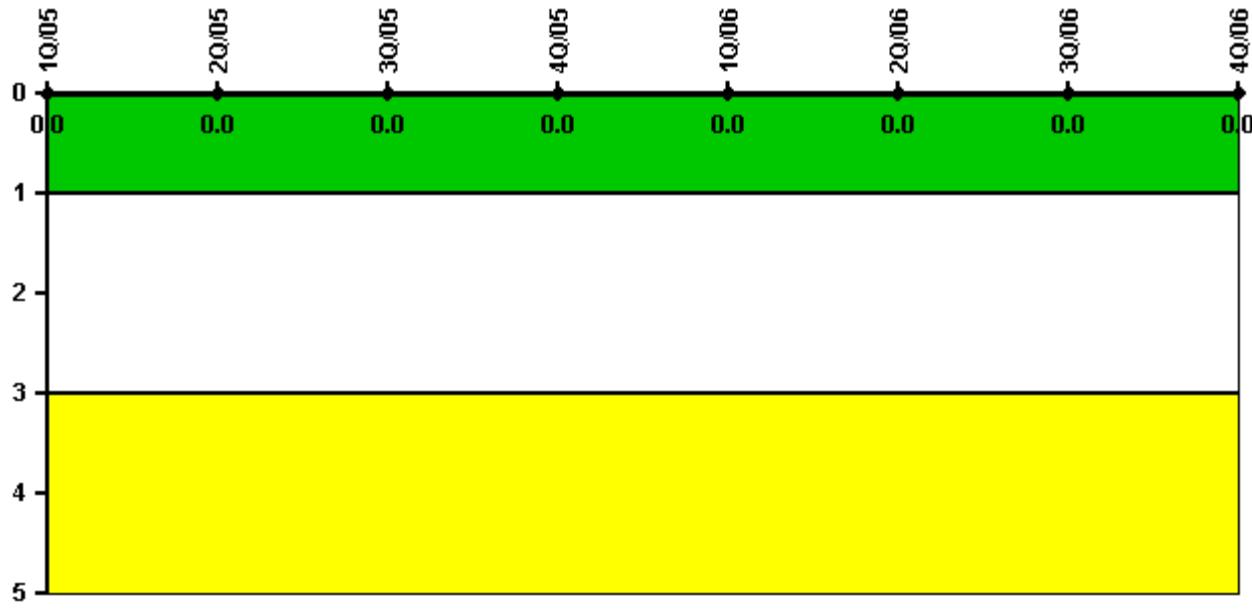
Occupational Exposure Control Effectiveness

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

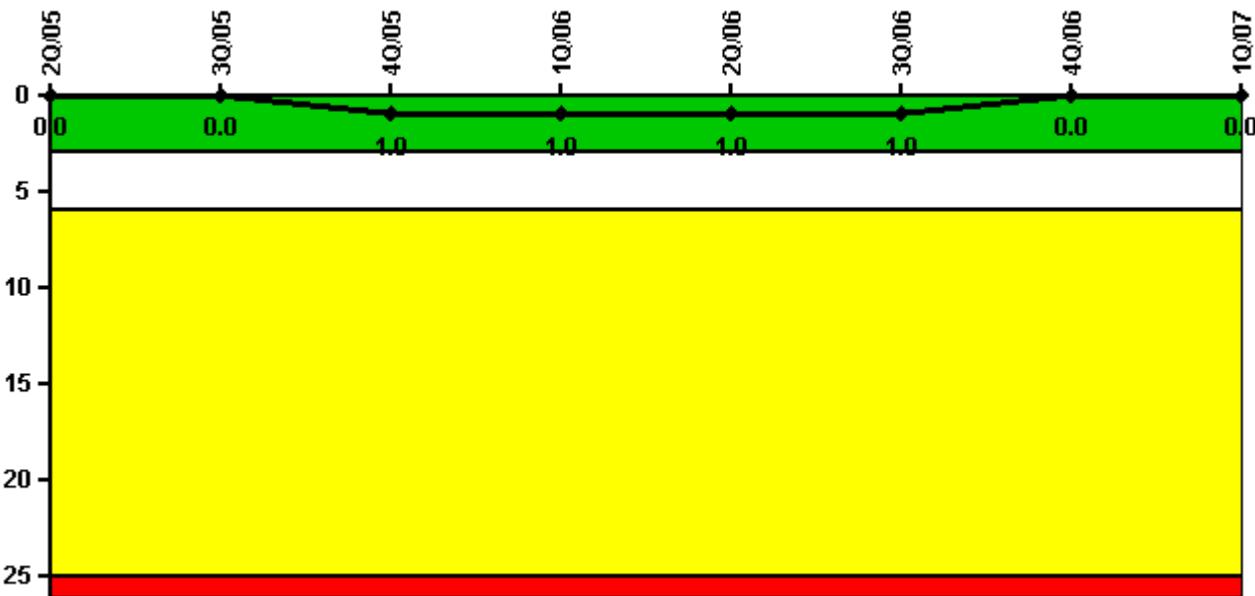
[Physical Protection](#) information not publicly available.

Arkansas Nuclear 1

1Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2183.0	2208.0	259.4	2160.0	2183.0	2208.0	2209.0	2159.0
Indicator value	0	0	1.0	1.0	1.0	1.0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



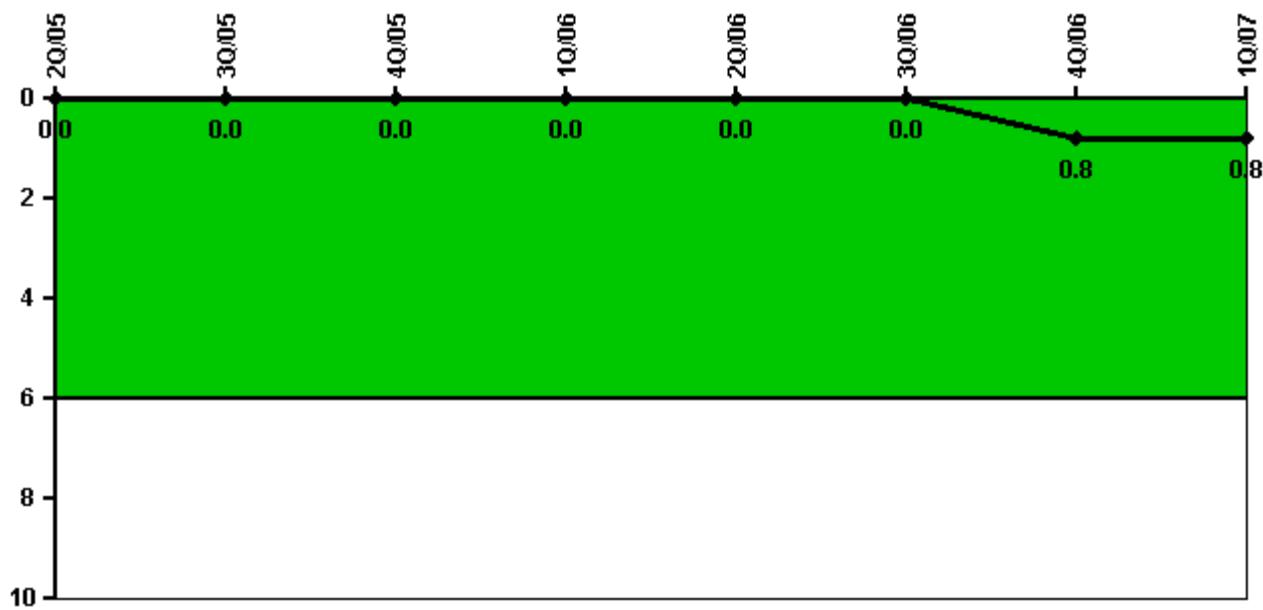
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



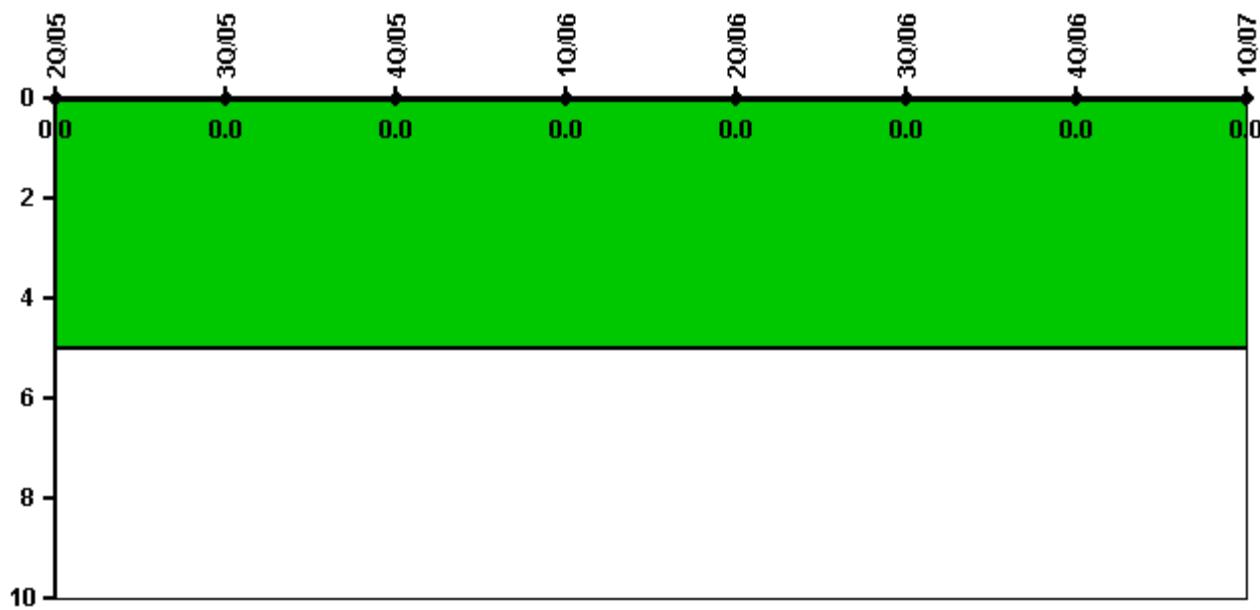
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned power changes	0	0	0	0	0	0	1.0	0
Critical hours	2183.0	2208.0	259.4	2160.0	2183.0	2208.0	2209.0	2159.0
Indicator value	0	0	0	0	0	0	0.8	0.8

Licensee Comments: none

Safety System Functional Failures (PWR)



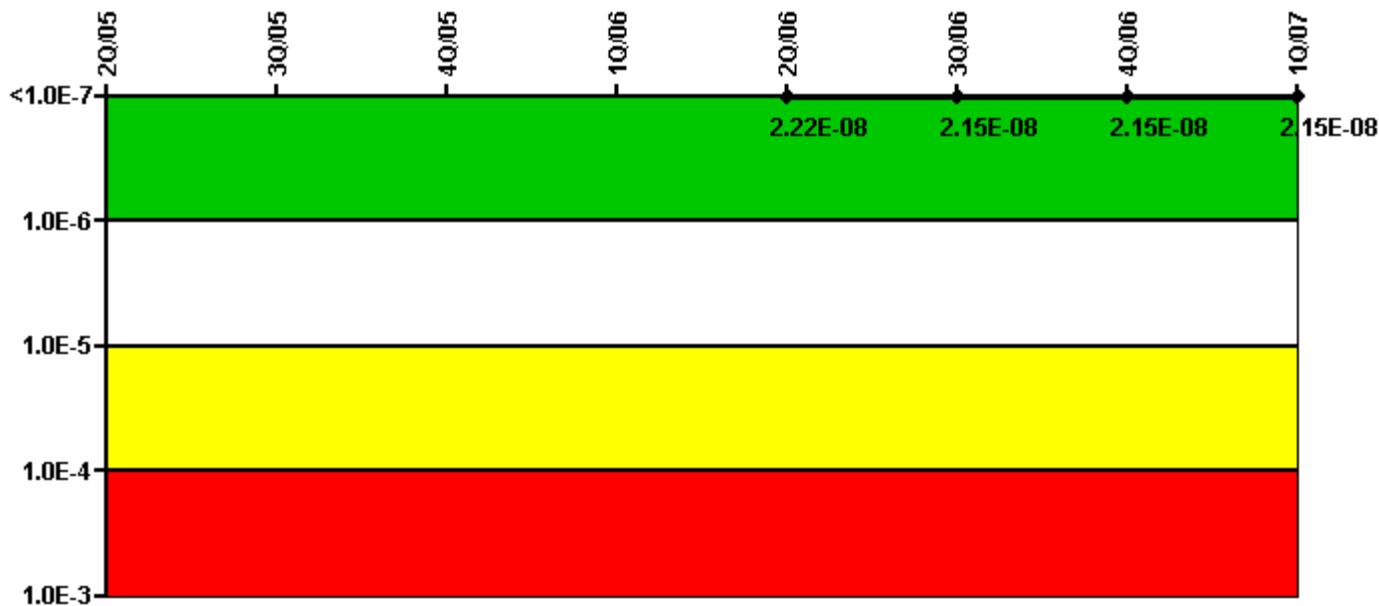
Thresholds: White > 5.0

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



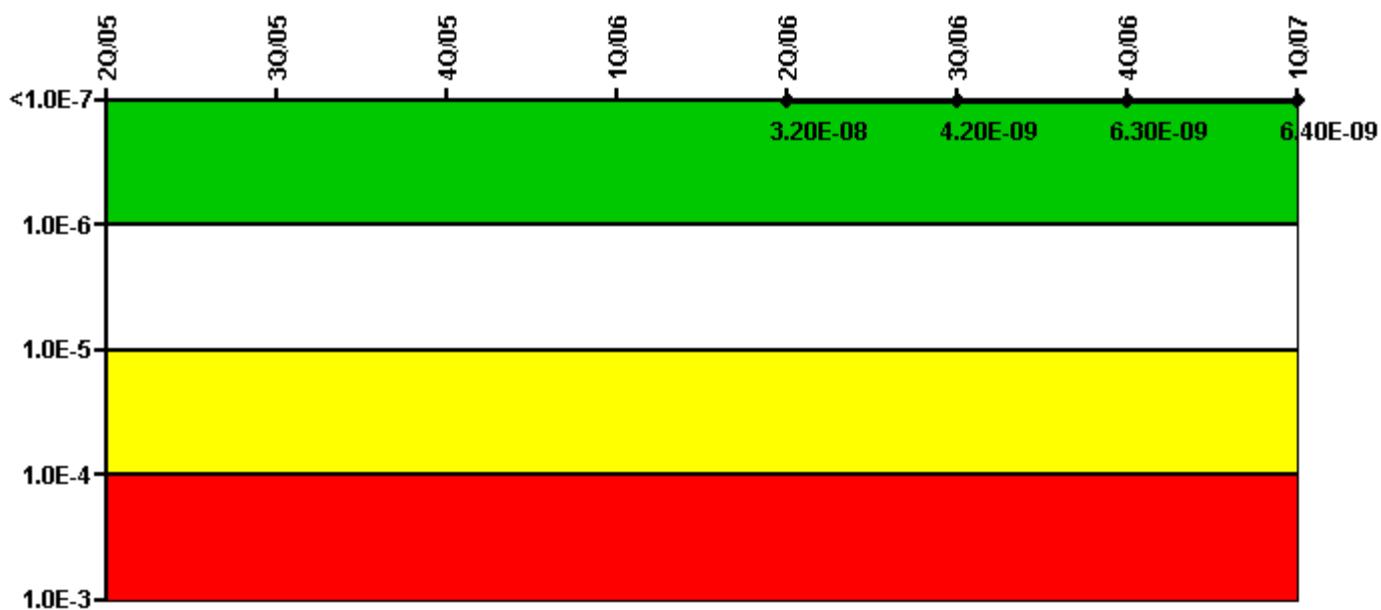
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)					-1.80E-09	-2.50E-09	-2.50E-09	-2.50E-09
URI (Δ CDF)					2.40E-08	2.40E-08	2.40E-08	2.40E-08
PLE					NO	NO	NO	NO
Indicator value					2.22E-08	2.15E-08	2.15E-08	2.15E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



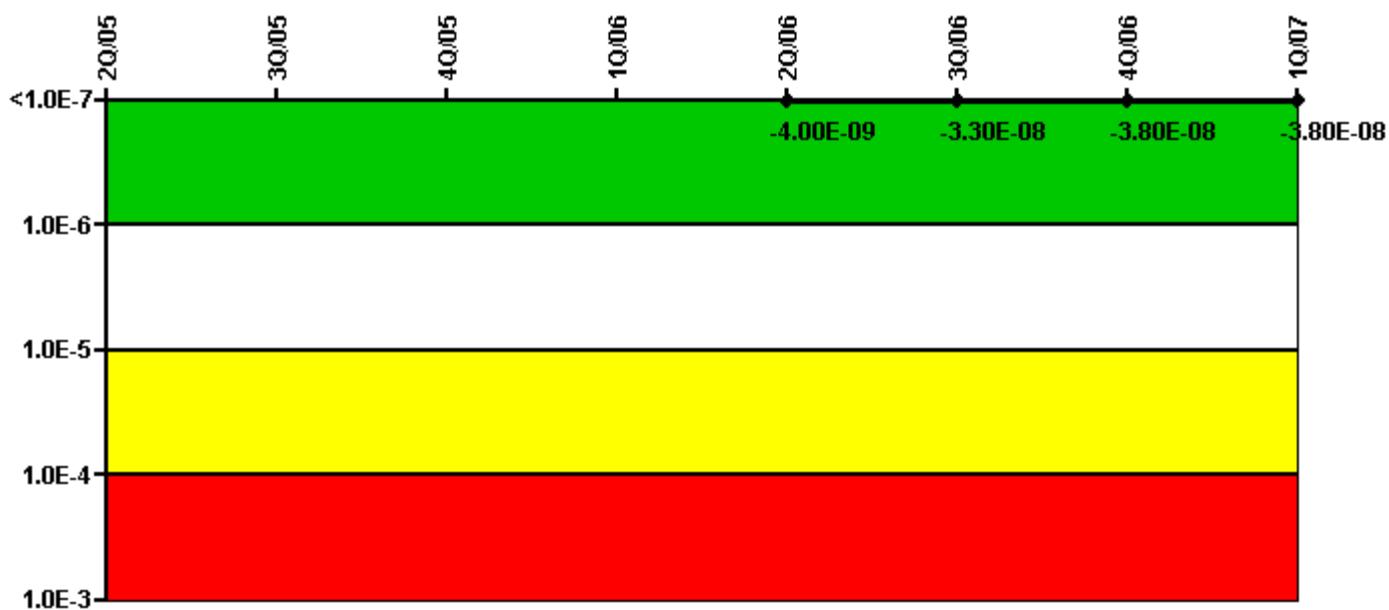
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (Δ CDF)					1.70E-08	-7.80E-09	-5.70E-09	-5.60E-09
URI (Δ CDF)					1.50E-08	1.20E-08	1.20E-08	1.20E-08
PLE					NO	NO	NO	NO
Indicator value					3.20E-08	4.20E-09	6.30E-09	6.40E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



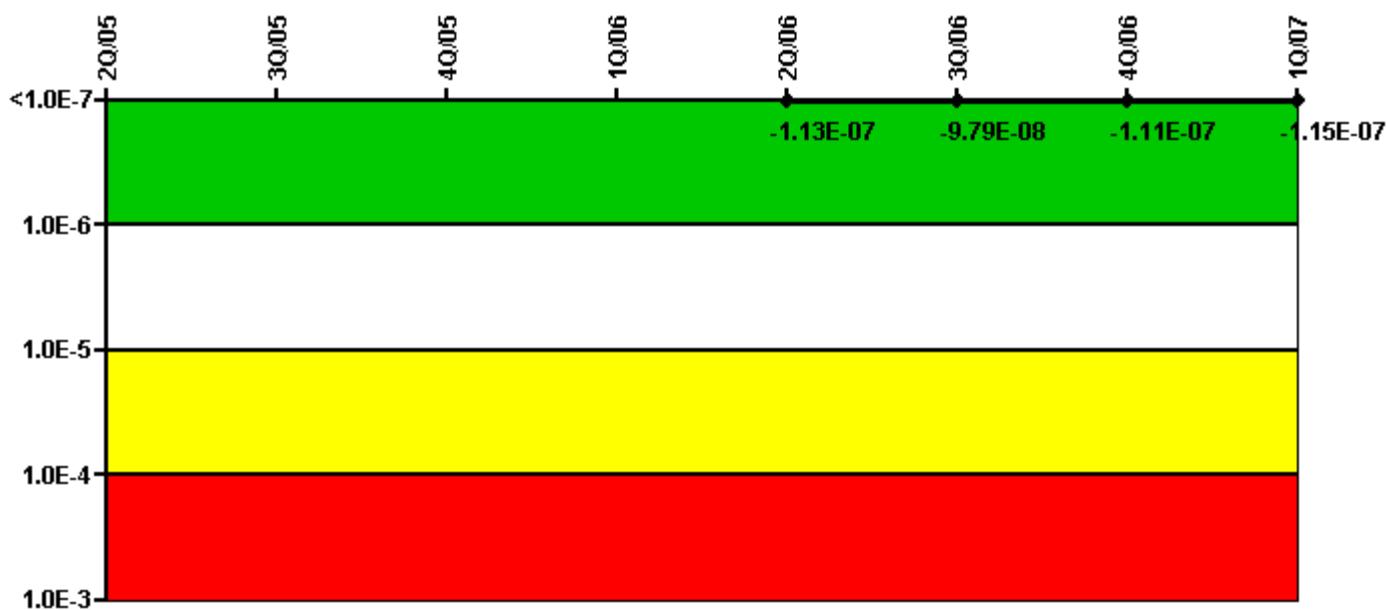
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (Δ CDF)					7.50E-08	4.20E-08	3.80E-08	3.80E-08
URI (Δ CDF)					-7.90E-08	-7.50E-08	-7.60E-08	-7.60E-08
PLE					NO	NO	NO	NO
Indicator value					-4.00E-09	-3.30E-08	-3.80E-08	-3.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



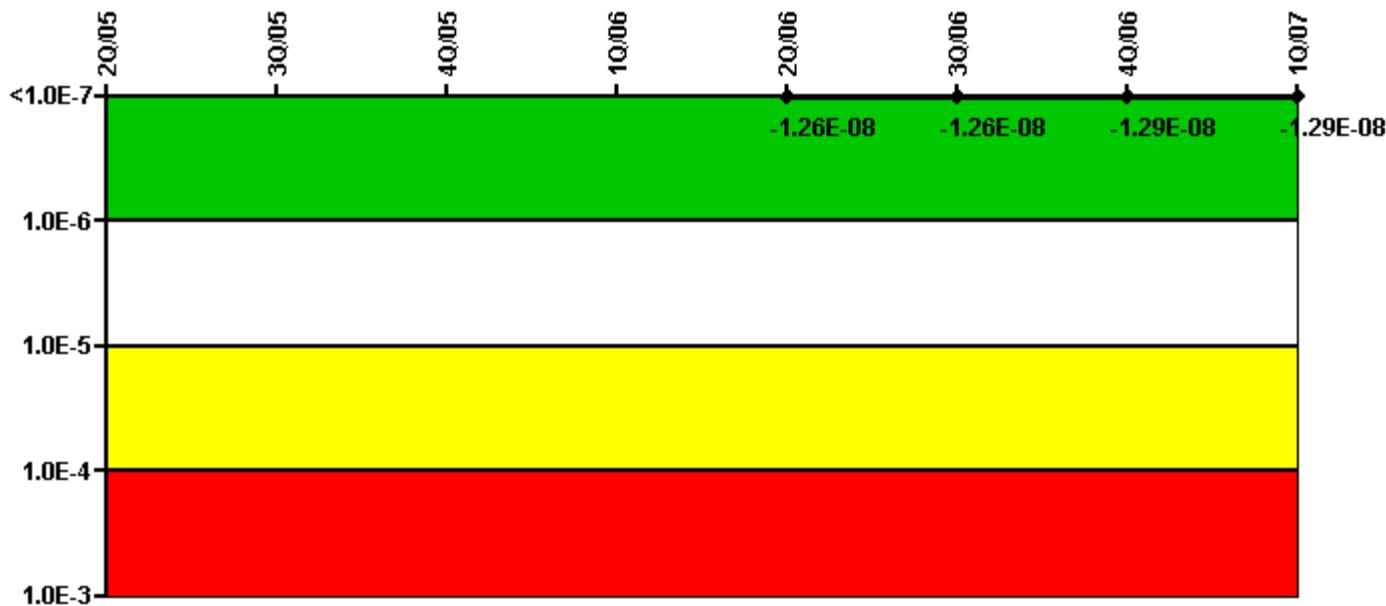
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (Δ CDF)					-1.30E-08	2.10E-09	-1.10E-08	-1.50E-08
URI (Δ CDF)					-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07
PLE					NO	NO	NO	NO
Indicator value					-1.13E-07	-9.79E-08	-1.11E-07	-1.15E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



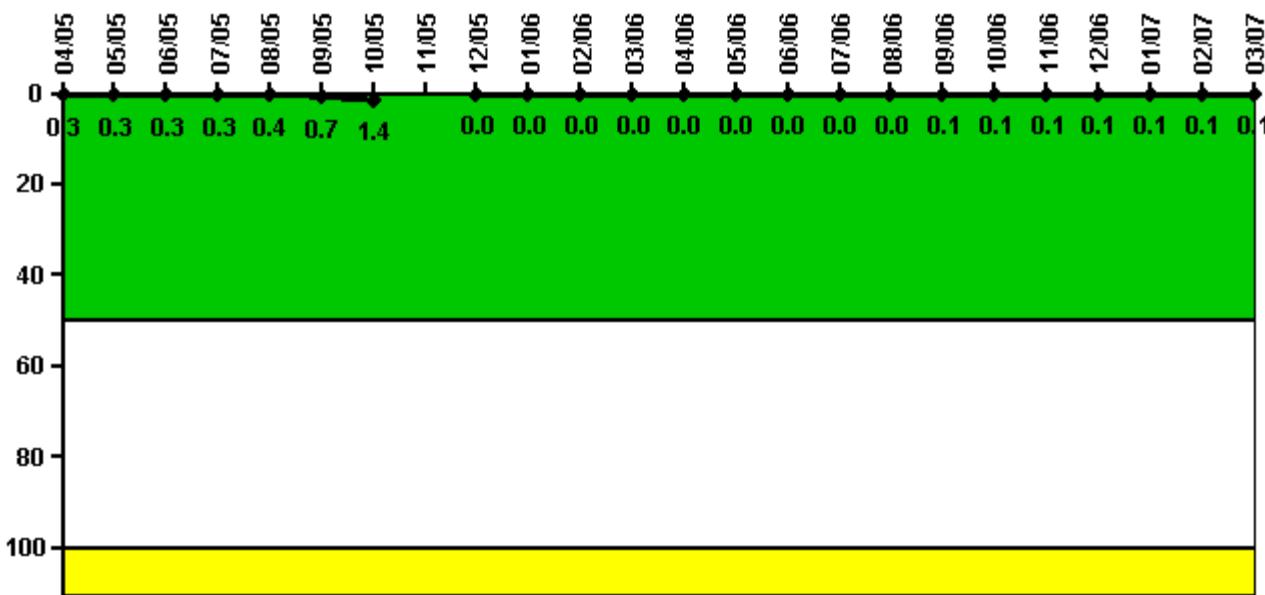
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)					-6.30E-10	-6.40E-10	-8.50E-10	-9.40E-10
URI (Δ CDF)					-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08
PLE					NO	NO	NO	NO
Indicator value					-1.26E-08	-1.26E-08	-1.29E-08	-1.29E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

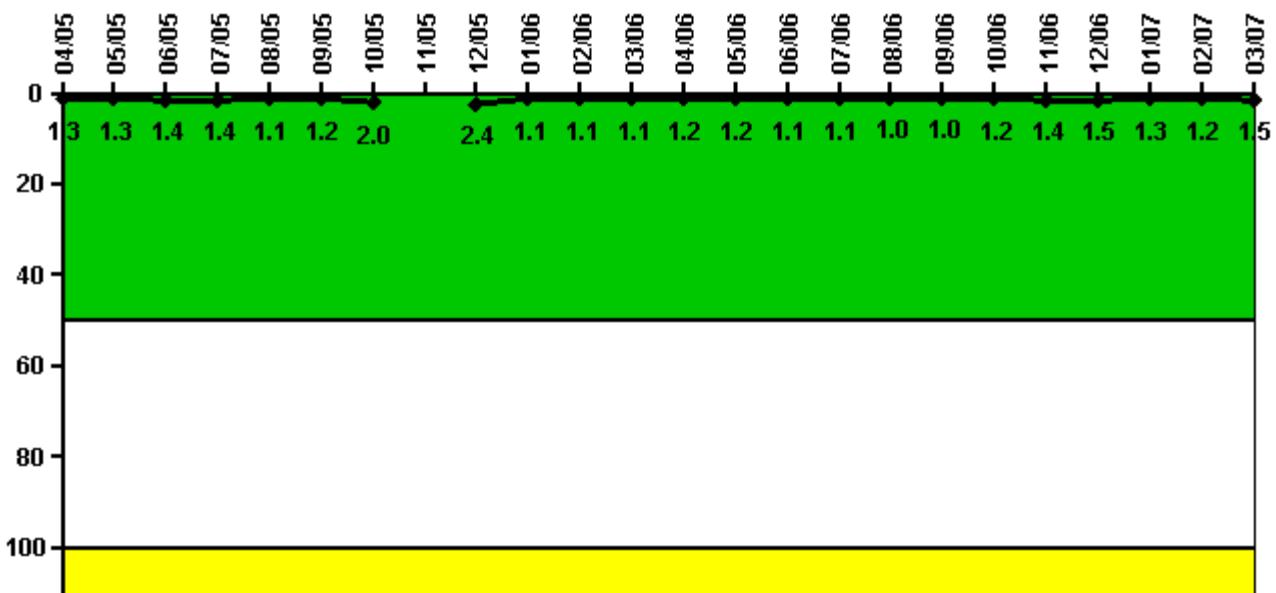
Notes

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	0.010200	0.009840	0.009150	0.009550	0.012400	0.024500	0.049600	N/A	0.001050	0.001430	0.001480	0.001470
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.3	0.3	0.3	0.3	0.4	0.7	1.4	N/A	0	0	0	0

Reactor Coolant System Activity	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum activity	0.001610	0.001600	0.001710	0.001690	0.001720	0.001990	0.001970	0.002270	0.002270	0.002370	0.002400	0.002310
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

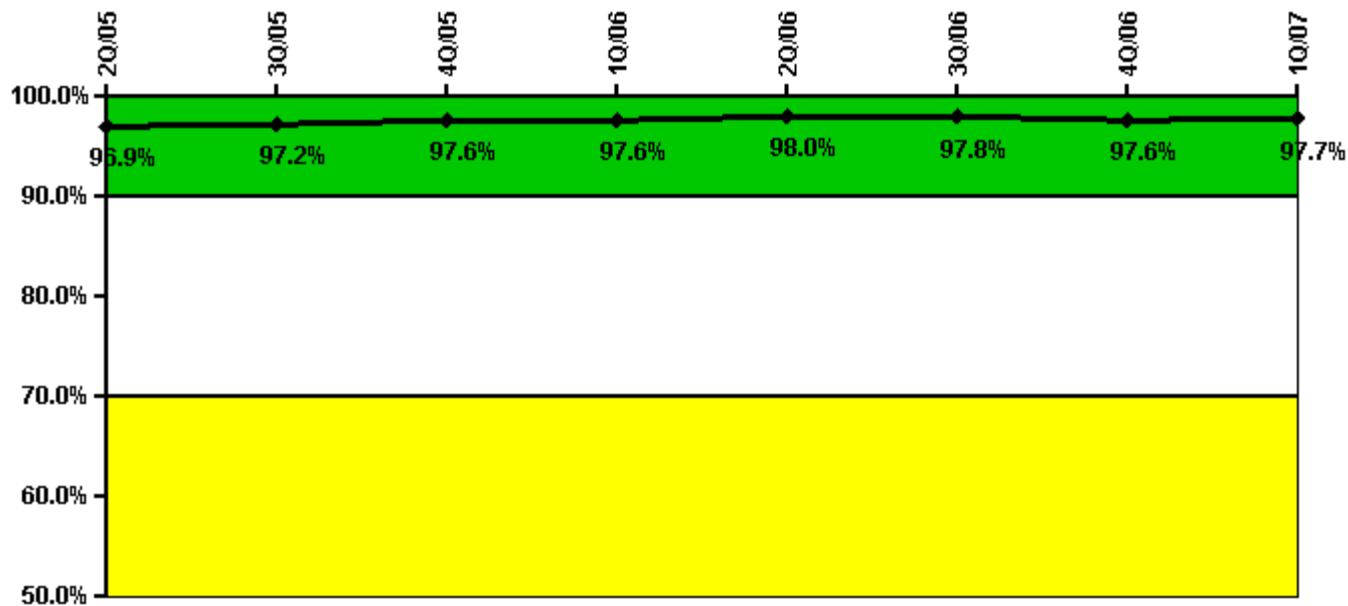
Notes

Reactor Coolant System Leakage	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	0.131	0.131	0.138	0.140	0.112	0.119	0.195	N/A	0.237	0.106	0.107	0.112
Indicator value	1.3	1.3	1.4	1.4	1.1	1.2	2.0	N/A	2.4	1.1	1.1	1.1
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	0.117	0.119	0.111	0.109	0.101	0.099	0.116	0.138	0.149	0.129	0.120	0.151
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	1.2	1.1	1.1	1.0	1.0	1.2	1.4	1.5	1.3	1.2	1.5

Licensee Comments:

3/07: Total Leakage is being reported in lieu of Identified Leakage

Drill/Exercise Performance



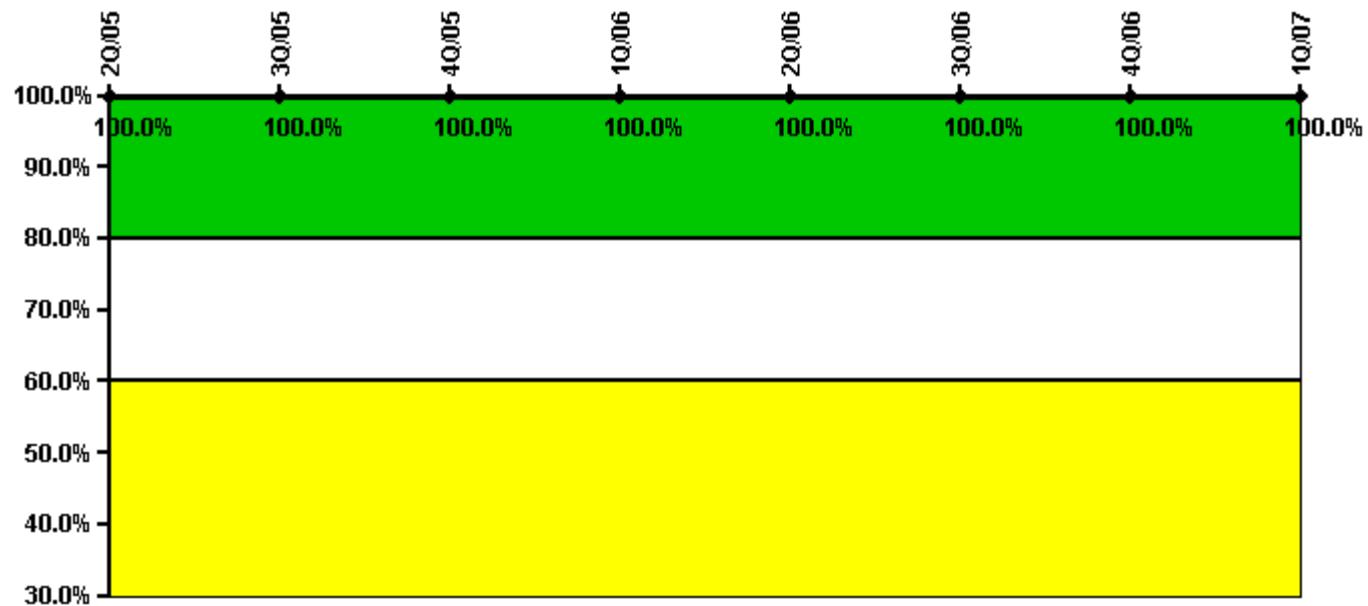
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful opportunities	40.0	29.0	2.0	11.0	52.0	10.0	17.0	7.0
Total opportunities	42.0	30.0	2.0	11.0	53.0	10.0	17.0	7.0
Indicator value	96.9%	97.2%	97.6%	97.6%	98.0%	97.8%	97.6%	97.7%

Licensee Comments: none

ERO Drill Participation



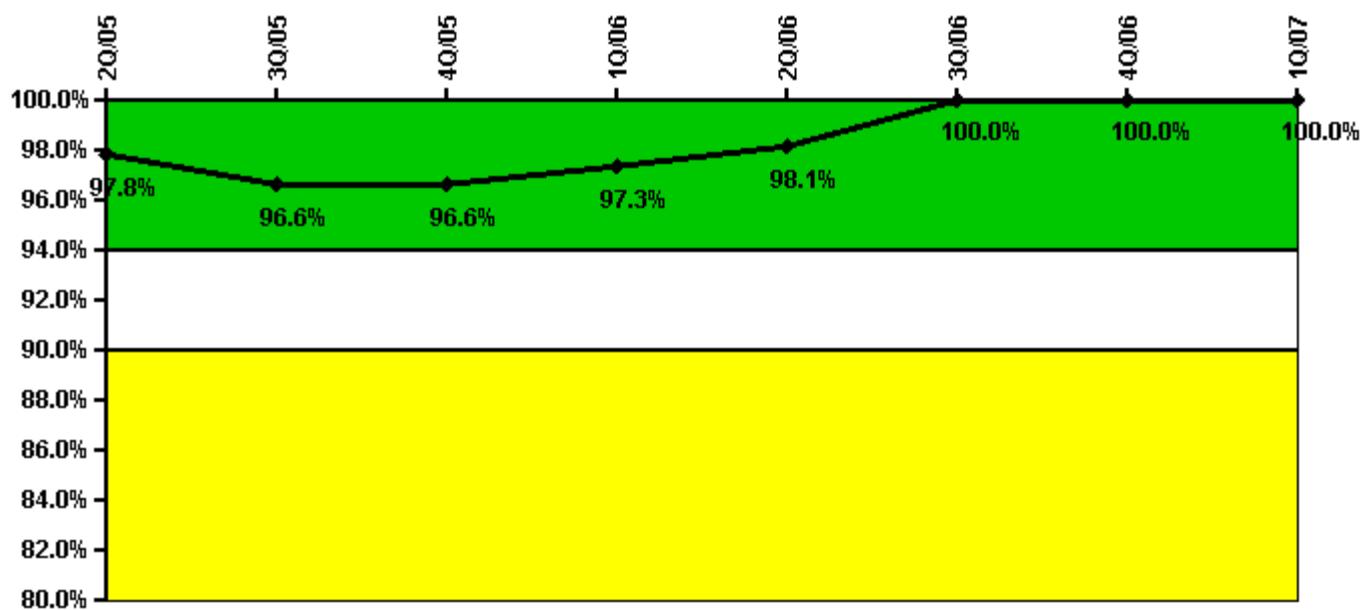
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Participating Key personnel	118.0	121.0	118.0	113.0	117.0	118.0	121.0	115.0
Total Key personnel	118.0	121.0	118.0	113.0	117.0	118.0	121.0	115.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



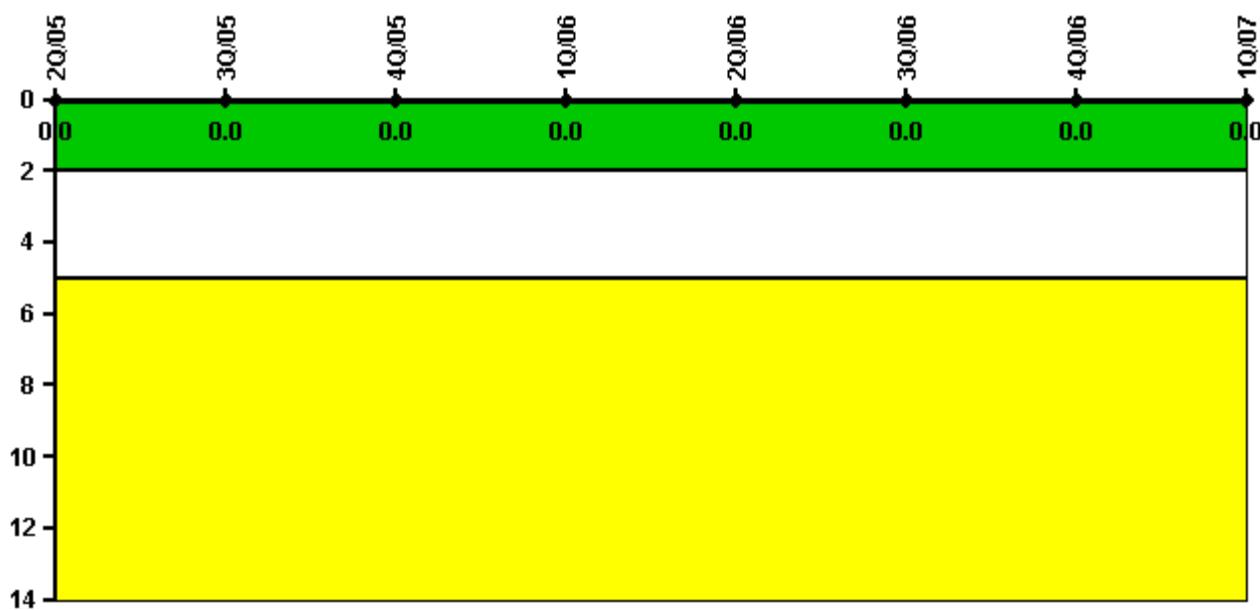
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful siren-tests	142	136	147	147	147	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	97.8%	96.6%	96.6%	97.3%	98.1%	100.0%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



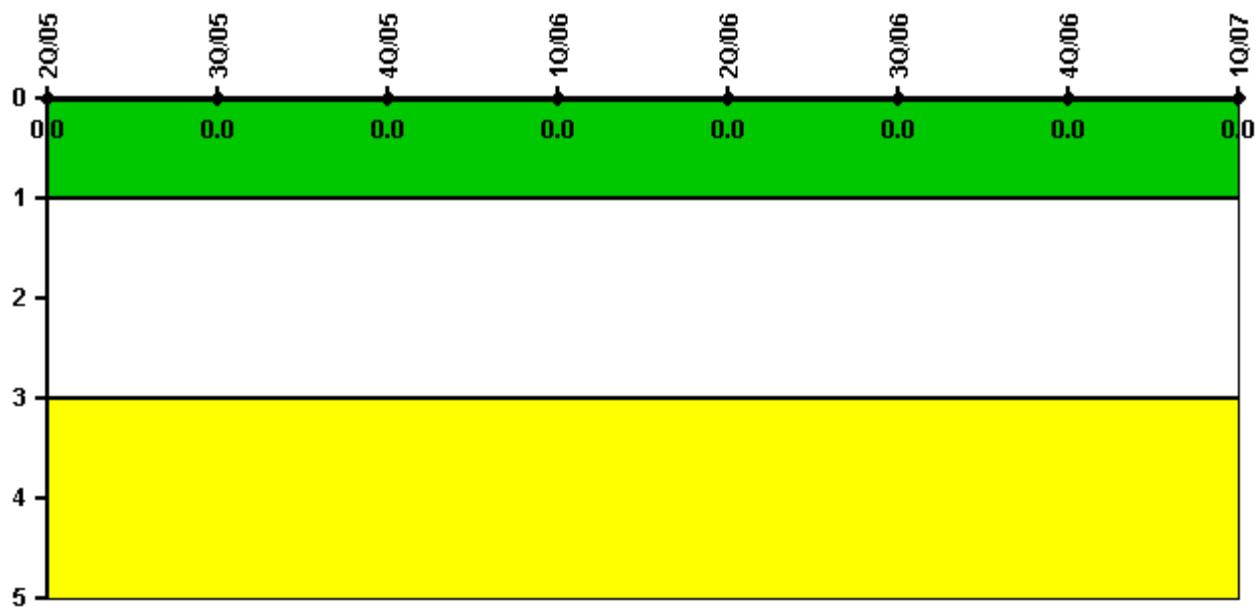
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

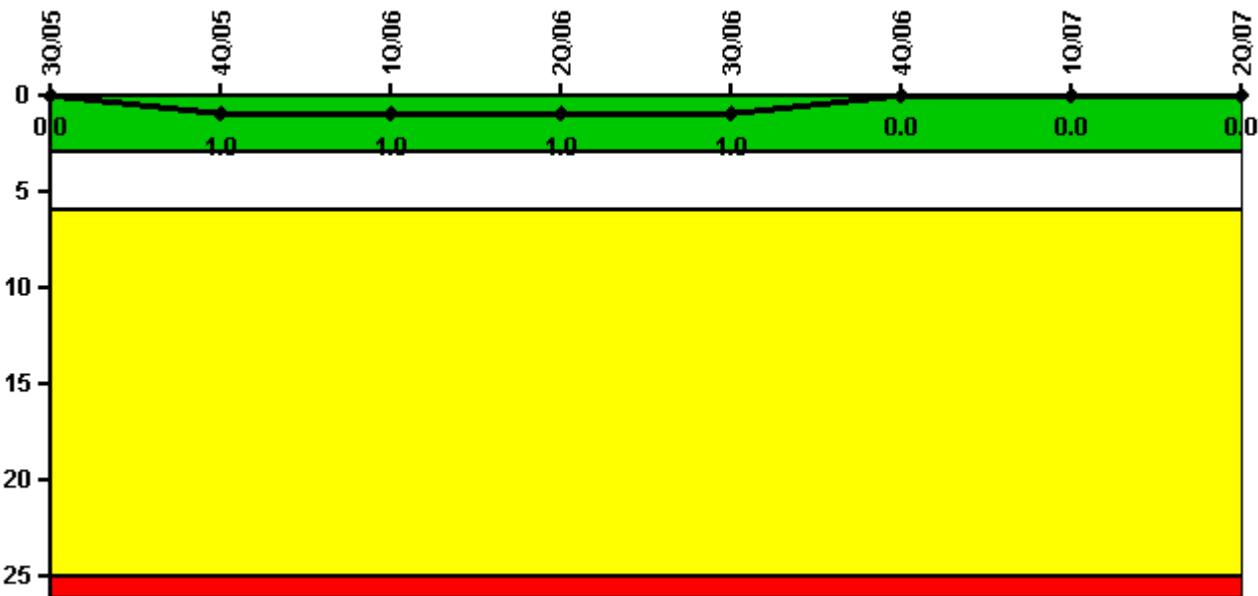
[Physical Protection](#) information not publicly available.

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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	0	1.0	0	0	0	0	0	0
Critical hours	2208.0	259.4	2160.0	2183.0	2208.0	2209.0	2159.0	1689.2
Indicator value	0	1.0	1.0	1.0	1.0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



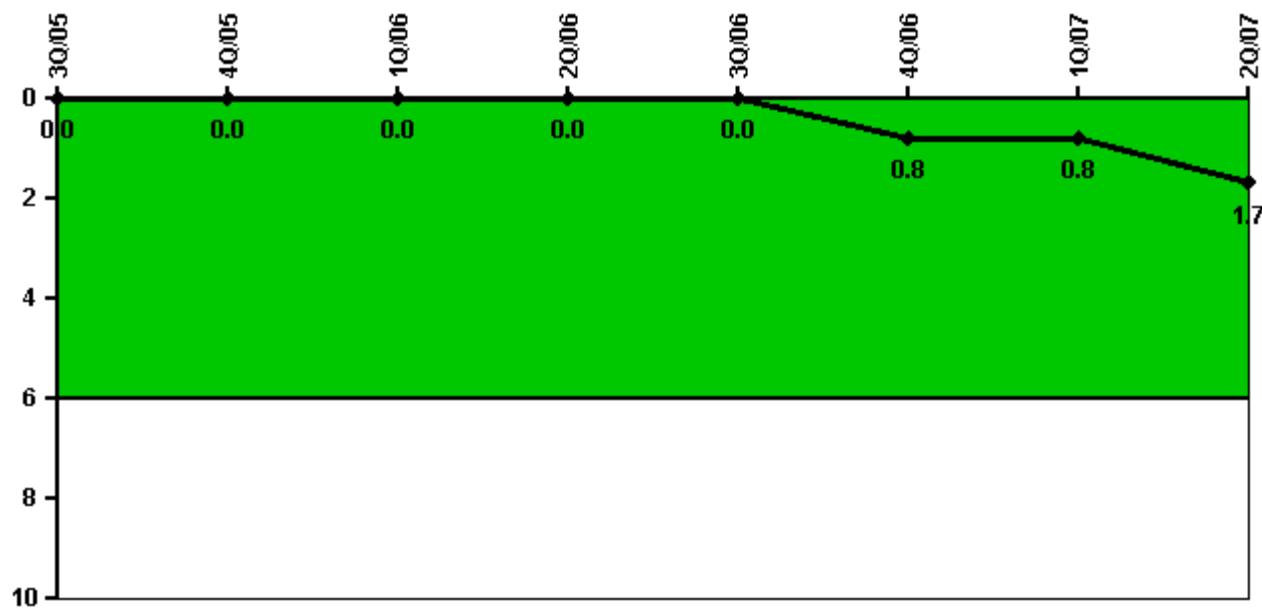
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



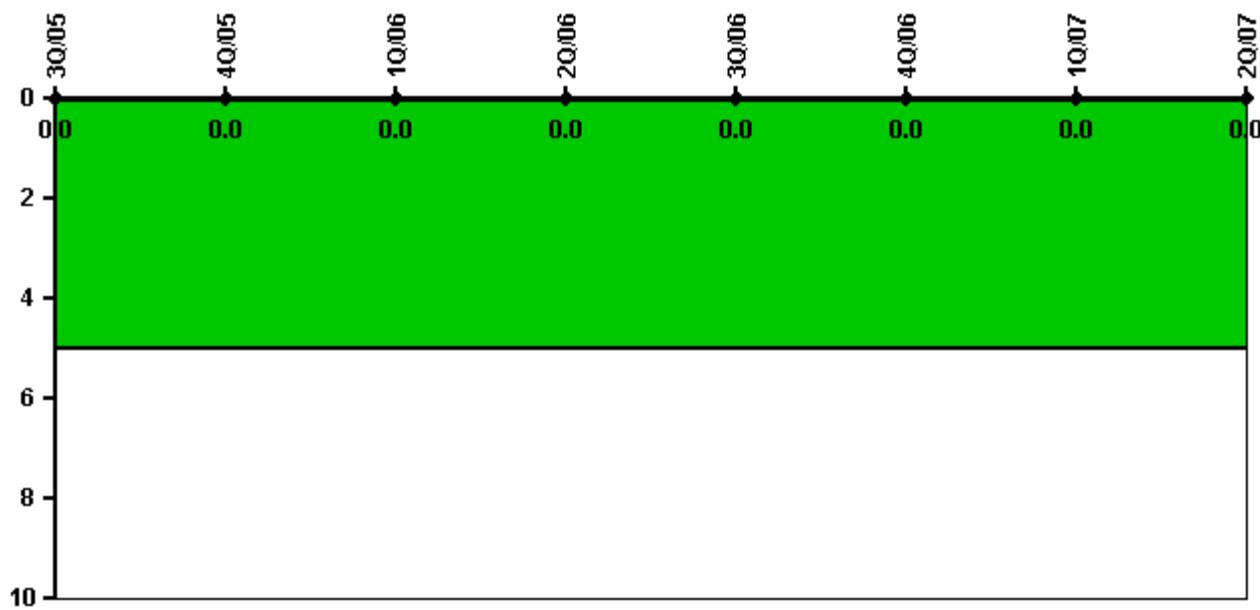
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned power changes	0	0	0	0	0	1.0	0	1.0
Critical hours	2208.0	259.4	2160.0	2183.0	2208.0	2209.0	2159.0	1689.2
Indicator value	0	0	0	0	0	0.8	0.8	1.7

Licensee Comments: none

Safety System Functional Failures (PWR)



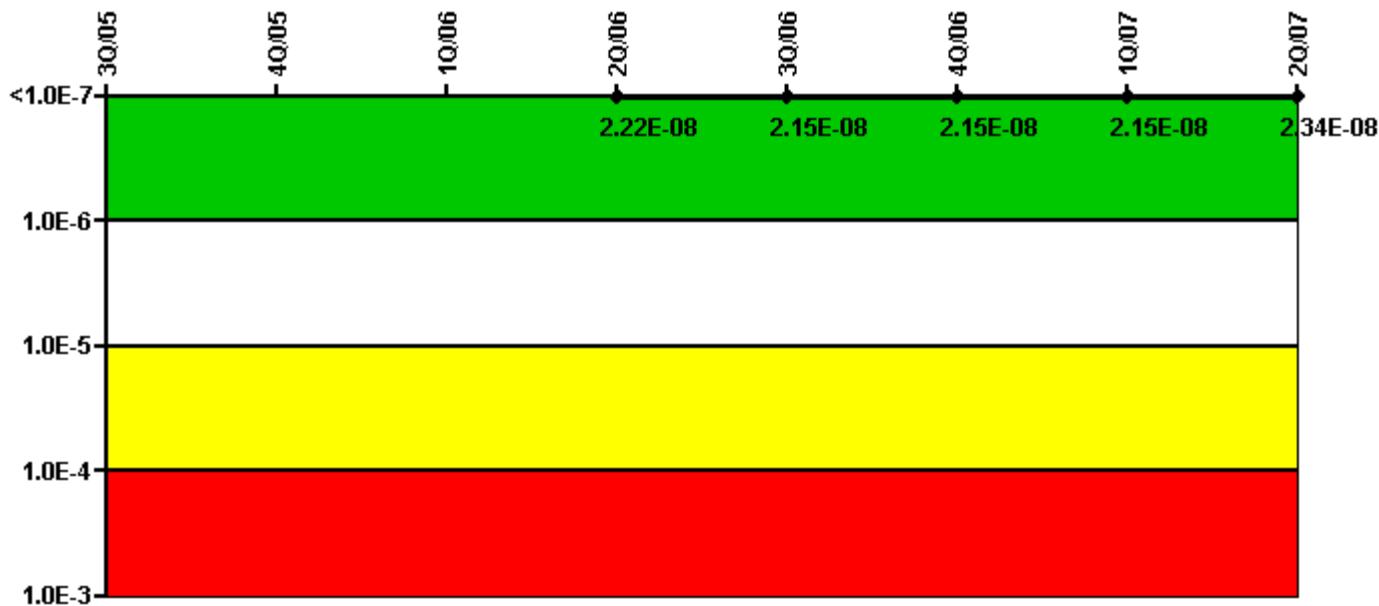
Thresholds: White > 5.0

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



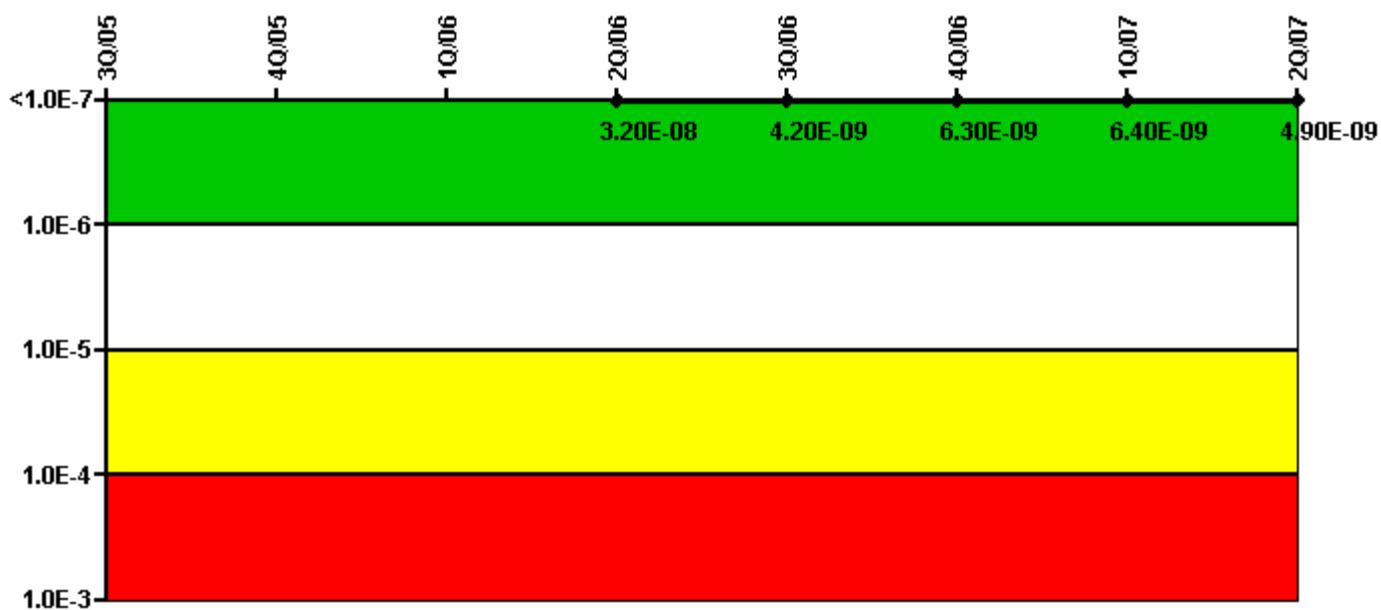
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)				-1.80E-09	-2.50E-09	-2.50E-09	-2.50E-09	2.40E-09
URI (Δ CDF)				2.40E-08	2.40E-08	2.40E-08	2.40E-08	2.10E-08
PLE				NO	NO	NO	NO	NO
Indicator value				2.22E-08	2.15E-08	2.15E-08	2.15E-08	2.34E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



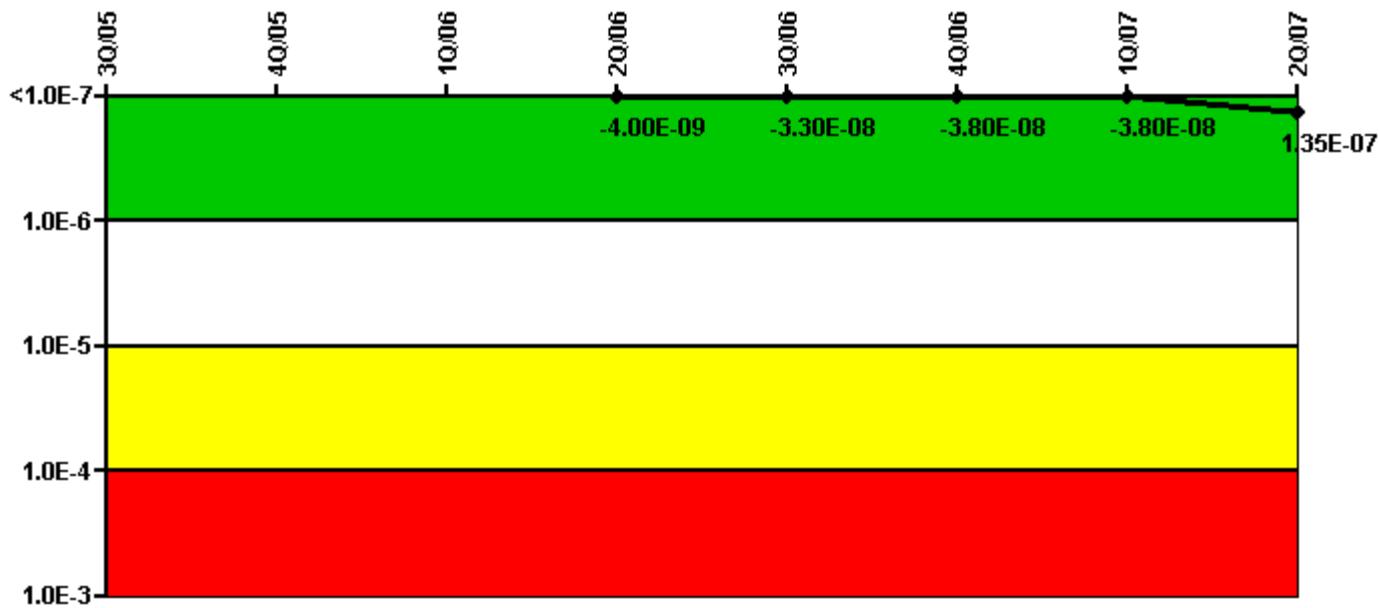
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				1.70E-08	-7.80E-09	-5.70E-09	-5.60E-09	-7.10E-09
URI (Δ CDF)				1.50E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08
PLE					NO	NO	NO	NO
Indicator value				3.20E-08	4.20E-09	6.30E-09	6.40E-09	4.90E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



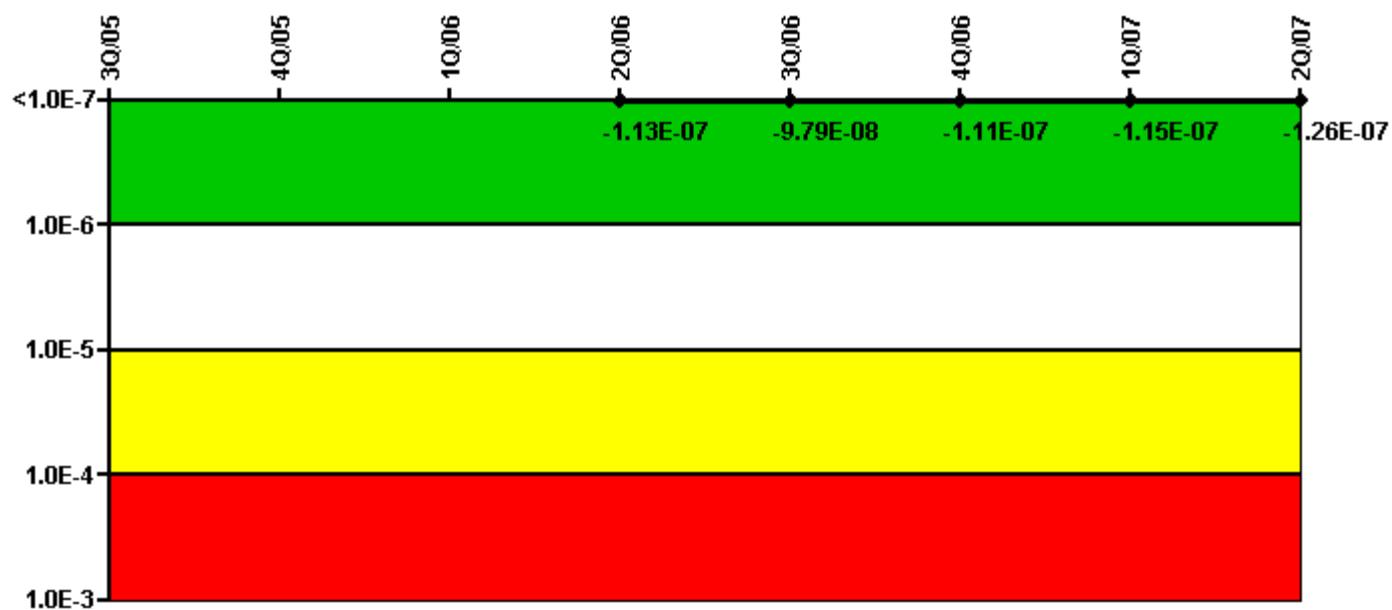
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				7.50E-08	4.20E-08	3.80E-08	3.80E-08	8.30E-08
URI (Δ CDF)				-7.90E-08	-7.50E-08	-7.60E-08	-7.60E-08	5.20E-08
PLE				NO	NO	NO	NO	NO
Indicator value				-4.00E-09	-3.30E-08	-3.80E-08	-3.80E-08	1.35E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



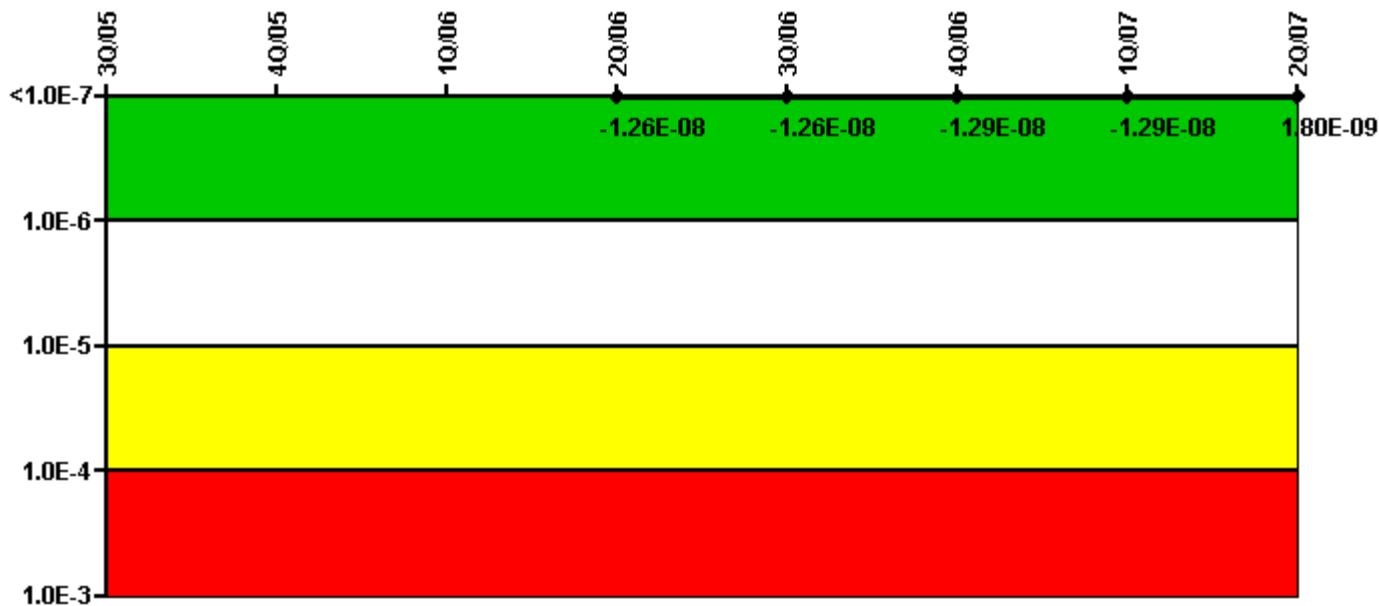
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				-1.30E-08	2.10E-09	-1.10E-08	-1.50E-08	-1.60E-08
URI (Δ CDF)				-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.10E-07
PLE				NO	NO	NO	NO	NO
Indicator value				-1.13E-07	-9.79E-08	-1.11E-07	-1.15E-07	-1.26E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



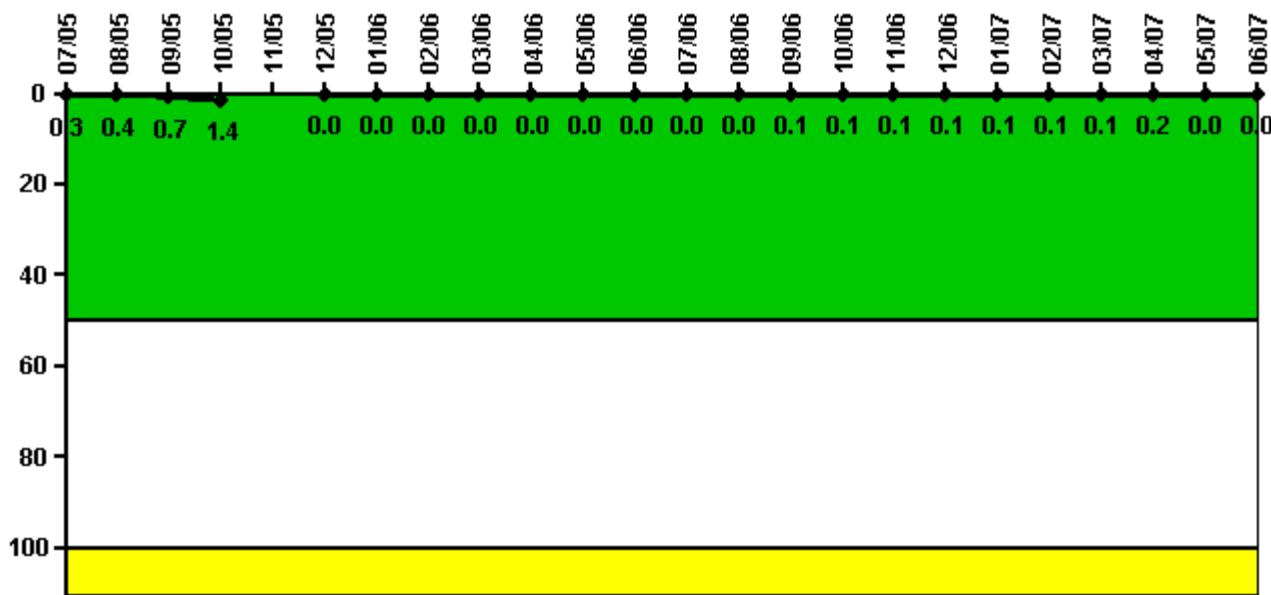
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

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)				$-6.30E-10$	$-6.40E-10$	$-8.50E-10$	$-9.40E-10$	$-1.50E-09$
URI (Δ CDF)				$-1.20E-08$	$-1.20E-08$	$-1.20E-08$	$-1.20E-08$	$3.30E-09$
PLE				NO	NO	NO	NO	NO
Indicator value				$-1.26E-08$	$-1.26E-08$	$-1.29E-08$	$-1.29E-08$	$1.80E-09$

Licensee Comments: none

Reactor Coolant System Activity



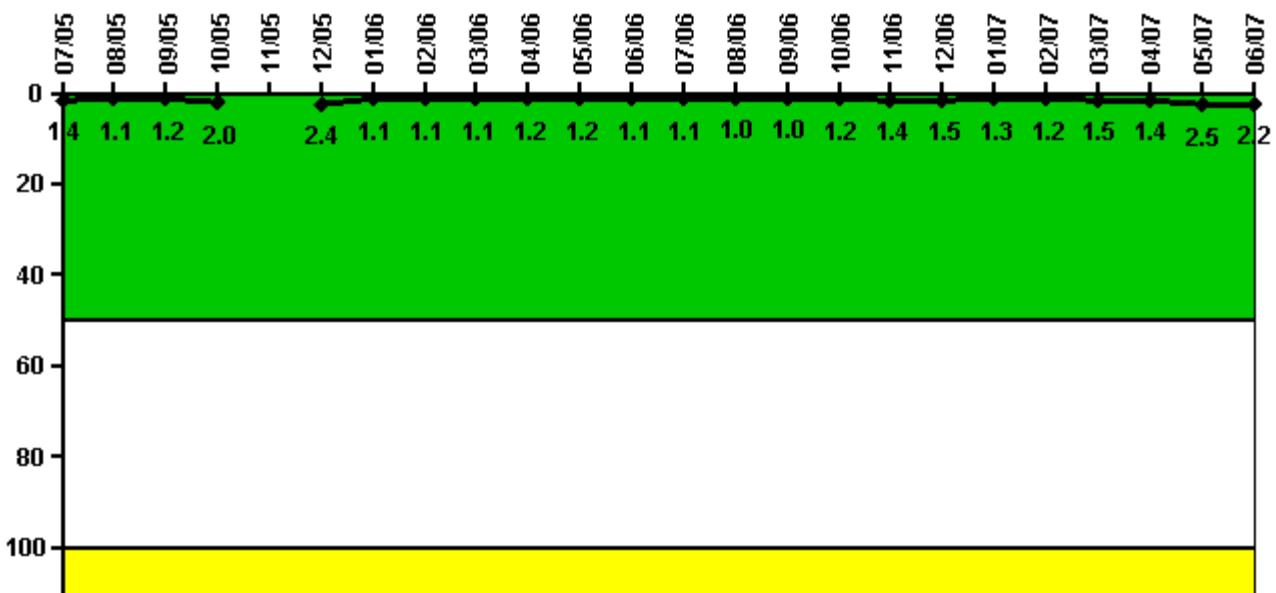
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity		7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06
Maximum activity		0.009550	0.012400	0.024500	0.049600	N/A	0.001050	0.001430	0.001480	0.001470	0.001610	0.001600	0.001710
Technical specification limit		3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value		0.3	0.4	0.7	1.4	N/A	0	0	0	0	0	0	0
Reactor Coolant System Activity		7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum activity		0.001690	0.001720	0.001990	0.001970	0.002270	0.002270	0.002370	0.002400	0.002310	0.005490	0.000703	0.000797
Technical specification limit		3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value		0	0	0.1	0.2	0	0						

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

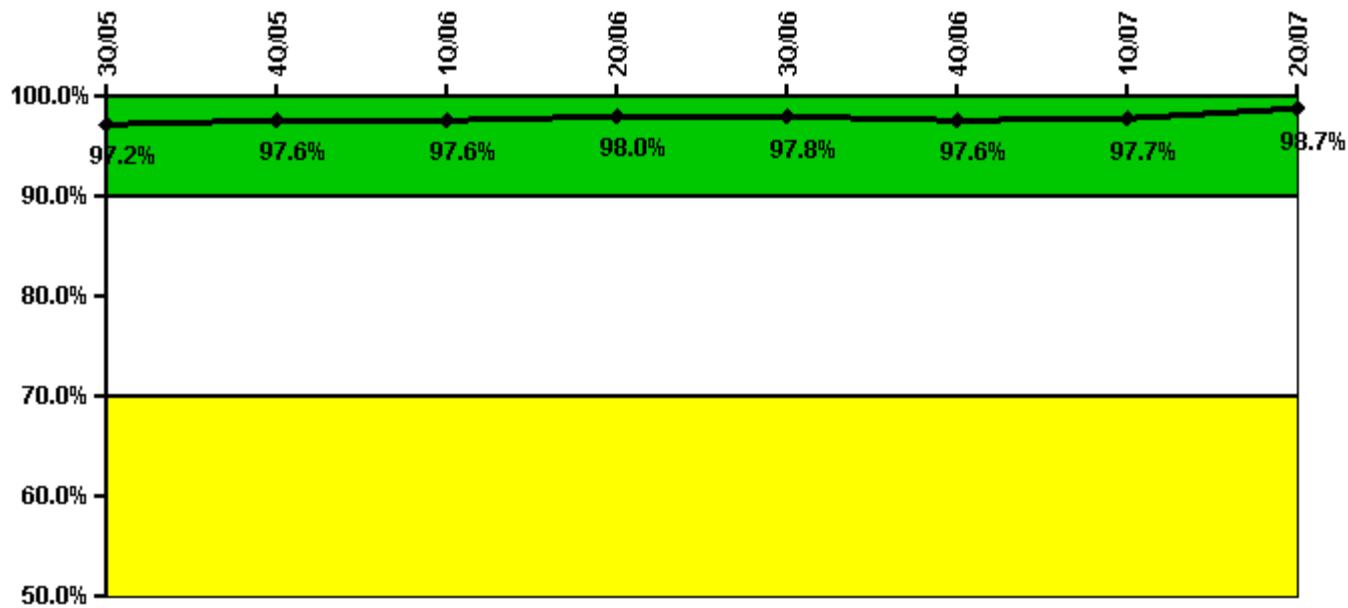
Notes

Reactor Coolant System Leakage	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	0.140	0.112	0.119	0.195	N/A	0.237	0.106	0.107	0.112	0.117	0.119	0.111
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	1.1	1.2	2.0	N/A	2.4	1.1	1.1	1.1	1.2	1.2	1.1
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	0.109	0.101	0.099	0.116	0.138	0.149	0.129	0.120	0.151	0.135	0.252	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	1.1	1.0	1.0	1.2	1.4	1.5	1.3	1.2	1.5	1.4	2.5	2.2

Licensee Comments:

6/07: Total leakage is being reported in lieu of identified leakage.

Drill/Exercise Performance



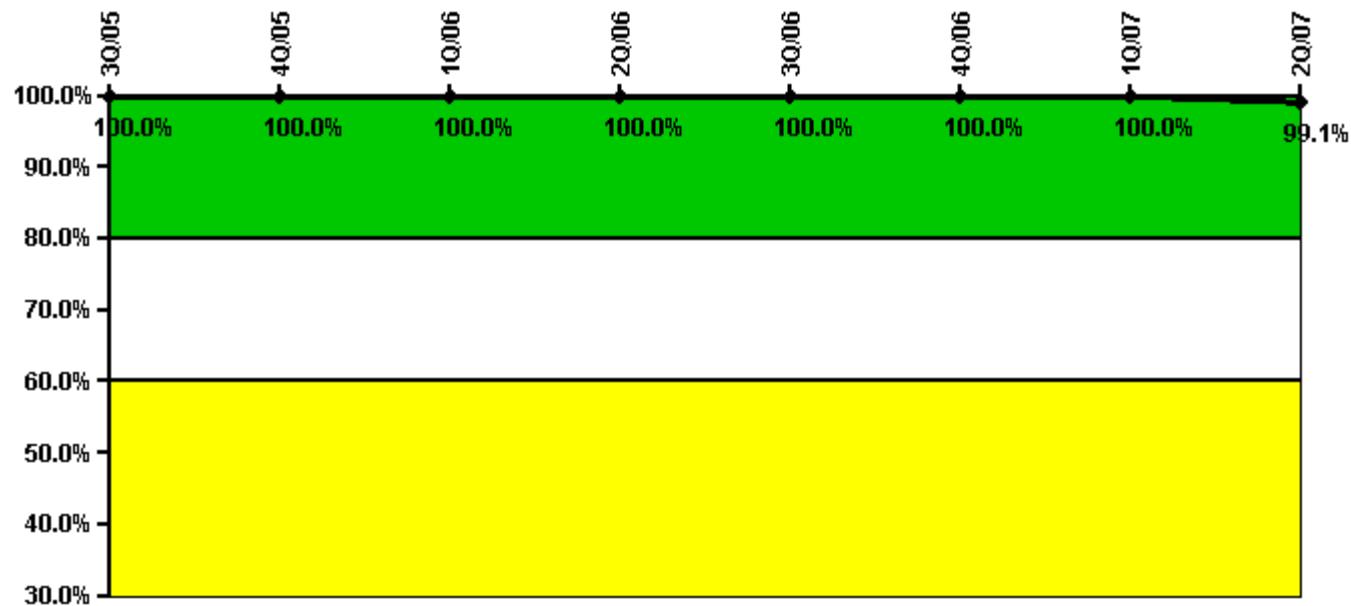
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful opportunities	29.0	2.0	11.0	52.0	10.0	17.0	7.0	23.0
Total opportunities	30.0	2.0	11.0	53.0	10.0	17.0	7.0	23.0
Indicator value	97.2%	97.6%	97.6%	98.0%	97.8%	97.6%	97.7%	98.7%

Licensee Comments: none

ERO Drill Participation



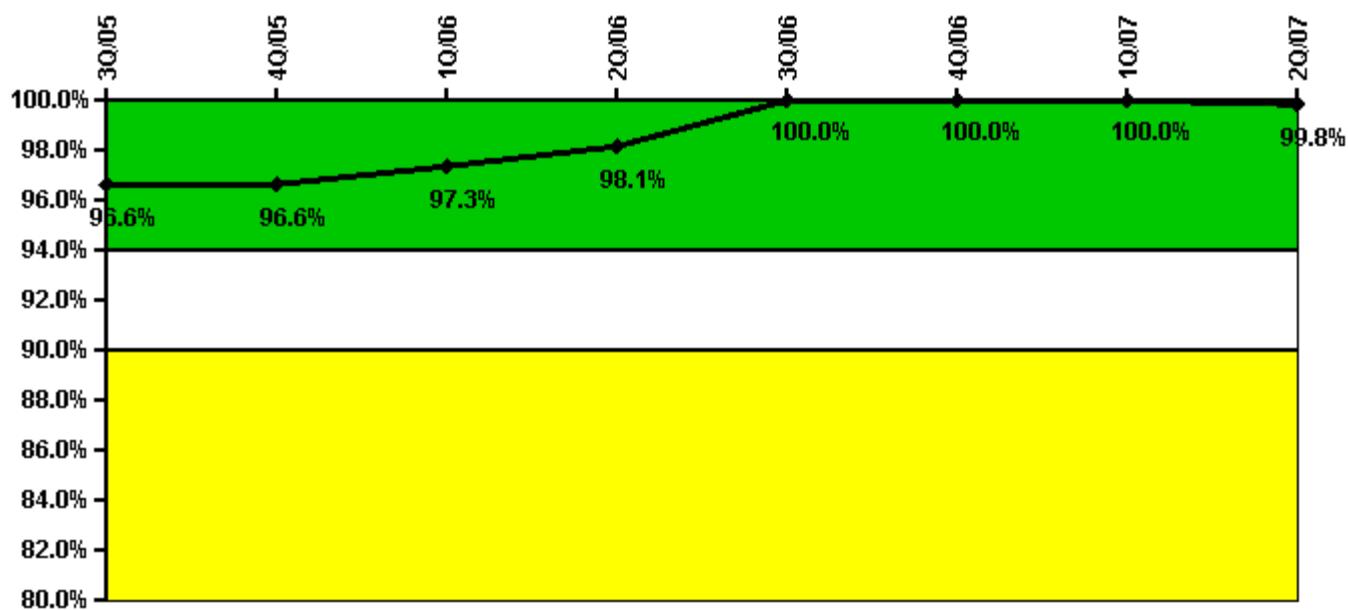
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Participating Key personnel	121.0	118.0	113.0	117.0	118.0	121.0	115.0	111.0
Total Key personnel	121.0	118.0	113.0	117.0	118.0	121.0	115.0	112.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	99.1%

Licensee Comments: none

Alert & Notification System



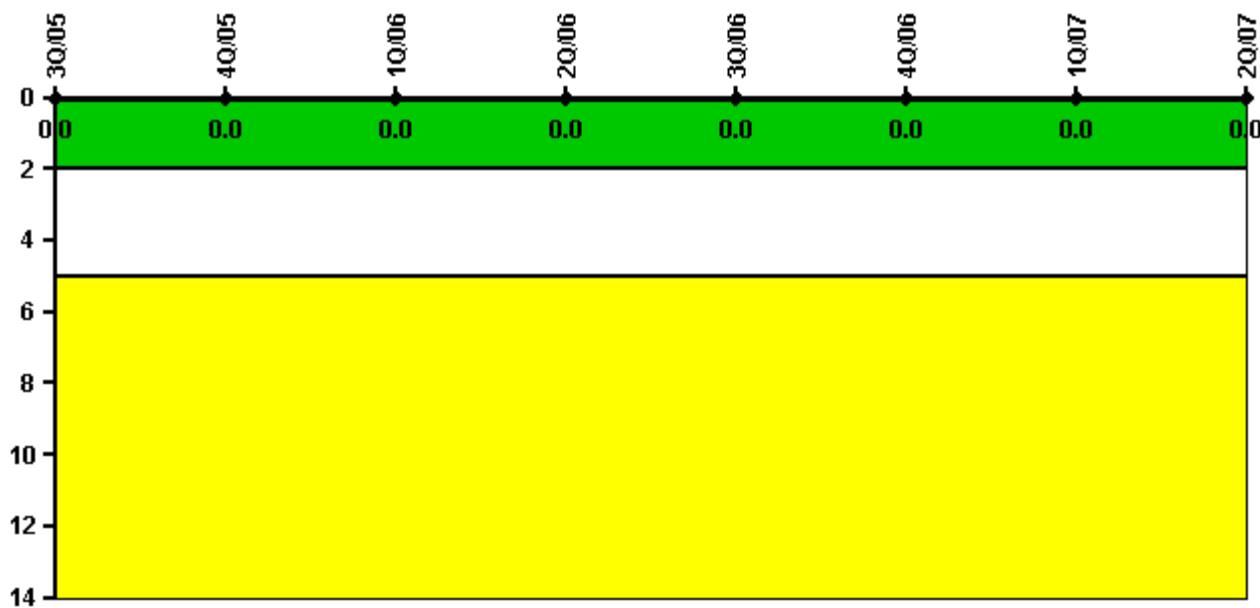
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful siren-tests	136	147	147	147	147	147	147	146
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	96.6%	96.6%	97.3%	98.1%	100.0%	100.0%	100.0%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



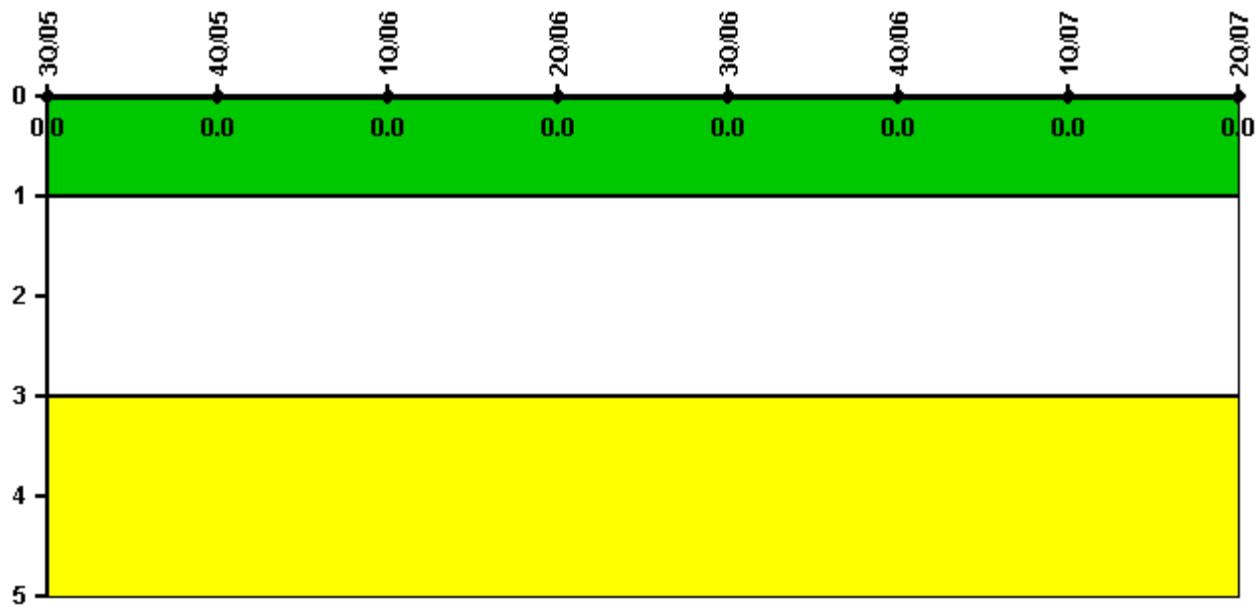
Thresholds: White > 2.0 Yellow > 5.0

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

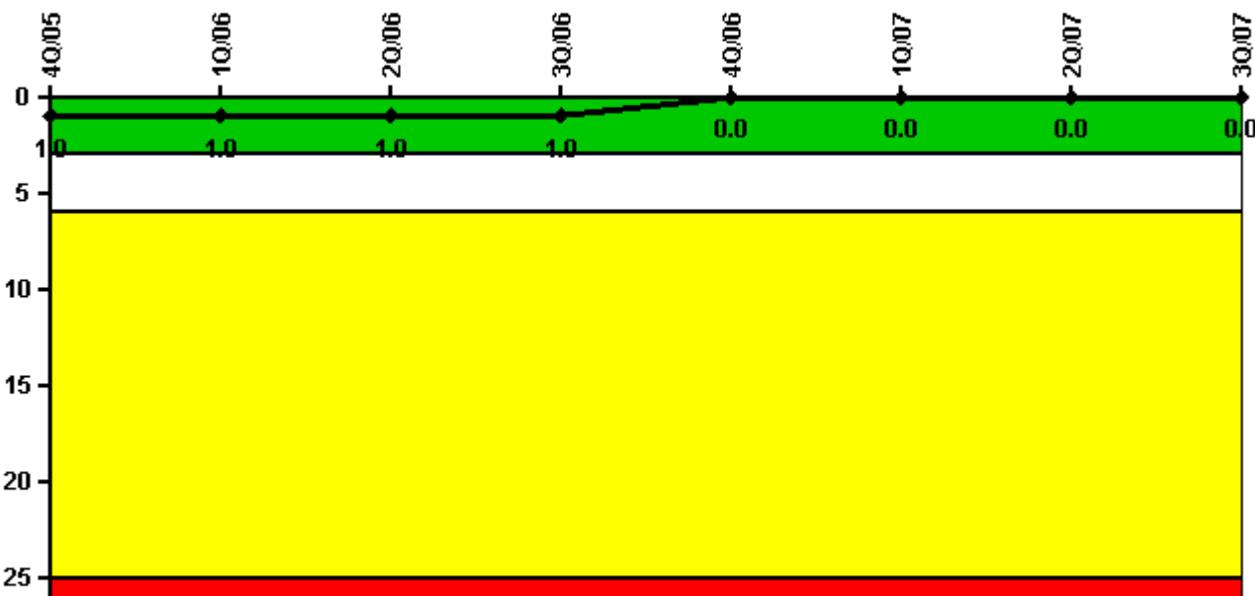
[Physical Protection](#) information not publicly available.

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3Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



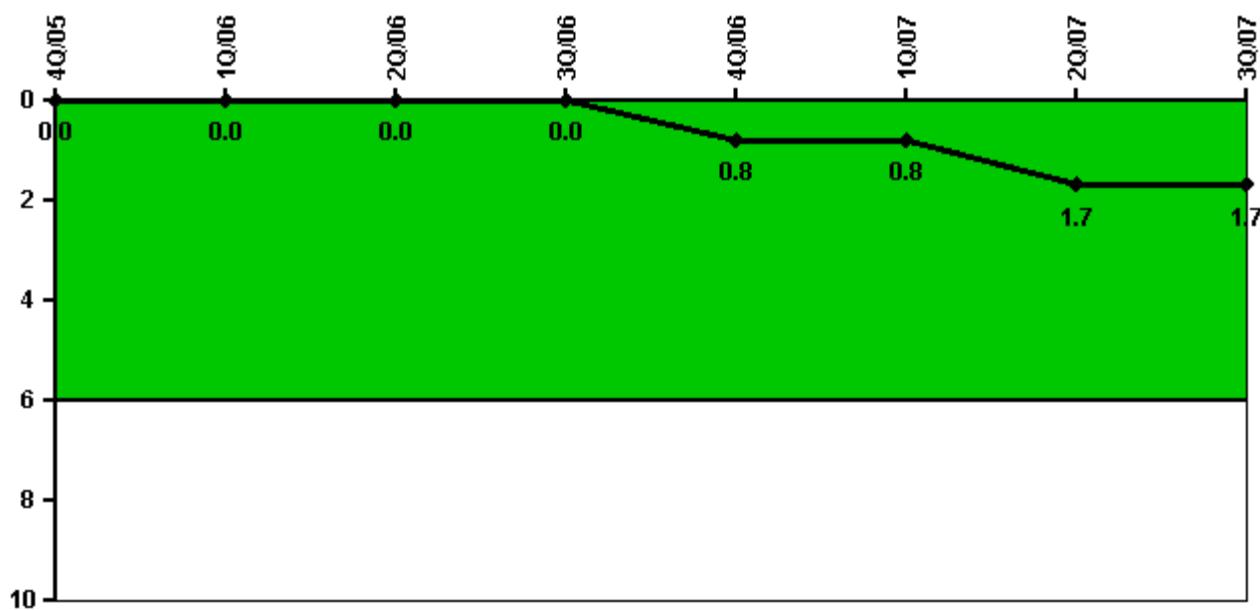
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	0	0	0
Critical hours	259.4	2160.0	2183.0	2208.0	2209.0	2159.0	1689.2	2208.0
Indicator value	1.0	1.0	1.0	1.0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



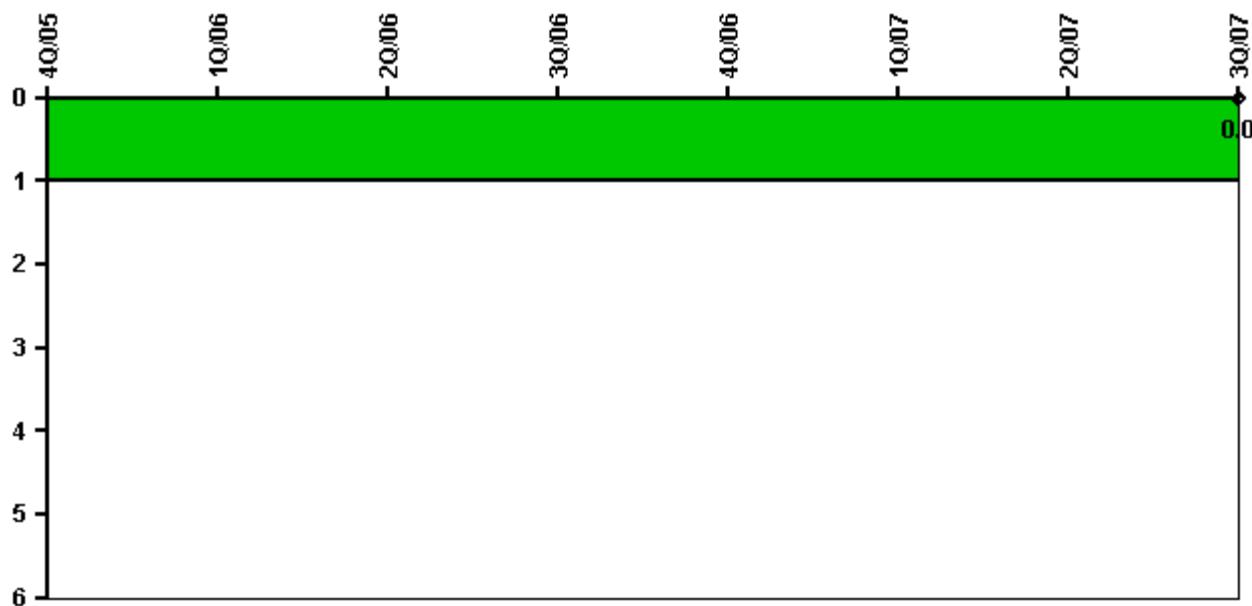
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned power changes	0	0	0	0	1.0	0	1.0	0
Critical hours	259.4	2160.0	2183.0	2208.0	2209.0	2159.0	1689.2	2208.0
Indicator value	0	0	0	0	0.8	0.8	1.7	1.7

Licensee Comments: none

Unplanned Scrams with Complications



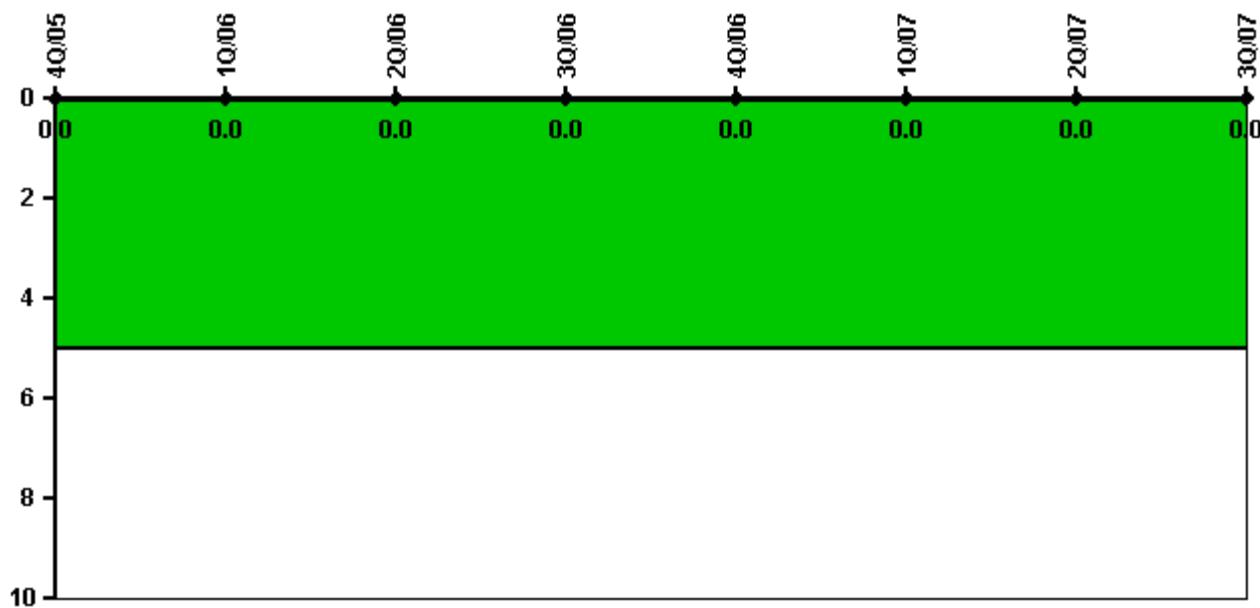
Thresholds: White > 1.0

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)



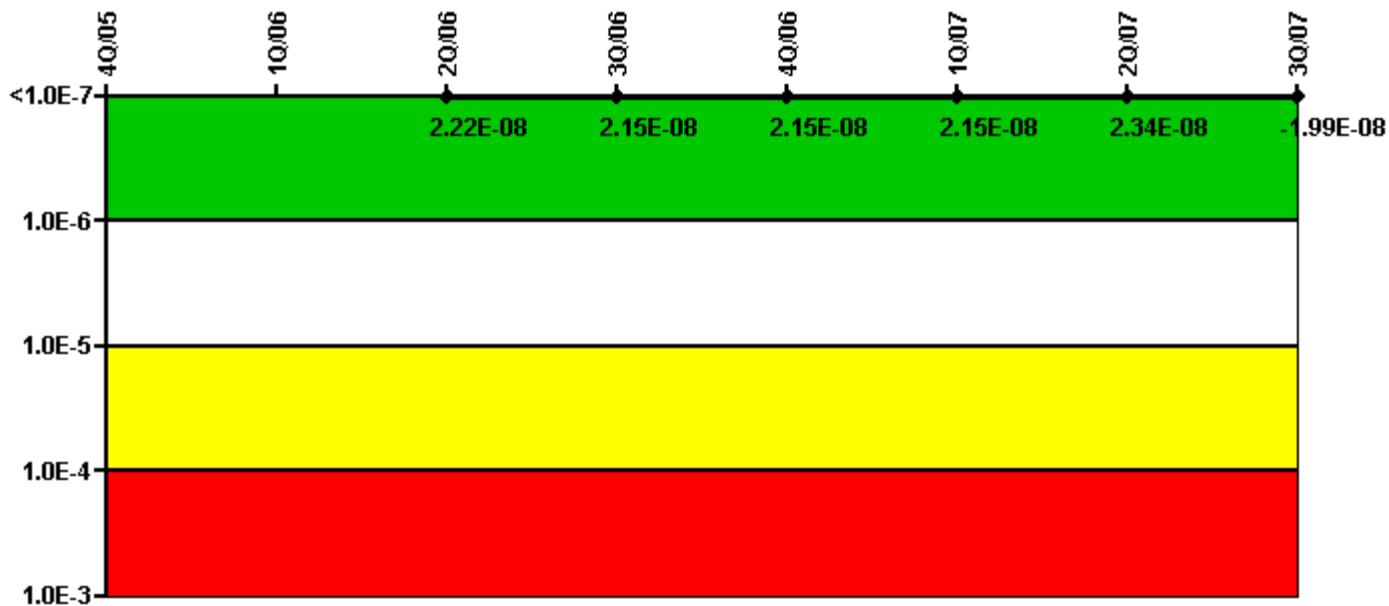
Thresholds: White > 5.0

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



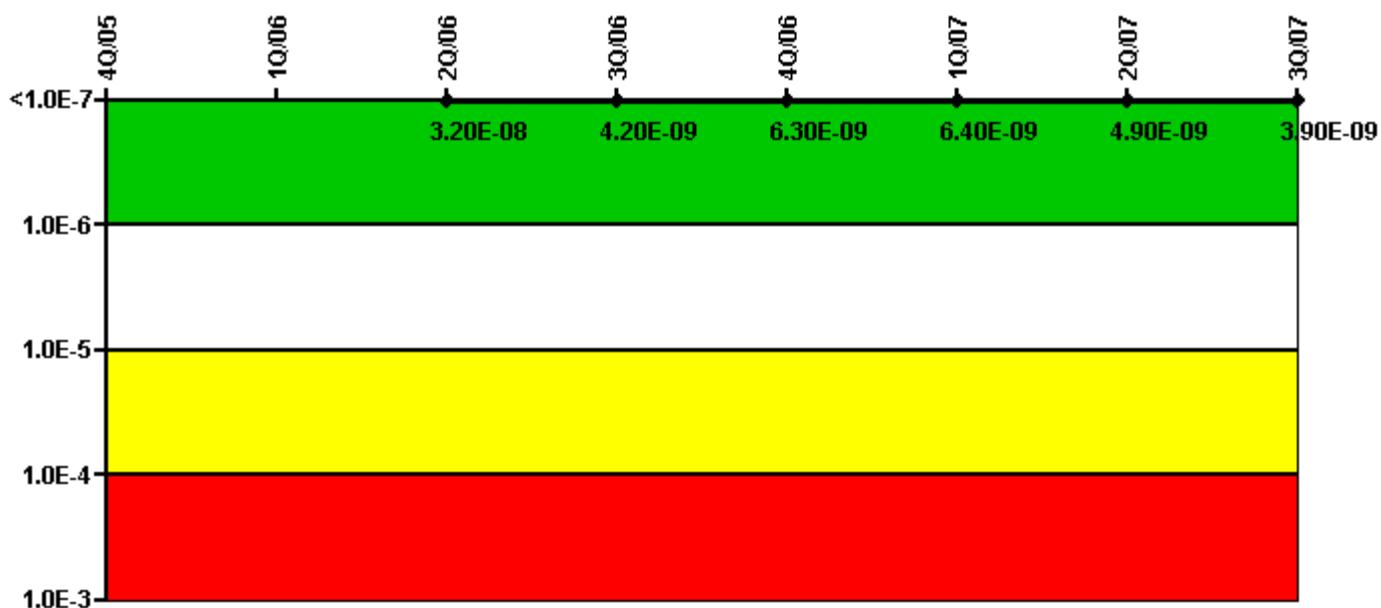
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF)			-1.80E-09	-2.50E-09	-2.50E-09	-2.50E-09	2.40E-09	1.10E-09
URI (Δ CDF)			2.40E-08	2.40E-08	2.40E-08	2.40E-08	2.10E-08	-2.10E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			2.22E-08	2.15E-08	2.15E-08	2.15E-08	2.34E-08	-1.99E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



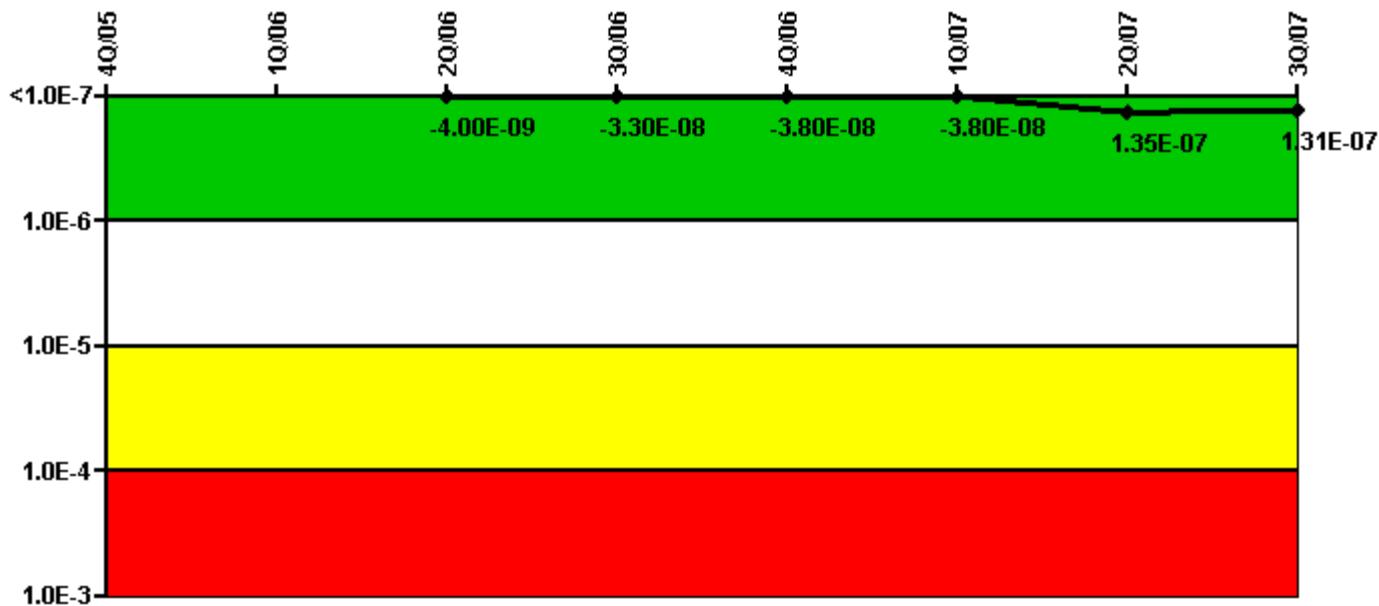
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (Δ CDF)			1.70E-08	-7.80E-09	-5.70E-09	-5.60E-09	-7.10E-09	-8.10E-09
URI (Δ CDF)			1.50E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			3.20E-08	4.20E-09	6.30E-09	6.40E-09	4.90E-09	3.90E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



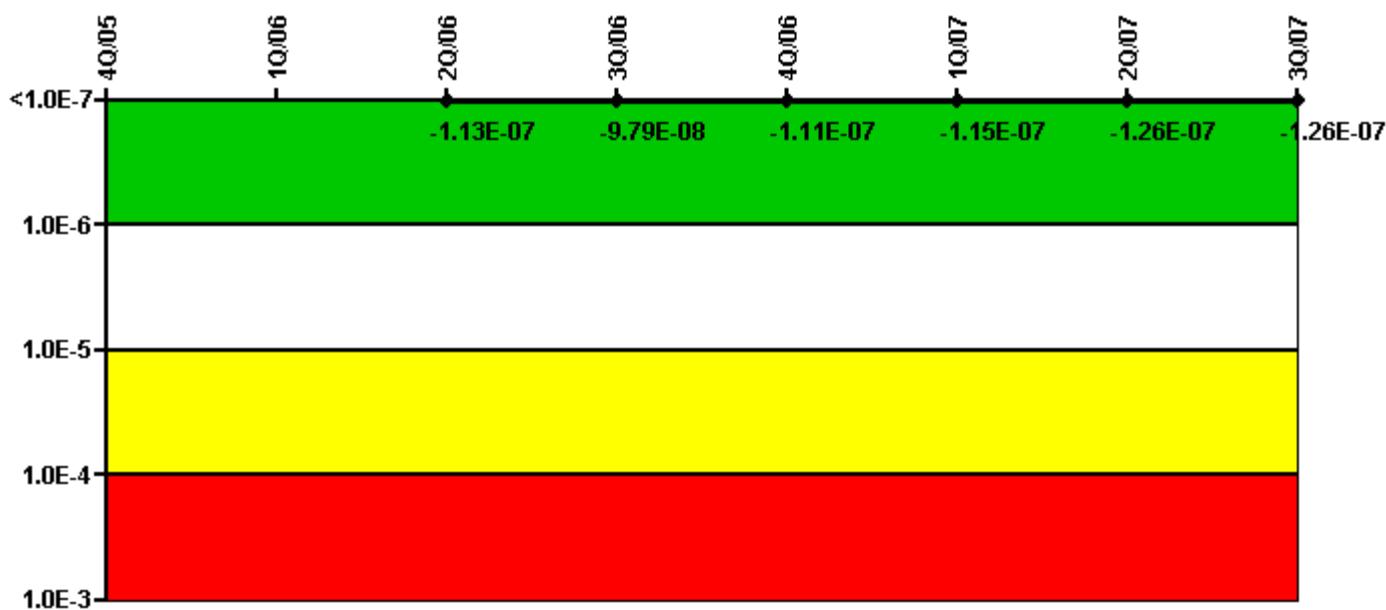
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (Δ CDF)				7.50E-08	4.20E-08	3.80E-08	3.80E-08	8.30E-08
URI (Δ CDF)				-7.90E-08	-7.50E-08	-7.60E-08	-7.60E-08	5.20E-08
PLE				NO	NO	NO	NO	NO
Indicator value				-4.00E-09	-3.30E-08	-3.80E-08	-3.80E-08	1.35E-07
								1.31E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



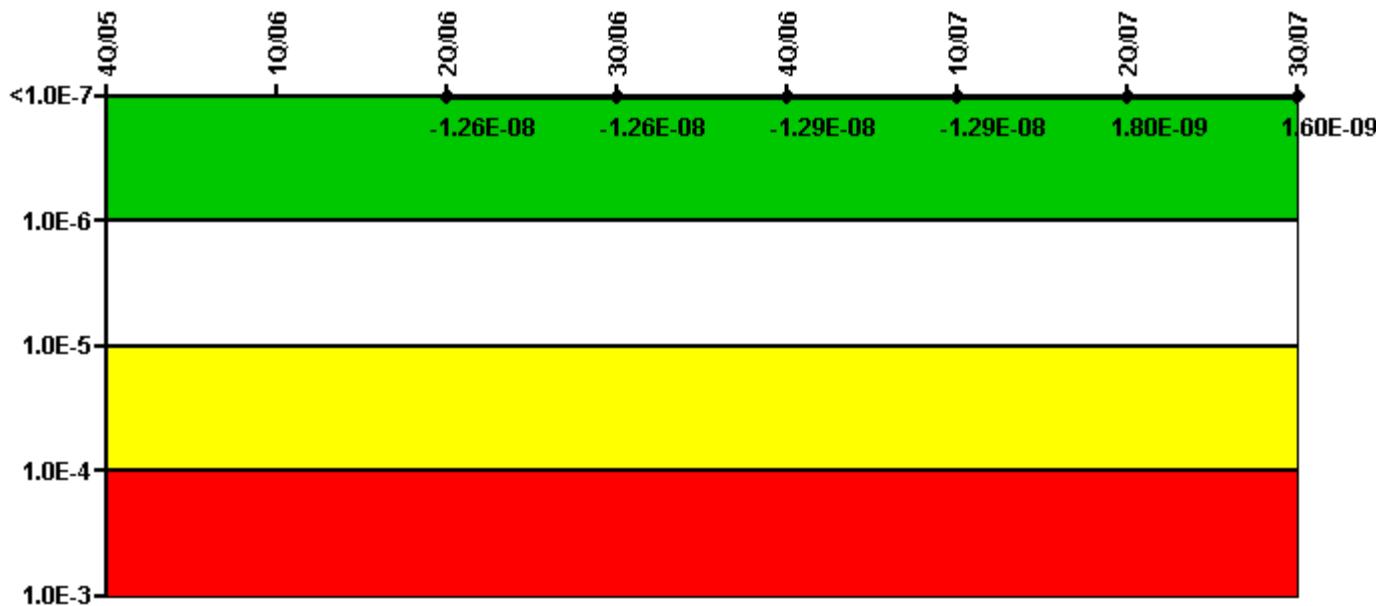
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (Δ CDF)			-1.30E-08	2.10E-09	-1.10E-08	-1.50E-08	-1.60E-08	-1.60E-08
URI (Δ CDF)			-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.10E-07	-1.10E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			-1.13E-07	-9.79E-08	-1.11E-07	-1.15E-07	-1.26E-07	-1.26E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



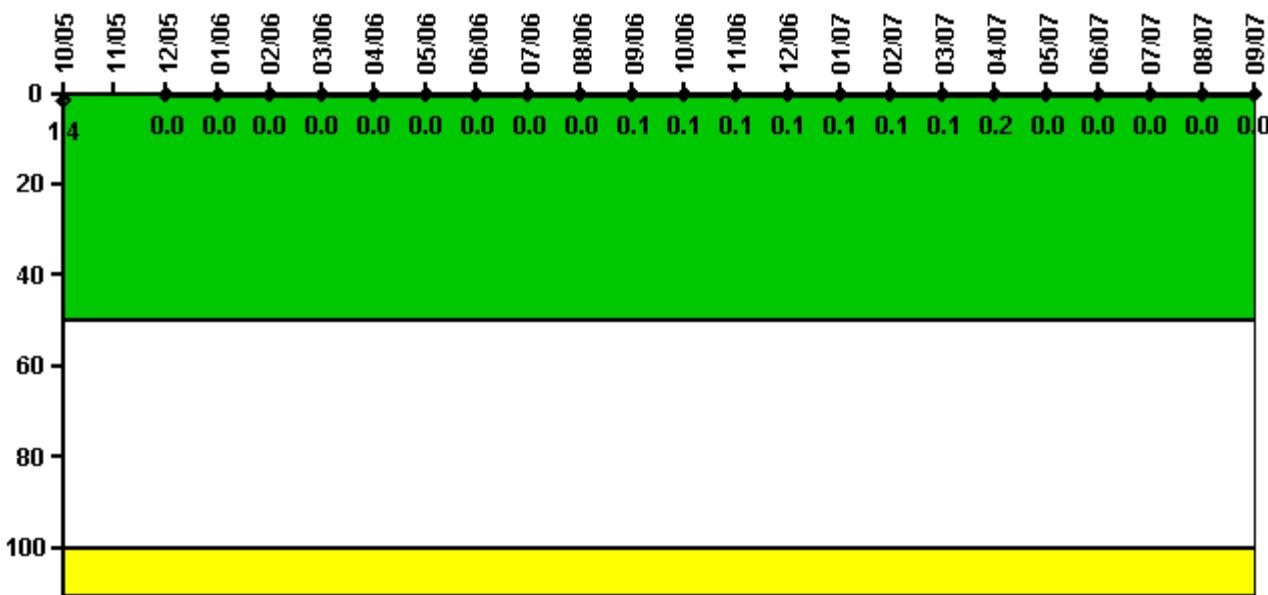
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (Δ CDF)			-6.30E-10	-6.40E-10	-8.50E-10	-9.40E-10	-1.50E-09	-1.50E-09
URI (Δ CDF)			-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	3.30E-09	3.10E-09
PLE			NO	NO	NO	NO	NO	NO
Indicator value			-1.26E-08	-1.26E-08	-1.29E-08	-1.29E-08	1.80E-09	1.60E-09

Licensee Comments: none

Reactor Coolant System Activity



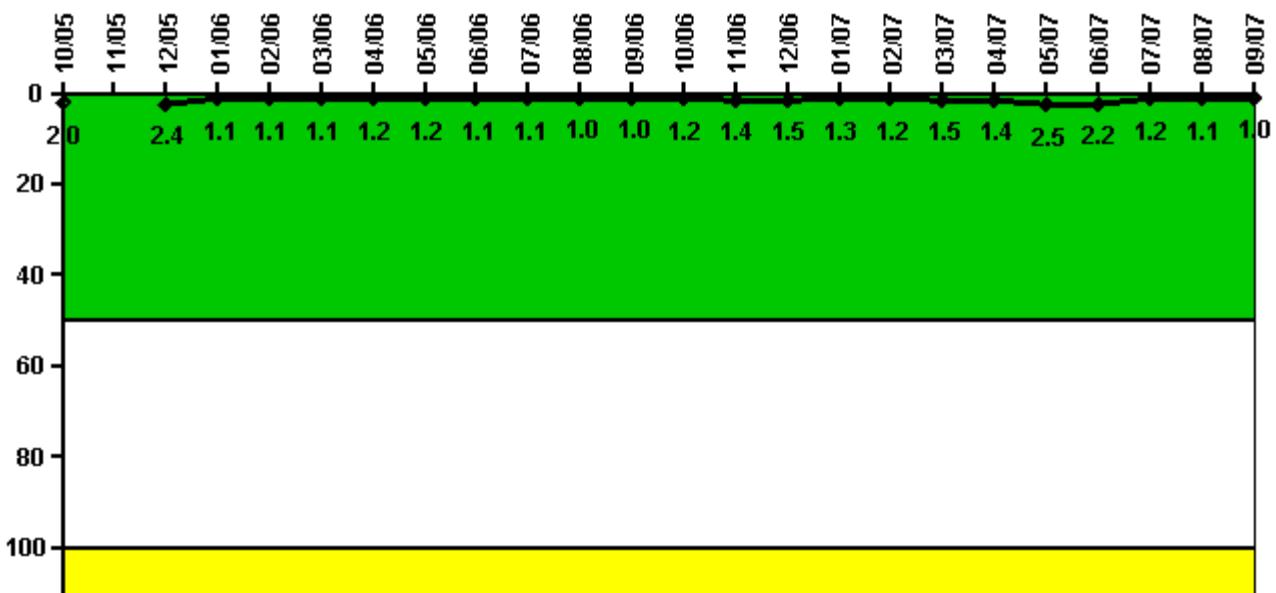
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity		10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum activity		0.049600	N/A	0.001050	0.001430	0.001480	0.001470	0.001610	0.001600	0.001710	0.001690	0.001720	0.001990
Technical specification limit		3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value		1.4	N/A	0	0	0	0	0	0	0	0	0	0.1
Reactor Coolant System Activity		10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum activity		0.001970	0.002270	0.002270	0.002370	0.002400	0.002310	0.005490	0.000703	0.000797	0.000789	0.000852	0.000894
Technical specification limit		3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value		0.1	0.1	0.1	0.1	0.1	0.1	0.2	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

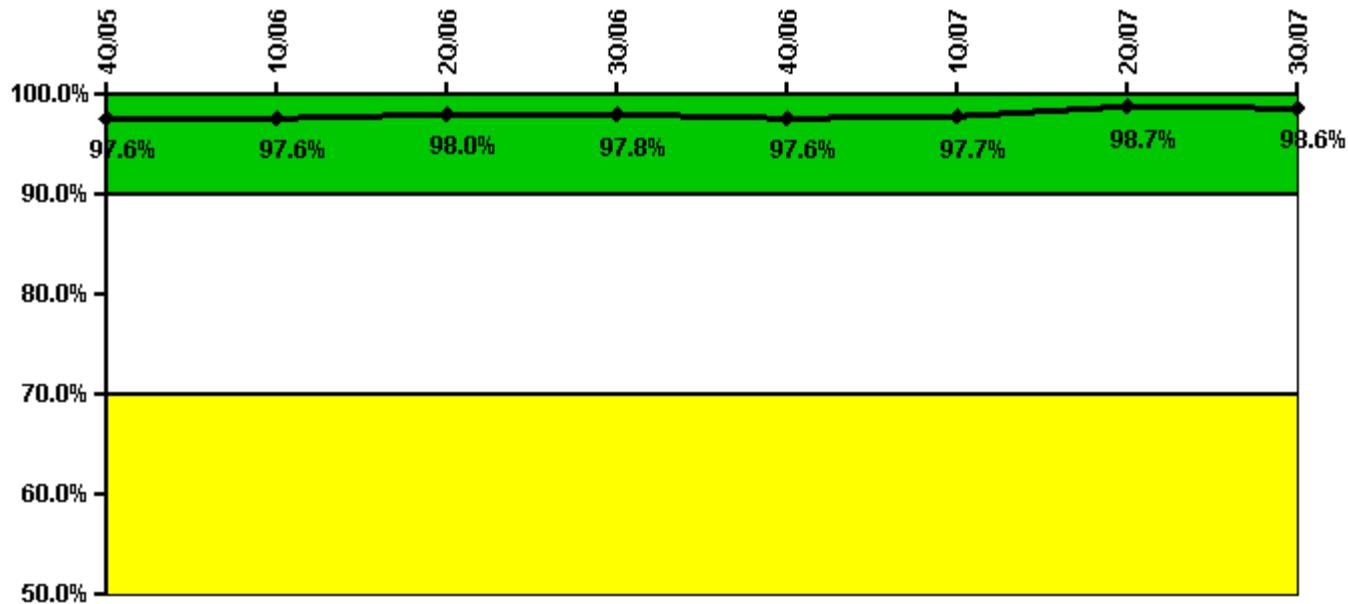
Notes

Reactor Coolant System Leakage	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	0.195	N/A	0.237	0.106	0.107	0.112	0.117	0.119	0.111	0.109	0.101	0.099
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	2.4	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.0	1.0
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	0.116	0.138	0.149	0.129	0.120	0.151	0.135	0.252	0.220	0.119	0.113	0.102
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	1.4	1.5	1.3	1.2	1.5	1.4	2.5	2.2	1.2	1.1	1.0

Licensee Comments:

9/07: Total leakage is being reported in lieu of identified leakage.

Drill/Exercise Performance



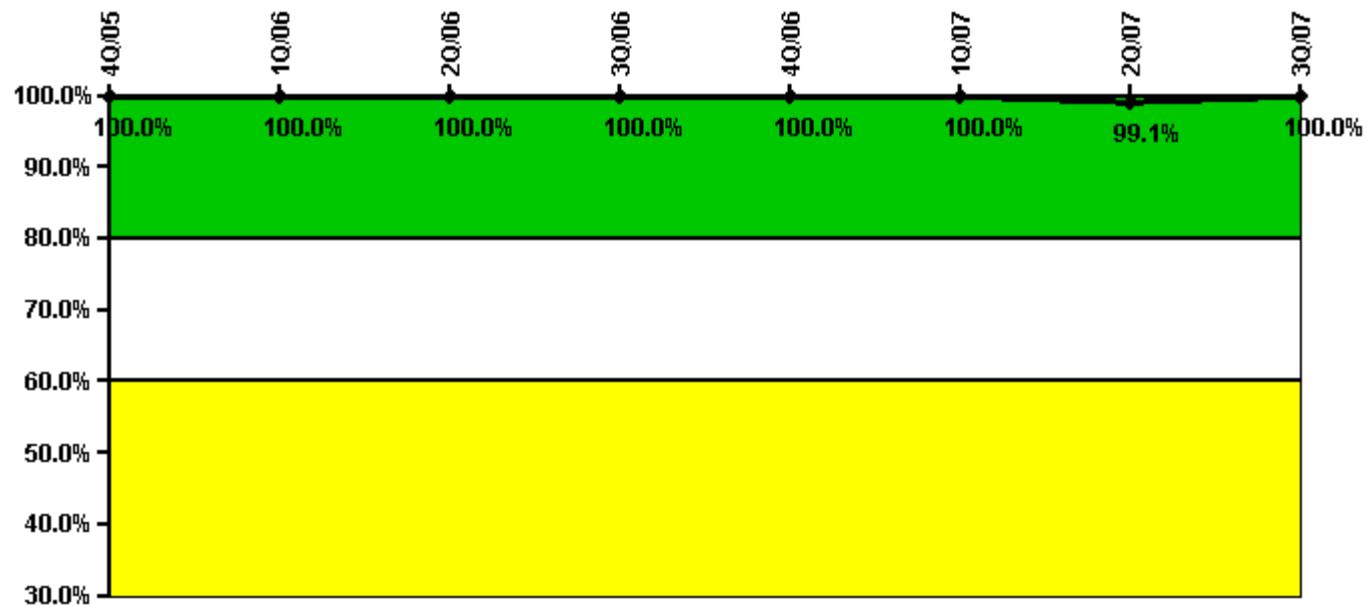
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful opportunities	2.0	11.0	52.0	10.0	17.0	7.0	23.0	21.0
Total opportunities	2.0	11.0	53.0	10.0	17.0	7.0	23.0	22.0
Indicator value	97.6%	97.6%	98.0%	97.8%	97.6%	97.7%	98.7%	98.6%

Licensee Comments: none

ERO Drill Participation



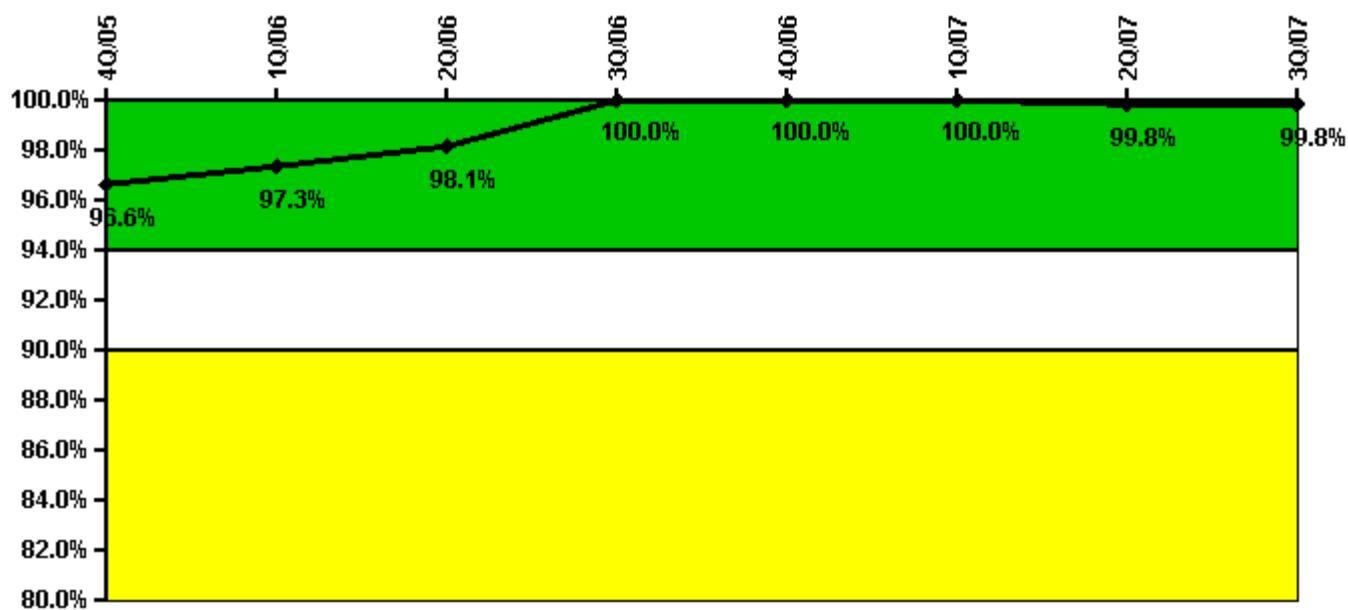
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Participating Key personnel	118.0	113.0	117.0	118.0	121.0	115.0	111.0	107.0
Total Key personnel	118.0	113.0	117.0	118.0	121.0	115.0	112.0	107.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	99.1%	100.0%

Licensee Comments: none

Alert & Notification System



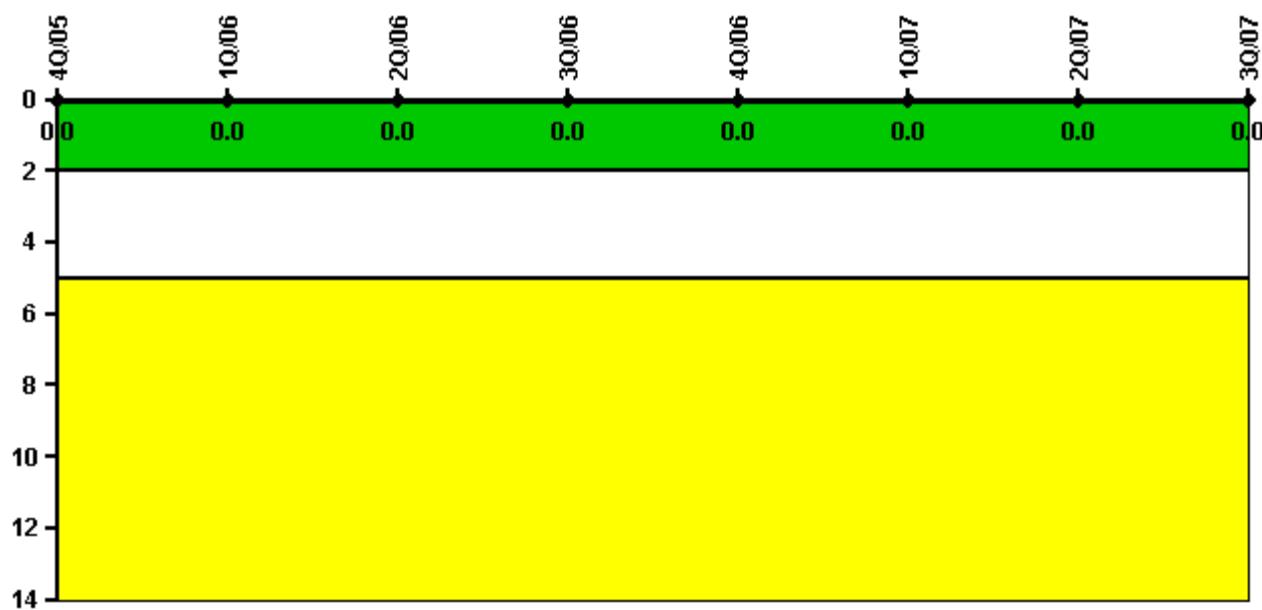
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful siren-tests	147	147	147	147	147	147	146	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	96.6%	97.3%	98.1%	100.0%	100.0%	100.0%	99.8%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



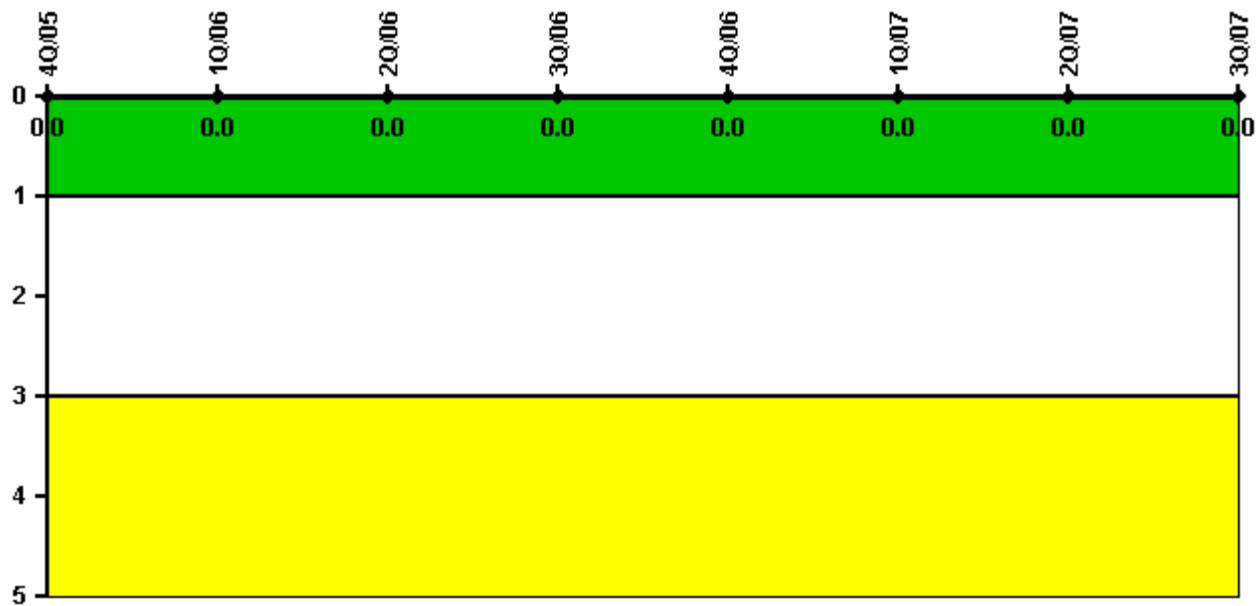
Thresholds: White > 2.0 Yellow > 5.0

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

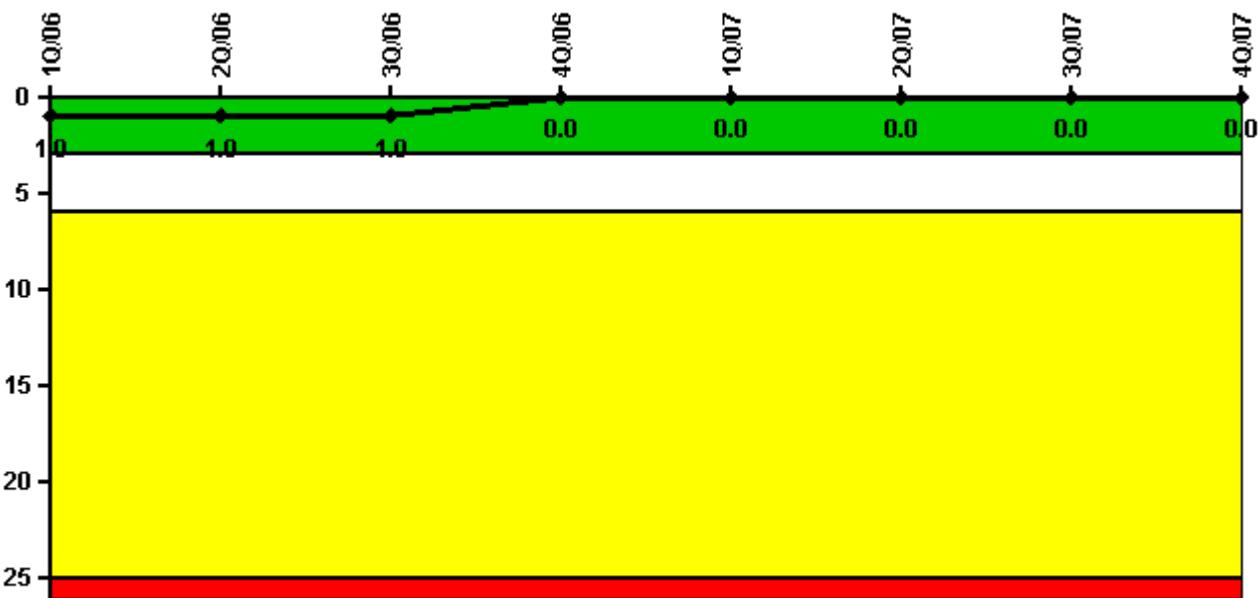
[Physical Protection](#) information not publicly available.

Arkansas Nuclear 1

4Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



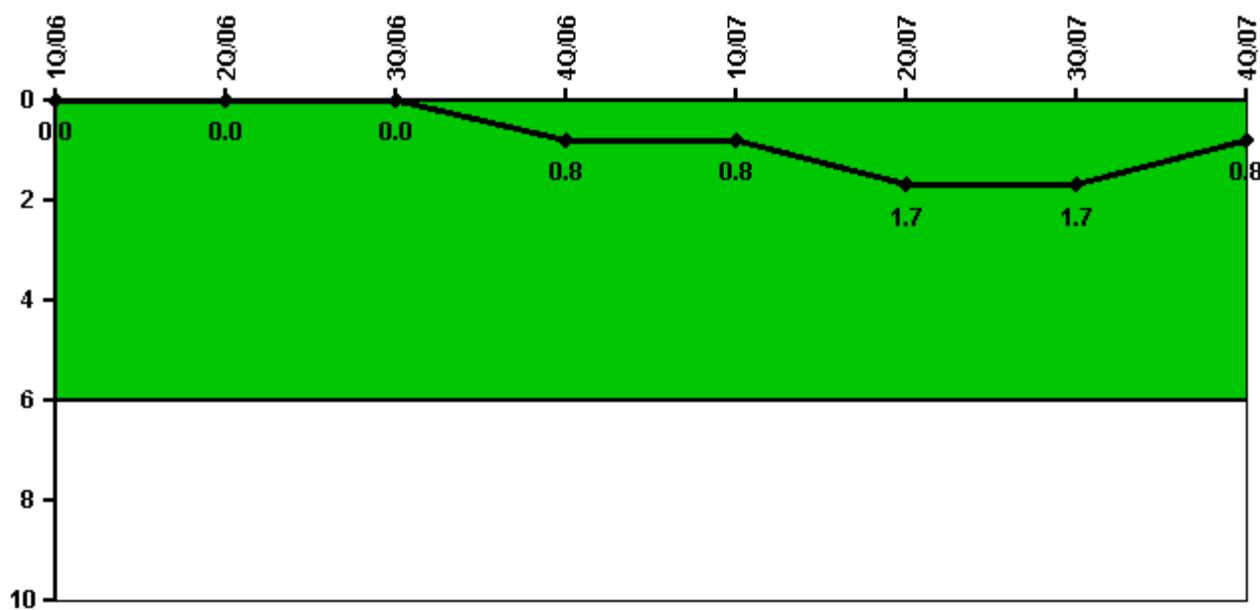
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	2159.0	1689.2	2208.0	2209.0
Indicator value	1.0	1.0	1.0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



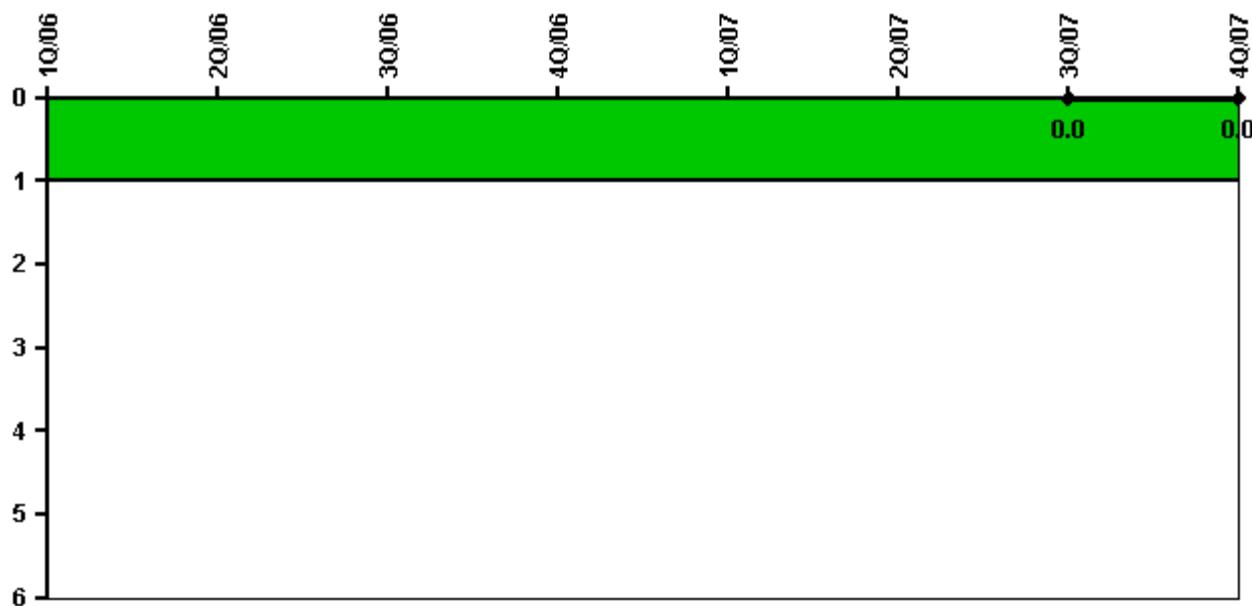
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned power changes	0	0	0	1.0	0	1.0	0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	2159.0	1689.2	2208.0	2209.0
Indicator value	0	0	0	0.8	0.8	1.7	1.7	0.8

Licensee Comments: none

Unplanned Scrams with Complications



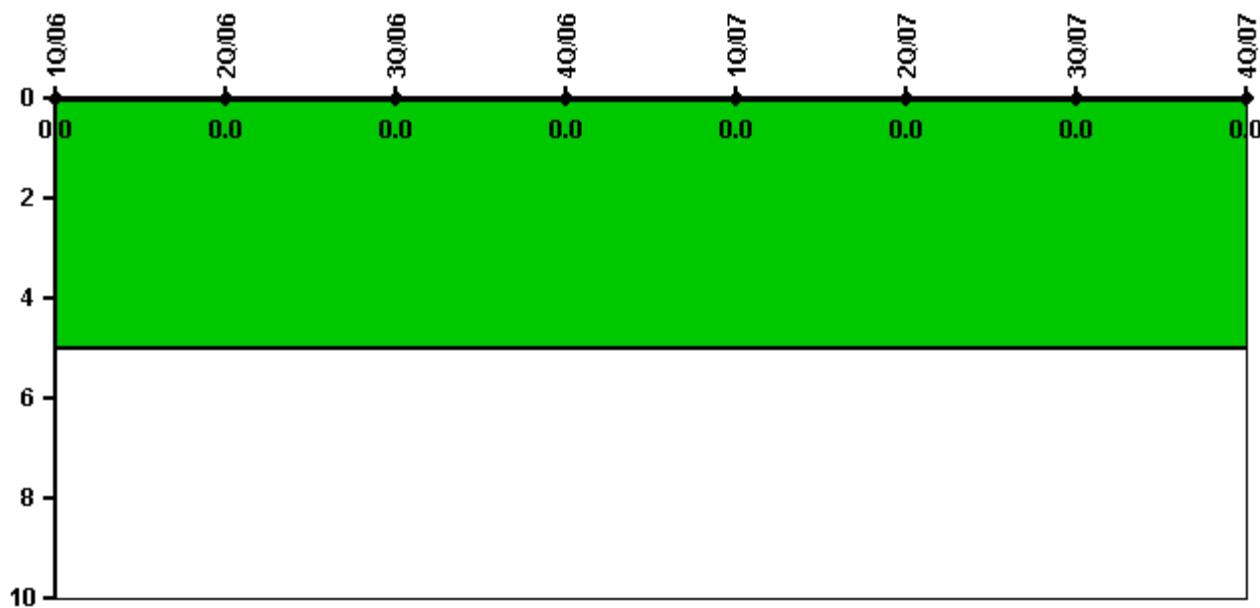
Thresholds: White > 1.0

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)



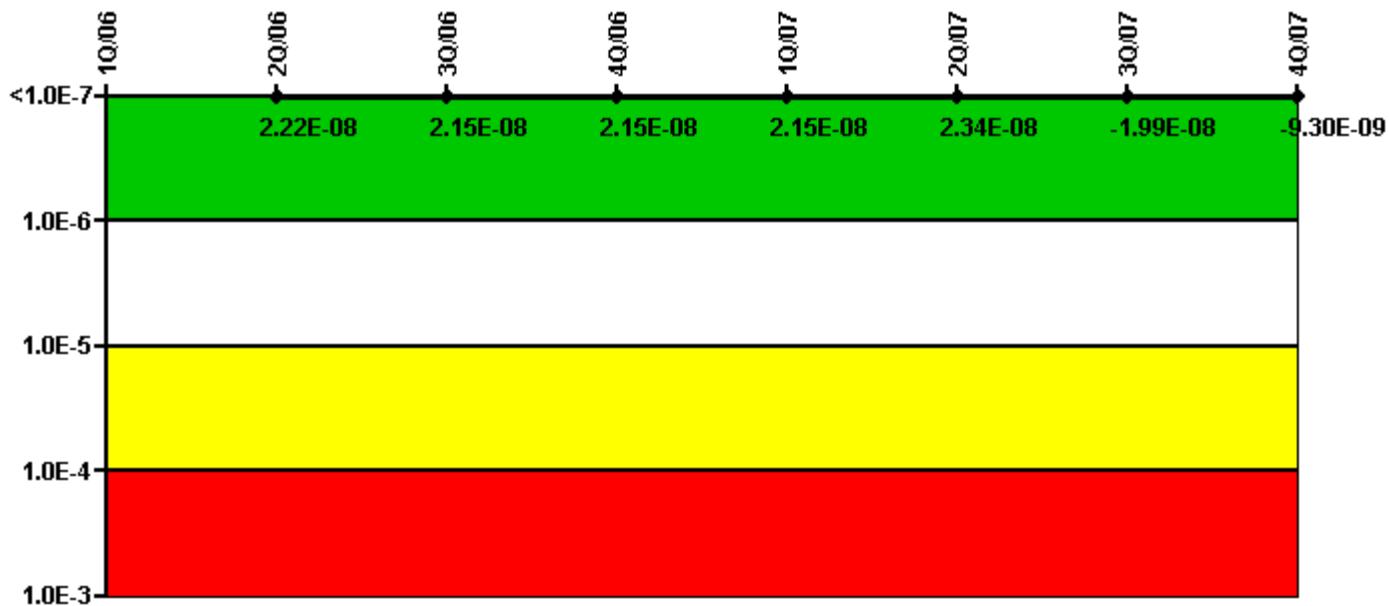
Thresholds: White > 5.0

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



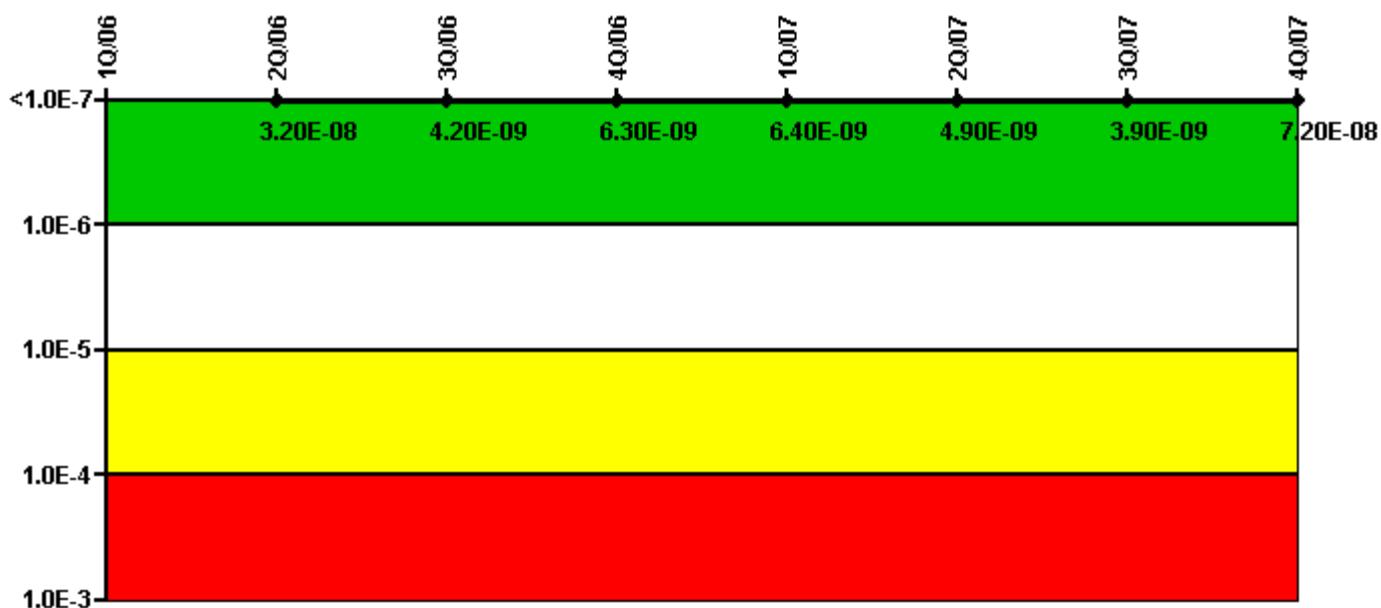
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)			-1.80E-09	-2.50E-09	-2.50E-09	-2.50E-09	2.40E-09	1.10E-09	1.70E-09
URI (Δ CDF)		2.40E-08	2.40E-08	2.40E-08	2.40E-08	2.10E-08	-2.10E-08	-1.10E-08	
PLE		NO	NO	NO	NO	NO	NO	NO	
Indicator value		2.22E-08	2.15E-08	2.15E-08	2.15E-08	2.34E-08	-1.99E-08	-9.30E-09	

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



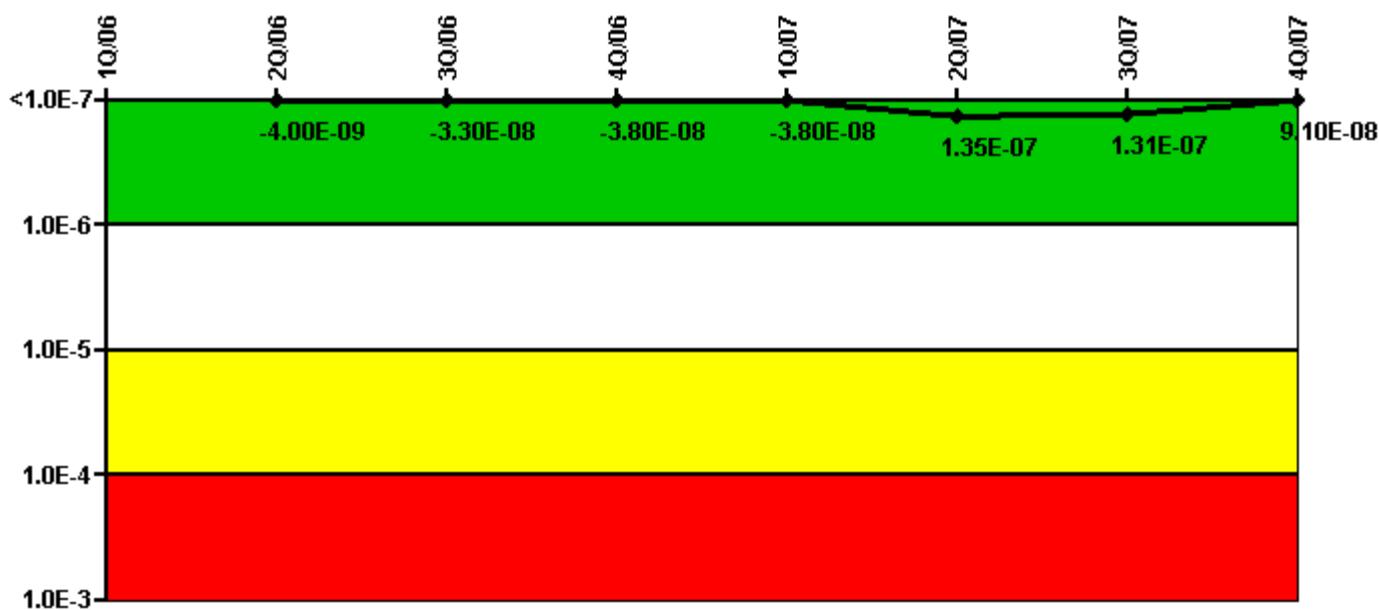
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		1.70E-08	-7.80E-09	-5.70E-09	-5.60E-09	-7.10E-09	-8.10E-09	6.00E-08
URI (Δ CDF)		1.50E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		3.20E-08	4.20E-09	6.30E-09	6.40E-09	4.90E-09	3.90E-09	7.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



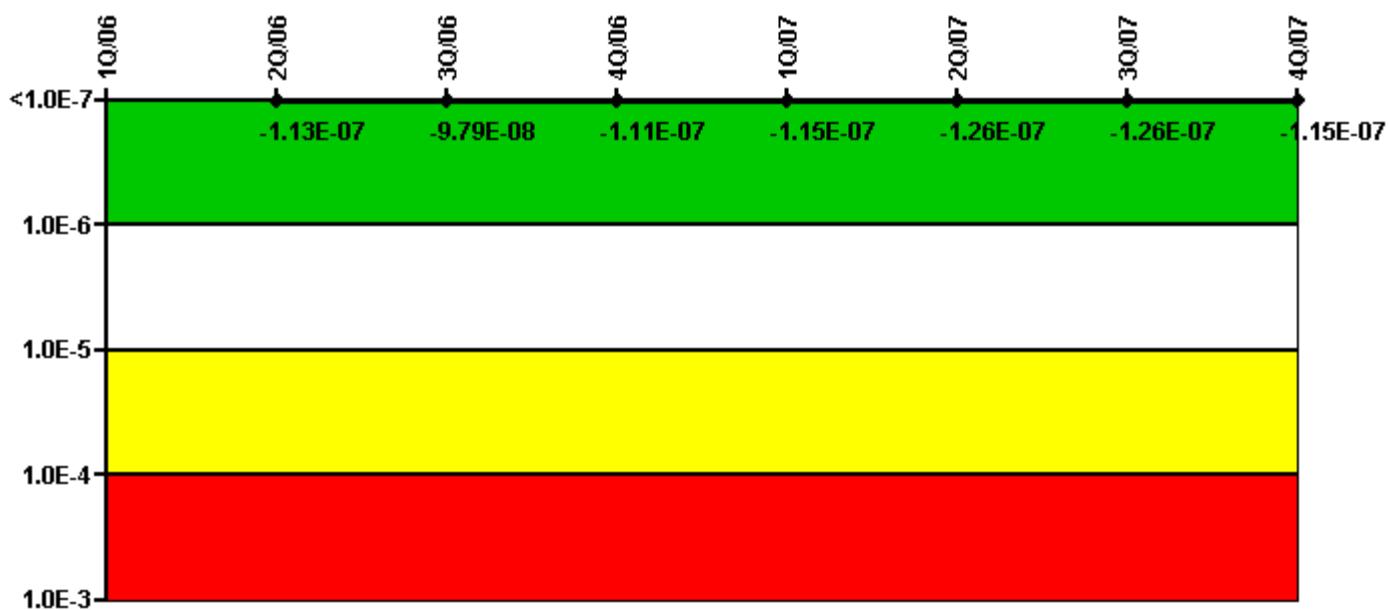
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		7.50E-08	4.20E-08	3.80E-08	3.80E-08	8.30E-08	7.70E-08	3.20E-08
URI (Δ CDF)		-7.90E-08	-7.50E-08	-7.60E-08	-7.60E-08	5.20E-08	5.40E-08	5.90E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		-4.00E-09	-3.30E-08	-3.80E-08	-3.80E-08	1.35E-07	1.31E-07	9.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



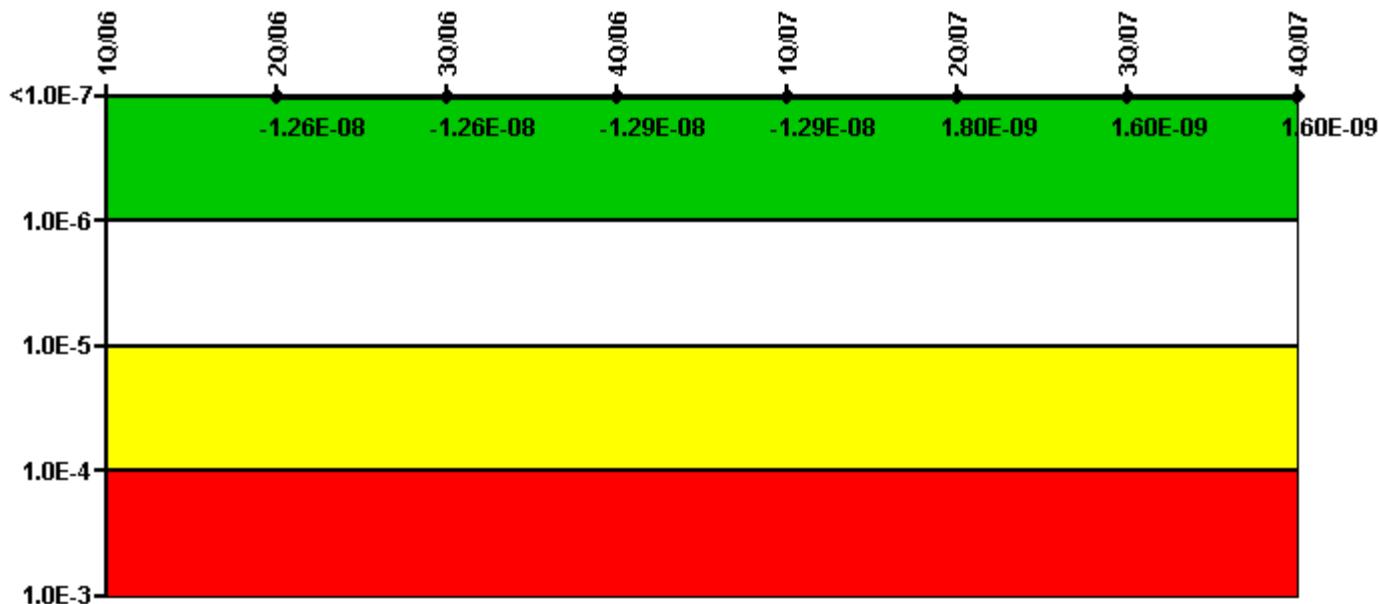
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		-1.30E-08	2.10E-09	-1.10E-08	-1.50E-08	-1.60E-08	-1.60E-08	-4.80E-09
URI (Δ CDF)		-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.10E-07	-1.10E-07	-1.10E-07
PLE		NO						
Indicator value		-1.13E-07	-9.79E-08	-1.11E-07	-1.15E-07	-1.26E-07	-1.26E-07	-1.15E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



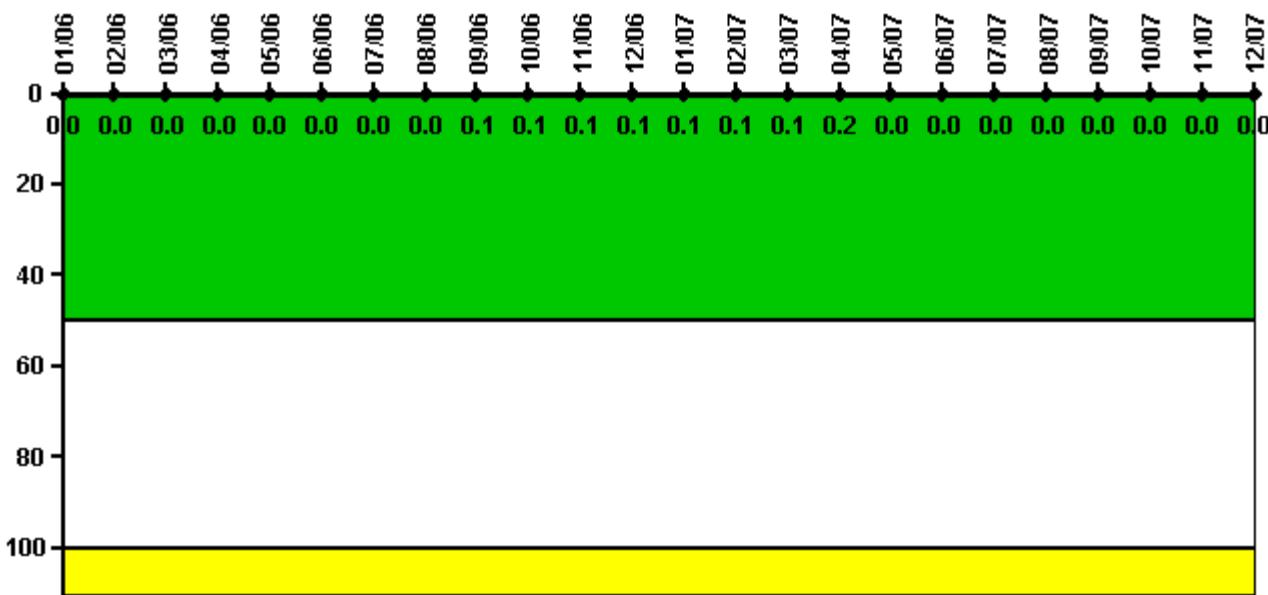
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (Δ CDF)		-6.30E-10	-6.40E-10	-8.50E-10	-9.40E-10	-1.50E-09	-1.50E-09	-1.70E-09
URI (Δ CDF)		-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	3.30E-09	3.10E-09	3.30E-09
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		-1.26E-08	-1.26E-08	-1.29E-08	-1.29E-08	1.80E-09	1.60E-09	1.60E-09

Licensee Comments: none

Reactor Coolant System Activity



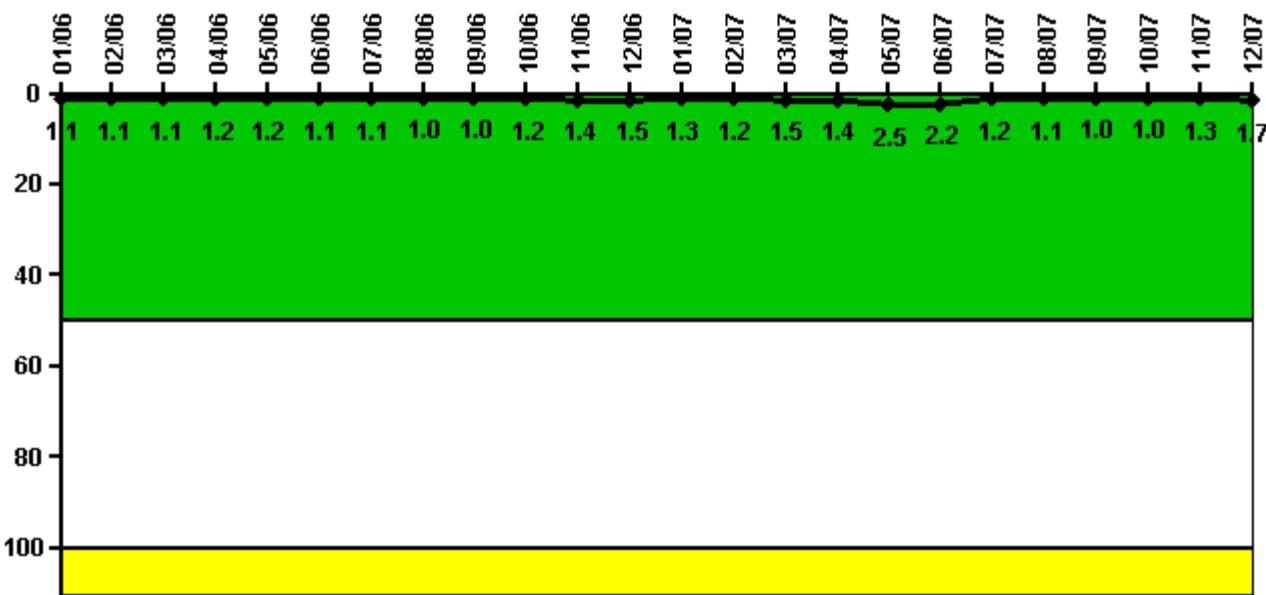
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum activity	0.001430	0.001480	0.001470	0.001610	0.001600	0.001710	0.001690	0.001720	0.001990	0.001970	0.002270	0.002270
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1
Reactor Coolant System Activity	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum activity	0.002370	0.002400	0.002310	0.005490	0.000703	0.000797	0.000789	0.000852	0.000894	0.001160	0.001040	0.001060
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0.1	0.1	0.2	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

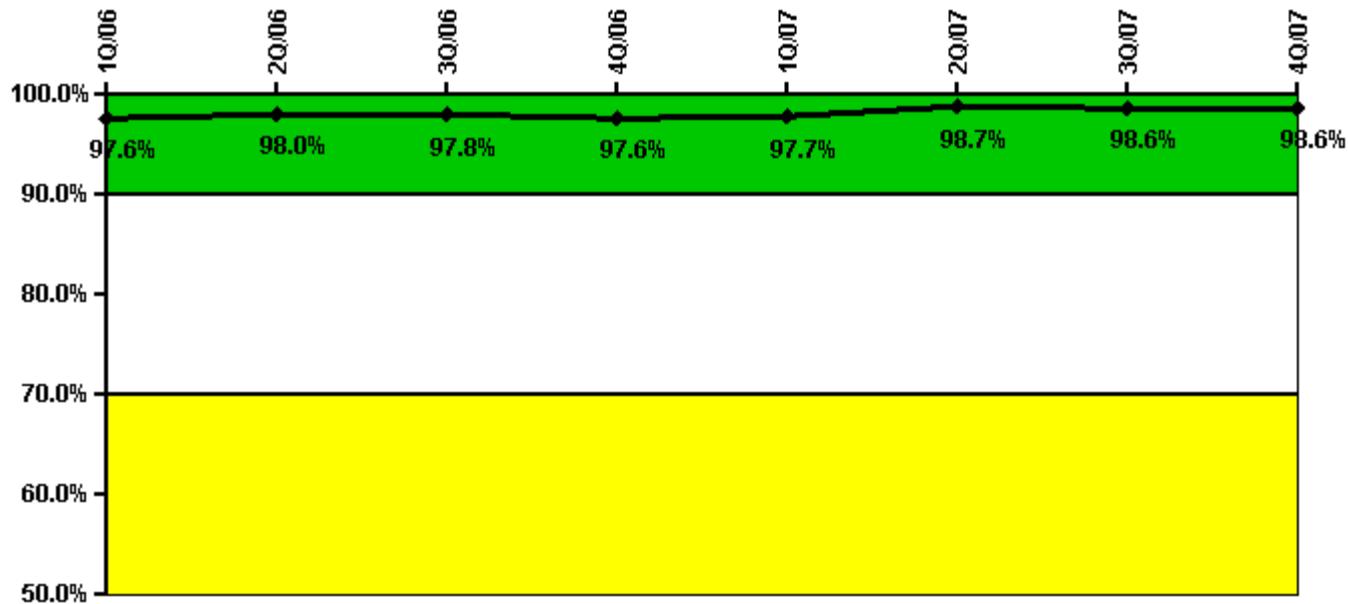
Notes

Reactor Coolant System Leakage	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	0.106	0.107	0.112	0.117	0.119	0.111	0.109	0.101	0.099	0.116	0.138	0.149
Indicator value	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.0	1.0	1.2	1.4	1.5
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	0.129	0.120	0.151	0.135	0.252	0.220	0.119	0.113	0.102	0.104	0.130	0.171
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	1.5	1.4	2.5	2.2	1.2	1.1	1.0	1.0	1.3	1.7

Licensee Comments:

12/07: Total Leakage is being reported in lieu of Identified Leakage.

Drill/Exercise Performance



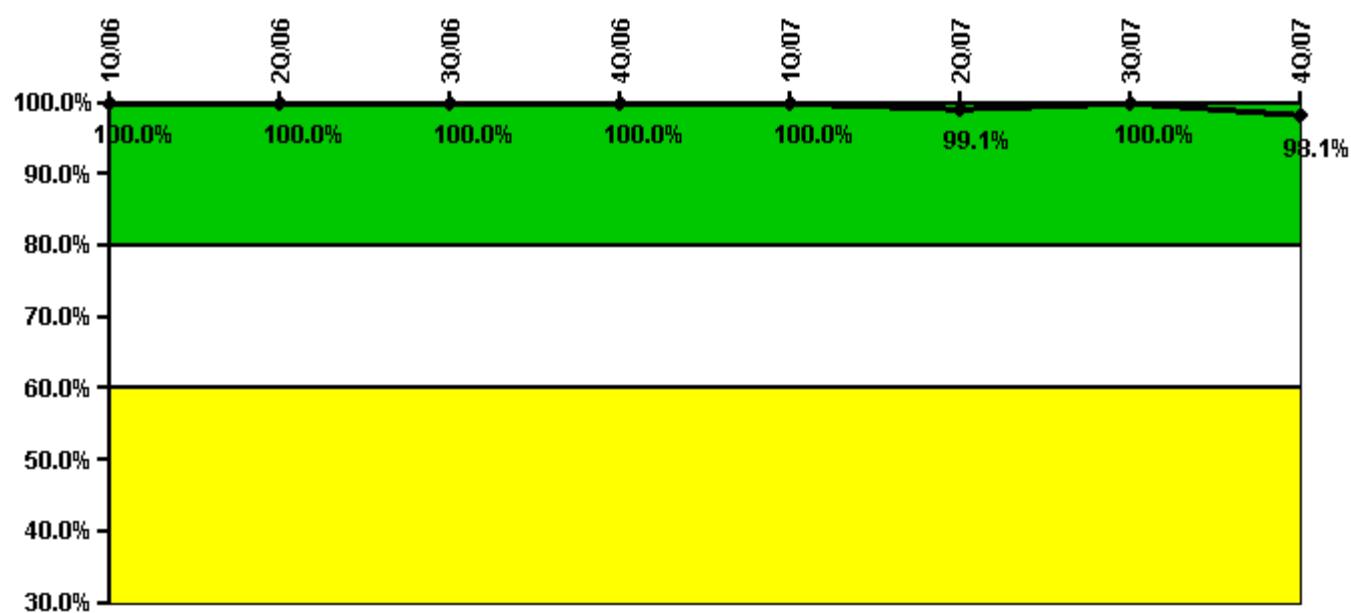
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful opportunities	11.0	52.0	10.0	17.0	7.0	23.0	21.0	4.0
Total opportunities	11.0	53.0	10.0	17.0	7.0	23.0	22.0	4.0
Indicator value	97.6%	98.0%	97.8%	97.6%	97.7%	98.7%	98.6%	98.6%

Licensee Comments: none

ERO Drill Participation



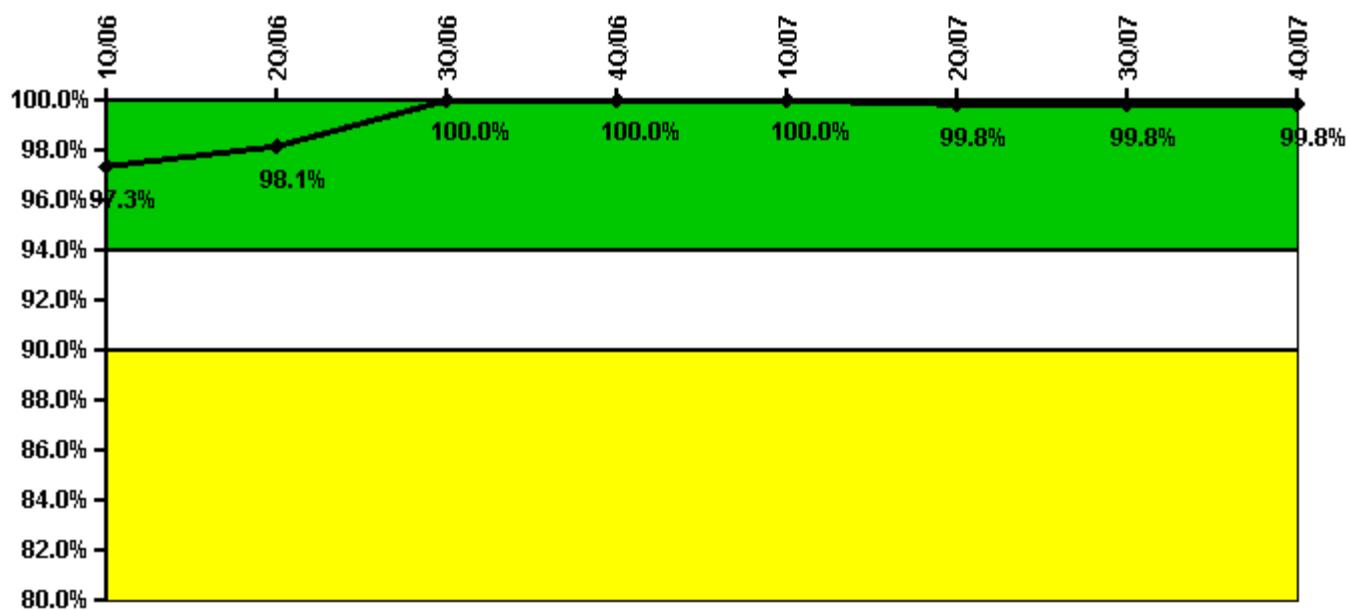
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Participating Key personnel	113.0	117.0	118.0	121.0	115.0	111.0	107.0	103.0
Total Key personnel	113.0	117.0	118.0	121.0	115.0	112.0	107.0	105.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	99.1%	100.0%	98.1%

Licensee Comments: none

Alert & Notification System



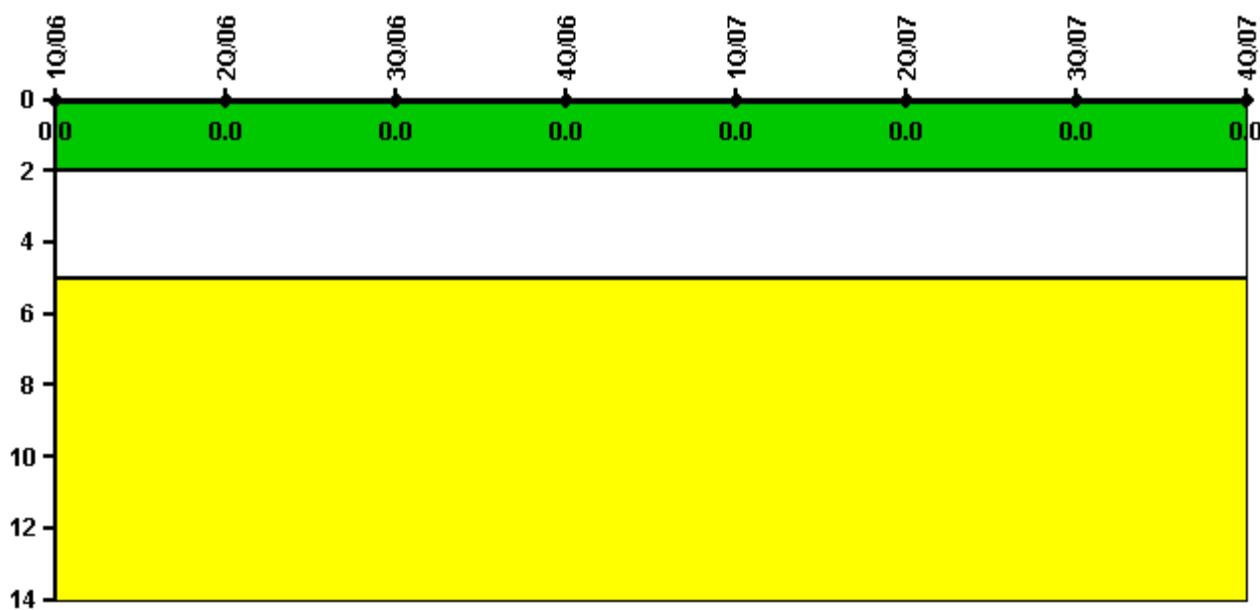
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful siren-tests	147	147	147	147	147	146	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	97.3%	98.1%	100.0%	100.0%	100.0%	99.8%	99.8%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



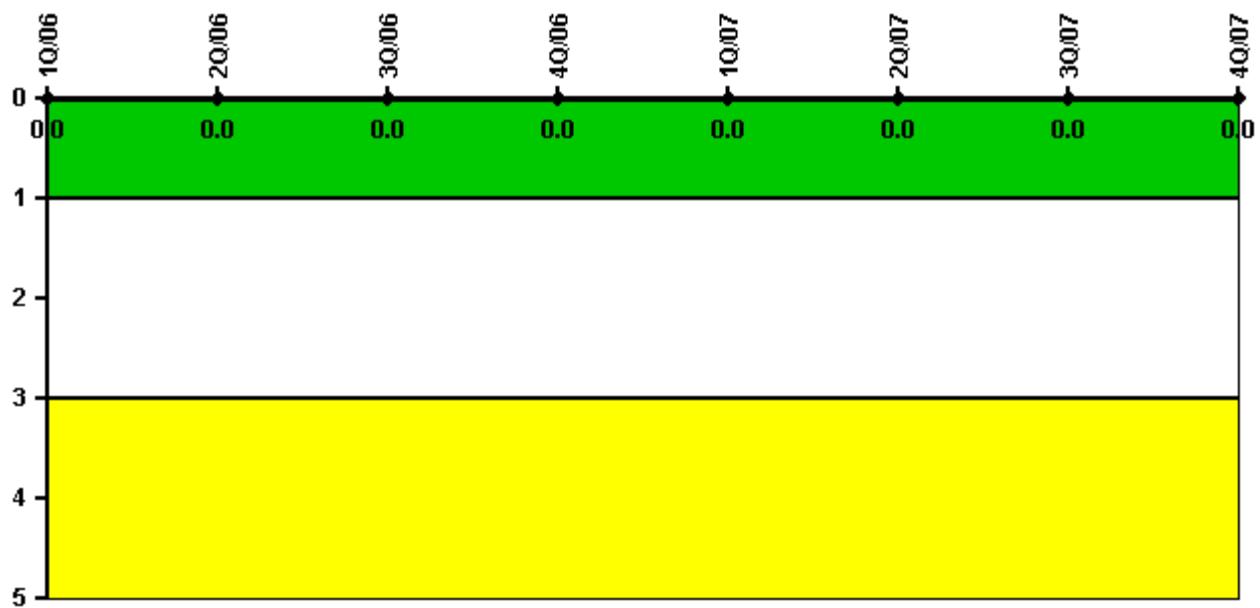
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/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.

Arkansas Nuclear 1

1Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



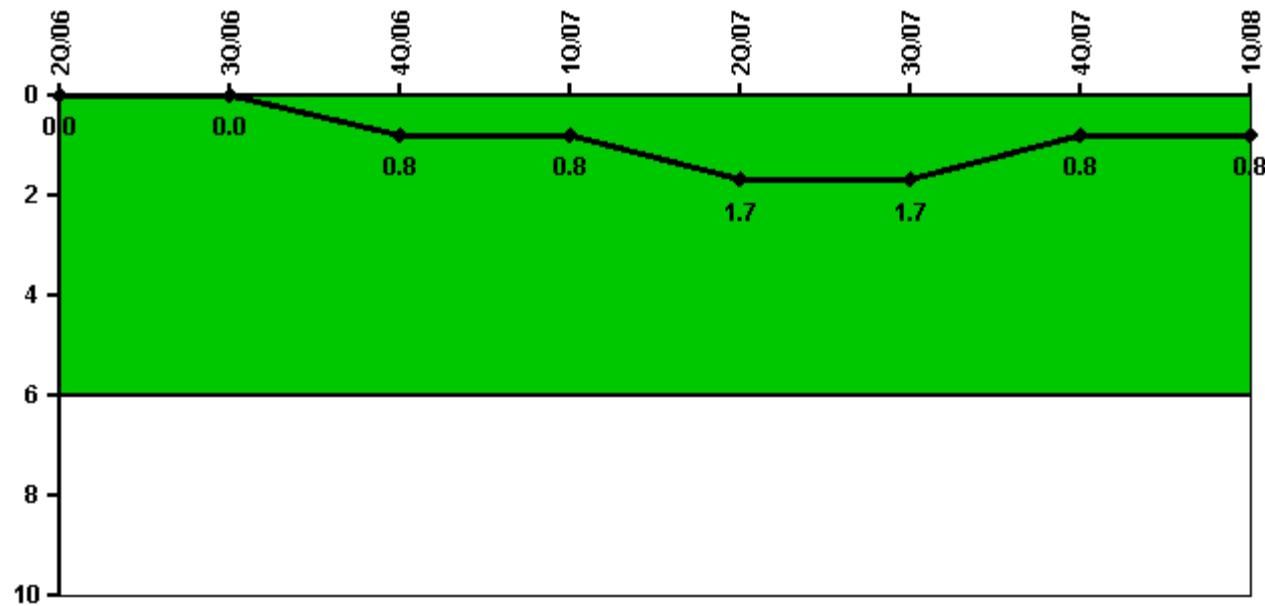
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	2209.0	2159.0	1689.2	2208.0	2209.0	2183.0
Indicator value	1.0	1.0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



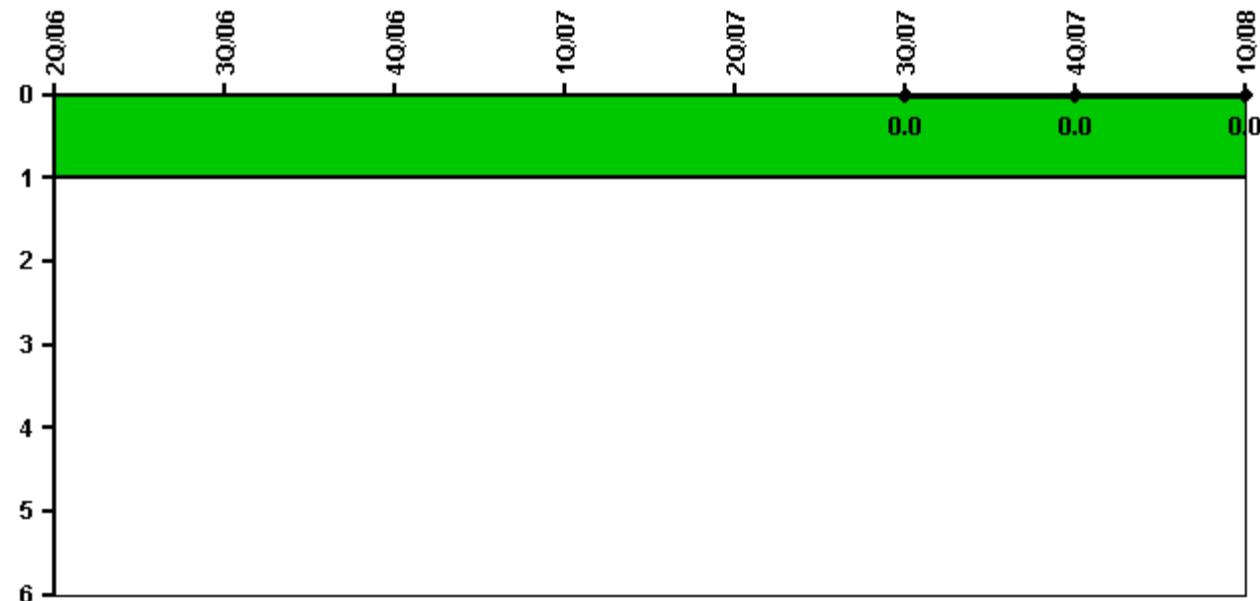
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned power changes	0	0	1.0	0	1.0	0	0	0
Critical hours	2183.0	2208.0	2209.0	2159.0	1689.2	2208.0	2209.0	2183.0
Indicator value	0	0	0.8	0.8	1.7	1.7	0.8	0.8

Licensee Comments: none

Unplanned Scrams with Complications



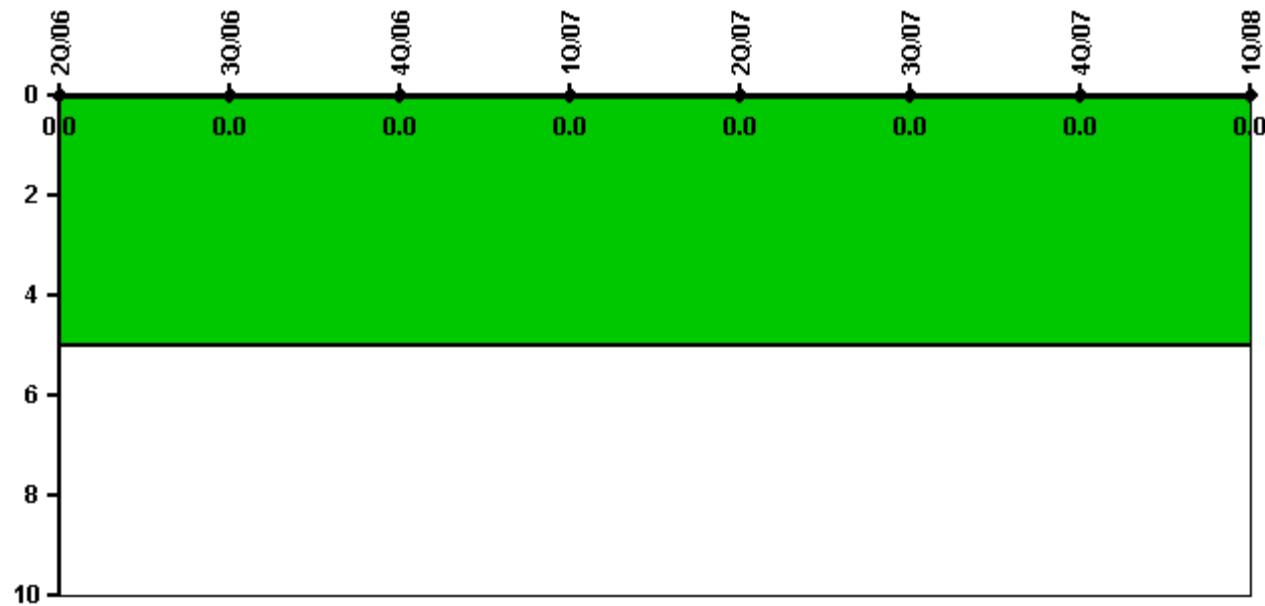
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



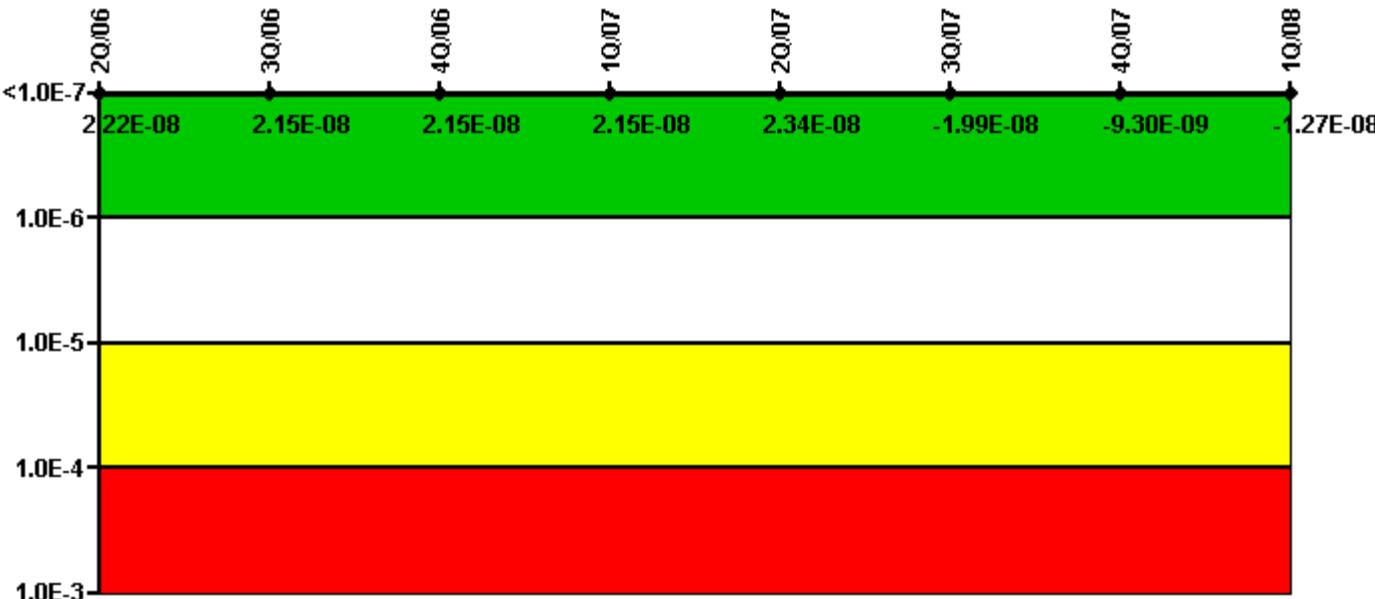
Thresholds: White > 5.0

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



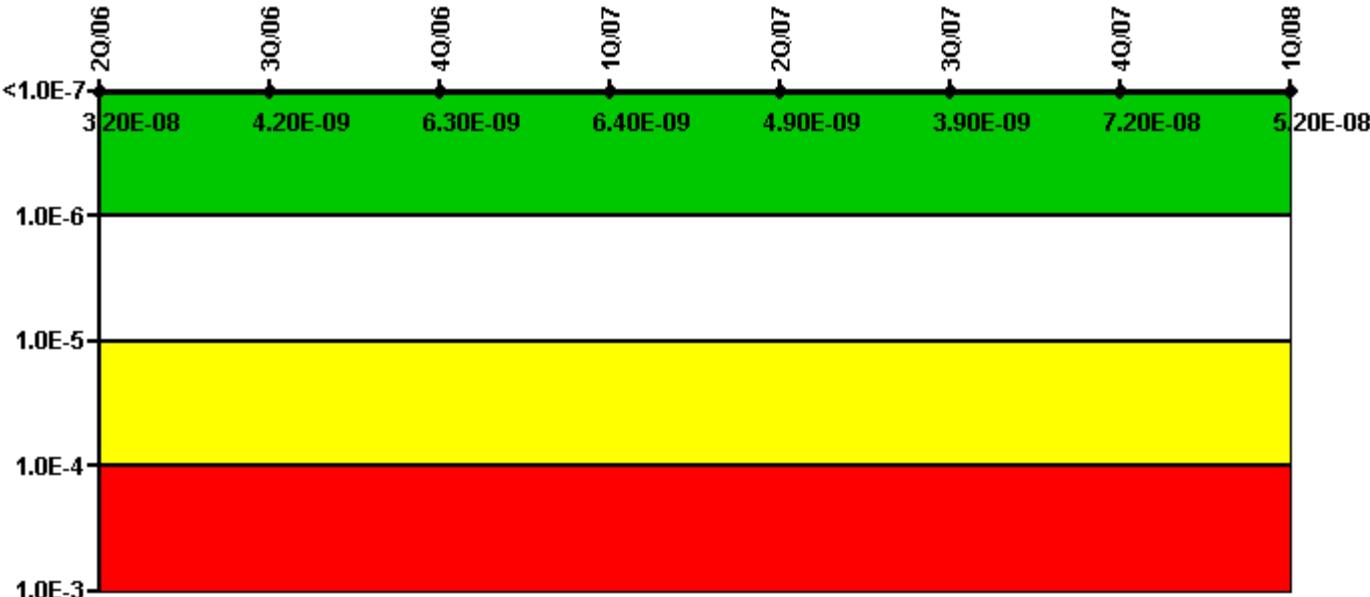
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-1.80E-09	-2.50E-09	-2.50E-09	-2.50E-09	2.40E-09	1.10E-09	1.70E-09	-3.10E-09
URI (Δ CDF)	2.40E-08	2.40E-08	2.40E-08	2.40E-08	2.10E-08	-2.10E-08	-1.10E-08	-9.60E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.22E-08	2.15E-08	2.15E-08	2.15E-08	2.34E-08	-1.99E-08	-9.30E-09	-1.27E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



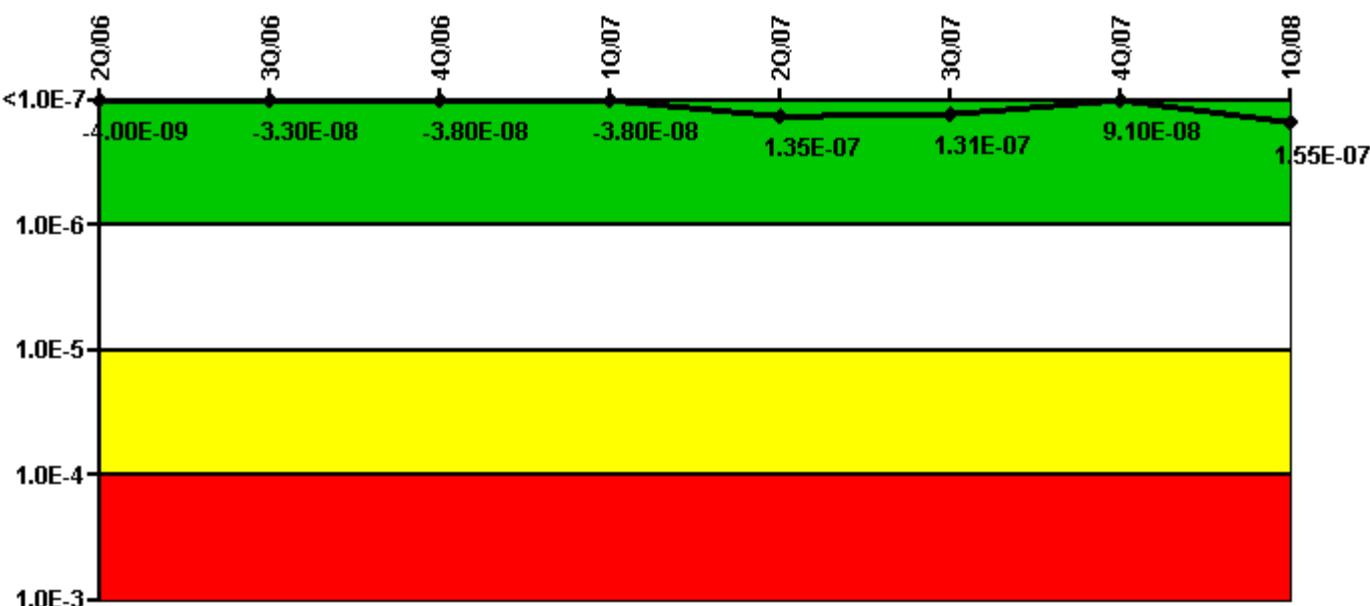
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (Δ CDF)	1.70E-08	-7.80E-09	-5.70E-09	-5.60E-09	-7.10E-09	-8.10E-09	6.00E-08	4.00E-08
URI (Δ CDF)	1.50E-08	1.20E-08						
PLE	NO							
Indicator value	3.20E-08	4.20E-09	6.30E-09	6.40E-09	4.90E-09	3.90E-09	7.20E-08	5.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



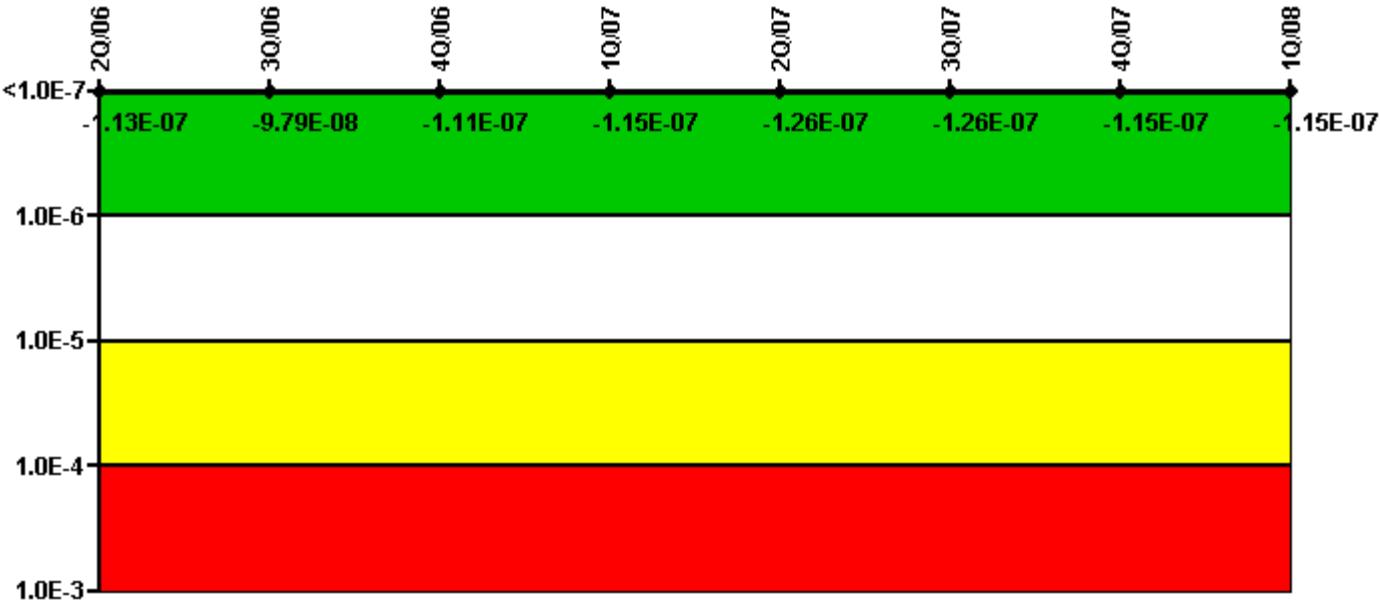
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (Δ CDF)	7.50E-08	4.20E-08	3.80E-08	3.80E-08	8.30E-08	7.70E-08	3.20E-08	9.90E-08
URI (Δ CDF)	-7.90E-08	-7.50E-08	-7.60E-08	-7.60E-08	5.20E-08	5.40E-08	5.90E-08	5.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.00E-09	-3.30E-08	-3.80E-08	-3.80E-08	1.35E-07	1.31E-07	9.10E-08	1.55E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



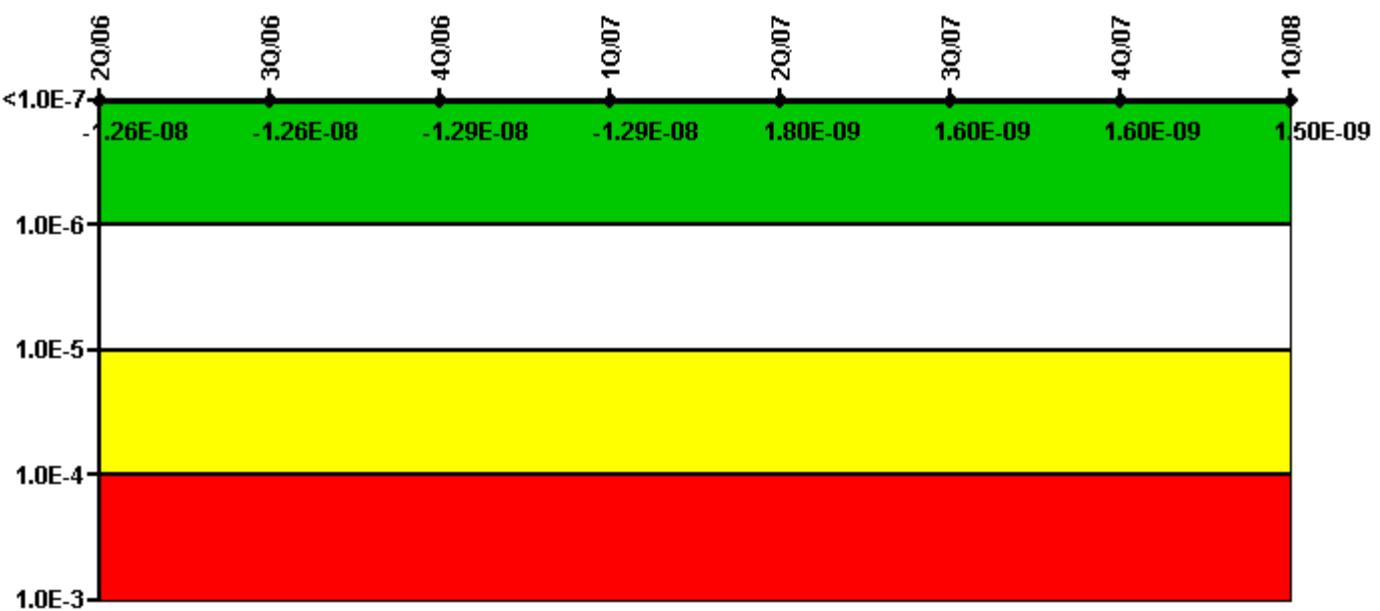
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (Δ CDF)	-1.30E-08	2.10E-09	-1.10E-08	-1.50E-08	-1.60E-08	-1.60E-08	-4.80E-09	-4.90E-09
URI (Δ CDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07
PLE	NO							
Indicator value	-1.13E-07	-9.79E-08	-1.11E-07	-1.15E-07	-1.26E-07	-1.26E-07	-1.15E-07	-1.15E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



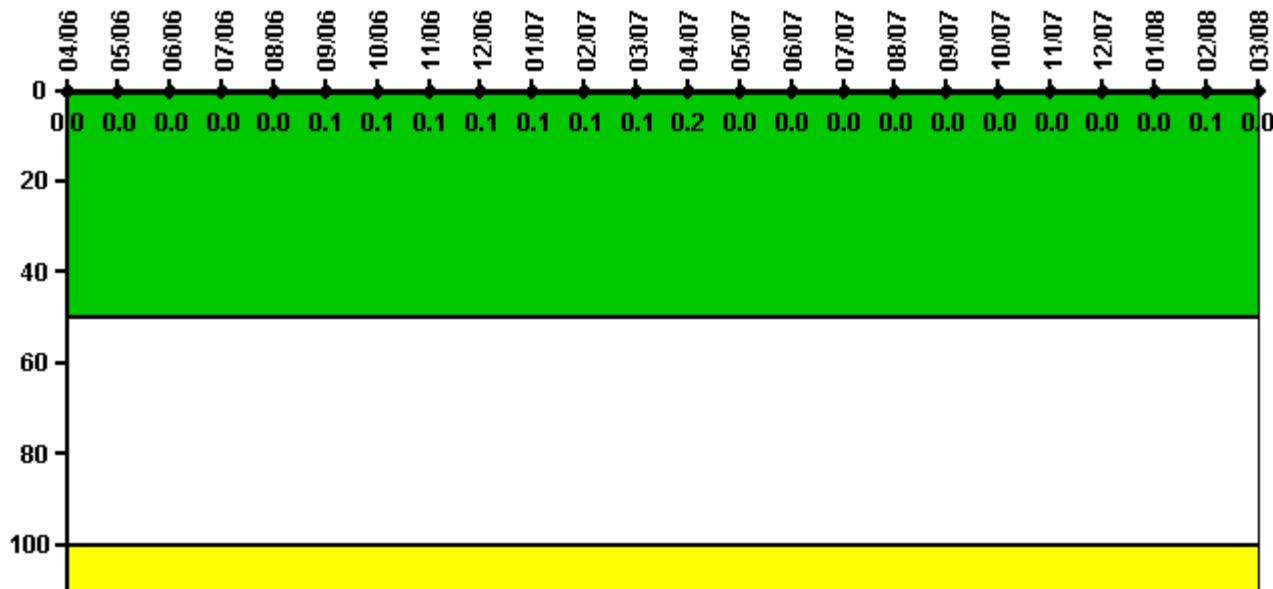
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-6.30E-10	-6.40E-10	-8.50E-10	-9.40E-10	-1.50E-09	-1.50E-09	-1.70E-09	-2.00E-09
URI (Δ CDF)	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	3.30E-09	3.10E-09	3.30E-09	3.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.26E-08	-1.26E-08	-1.29E-08	-1.29E-08	1.80E-09	1.60E-09	1.60E-09	1.50E-09

Licensee Comments: none

Reactor Coolant System Activity



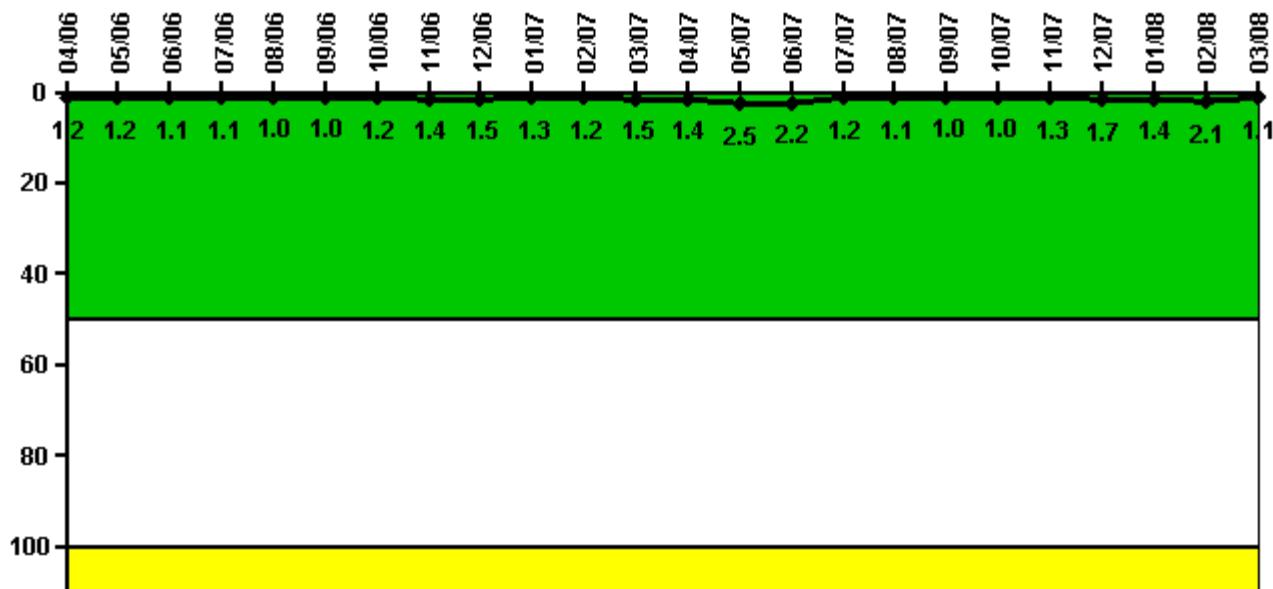
Thresholds: White > 50.0 Yellow > 100.0

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	0.001610	0.001600	0.001710	0.001690	0.001720	0.001990	0.001970	0.002270	0.002270	0.002370	0.002400	0.002310
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Reactor Coolant System Activity	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	0.005490	0.000703	0.000797	0.000789	0.000852	0.000894	0.001160	0.001040	0.001060	0.001400	0.002640	0.001280
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.2	0	0	0	0	0	0	0	0	0	0.1	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

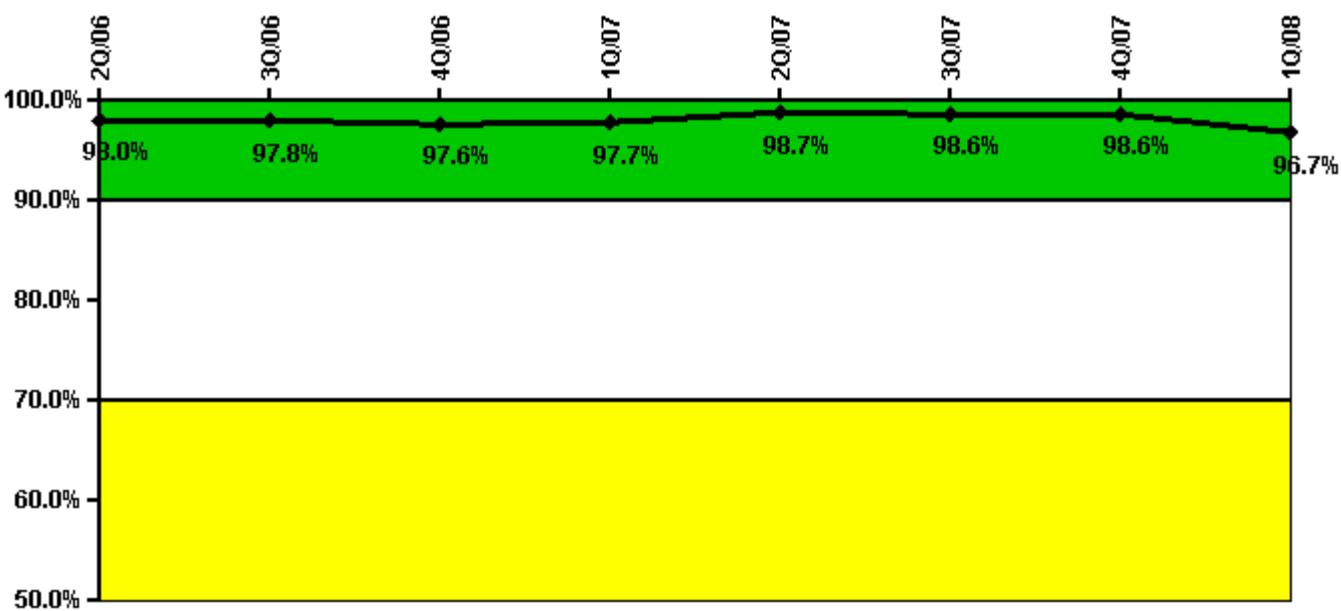
Notes

Reactor Coolant System Leakage	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum leakage	0.117	0.119	0.111	0.109	0.101	0.099	0.116	0.138	0.149	0.129	0.120	0.151
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	1.2	1.1	1.1	1.0	1.0	1.2	1.4	1.5	1.3	1.2	1.5
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	0.135	0.252	0.220	0.119	0.113	0.102	0.104	0.130	0.171	0.141	0.212	0.109
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	2.5	2.2	1.2	1.1	1.0	1.0	1.3	1.7	1.4	2.1	1.1

Licensee Comments:

3/08: Total Leakage is being reported in lieu of Identified Leakage

Drill/Exercise Performance



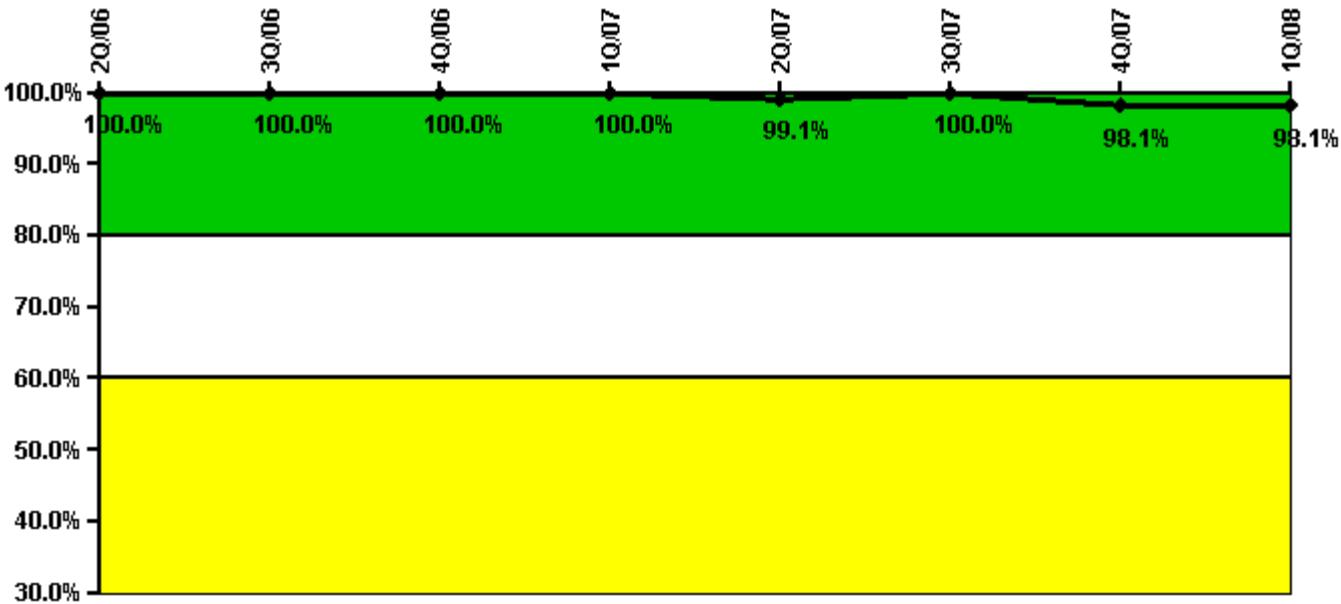
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful opportunities	52.0	10.0	17.0	7.0	23.0	21.0	4.0	11.0
Total opportunities	53.0	10.0	17.0	7.0	23.0	22.0	4.0	14.0
Indicator value	98.0%	97.8%	97.6%	97.7%	98.7%	98.6%	98.6%	96.7%

Licensee Comments: none

ERO Drill Participation



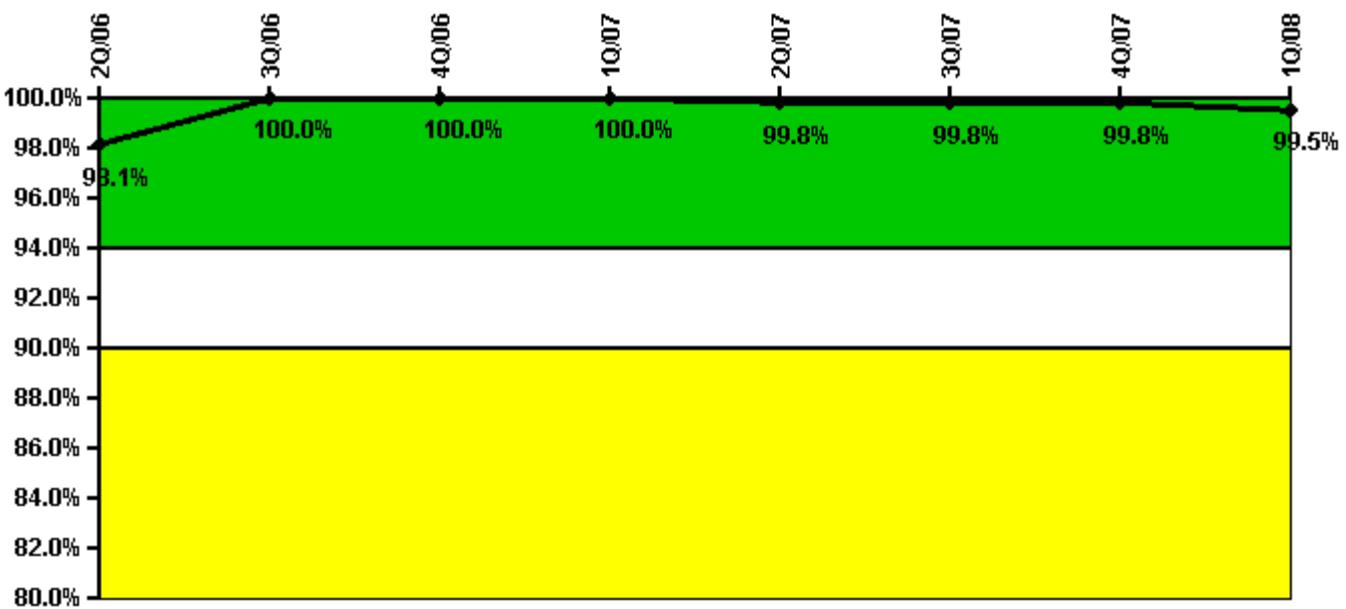
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Participating Key personnel	117.0	118.0	121.0	115.0	111.0	107.0	103.0	103.0
Total Key personnel	117.0	118.0	121.0	115.0	112.0	107.0	105.0	105.0
Indicator value	100.0%	100.0%	100.0%	100.0%	99.1%	100.0%	98.1%	98.1%

Licensee Comments: none

Alert & Notification System



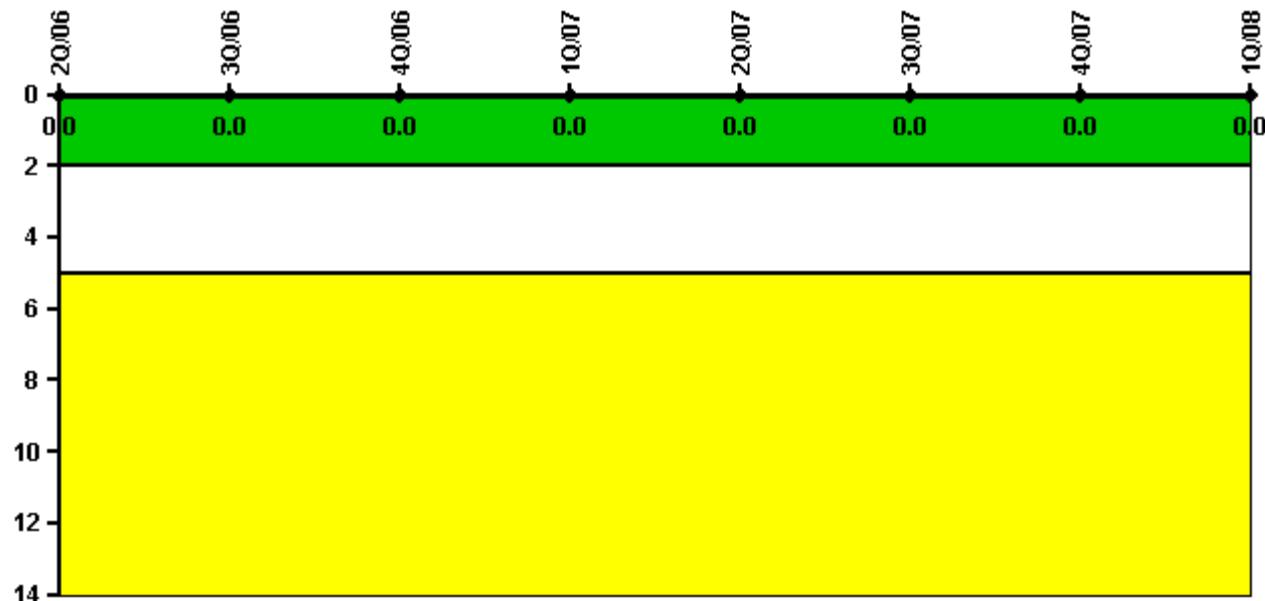
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful siren-tests	147	147	147	147	146	147	147	145
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	98.1%	100.0%	100.0%	100.0%	99.8%	99.8%	99.8%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



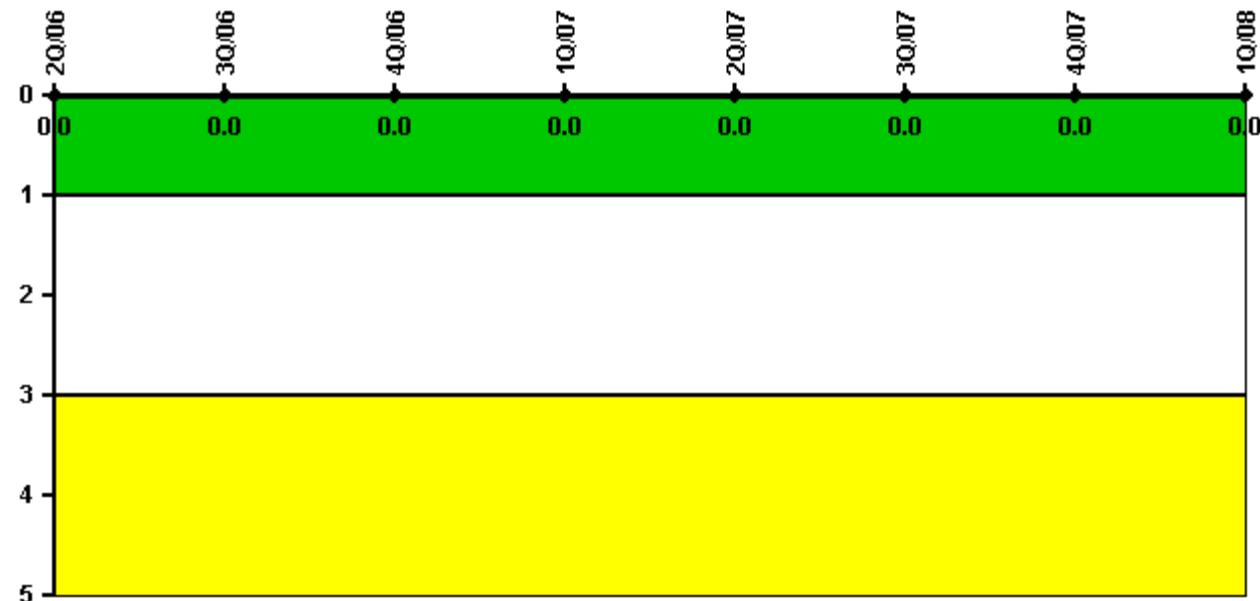
Thresholds: White > 2.0 Yellow > 5.0

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

Arkansas Nuclear 1

2Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



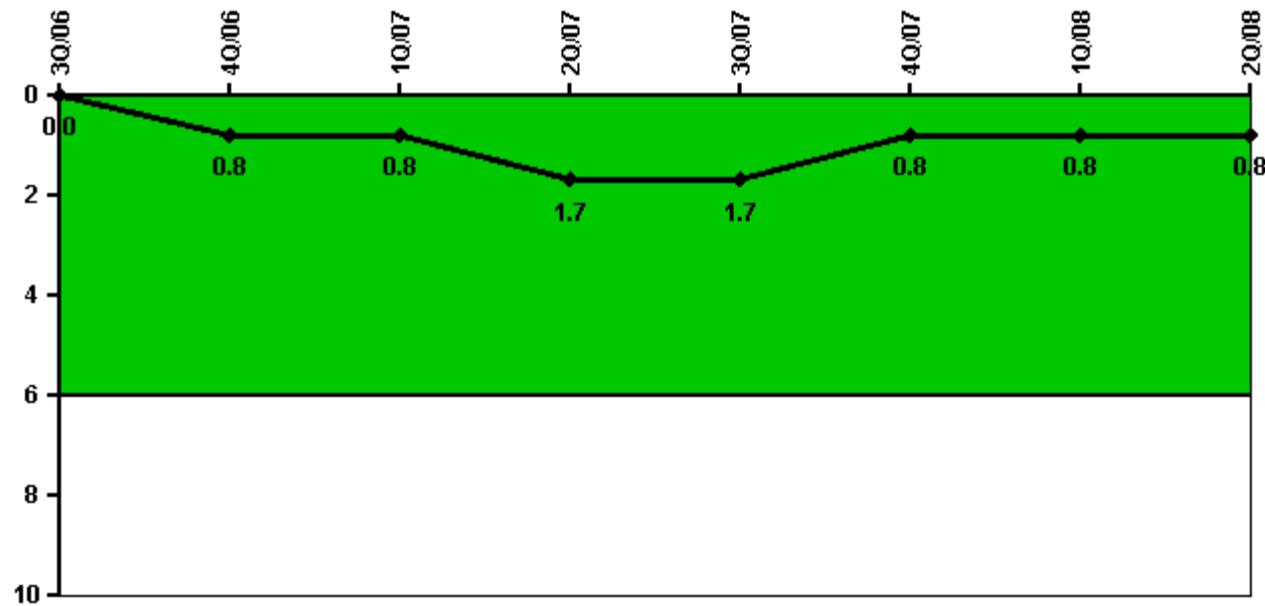
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	1689.2	2208.0	2209.0	2183.0	2184.0
Indicator value	1.0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



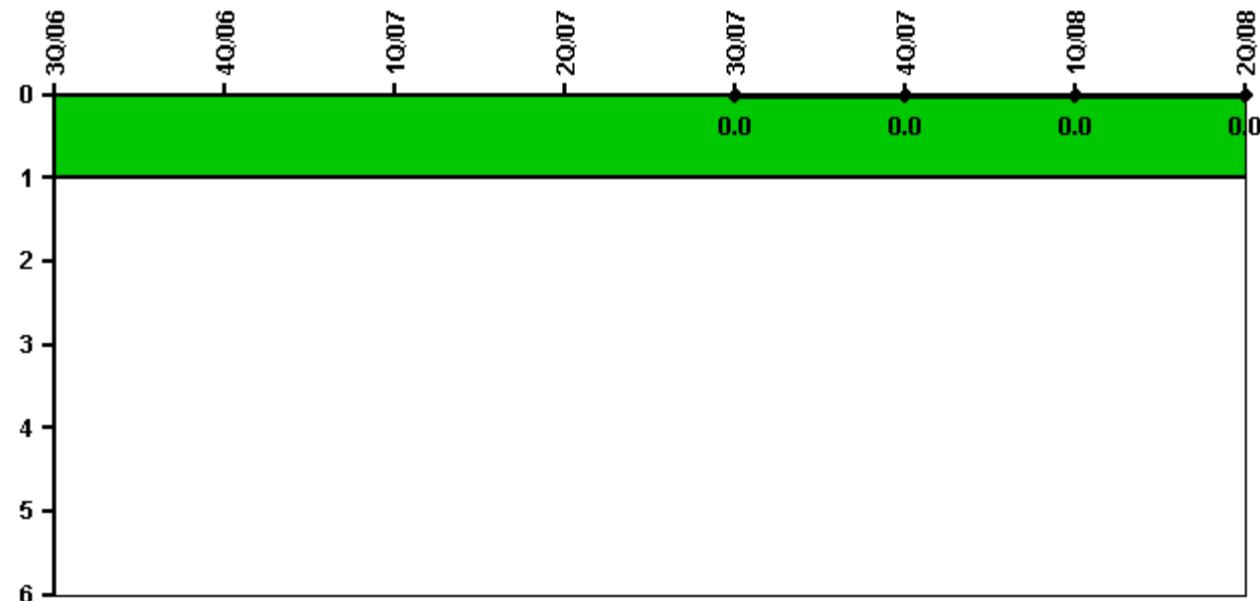
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned power changes	0	1.0	0	1.0	0	0	0	1.0
Critical hours	2208.0	2209.0	2159.0	1689.2	2208.0	2209.0	2183.0	2184.0
Indicator value	0	0.8	0.8	1.7	1.7	0.8	0.8	0.8

Licensee Comments: none

Unplanned Scrams with Complications



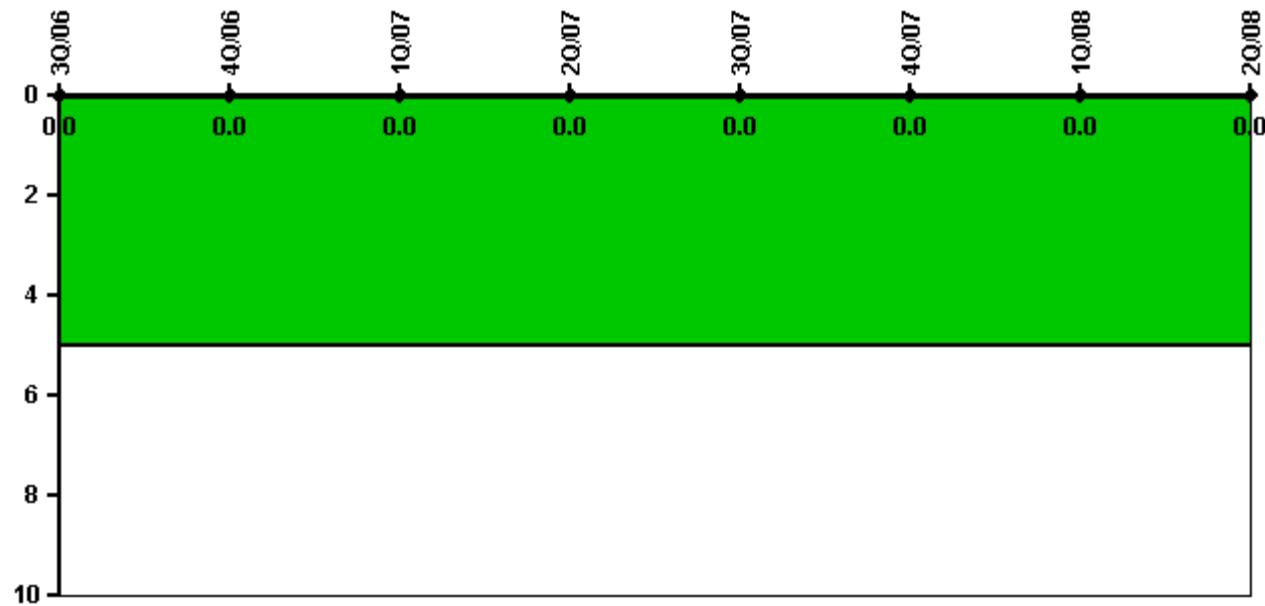
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



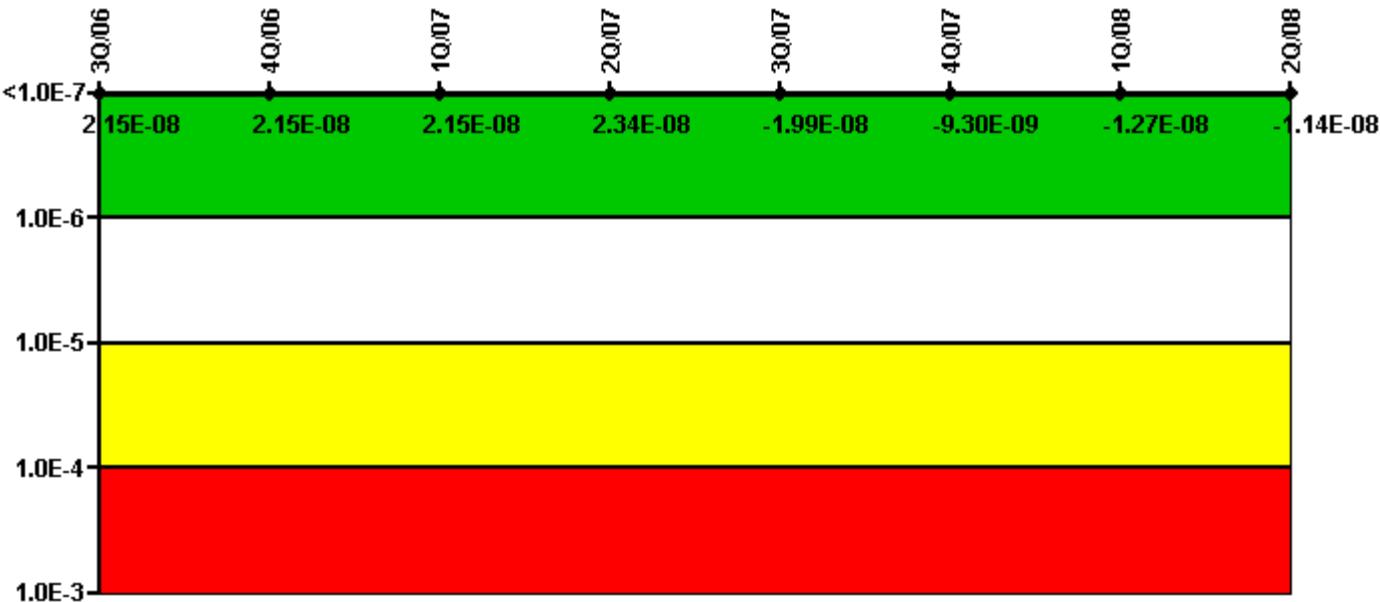
Thresholds: White > 5.0

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	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



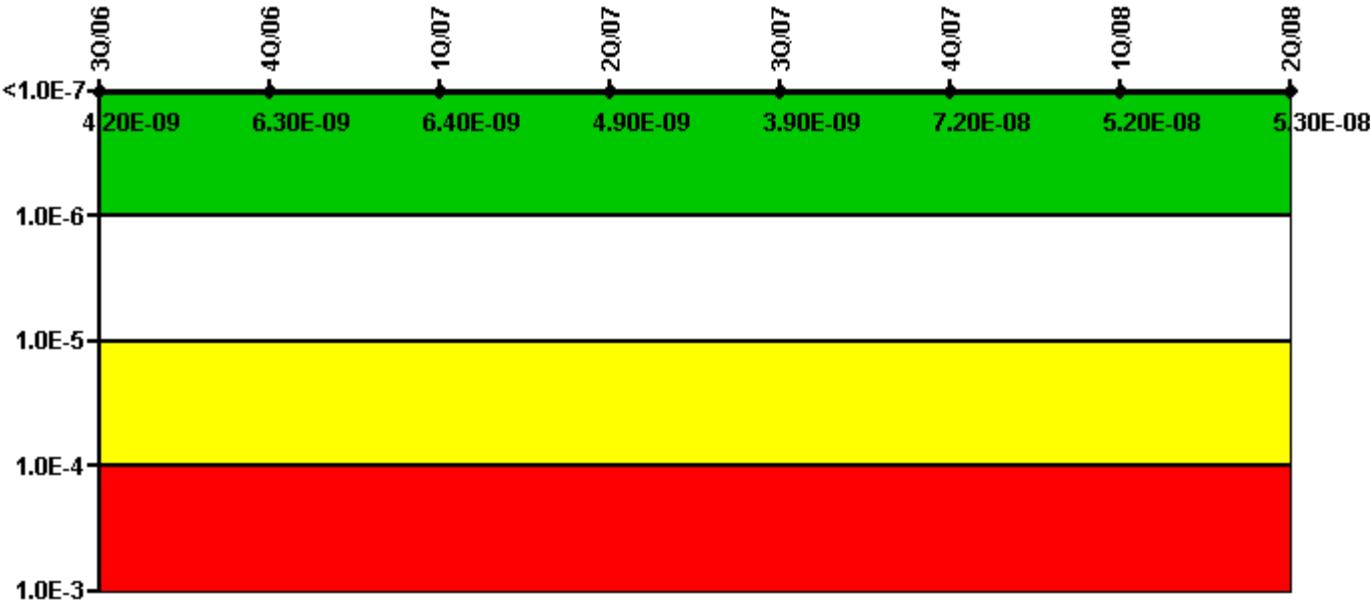
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	-2.50E-09	-2.50E-09	-2.50E-09	2.40E-09	1.10E-09	1.70E-09	-3.10E-09	-3.10E-09
URI (Δ CDF)	2.40E-08	2.40E-08	2.40E-08	2.10E-08	-2.10E-08	-1.10E-08	-9.60E-09	-8.30E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.15E-08	2.15E-08	2.15E-08	2.34E-08	-1.99E-08	-9.30E-09	-1.27E-08	-1.14E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



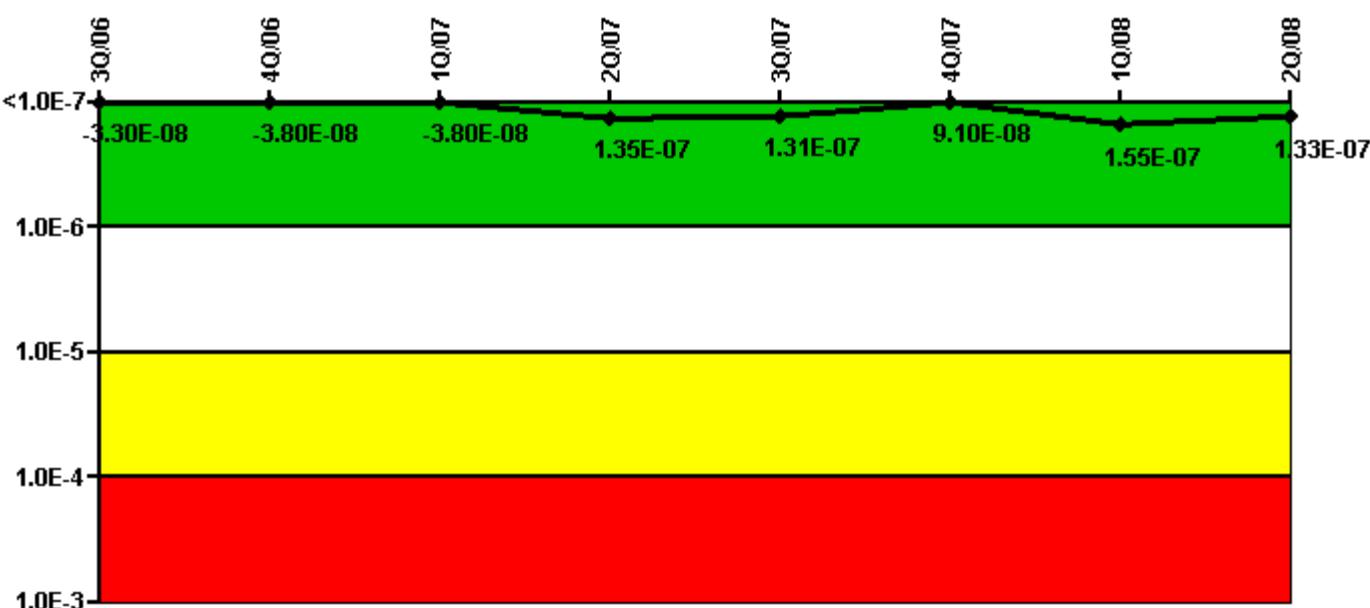
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	-7.80E-09	-5.70E-09	-5.60E-09	-7.10E-09	-8.10E-09	6.00E-08	4.00E-08	4.00E-08
URI (Δ CDF)	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.20E-09	6.30E-09	6.40E-09	4.90E-09	3.90E-09	7.20E-08	5.20E-08	5.30E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



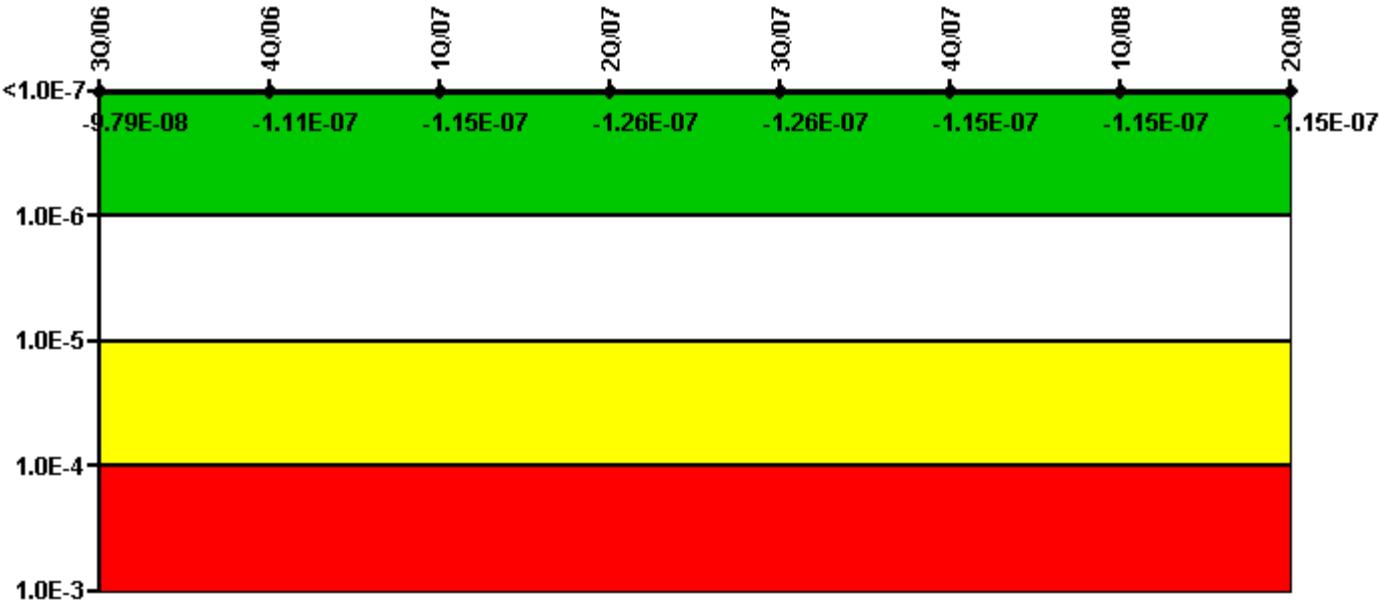
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (Δ CDF)	4.20E-08	3.80E-08	3.80E-08	8.30E-08	7.70E-08	3.20E-08	9.90E-08	7.30E-08
URI (Δ CDF)	-7.50E-08	-7.60E-08	-7.60E-08	5.20E-08	5.40E-08	5.90E-08	5.60E-08	6.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.30E-08	-3.80E-08	-3.80E-08	1.35E-07	1.31E-07	9.10E-08	1.55E-07	1.33E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



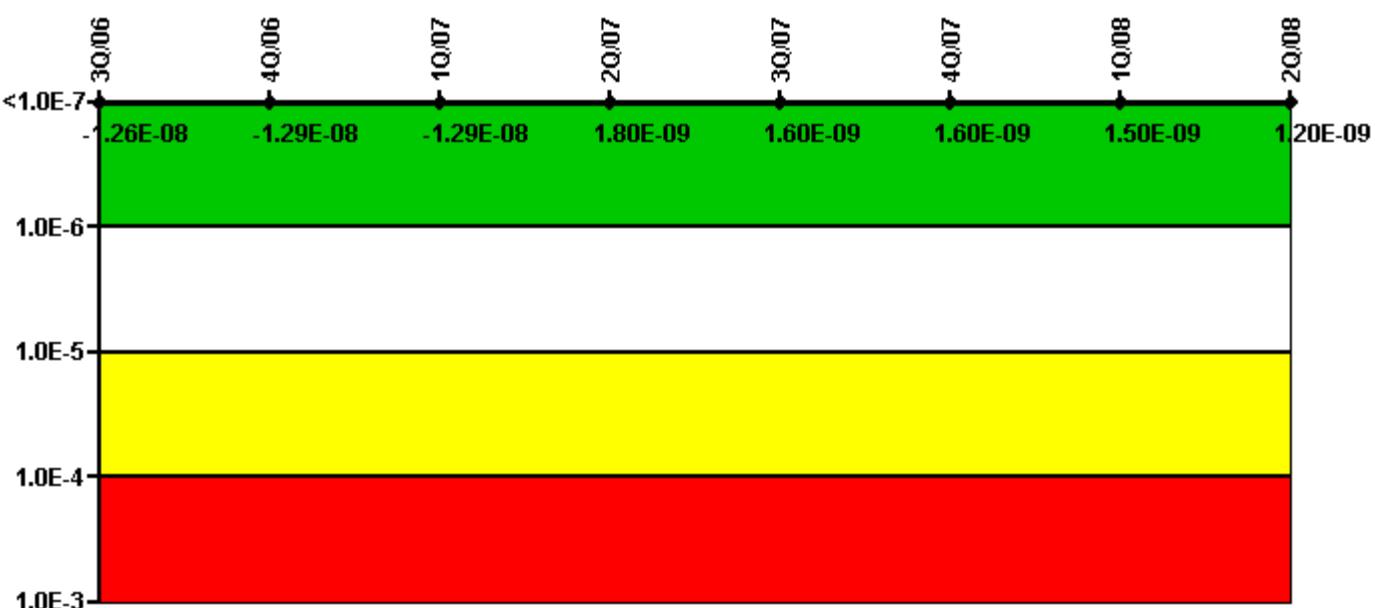
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	2.10E-09	-1.10E-08	-1.50E-08	-1.60E-08	-1.60E-08	-4.80E-09	-4.90E-09	-4.90E-09
URI (Δ CDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07
PLE	NO							
Indicator value	-9.79E-08	-1.11E-07	-1.15E-07	-1.26E-07	-1.26E-07	-1.15E-07	-1.15E-07	-1.15E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



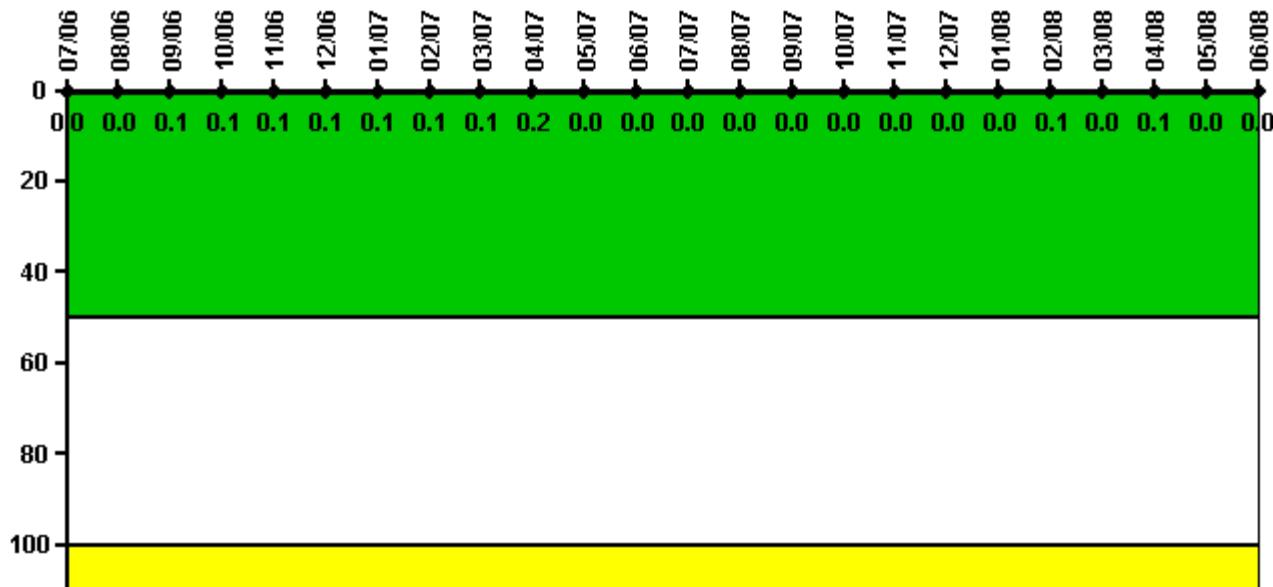
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-6.40E-10	-8.50E-10	-9.40E-10	-1.50E-09	-1.50E-09	-1.70E-09	-2.00E-09	-2.00E-09
URI (Δ CDF)	-1.20E-08	-1.20E-08	-1.20E-08	3.30E-09	3.10E-09	3.30E-09	3.50E-09	3.20E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.26E-08	-1.29E-08	-1.29E-08	1.80E-09	1.60E-09	1.60E-09	1.50E-09	1.20E-09

Licensee Comments: none

Reactor Coolant System Activity



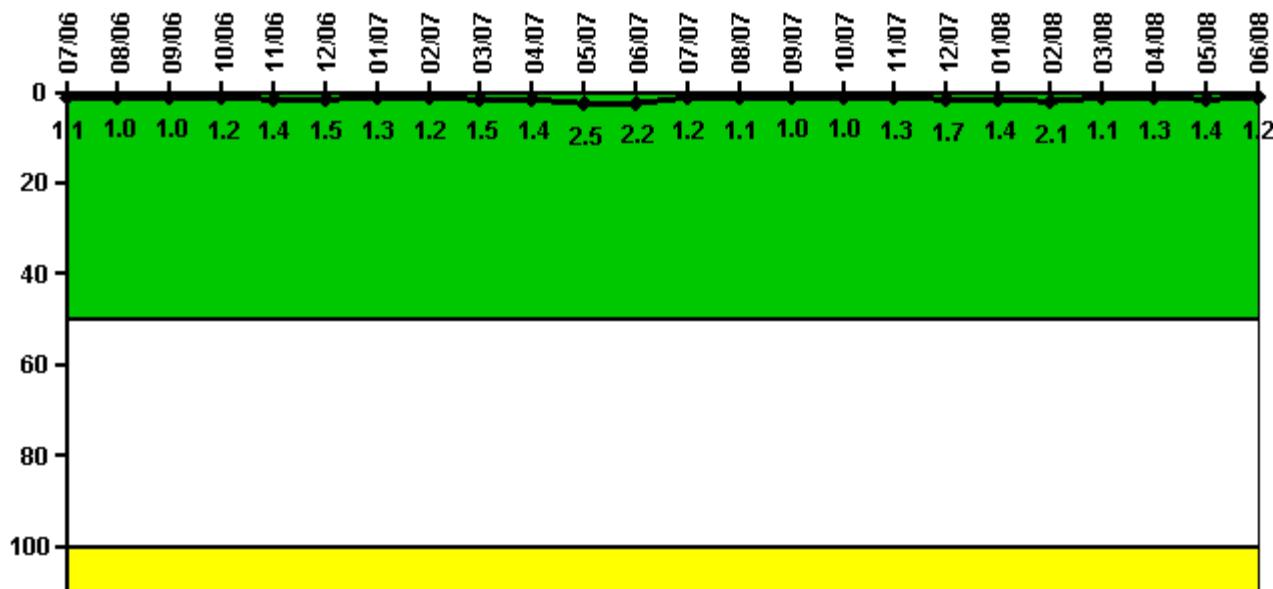
Thresholds: White > 50.0 Yellow > 100.0

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	0.001690	0.001720	0.001990	0.001970	0.002270	0.002270	0.002370	0.002400	0.002310	0.005490	0.000703	0.000797
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0	0
Reactor Coolant System Activity	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum activity	0.000789	0.000852	0.000894	0.001160	0.001040	0.001060	0.001400	0.002640	0.001280	0.004000	0.001600	0.001290
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0	0	0	0	0	0	0.1	0	0.1	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

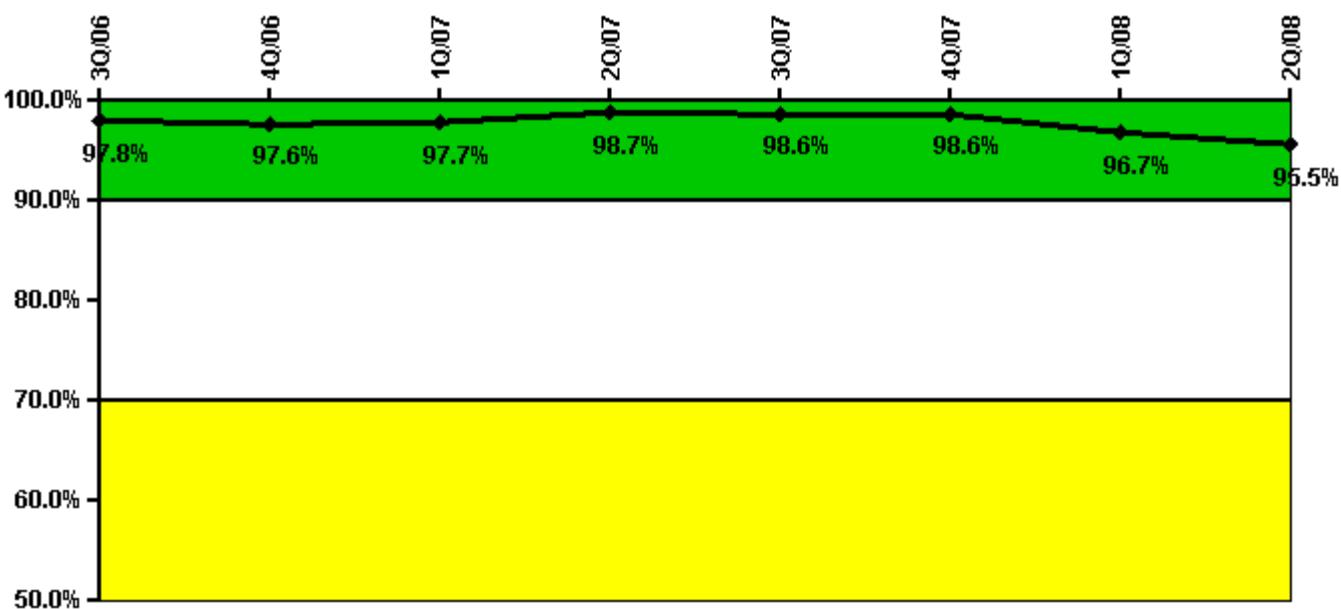
Notes

Reactor Coolant System Leakage	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum leakage	0.109	0.101	0.099	0.116	0.138	0.149	0.129	0.120	0.151	0.135	0.252	0.220
Indicator value	1.1	1.0	1.0	1.2	1.4	1.5	1.3	1.2	1.5	1.4	2.5	2.2
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	0.119	0.113	0.102	0.104	0.130	0.171	0.141	0.212	0.109	0.134	0.137	0.122
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	1.1	1.0	1.0	1.3	1.7	1.4	2.1	1.1	1.3	1.4	1.2

Licensee Comments:

6/08: Total Leakage is being reported in lieu of Identified Leakage.

Drill/Exercise Performance



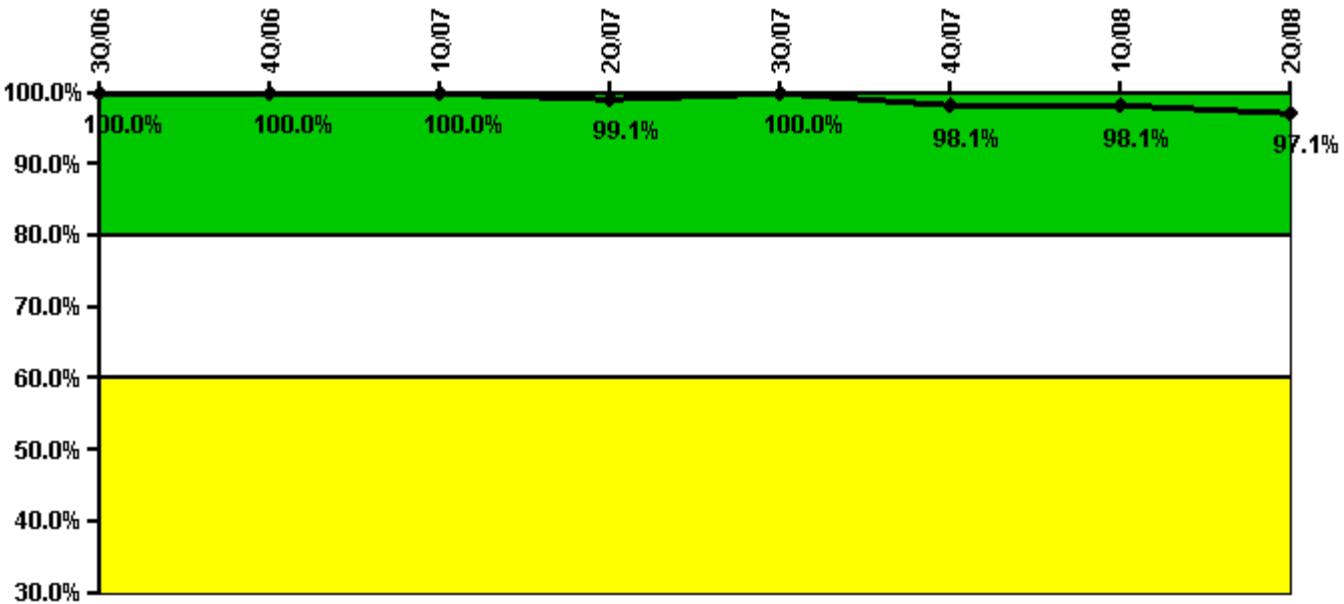
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful opportunities	10.0	17.0	7.0	23.0	21.0	4.0	11.0	34.0
Total opportunities	10.0	17.0	7.0	23.0	22.0	4.0	14.0	36.0
Indicator value	97.8%	97.6%	97.7%	98.7%	98.6%	98.6%	96.7%	95.5%

Licensee Comments: none

ERO Drill Participation



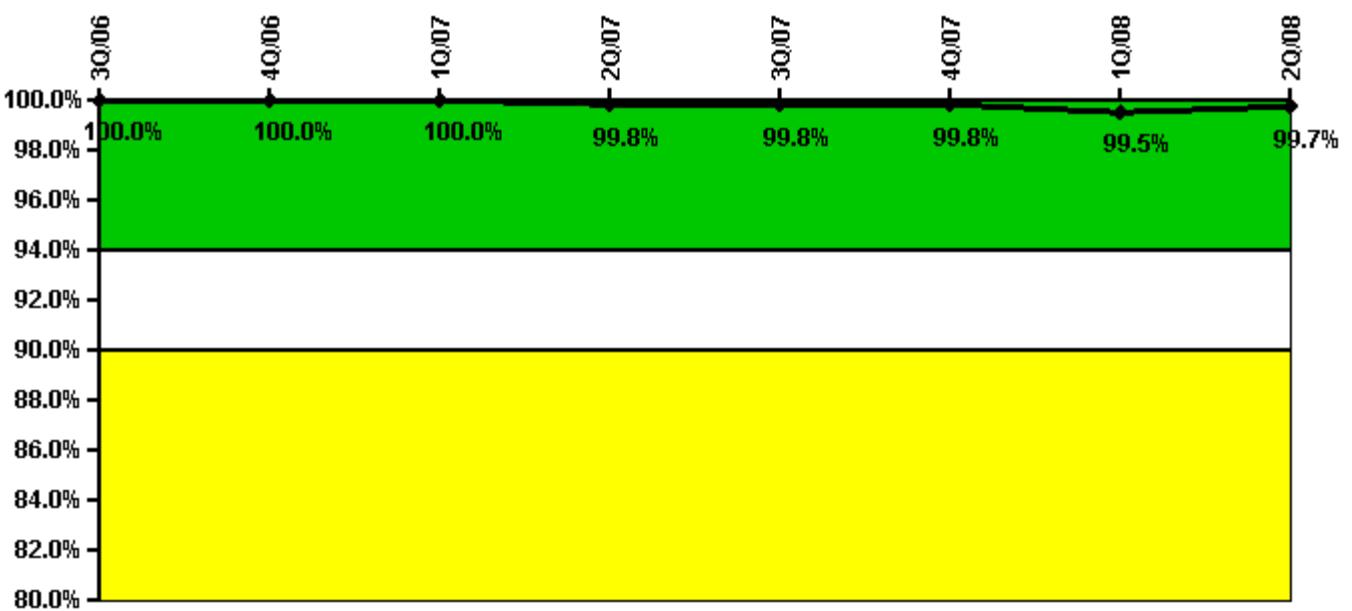
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Participating Key personnel	118.0	121.0	115.0	111.0	107.0	103.0	103.0	101.0
Total Key personnel	118.0	121.0	115.0	112.0	107.0	105.0	105.0	104.0
Indicator value	100.0%	100.0%	100.0%	99.1%	100.0%	98.1%	98.1%	97.1%

Licensee Comments: none

Alert & Notification System



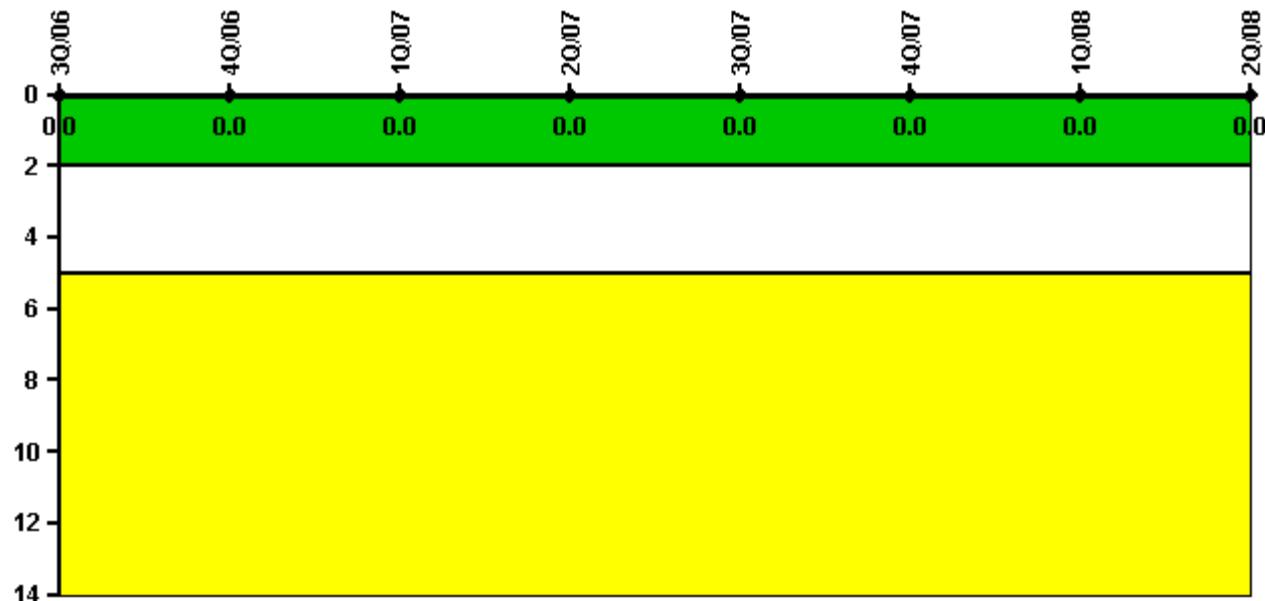
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful siren-tests	147	147	147	146	147	147	145	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	100.0%	100.0%	100.0%	99.8%	99.8%	99.8%	99.5%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



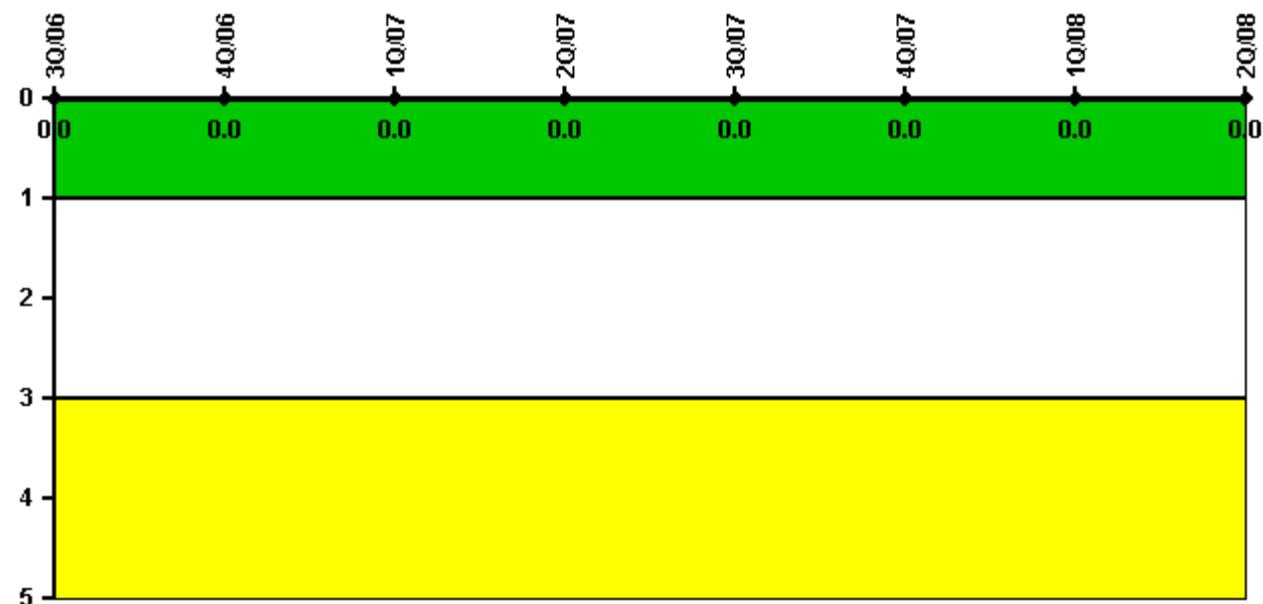
Thresholds: White > 2.0 Yellow > 5.0

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](#)

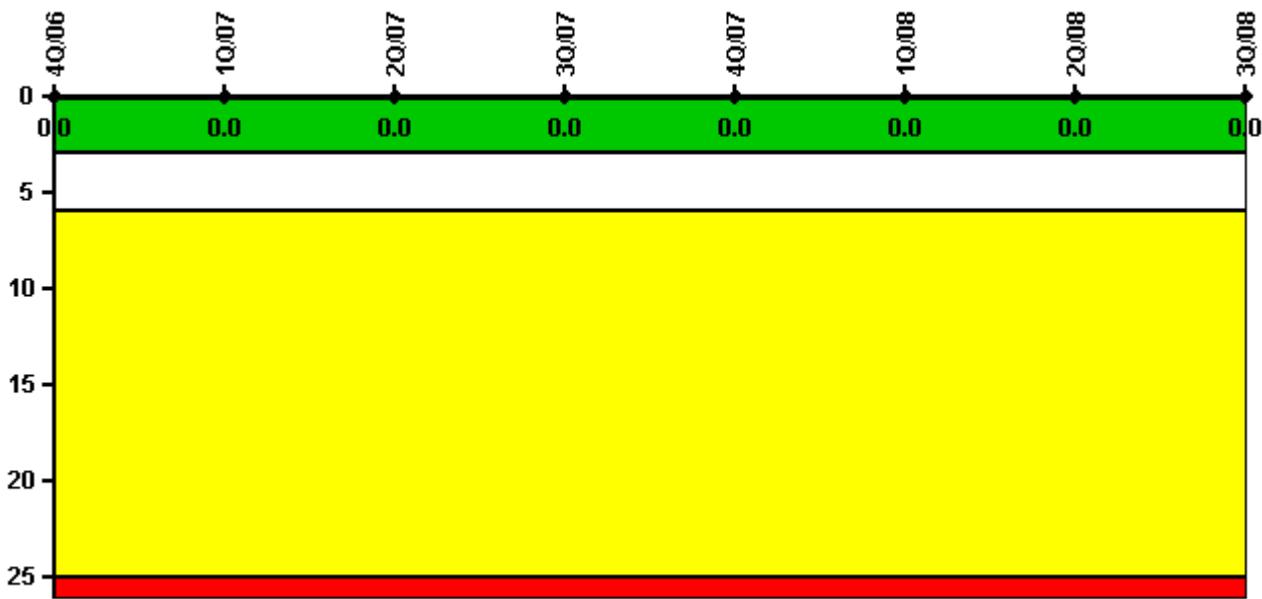
Last Modified: August 4, 2008

Arkansas Nuclear 1

3Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



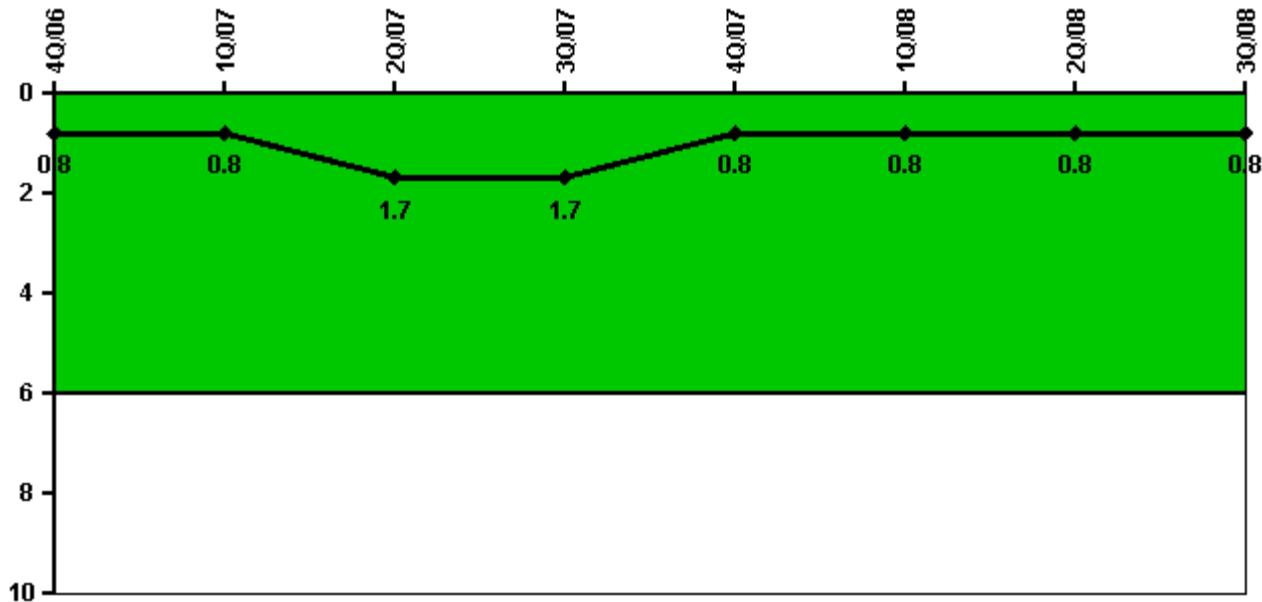
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	1689.2	2208.0	2209.0	2183.0	2184.0	2208.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



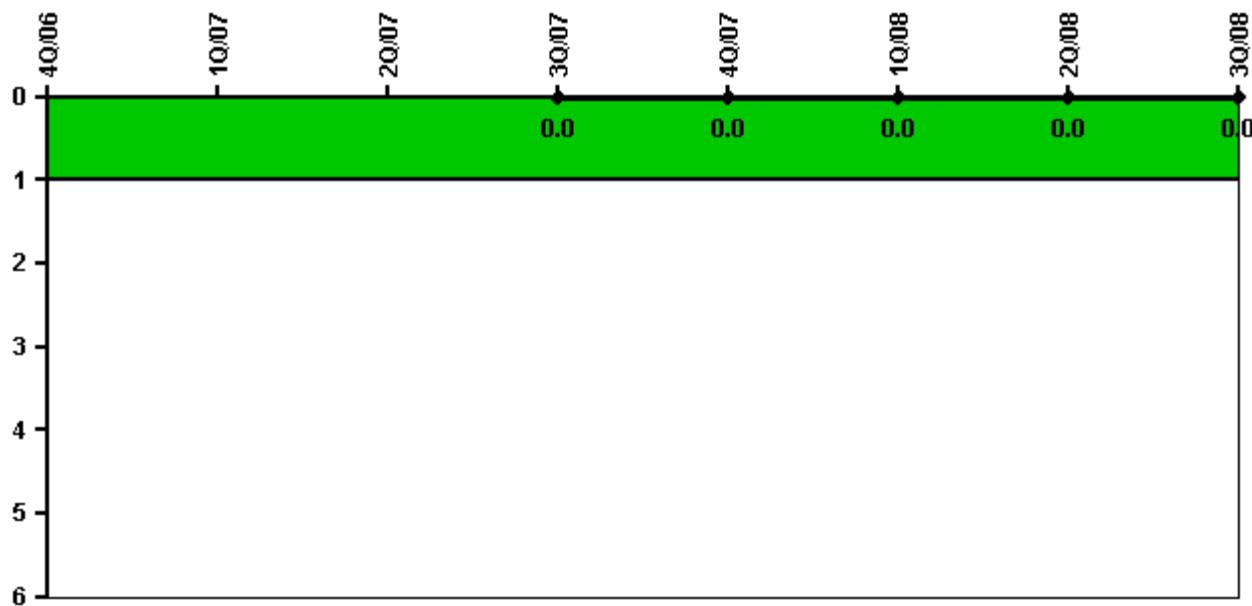
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned power changes	1.0	0	1.0	0	0	0	1.0	0
Critical hours	2209.0	2159.0	1689.2	2208.0	2209.0	2183.0	2184.0	2208.0
Indicator value	0.8	0.8	1.7	1.7	0.8	0.8	0.8	0.8

Licensee Comments: none

Unplanned Scrams with Complications



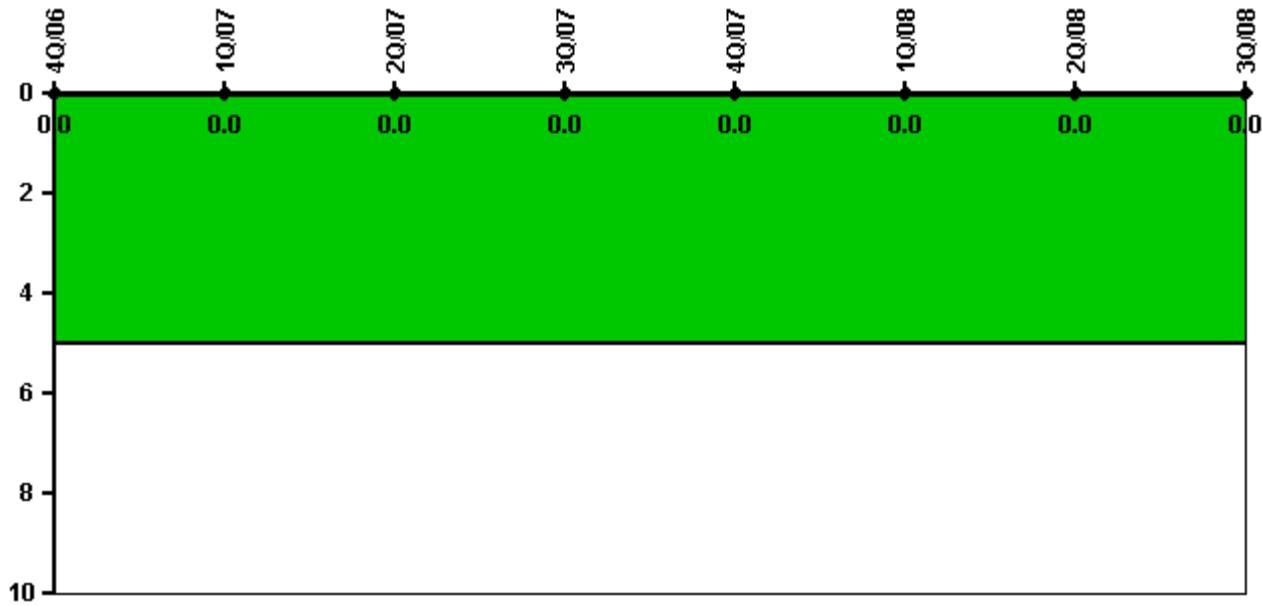
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



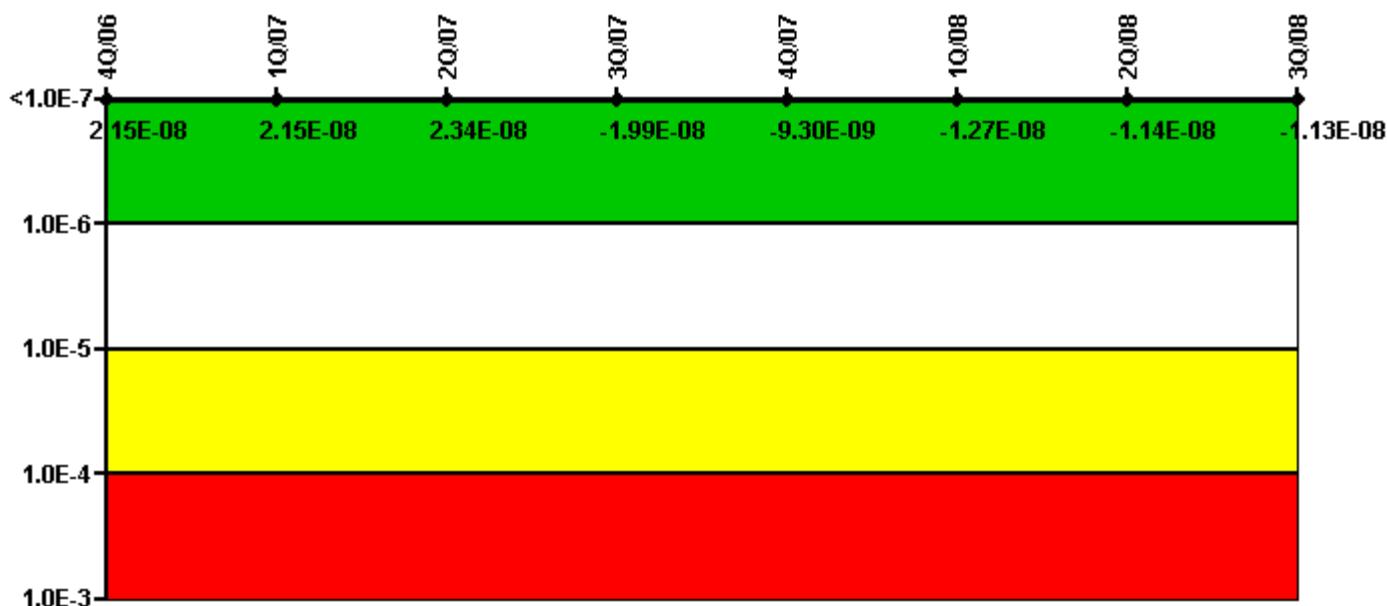
Thresholds: White > 5.0

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	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



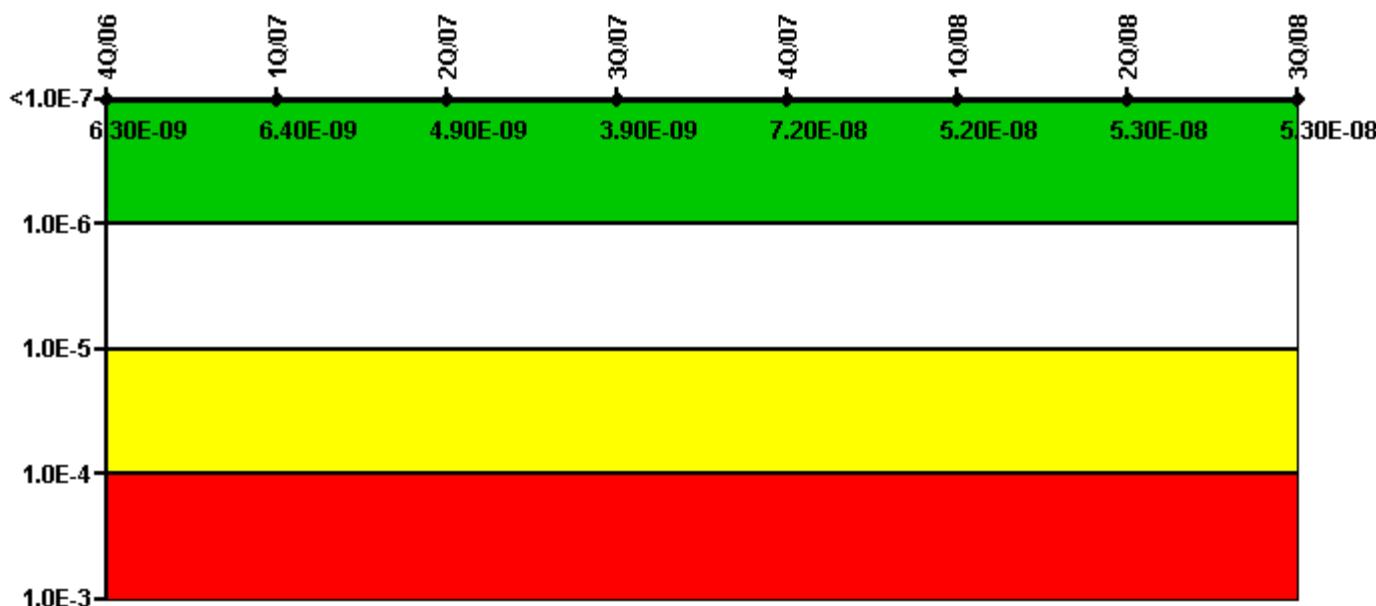
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	-2.50E-09	-2.50E-09	2.40E-09	1.10E-09	1.70E-09	-3.10E-09	-3.10E-09	-3.10E-09
URI (Δ CDF)	2.40E-08	2.40E-08	2.10E-08	-2.10E-08	-1.10E-08	-9.60E-09	-8.30E-09	-8.20E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.15E-08	2.15E-08	2.34E-08	-1.99E-08	-9.30E-09	-1.27E-08	-1.14E-08	-1.13E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



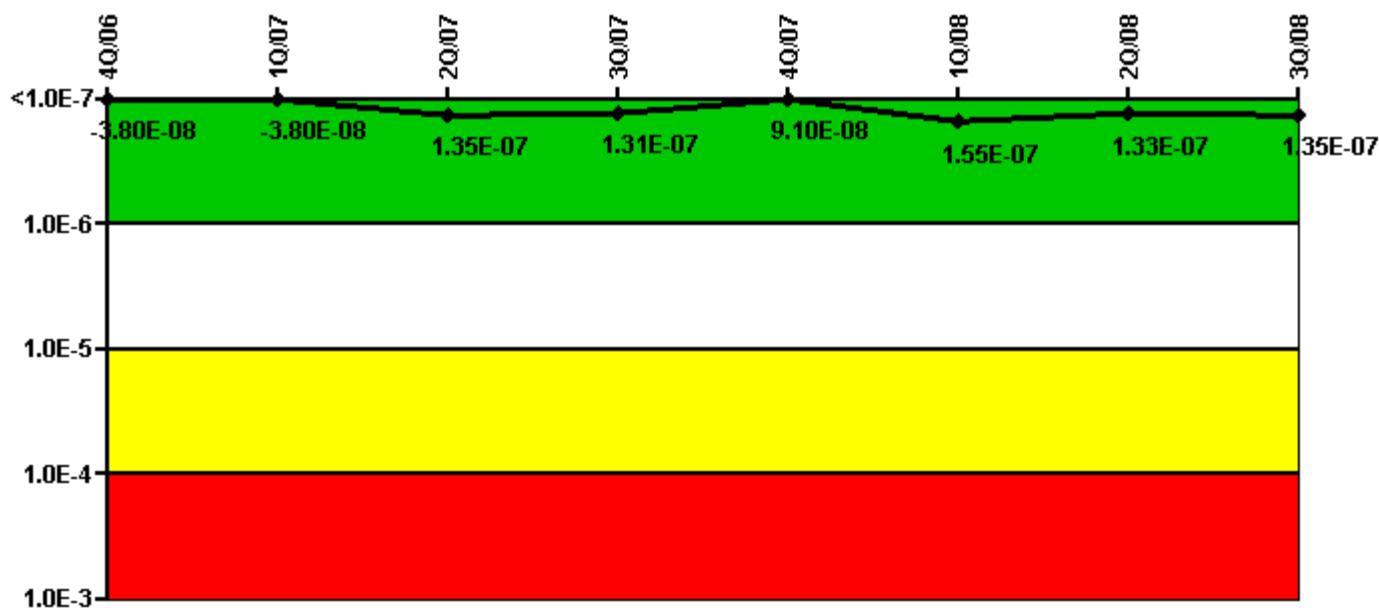
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	-5.70E-09	-5.60E-09	-7.10E-09	-8.10E-09	6.00E-08	4.00E-08	4.00E-08	4.00E-08
URI (Δ CDF)	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.30E-08	1.30E-08
PLE	NO							
Indicator value	6.30E-09	6.40E-09	4.90E-09	3.90E-09	7.20E-08	5.20E-08	5.30E-08	5.30E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



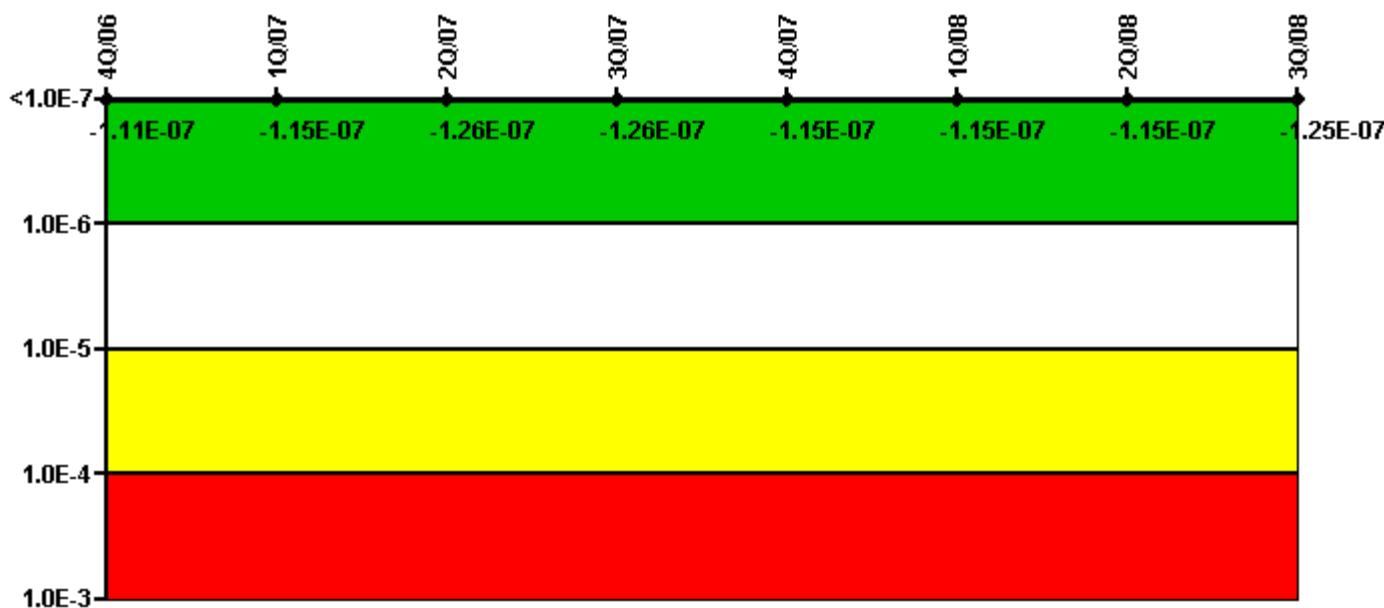
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	3.80E-08	3.80E-08	8.30E-08	7.70E-08	3.20E-08	9.90E-08	7.30E-08	7.70E-08
URI (Δ CDF)	-7.60E-08	-7.60E-08	5.20E-08	5.40E-08	5.90E-08	5.60E-08	6.00E-08	5.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.80E-08	-3.80E-08	1.35E-07	1.31E-07	9.10E-08	1.55E-07	1.33E-07	1.35E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



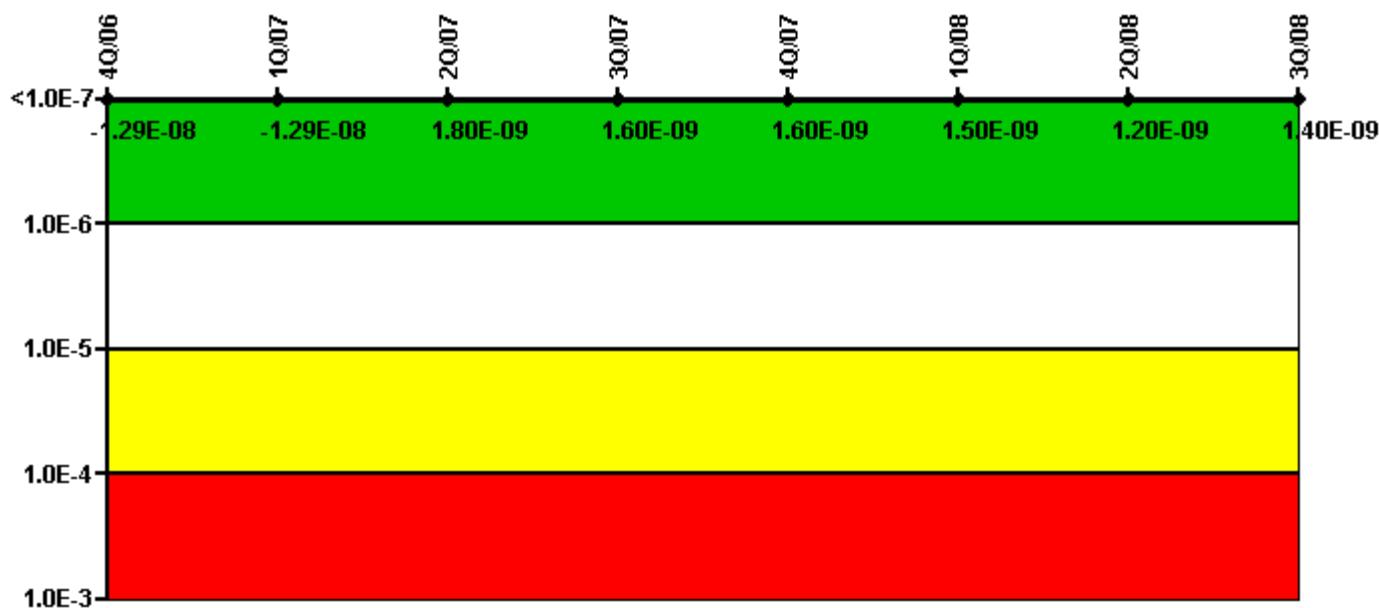
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (Δ CDF)	-1.10E-08	-1.50E-08	-1.60E-08	-1.60E-08	-4.80E-09	-4.90E-09	-4.90E-09	-1.50E-08
URI (Δ CDF)	-1.00E-07	-1.00E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07
PLE	NO							
Indicator value	-1.11E-07	-1.15E-07	-1.26E-07	-1.26E-07	-1.15E-07	-1.15E-07	-1.15E-07	-1.25E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



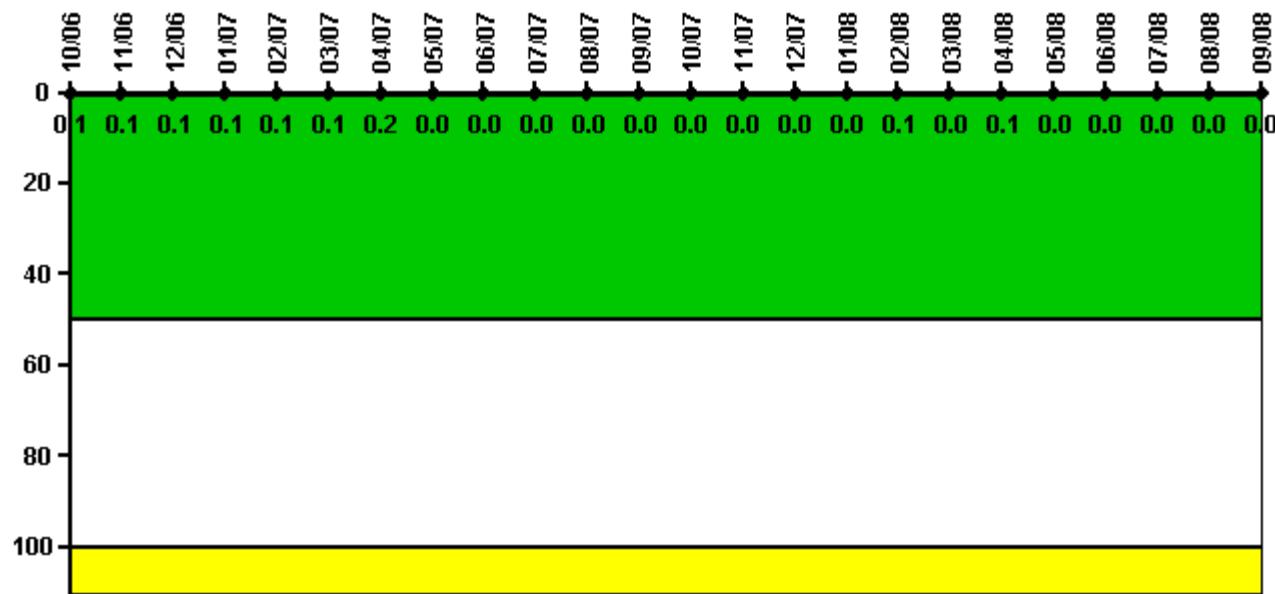
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-8.50E-10	-9.40E-10	-1.50E-09	-1.50E-09	-1.70E-09	-2.00E-09	-2.00E-09	-2.00E-09
URI (Δ CDF)	-1.20E-08	-1.20E-08	3.30E-09	3.10E-09	3.30E-09	3.50E-09	3.20E-09	3.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.29E-08	-1.29E-08	1.80E-09	1.60E-09	1.60E-09	1.50E-09	1.20E-09	1.40E-09

Licensee Comments: none

Reactor Coolant System Activity



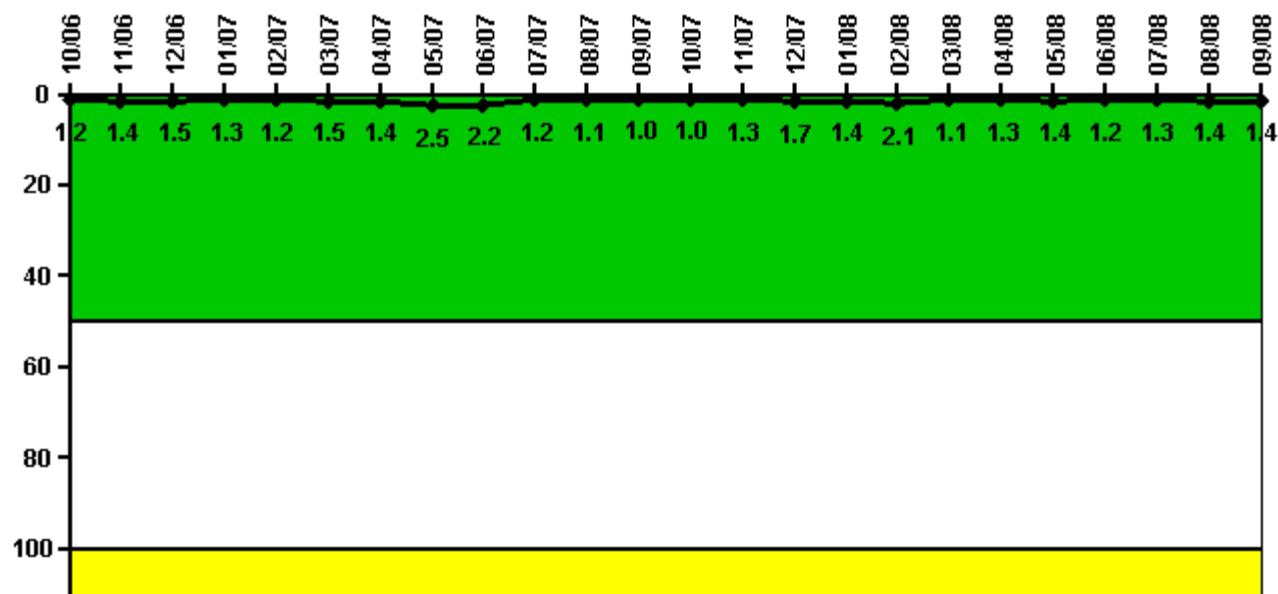
Thresholds: White > 50.0 Yellow > 100.0

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	0.001970	0.002270	0.002270	0.002370	0.002400	0.002310	0.005490	0.000703	0.000797	0.000789	0.000852	0.000894
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0	0	0	0	0
Reactor Coolant System Activity	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum activity	0.001160	0.001040	0.001060	0.001400	0.002640	0.001280	0.004000	0.001600	0.001290	0.001460	0.001470	0.001520
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0	0	0	0.1	0	0.1	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

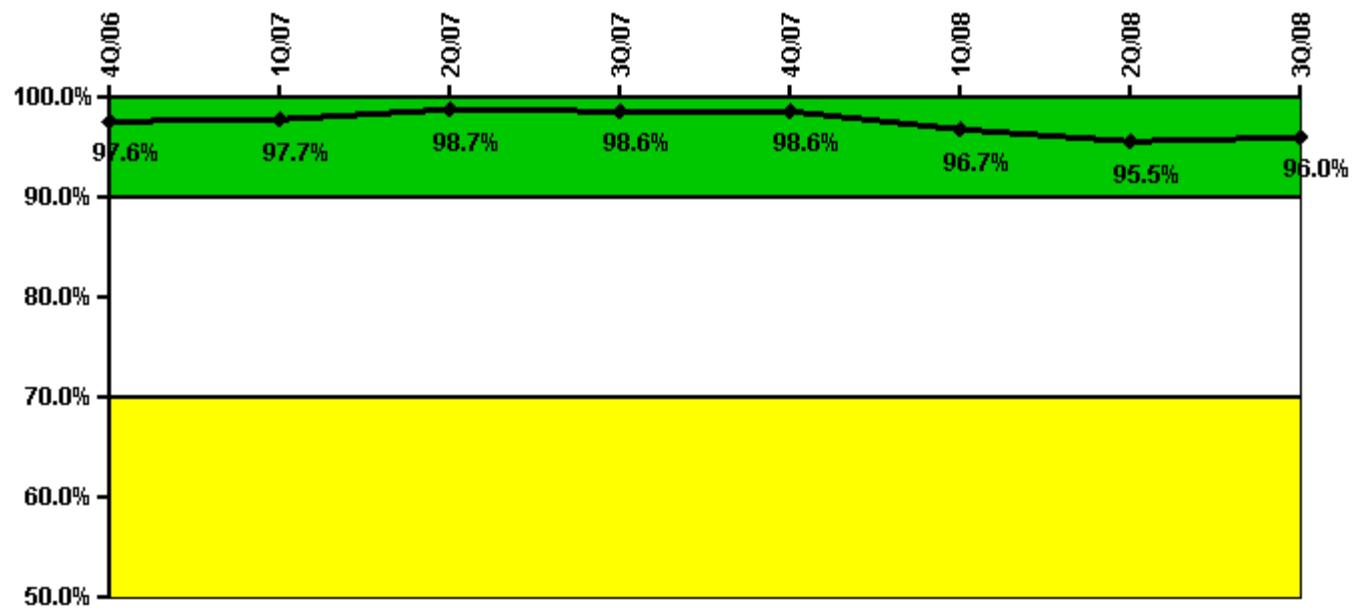
Notes

Reactor Coolant System Leakage	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum leakage	0.116	0.138	0.149	0.129	0.120	0.151	0.135	0.252	0.220	0.119	0.113	0.102
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	1.4	1.5	1.3	1.2	1.5	1.4	2.5	2.2	1.2	1.1	1.0
Reactor Coolant System Leakage	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum leakage	0.104	0.130	0.171	0.141	0.212	0.109	0.134	0.137	0.122	0.131	0.143	0.143
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	1.3	1.7	1.4	2.1	1.1	1.3	1.4	1.2	1.3	1.4	1.4

Licensee Comments:

9/08: Total Leakage is being reported in lieu of Identified Leakage.

Drill/Exercise Performance



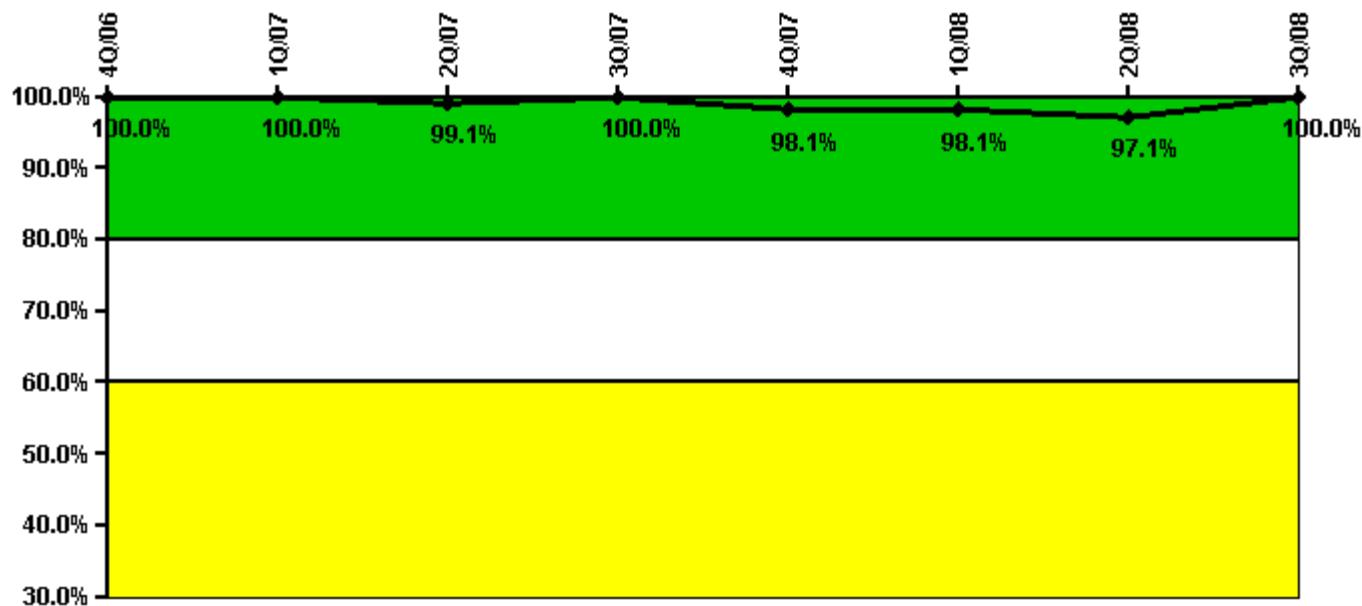
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful opportunities	17.0	7.0	23.0	21.0	4.0	11.0	34.0	26.0
Total opportunities	17.0	7.0	23.0	22.0	4.0	14.0	36.0	26.0
Indicator value	97.6%	97.7%	98.7%	98.6%	98.6%	96.7%	95.5%	96.0%

Licensee Comments: none

ERO Drill Participation



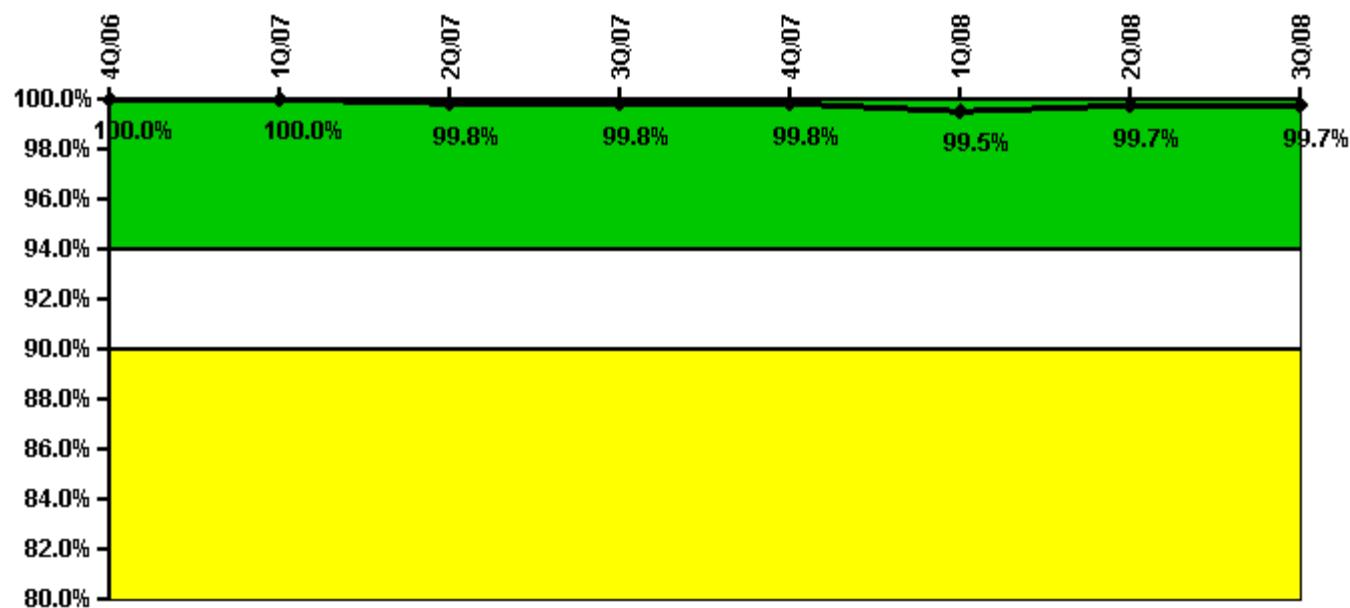
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Participating Key personnel	121.0	115.0	111.0	107.0	103.0	103.0	101.0	105.0
Total Key personnel	121.0	115.0	112.0	107.0	105.0	105.0	104.0	105.0
Indicator value	100.0%	100.0%	99.1%	100.0%	98.1%	98.1%	97.1%	100.0%

Licensee Comments: none

Alert & Notification System



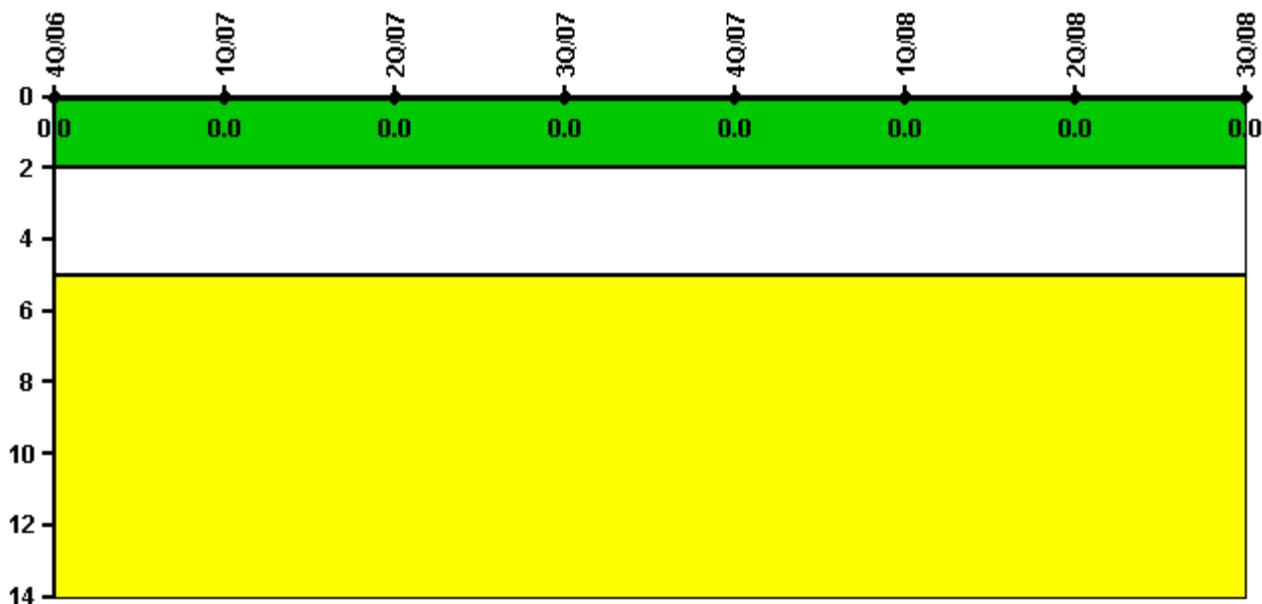
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Successful siren-tests	147	147	146	147	147	145	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	100.0%	100.0%	99.8%	99.8%	99.8%	99.5%	99.7%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



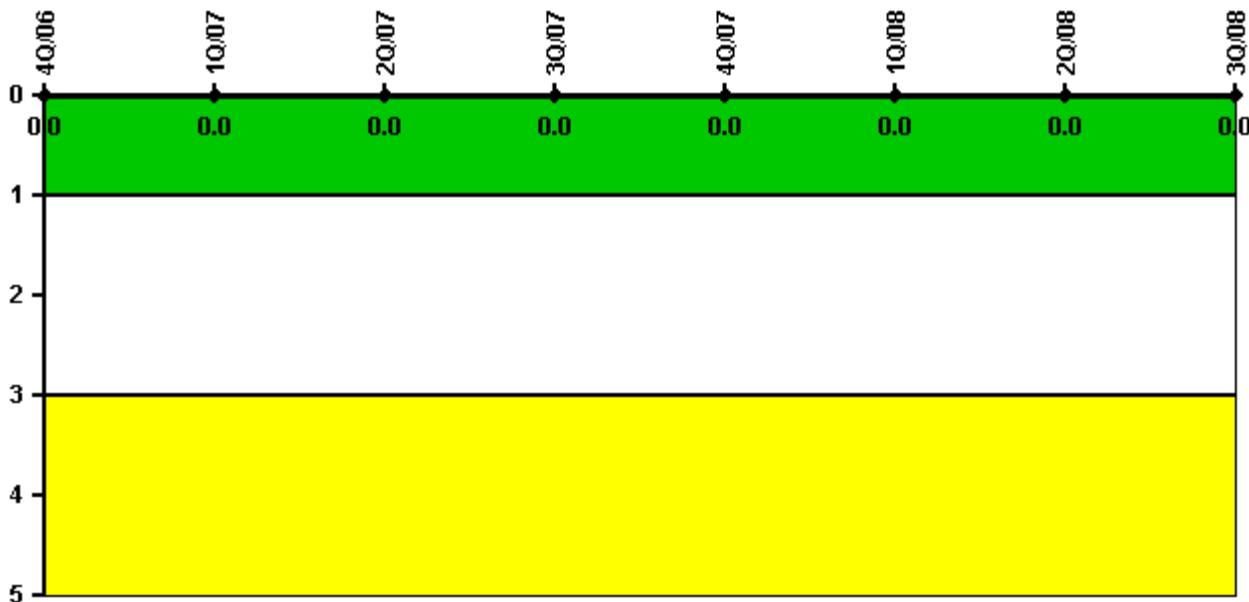
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
High radiation area occurrences	0	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](#)

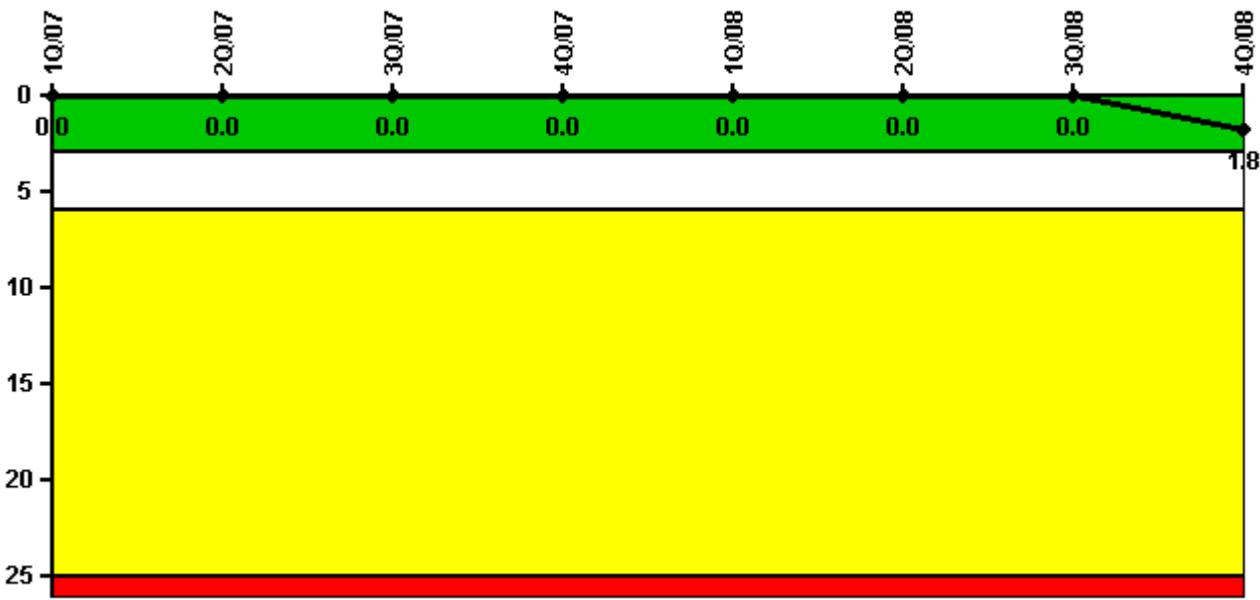
Last Modified: November 26, 2008

Arkansas Nuclear 1

4Q/2008 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



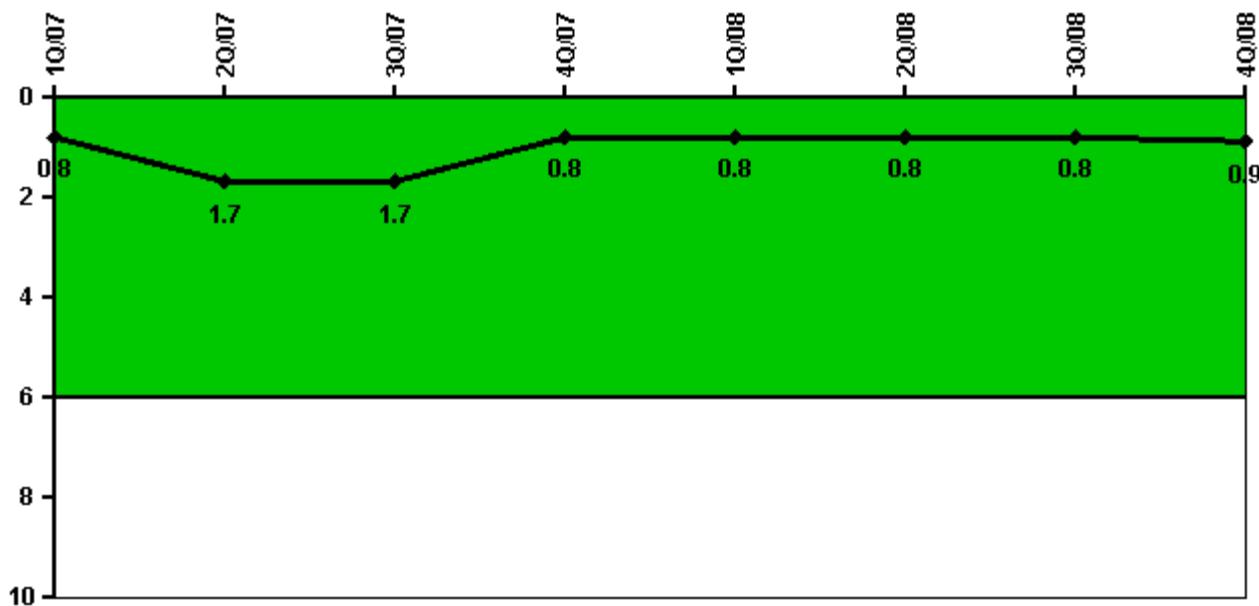
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0	0	0	0	2.0
Critical hours	2159.0	1689.2	2208.0	2209.0	2183.0	2184.0	2208.0	1010.4
Indicator value	0	0	0	0	0	0	0	1.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



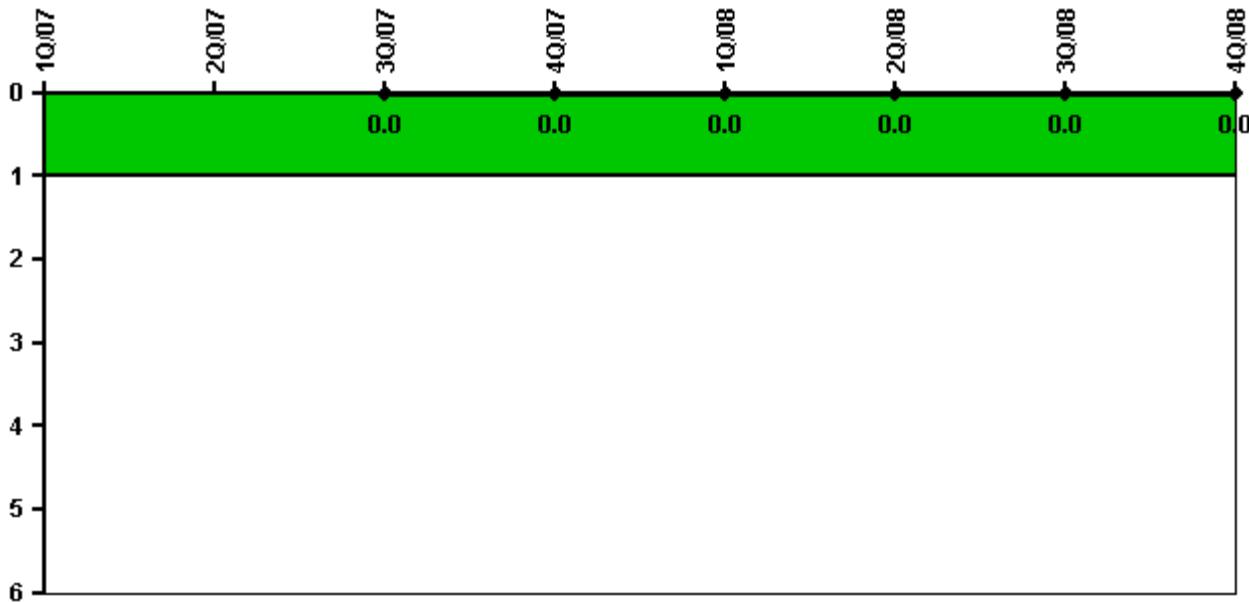
Thresholds: White > 6.0

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	1.0	0	0	0	1.0	0	0
Critical hours	2159.0	1689.2	2208.0	2209.0	2183.0	2184.0	2208.0	1010.4
Indicator value	0.8	1.7	1.7	0.8	0.8	0.8	0.8	0.9

Licensee Comments: none

Unplanned Scrams with Complications



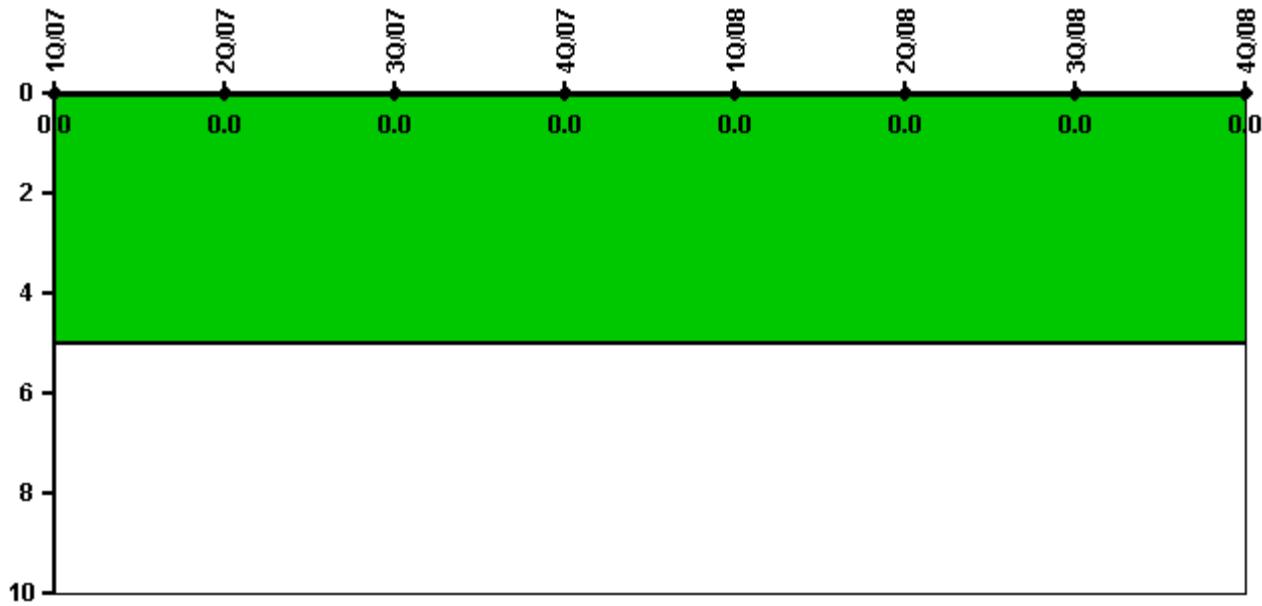
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



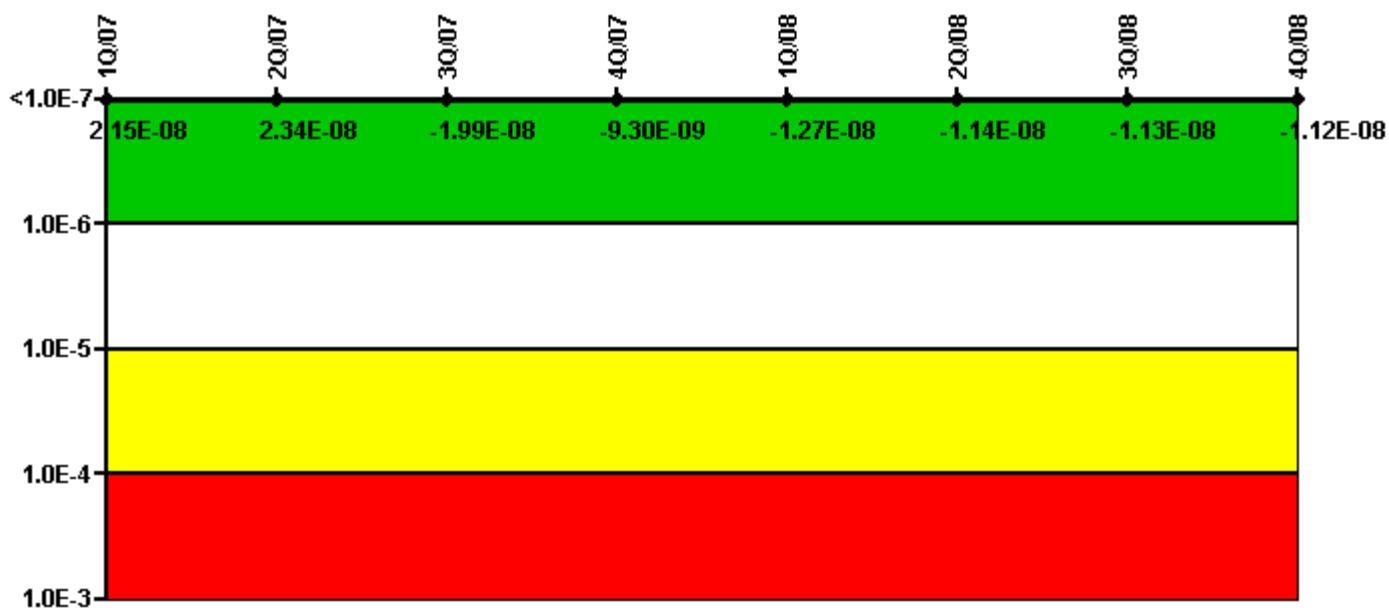
Thresholds: White > 5.0

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	0	0	0
Indicator value	0							

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



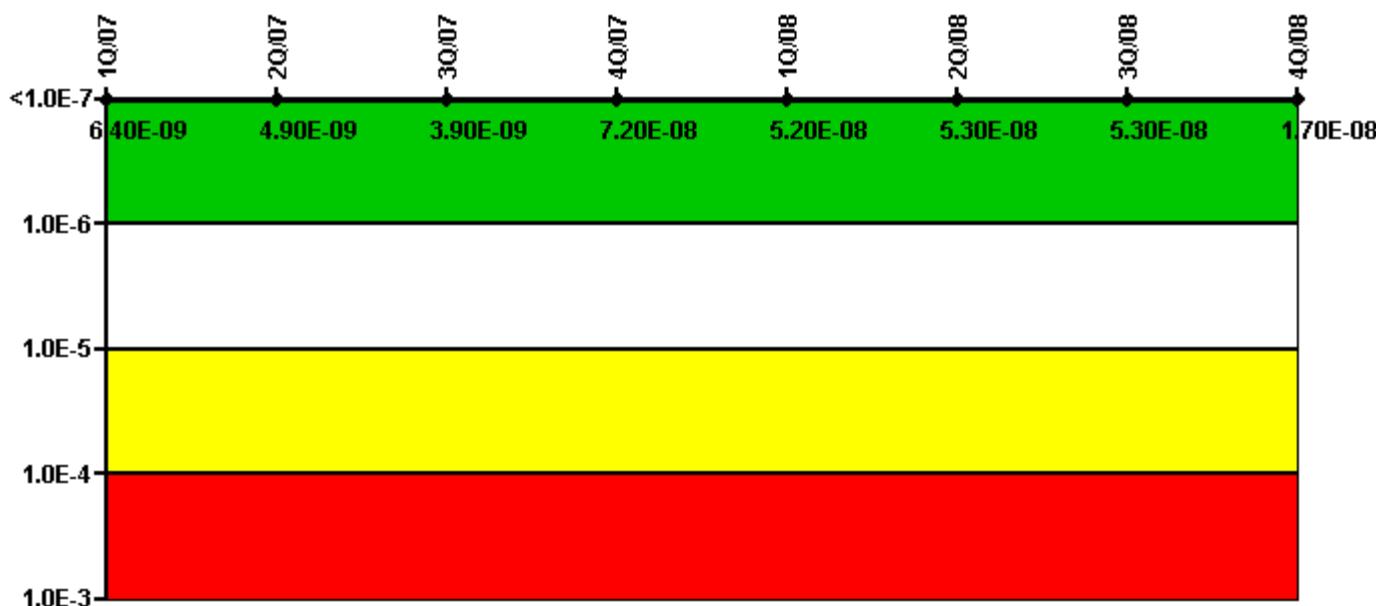
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (Δ CDF)	-2.50E-09	2.40E-09	1.10E-09	1.70E-09	-3.10E-09	-3.10E-09	-3.10E-09	-3.10E-09
URI (Δ CDF)	2.40E-08	2.10E-08	-2.10E-08	-1.10E-08	-9.60E-09	-8.30E-09	-8.20E-09	-8.10E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.15E-08	2.34E-08	-1.99E-08	-9.30E-09	-1.27E-08	-1.14E-08	-1.13E-08	-1.12E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



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

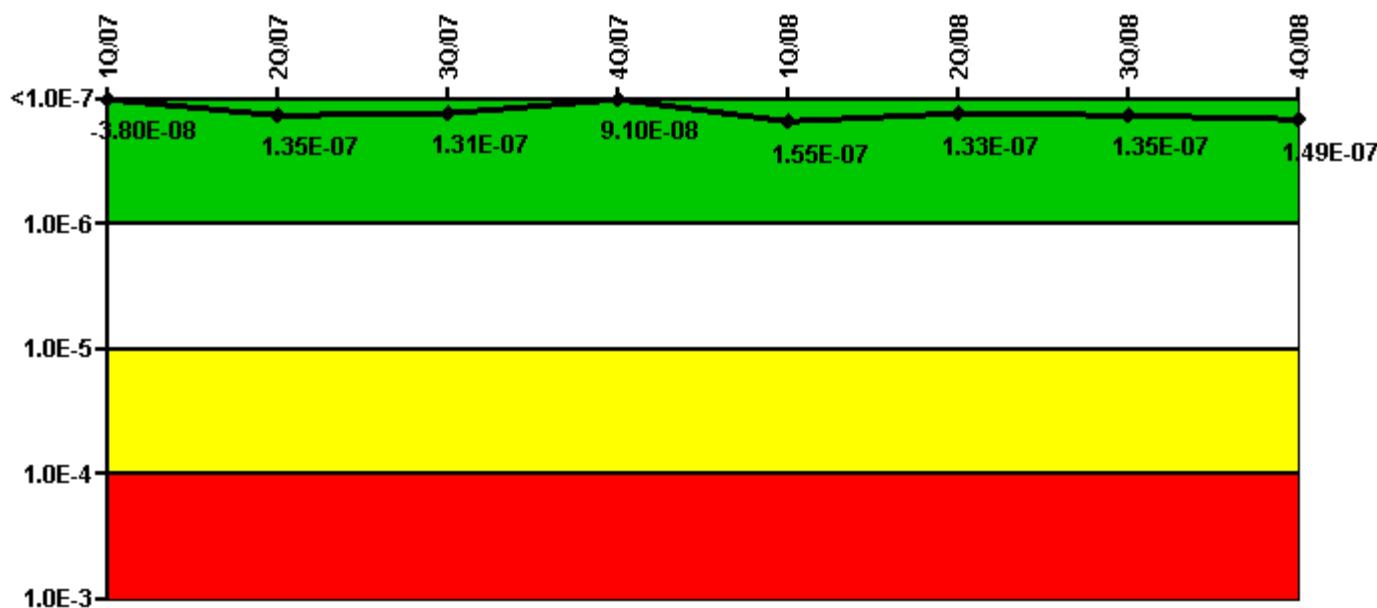
Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (Δ CDF)	-5.60E-09	-7.10E-09	-8.10E-09	6.00E-08	4.00E-08	4.00E-08	4.00E-08	3.60E-08
URI (Δ CDF)	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.30E-08	1.30E-08	-1.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	6.40E-09	4.90E-09	3.90E-09	7.20E-08	5.20E-08	5.30E-08	5.30E-08	1.70E-08

Licensee Comments:

4Q/08: 10.12 hours of HPI planned unavailability that was inadvertently omitted during the 3rd quarter 2008 submittal was added in the 4th quarter 2008 submittal, resulting in no change to the MSPI calculated UAI value.

Mitigating Systems Performance Index, Heat Removal System



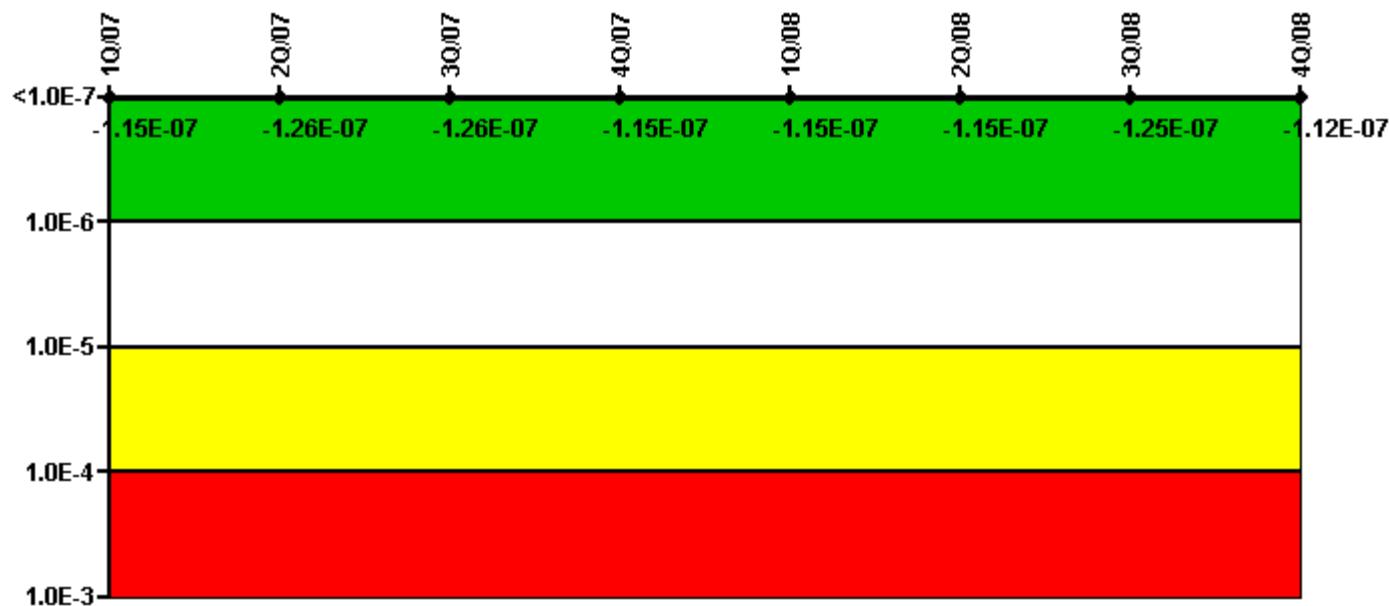
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	3.80E-08	8.30E-08	7.70E-08	3.20E-08	9.90E-08	7.30E-08	7.70E-08	9.10E-08
URI (ΔCDF)	-7.60E-08	5.20E-08	5.40E-08	5.90E-08	5.60E-08	6.00E-08	5.80E-08	5.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.80E-08	1.35E-07	1.31E-07	9.10E-08	1.55E-07	1.33E-07	1.35E-07	1.49E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



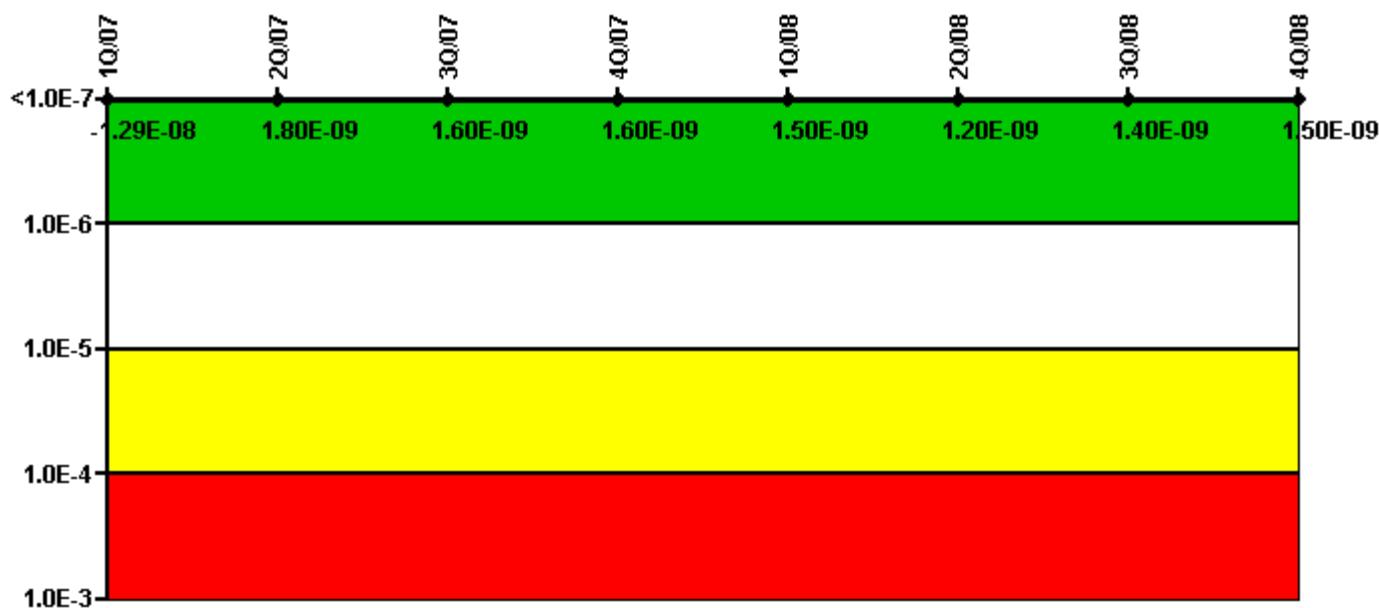
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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	-1.60E-08	-1.60E-08	-4.80E-09	-4.90E-09	-4.90E-09	-1.50E-08	-1.20E-08
URI (Δ CDF)	-1.00E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.00E-07
PLE	NO							
Indicator value	-1.15E-07	-1.26E-07	-1.26E-07	-1.15E-07	-1.15E-07	-1.15E-07	-1.25E-07	-1.12E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



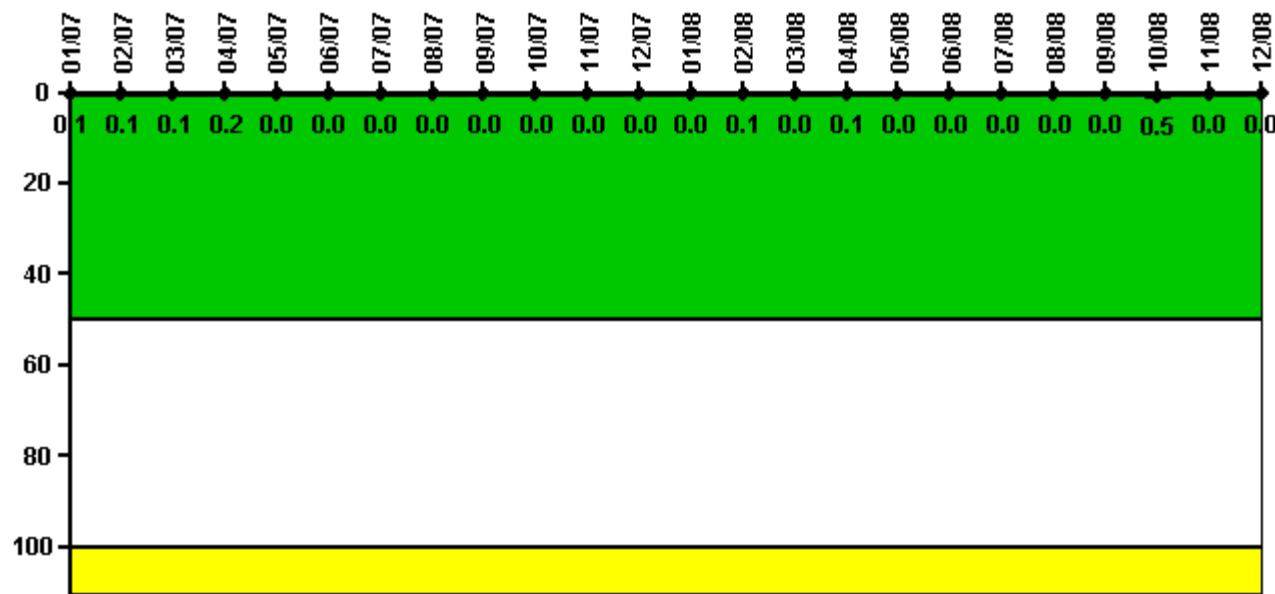
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-9.40E-10	-1.50E-09	-1.50E-09	-1.70E-09	-2.00E-09	-2.00E-09	-2.00E-09	-2.00E-09
URI (Δ CDF)	-1.20E-08	3.30E-09	3.10E-09	3.30E-09	3.50E-09	3.20E-09	3.40E-09	3.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.29E-08	1.80E-09	1.60E-09	1.60E-09	1.50E-09	1.20E-09	1.40E-09	1.50E-09

Licensee Comments: none

Reactor Coolant System Activity



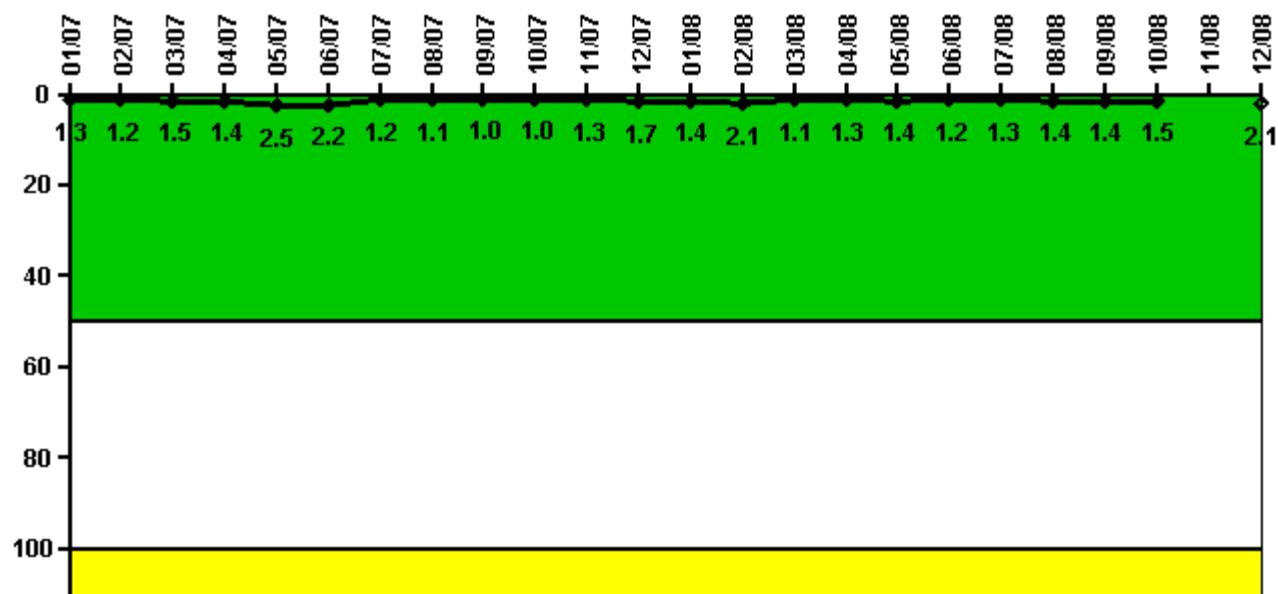
Thresholds: White > 50.0 Yellow > 100.0

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	0.002370	0.002400	0.002310	0.005490	0.000703	0.000797	0.000789	0.000852	0.000894	0.001160	0.001040	0.001060
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0.1	0.1	0.2	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum activity	0.001400	0.002640	0.001280	0.004000	0.001600	0.001290	0.001460	0.001470	0.001520	0.017700	0.000138	0.000259
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0.1	0	0.1	0	0	0	0	0	0.5	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

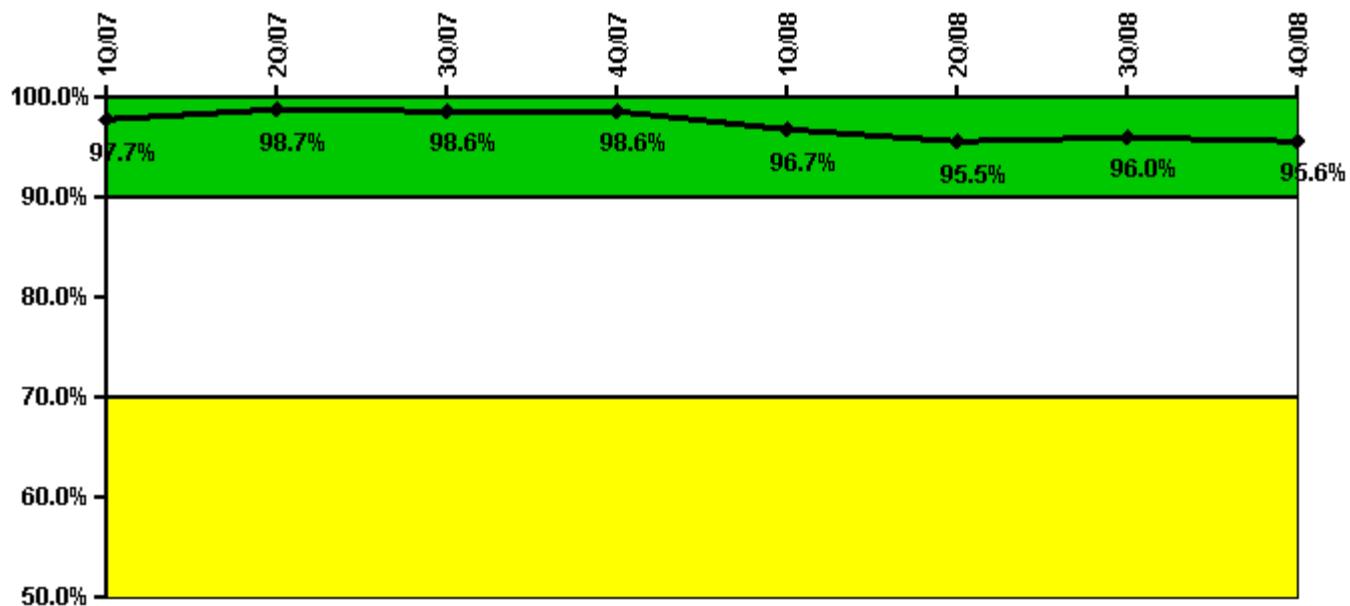
Notes

Reactor Coolant System Leakage	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum leakage	0.129	0.120	0.151	0.135	0.252	0.220	0.119	0.113	0.102	0.104	0.130	0.171
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	1.5	1.4	2.5	2.2	1.2	1.1	1.0	1.0	1.3	1.7
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	0.141	0.212	0.109	0.134	0.137	0.122	0.131	0.143	0.143	0.153	N/A	0.214
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	2.1	1.1	1.3	1.4	1.2	1.3	1.4	1.4	1.5	N/A	2.1

Licensee Comments:

12/08: Total Leakage is being used for this indicator in lieu of Identified Leakage. ANO-1 was off-line during the entire month of November for scheduled refueling.

Drill/Exercise Performance



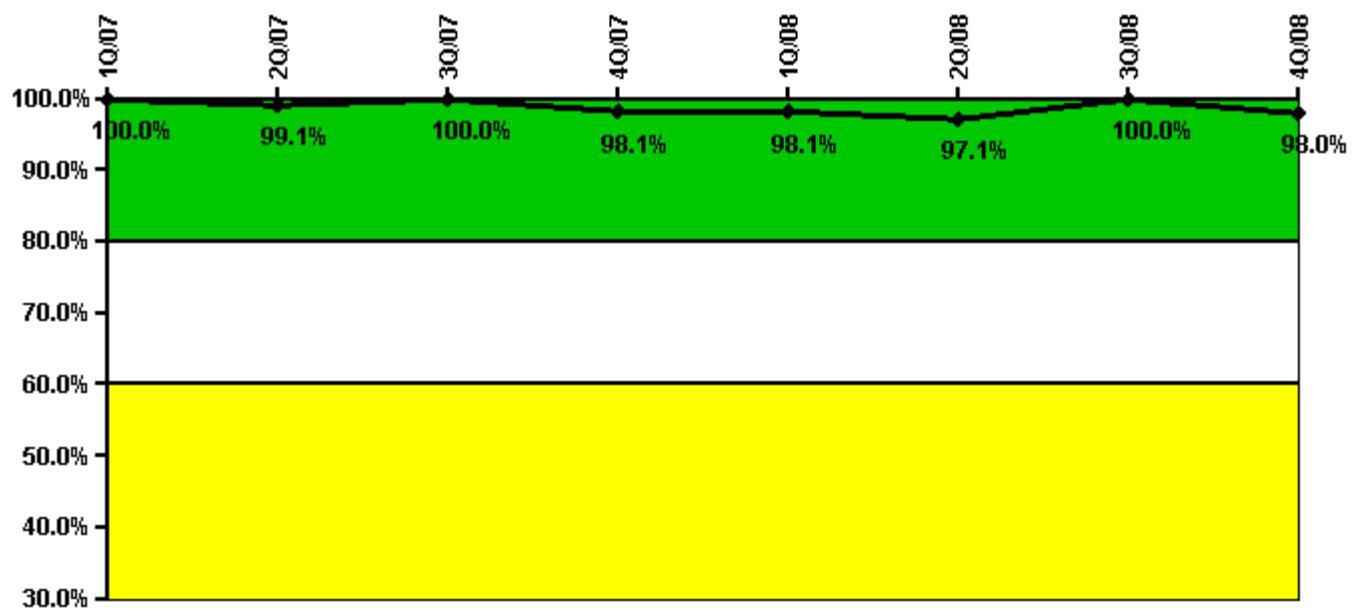
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful opportunities	7.0	23.0	21.0	4.0	11.0	34.0	26.0	4.0
Total opportunities	7.0	23.0	22.0	4.0	14.0	36.0	26.0	4.0
Indicator value	97.7%	98.7%	98.6%	98.6%	96.7%	95.5%	96.0%	95.6%

Licensee Comments: none

ERO Drill Participation



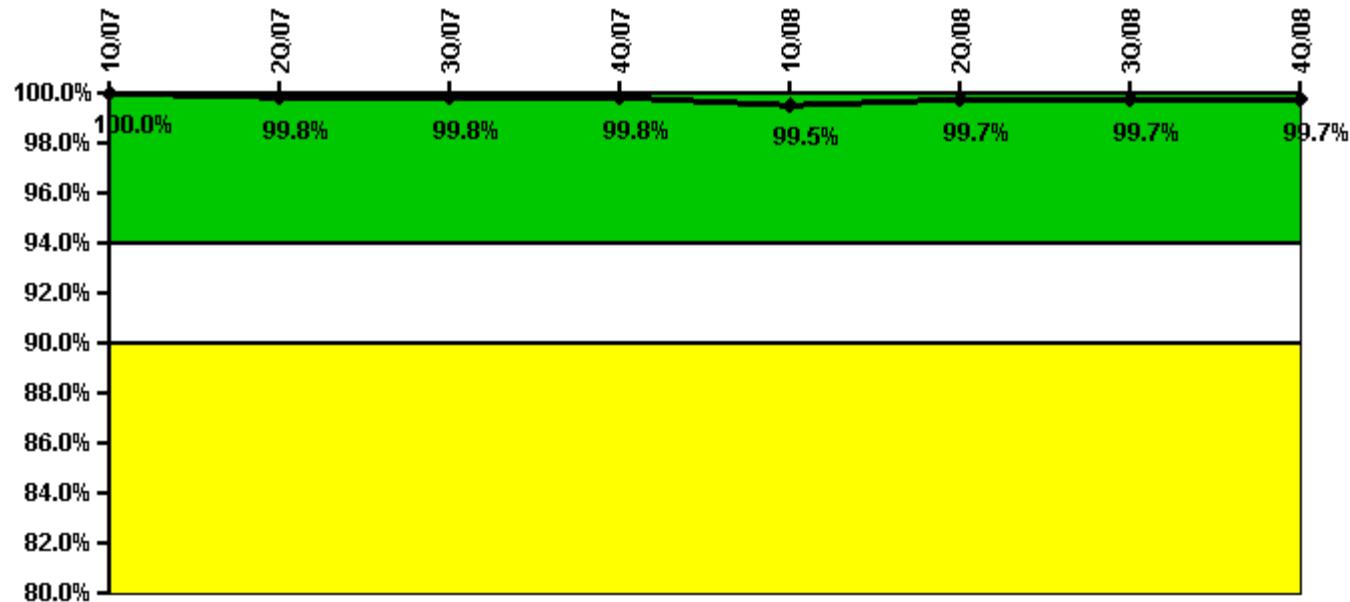
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Participating Key personnel	115.0	111.0	107.0	103.0	103.0	101.0	105.0	100.0
Total Key personnel	115.0	112.0	107.0	105.0	105.0	104.0	105.0	102.0
Indicator value	100.0%	99.1%	100.0%	98.1%	98.1%	97.1%	100.0%	98.0%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful siren-tests	147	146	147	147	145	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	100.0%	99.8%	99.8%	99.8%	99.5%	99.7%	99.7%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



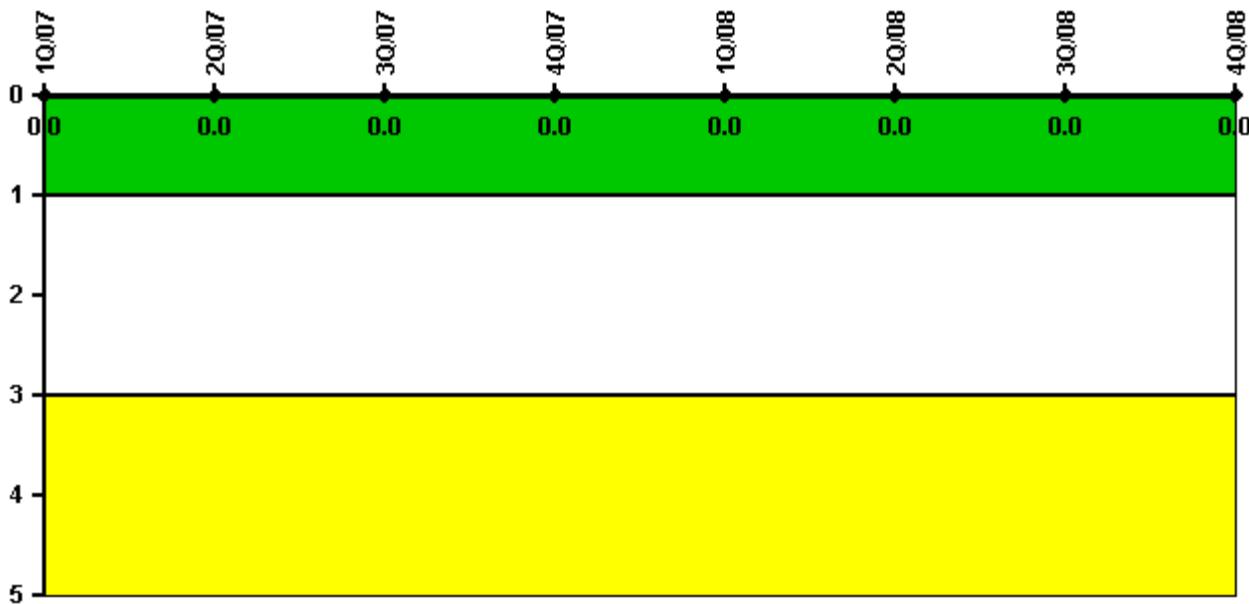
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

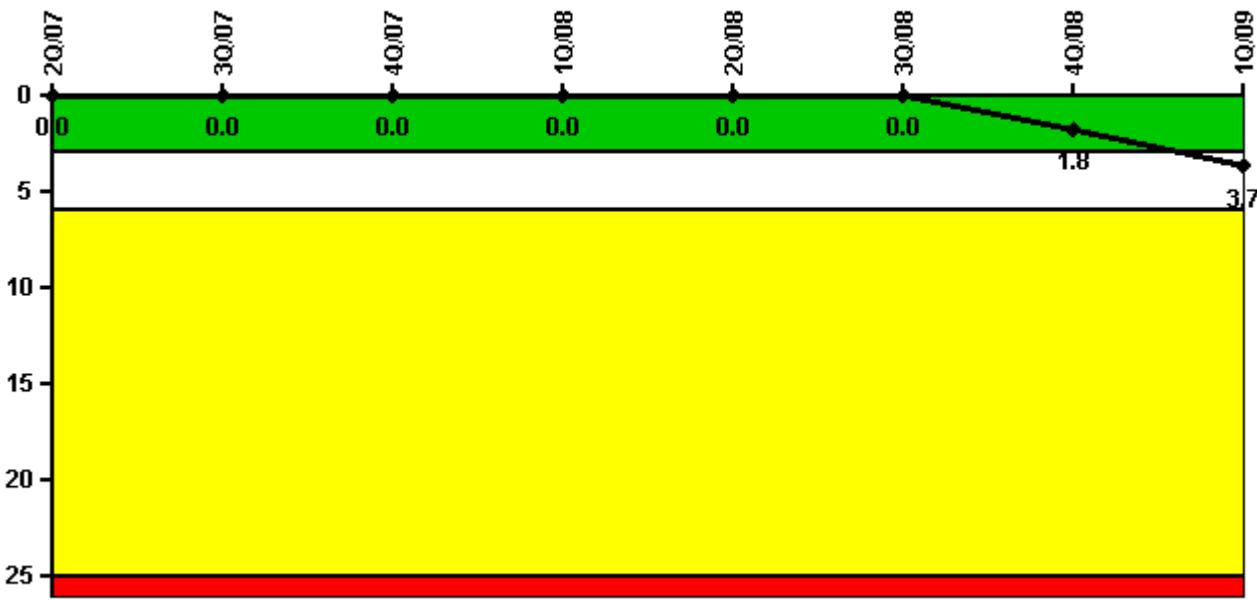
[Security](#) information not publicly available.

Arkansas Nuclear 1

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

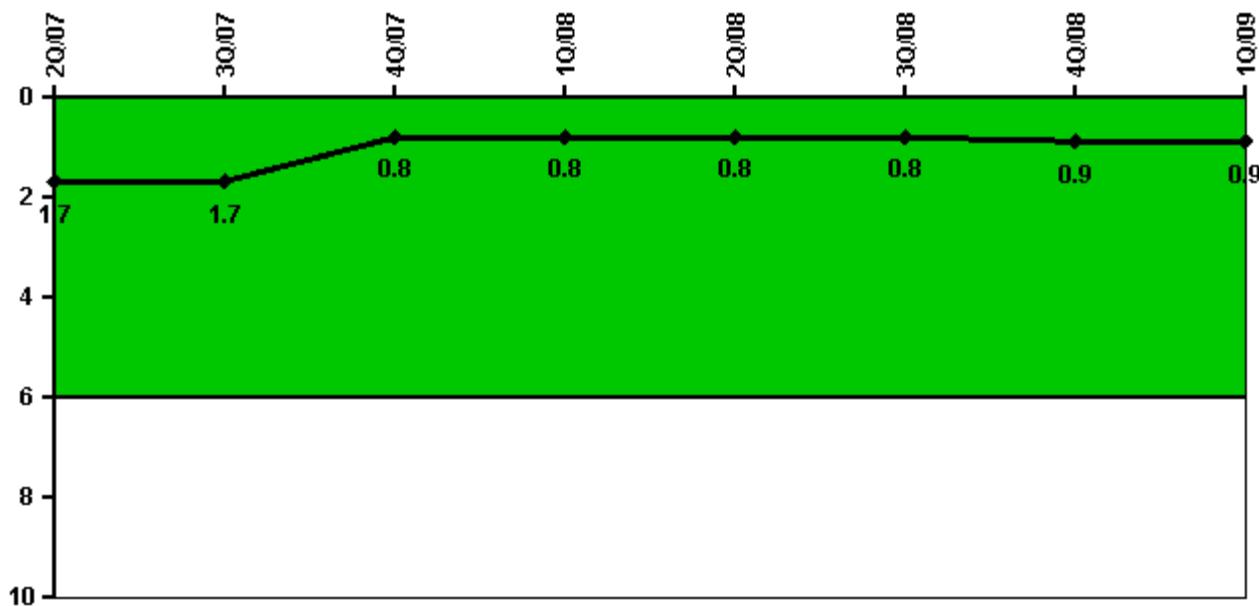
Notes

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	0	0	0	2.0	2.0
Critical hours	1689.2	2208.0	2209.0	2183.0	2184.0	2208.0	1010.4	2069.3
Indicator value	0	0	0	0	0	0	1.8	3.7

Licensee Comments:

1Q/09: Required comment per NEI 99-02 Revision 5: ANO-1 has exceeded the GREEN/WHITE threshold for Unplanned Scrams per 7000 Critical Hours, due to 2 unplanned manual scrams in December 2008, and 2 unplanned manual scrams in February 2009.

Unplanned Power Changes per 7000 Critical Hrs



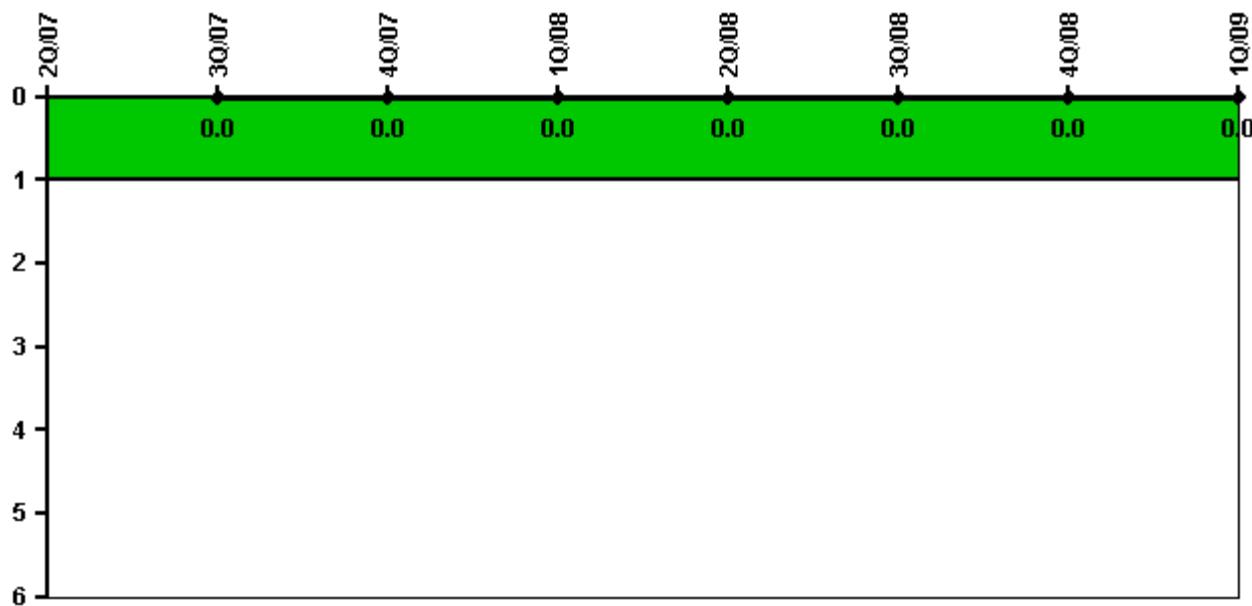
Thresholds: White > 6.0

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	1.0	0	0	0	1.0	0	0	0
Critical hours	1689.2	2208.0	2209.0	2183.0	2184.0	2208.0	1010.4	2069.3
Indicator value	1.7	1.7	0.8	0.8	0.8	0.8	0.9	0.9

Licensee Comments: none

Unplanned Scrams with Complications



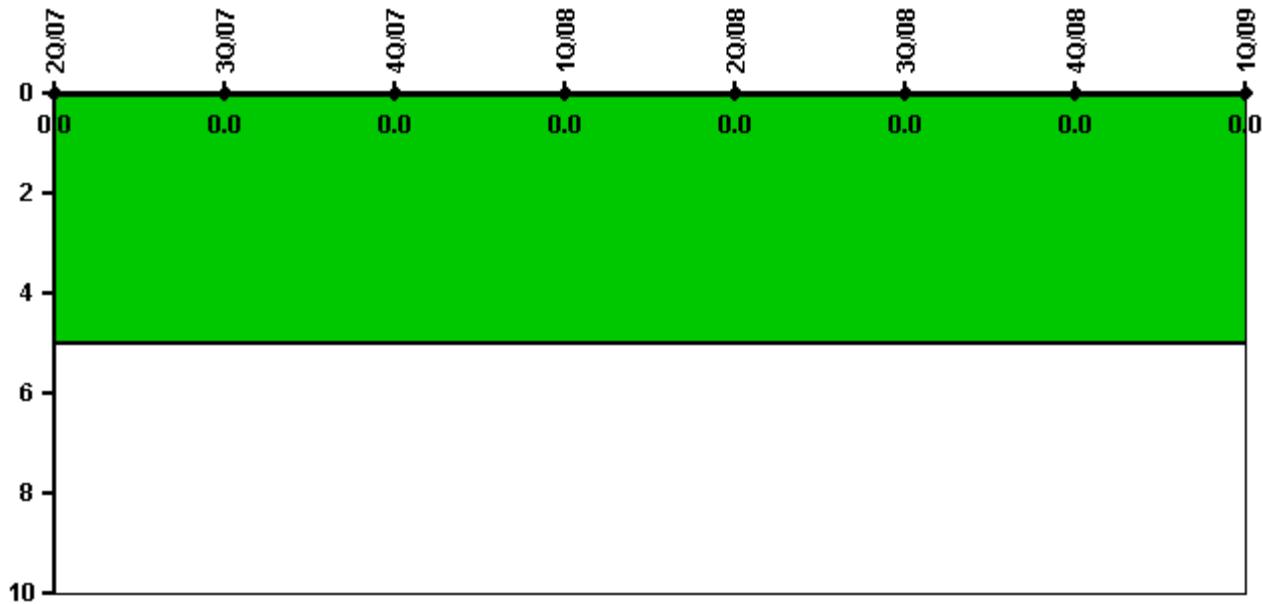
Thresholds: White > 1.0

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)



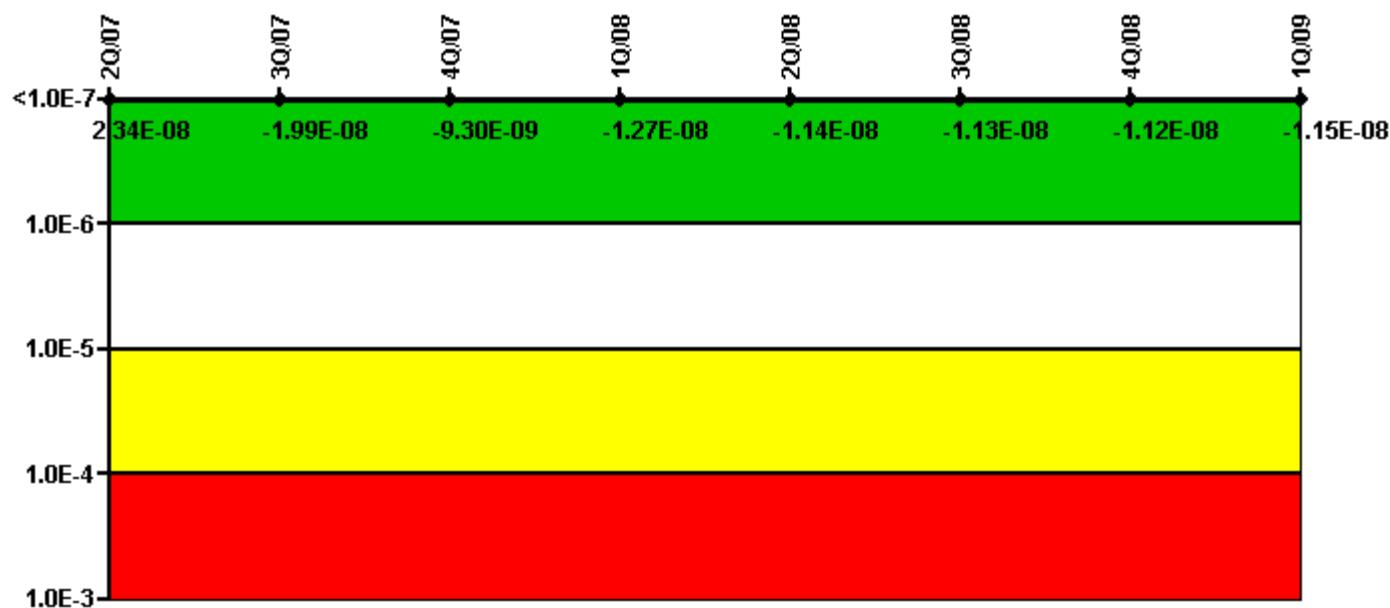
Thresholds: White > 5.0

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	0	0	0	0
Indicator value	0							

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



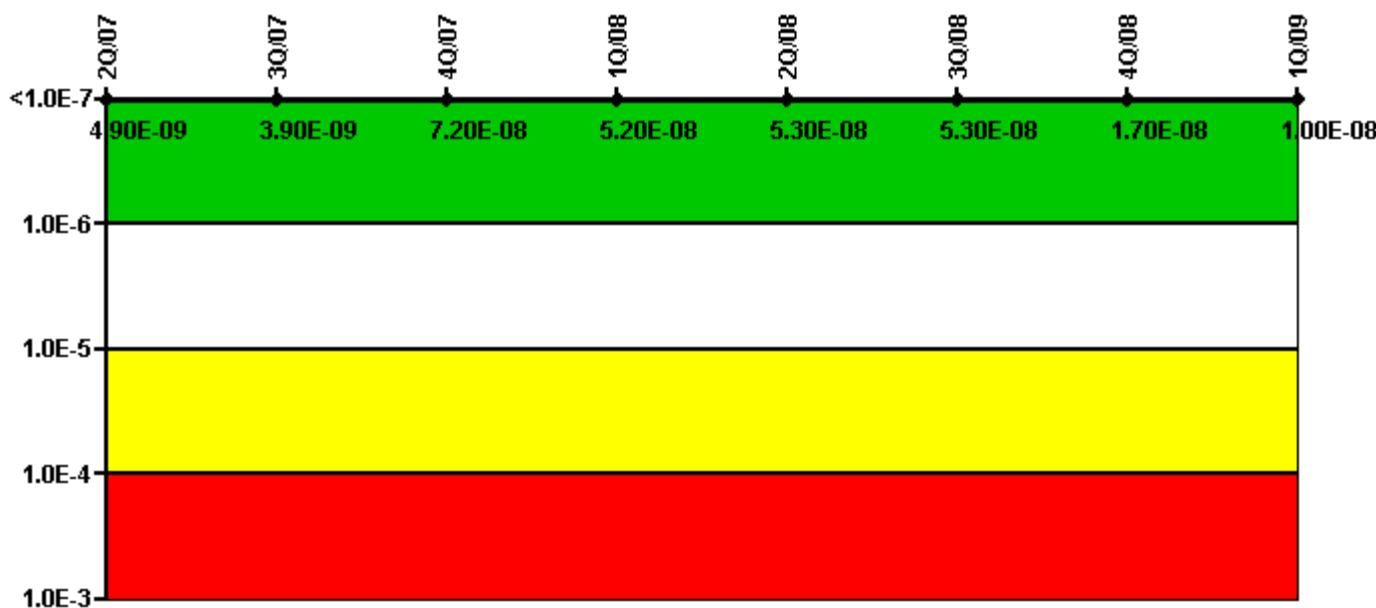
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	2.40E-09	1.10E-09	1.70E-09	-3.10E-09	-3.10E-09	-3.10E-09	-3.10E-09	-3.10E-09
URI (ΔCDF)	2.10E-08	-2.10E-08	-1.10E-08	-9.60E-09	-8.30E-09	-8.20E-09	-8.10E-09	-8.40E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.34E-08	-1.99E-08	-9.30E-09	-1.27E-08	-1.14E-08	-1.13E-08	-1.12E-08	-1.15E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



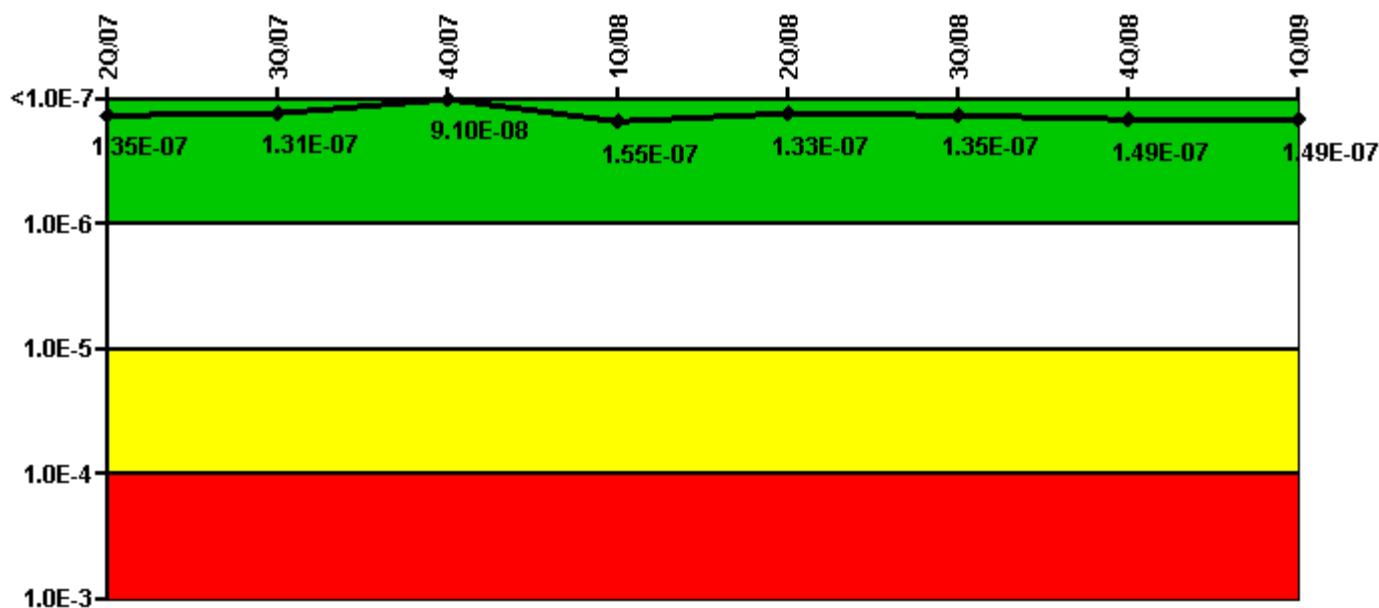
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (Δ CDF)	-7.10E-09	-8.10E-09	6.00E-08	4.00E-08	4.00E-08	4.00E-08	3.60E-08	2.90E-08
URI (Δ CDF)	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.30E-08	1.30E-08	-1.90E-08	-1.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.90E-09	3.90E-09	7.20E-08	5.20E-08	5.30E-08	5.30E-08	1.70E-08	1.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



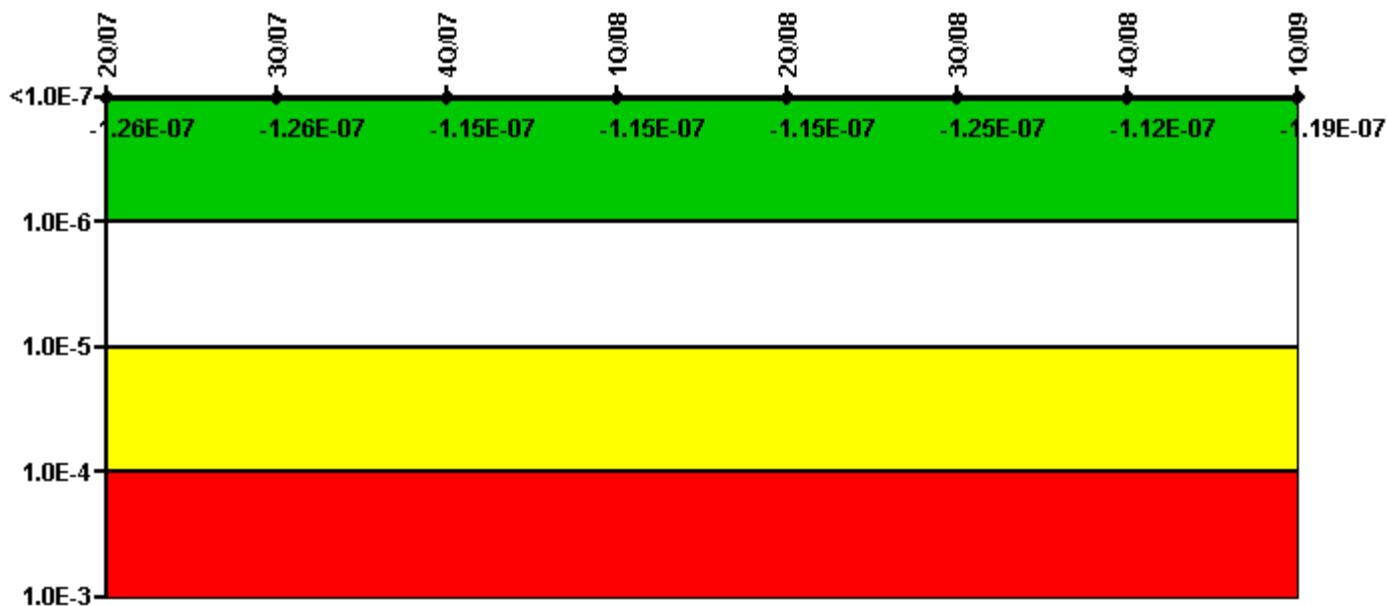
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	8.30E-08	7.70E-08	3.20E-08	9.90E-08	7.30E-08	7.70E-08	9.10E-08	9.20E-08
URI (ΔCDF)	5.20E-08	5.40E-08	5.90E-08	5.60E-08	6.00E-08	5.80E-08	5.80E-08	5.70E-08
PLE	NO							
Indicator value	1.35E-07	1.31E-07	9.10E-08	1.55E-07	1.33E-07	1.35E-07	1.49E-07	1.49E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



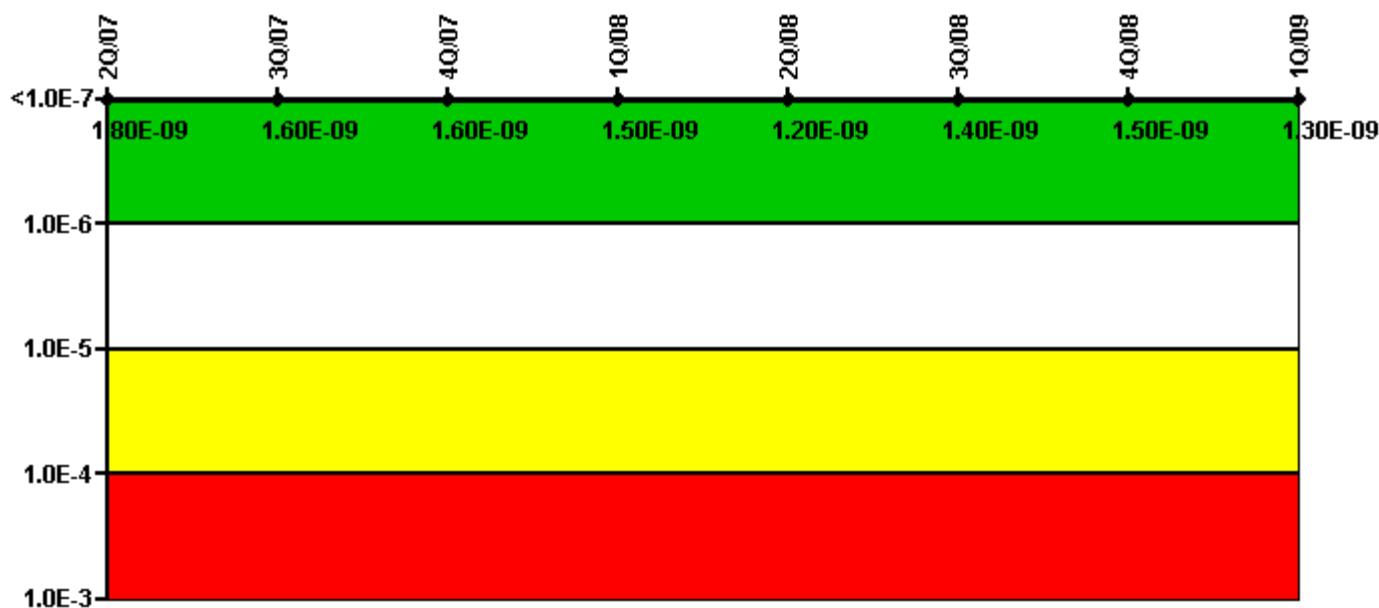
Thresholds: White > $1.00\text{E-}6$ Yellow > $1.00\text{E-}5$ Red > $1.00\text{E-}4$

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (Δ CDF)	-1.60E-08	-1.60E-08	-4.80E-09	-4.90E-09	-4.90E-09	-1.50E-08	-1.20E-08	-1.90E-08
URI (Δ CDF)	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.00E-07	-1.00E-07
PLE	NO							
Indicator value	-1.26E-07	-1.26E-07	-1.15E-07	-1.15E-07	-1.15E-07	-1.25E-07	-1.12E-07	-1.19E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



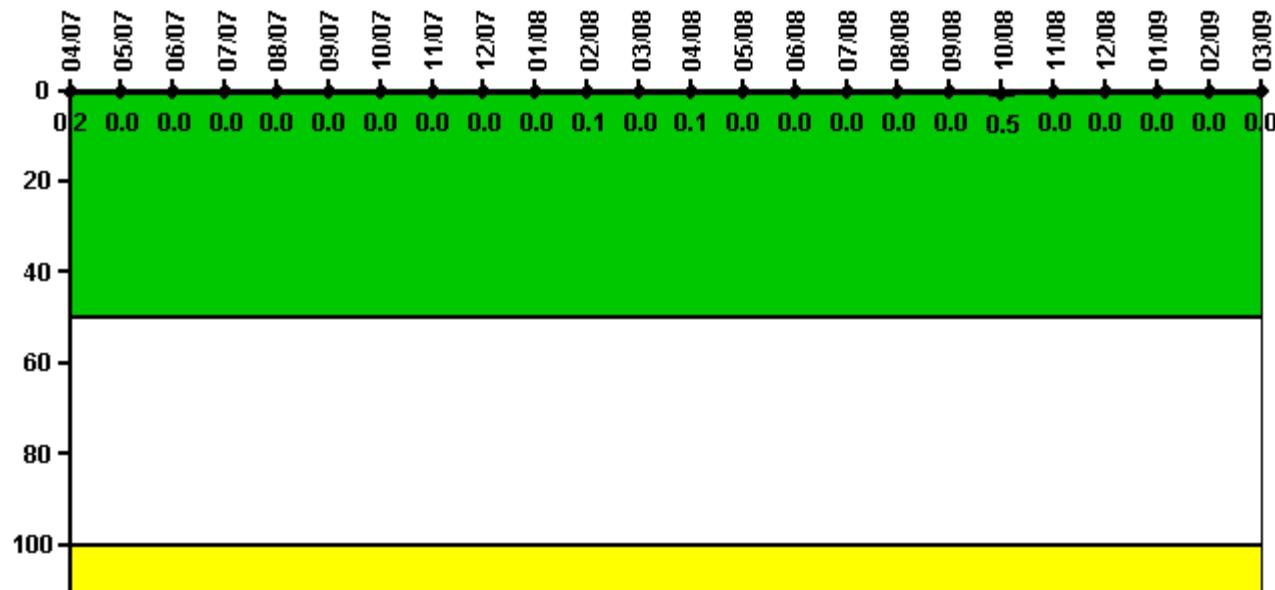
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-1.50E-09	-1.50E-09	-1.70E-09	-2.00E-09	-2.00E-09	-2.00E-09	-2.00E-09	-2.00E-09
URI (Δ CDF)	3.30E-09	3.10E-09	3.30E-09	3.50E-09	3.20E-09	3.40E-09	3.50E-09	3.30E-09
PLE	NO							
Indicator value	1.80E-09	1.60E-09	1.60E-09	1.50E-09	1.20E-09	1.40E-09	1.50E-09	1.30E-09

Licensee Comments: none

Reactor Coolant System Activity



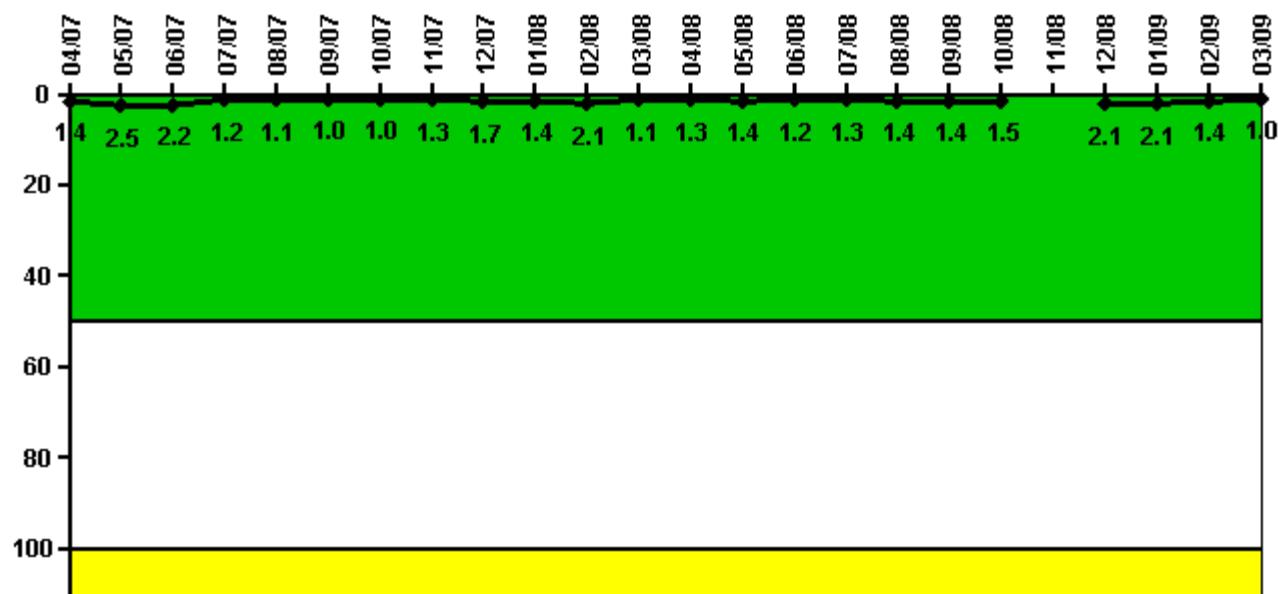
Thresholds: White > 50.0 Yellow > 100.0

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	0.005490	0.000703	0.000797	0.000789	0.000852	0.000894	0.001160	0.001040	0.001060	0.001400	0.002640	0.001280
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.2	0	0	0	0.1	0						
Reactor Coolant System Activity	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09
Maximum activity	0.004000	0.001600	0.001290	0.001460	0.001470	0.001520	0.017700	0.000138	0.000259	0.000364	0.000369	0.000293
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0	0	0	0	0	0	0.5	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

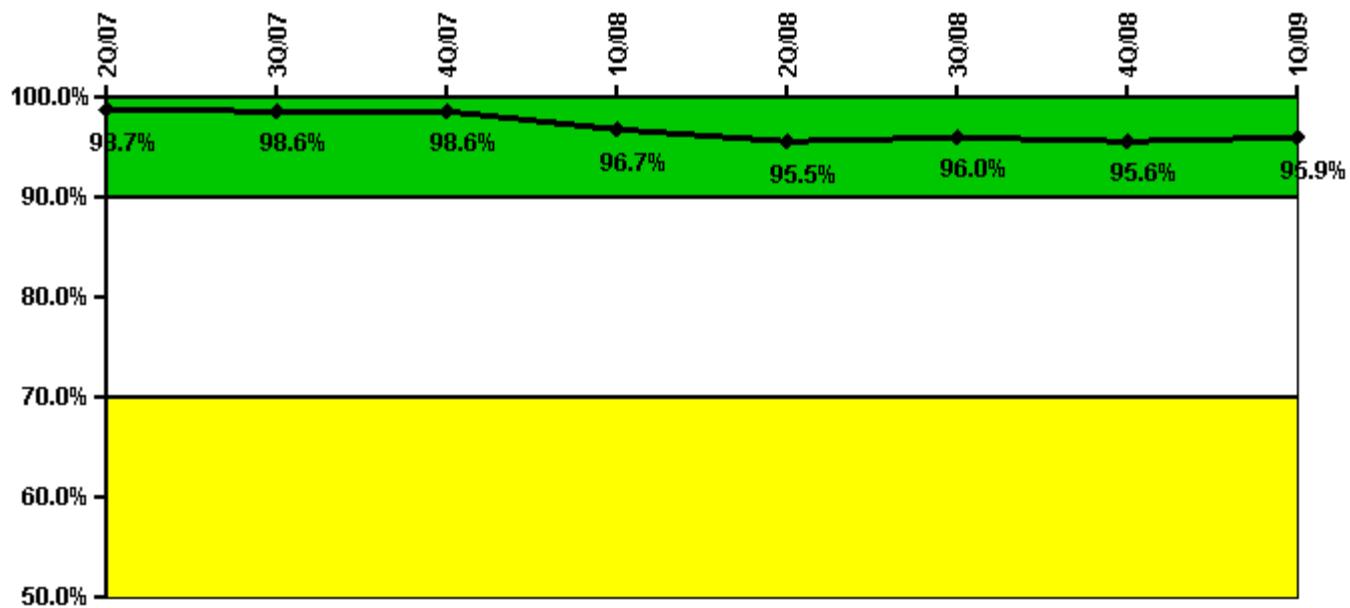
Notes

Reactor Coolant System Leakage	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum leakage	0.135	0.252	0.220	0.119	0.113	0.102	0.104	0.130	0.171	0.141	0.212	0.109
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	2.5	2.2	1.2	1.1	1.0	1.0	1.3	1.7	1.4	2.1	1.1
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	0.134	0.137	0.122	0.131	0.143	0.143	0.153	N/A	0.214	0.205	0.135	0.103
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	1.4	1.2	1.3	1.4	1.4	1.5	N/A	2.1	2.1	1.4	1.0

Licensee Comments:

3/09: Total RCS Leakage is being reported in lieu of Identified Leakage.

Drill/Exercise Performance



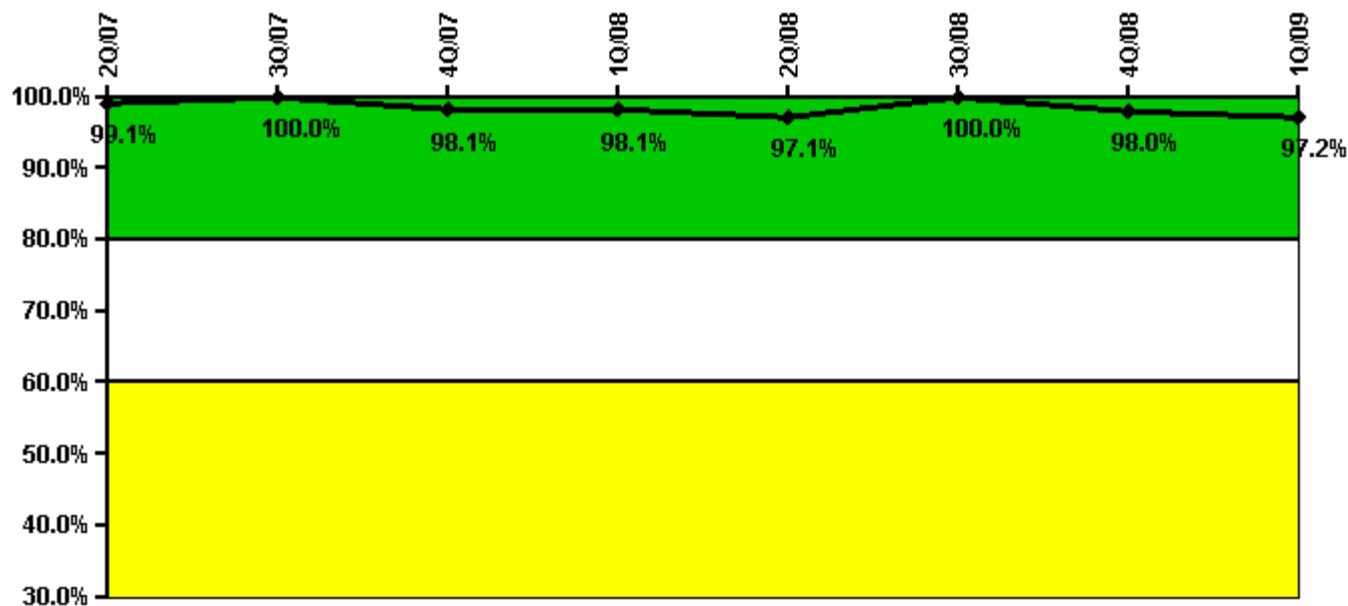
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful opportunities	23.0	21.0	4.0	11.0	34.0	26.0	4.0	18.0
Total opportunities	23.0	22.0	4.0	14.0	36.0	26.0	4.0	18.0
Indicator value	98.7%	98.6%	98.6%	96.7%	95.5%	96.0%	95.6%	95.9%

Licensee Comments: none

ERO Drill Participation



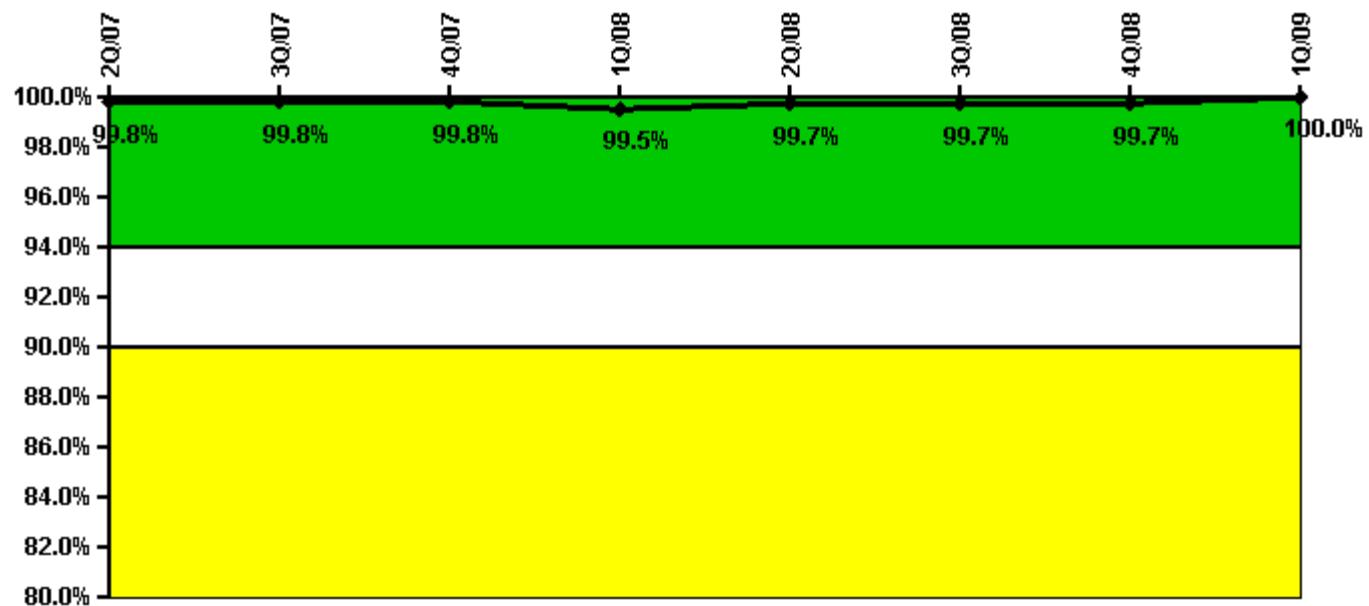
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Participating Key personnel	111.0	107.0	103.0	103.0	101.0	105.0	100.0	103.0
Total Key personnel	112.0	107.0	105.0	105.0	104.0	105.0	102.0	106.0
Indicator value	99.1%	100.0%	98.1%	98.1%	97.1%	100.0%	98.0%	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	146	147	147	145	147	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.8%	99.8%	99.8%	99.5%	99.7%	99.7%	99.7%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



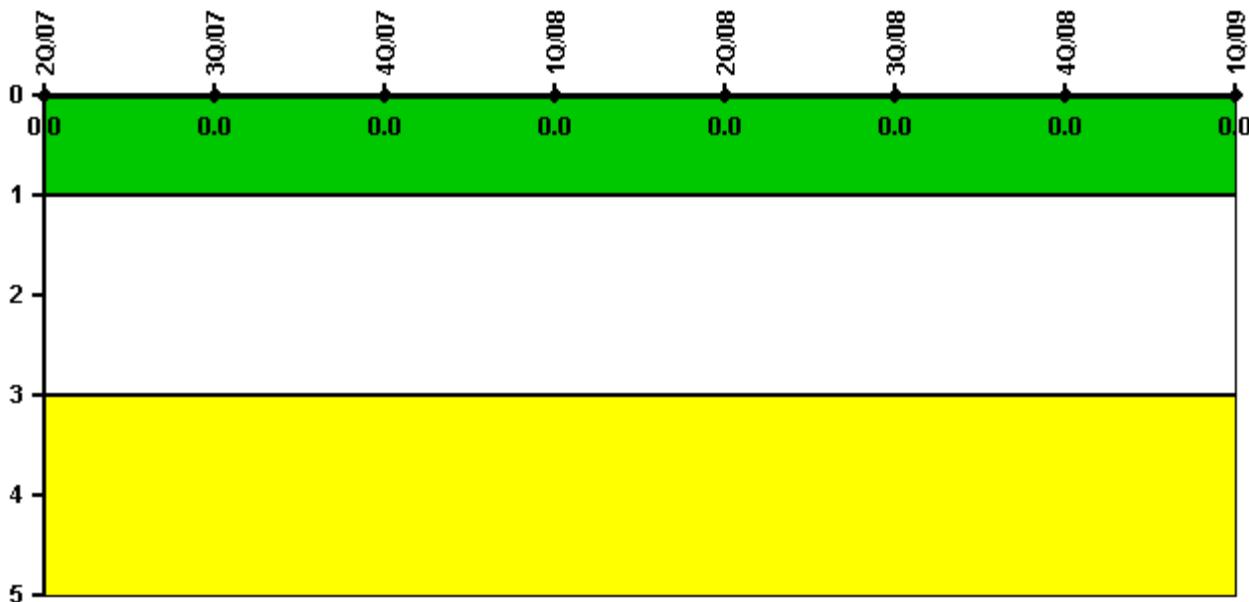
Thresholds: White > 2.0 Yellow > 5.0

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](#)

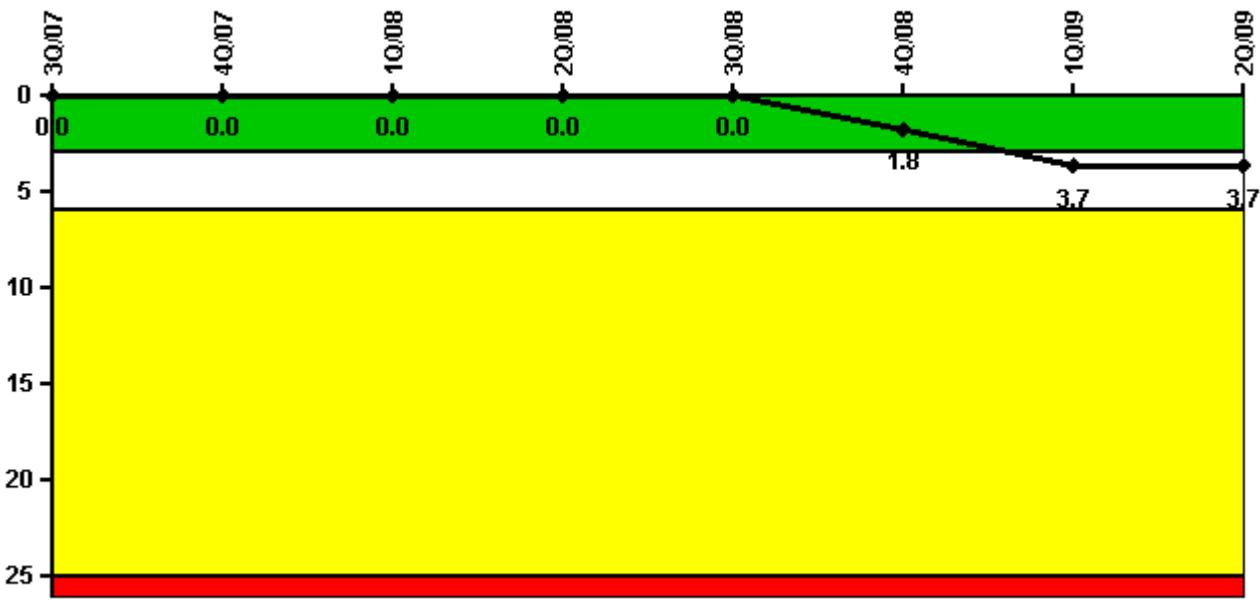
Last Modified: May 1, 2009

Arkansas Nuclear 1

2Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

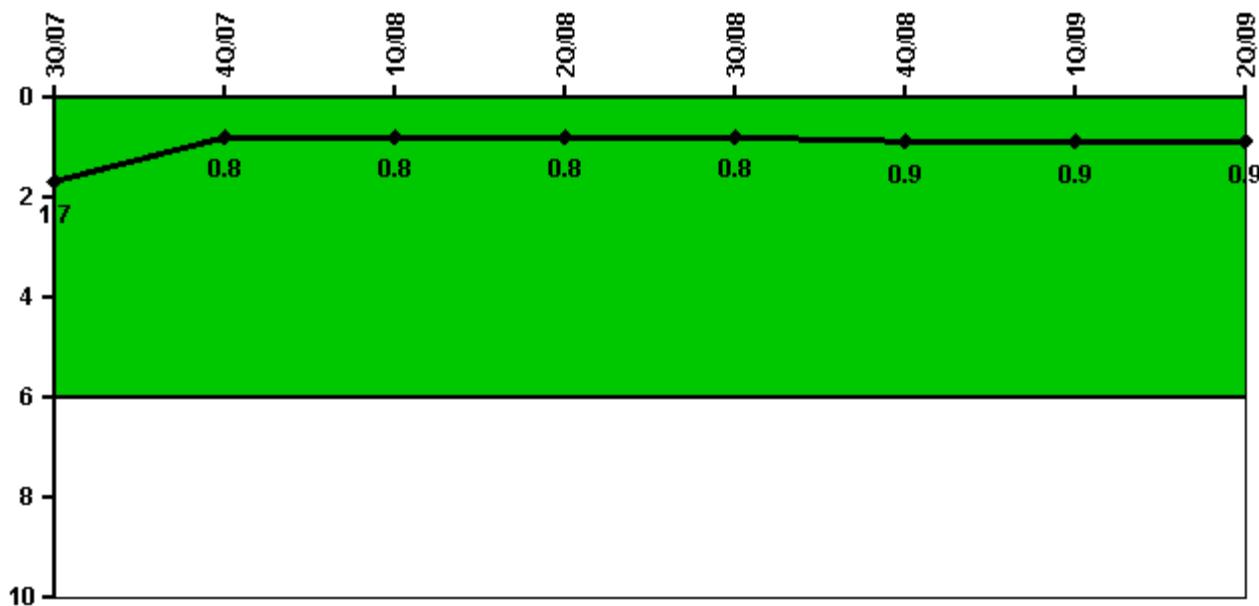
Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned scrams	0	0	0	0	0	2.0	2.0	0
Critical hours	2208.0	2209.0	2183.0	2184.0	2208.0	1010.4	2069.3	2184.0
Indicator value	0	0	0	0	0	1.8	3.7	3.7

Licensee Comments:

2Q/09: Required comment per NEI 99-02 Revision 5: ANO-1 has exceeded the GREEN/WHITE threshold for Unplanned Scrams per 7000 Critical Hours, due to 2 unplanned manual scrams in December 2008, and 2 unplanned manual scrams in February 2009.

Unplanned Power Changes per 7000 Critical Hrs



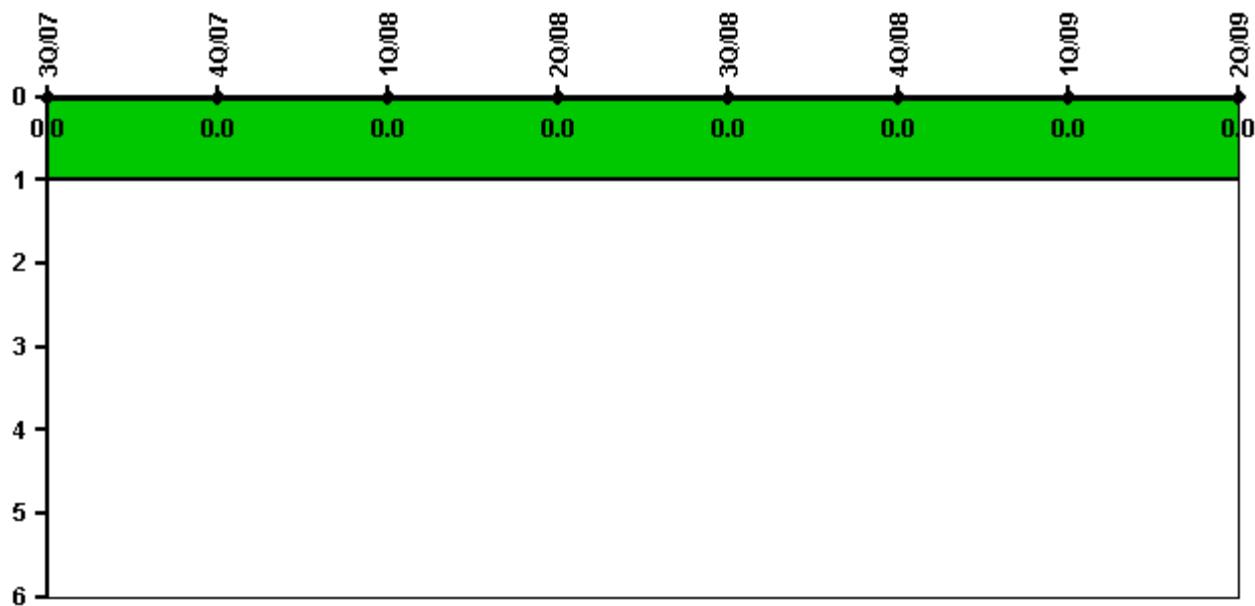
Thresholds: White > 6.0

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	1.0	0	0	0	1.0
Critical hours	2208.0	2209.0	2183.0	2184.0	2208.0	1010.4	2069.3	2184.0
Indicator value	1.7	0.8	0.8	0.8	0.8	0.9	0.9	0.9

Licensee Comments: none

Unplanned Scrams with Complications



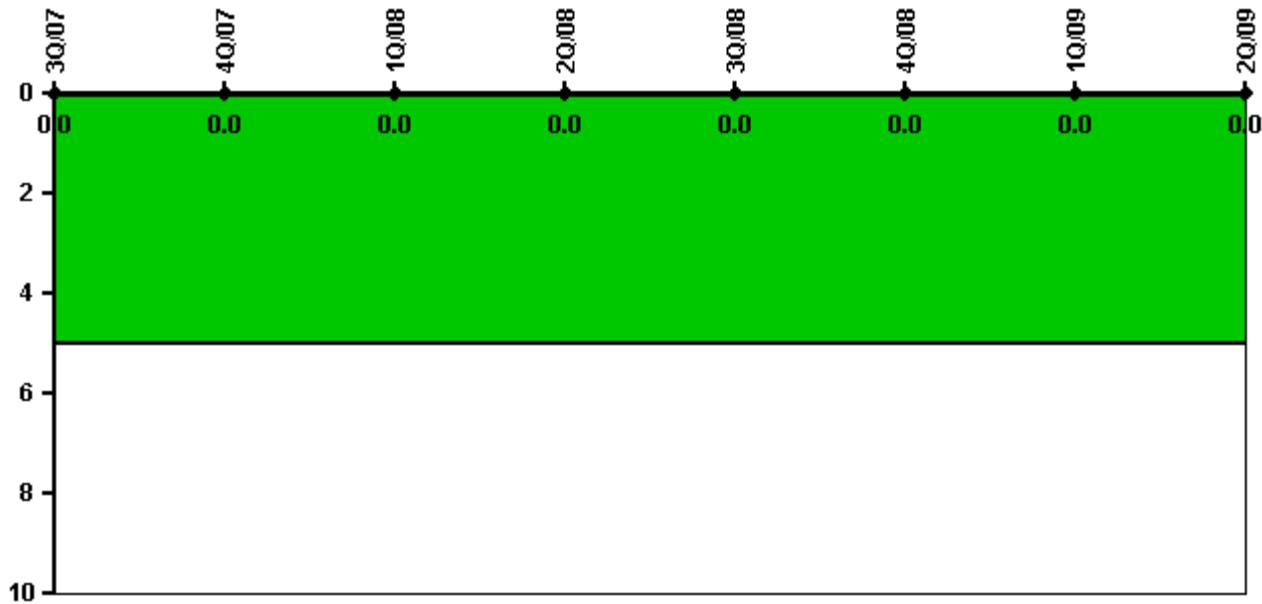
Thresholds: White > 1.0

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)



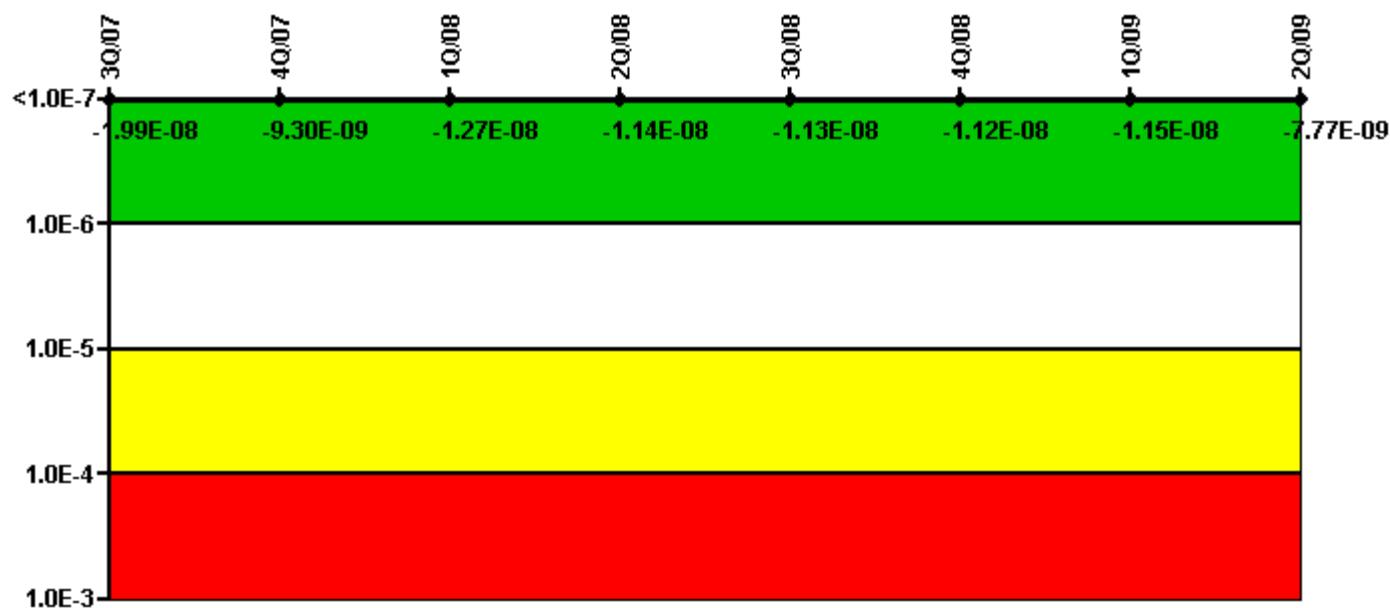
Thresholds: White > 5.0

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	0	0	0	0	0
Indicator value	0							

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



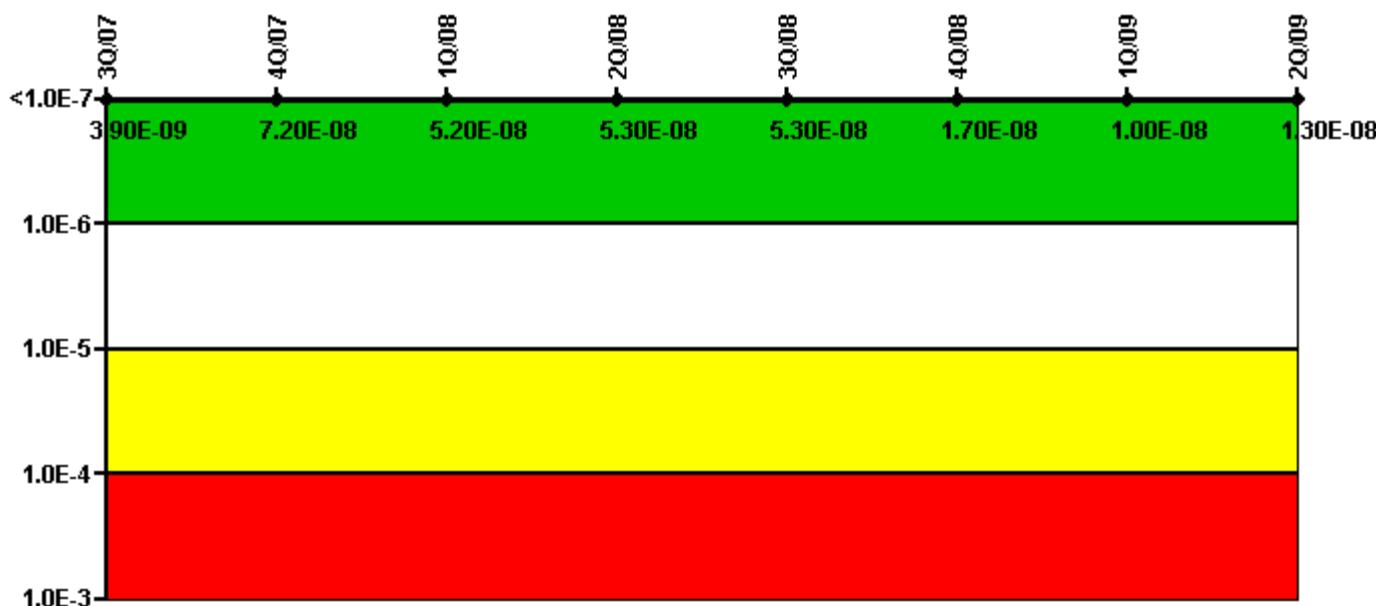
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	1.10E-09	1.70E-09	-3.10E-09	-3.10E-09	-3.10E-09	-3.10E-09	-3.10E-09	9.30E-10
URI (ΔCDF)	-2.10E-08	-1.10E-08	-9.60E-09	-8.30E-09	-8.20E-09	-8.10E-09	-8.40E-09	-8.70E-09
PLE	NO							
Indicator value	-1.99E-08	-9.30E-09	-1.27E-08	-1.14E-08	-1.13E-08	-1.12E-08	-1.15E-08	-7.77E-09

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



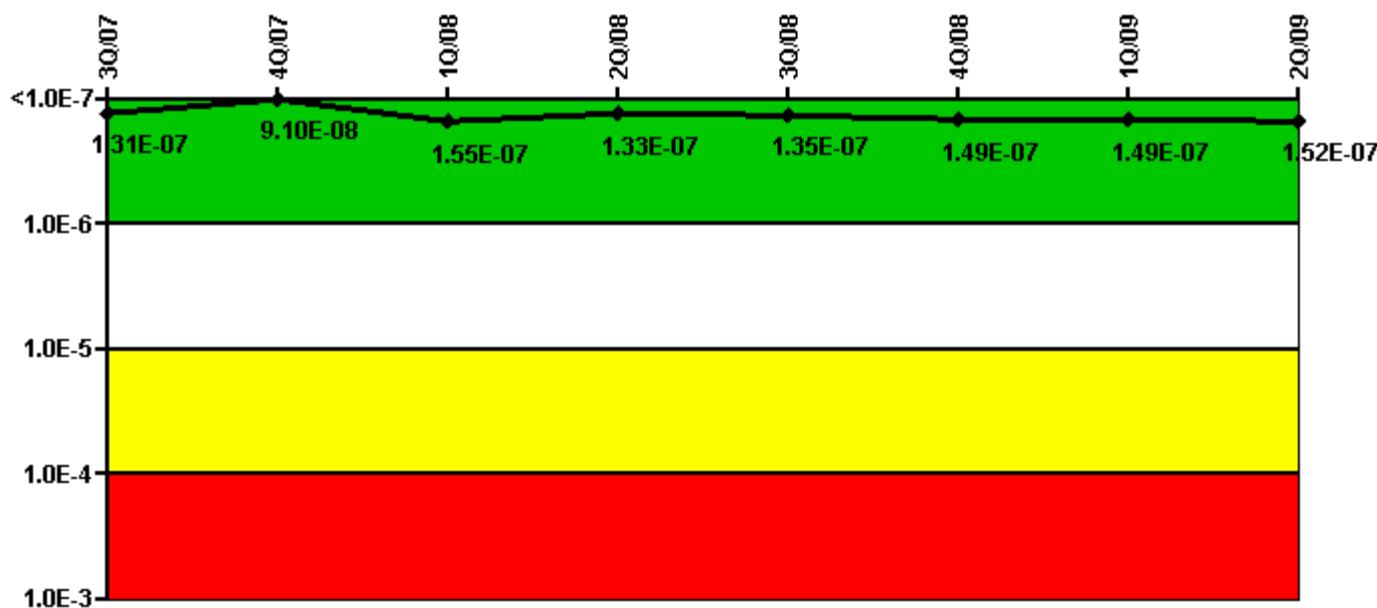
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (Δ CDF)	-8.10E-09	6.00E-08	4.00E-08	4.00E-08	4.00E-08	3.60E-08	2.90E-08	3.20E-08
URI (Δ CDF)	1.20E-08	1.20E-08	1.20E-08	1.30E-08	1.30E-08	-1.90E-08	-1.90E-08	-1.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.90E-09	7.20E-08	5.20E-08	5.30E-08	5.30E-08	1.70E-08	1.00E-08	1.30E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



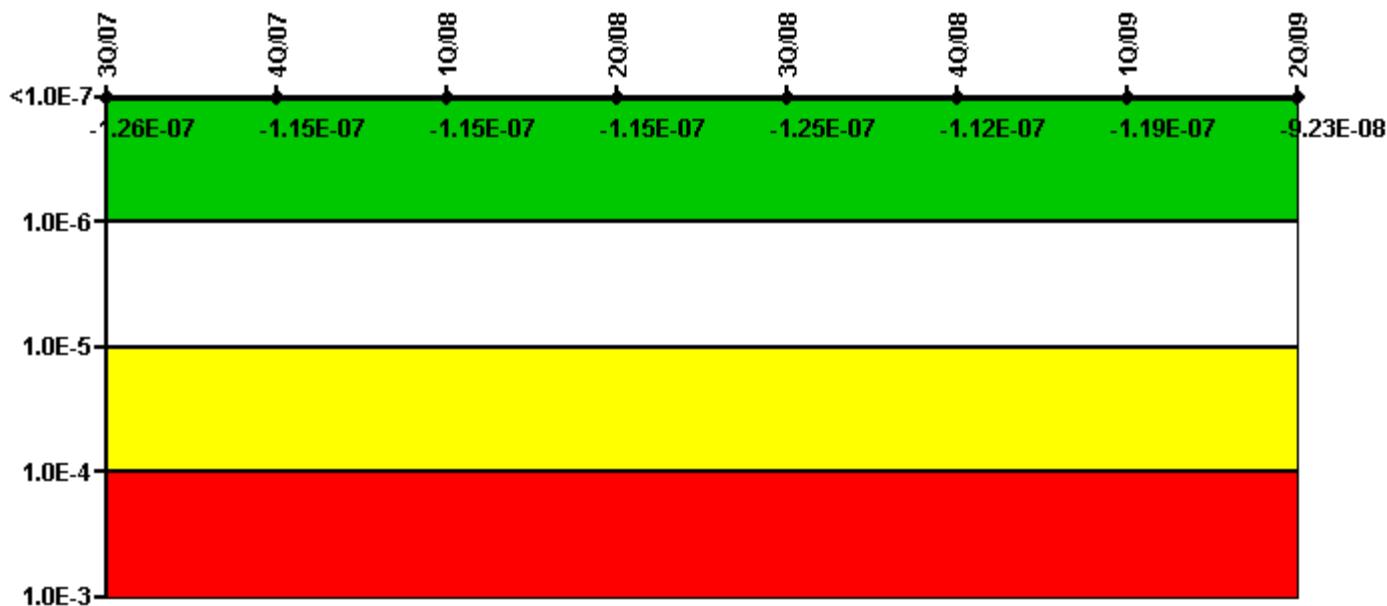
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	7.70E-08	3.20E-08	9.90E-08	7.30E-08	7.70E-08	9.10E-08	9.20E-08	9.40E-08
URI (ΔCDF)	5.40E-08	5.90E-08	5.60E-08	6.00E-08	5.80E-08	5.80E-08	5.70E-08	5.80E-08
PLE	NO							
Indicator value	1.31E-07	9.10E-08	1.55E-07	1.33E-07	1.35E-07	1.49E-07	1.49E-07	1.52E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



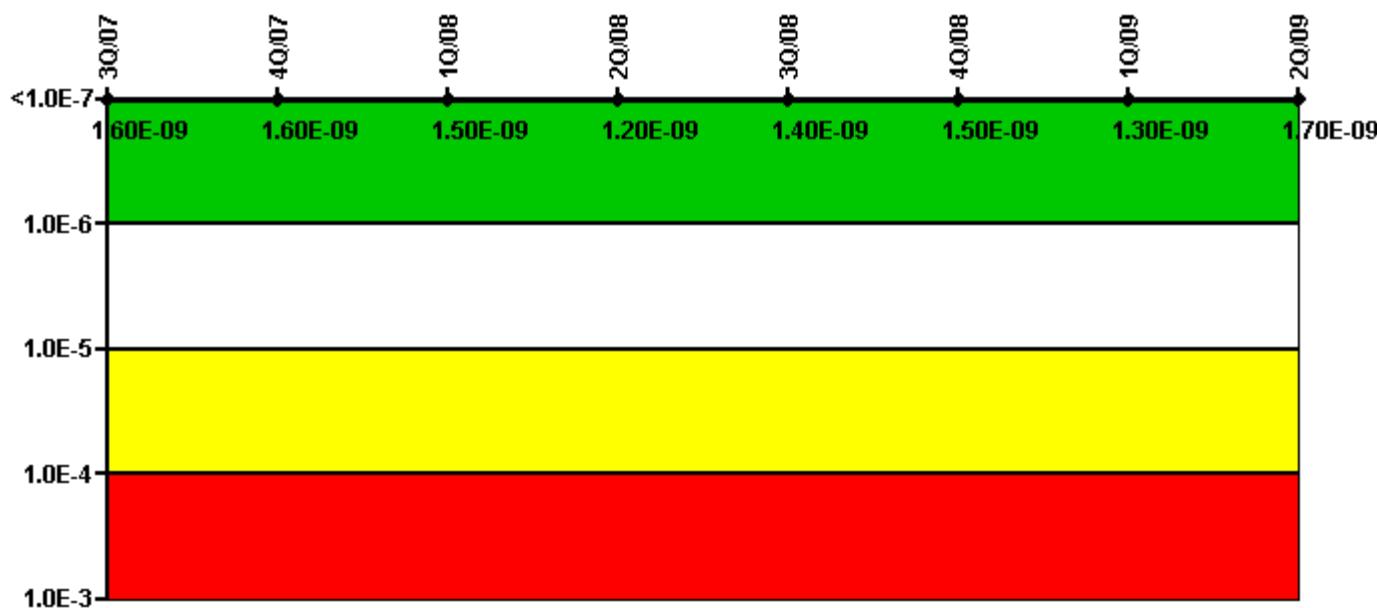
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (Δ CDF)	-1.60E-08	-4.80E-09	-4.90E-09	-4.90E-09	-1.50E-08	-1.20E-08	-1.90E-08	7.70E-09
URI (Δ CDF)	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.00E-07	-1.00E-07	-1.00E-07
PLE	NO							
Indicator value	-1.26E-07	-1.15E-07	-1.15E-07	-1.15E-07	-1.25E-07	-1.12E-07	-1.19E-07	-9.23E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



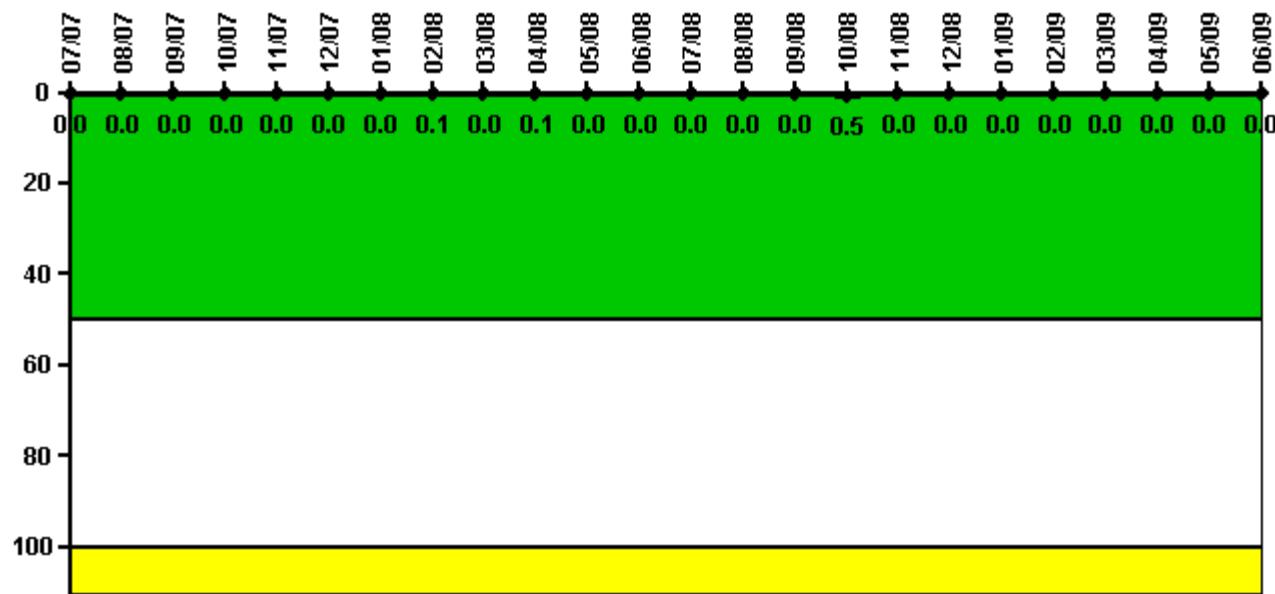
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (Δ CDF)	-1.50E-09	-1.70E-09	-2.00E-09	-2.00E-09	-2.00E-09	-2.00E-09	-2.00E-09	-2.00E-09
URI (Δ CDF)	3.10E-09	3.30E-09	3.50E-09	3.20E-09	3.40E-09	3.50E-09	3.30E-09	3.70E-09
PLE	NO							
Indicator value	1.60E-09	1.60E-09	1.50E-09	1.20E-09	1.40E-09	1.50E-09	1.30E-09	1.70E-09

Licensee Comments: none

Reactor Coolant System Activity



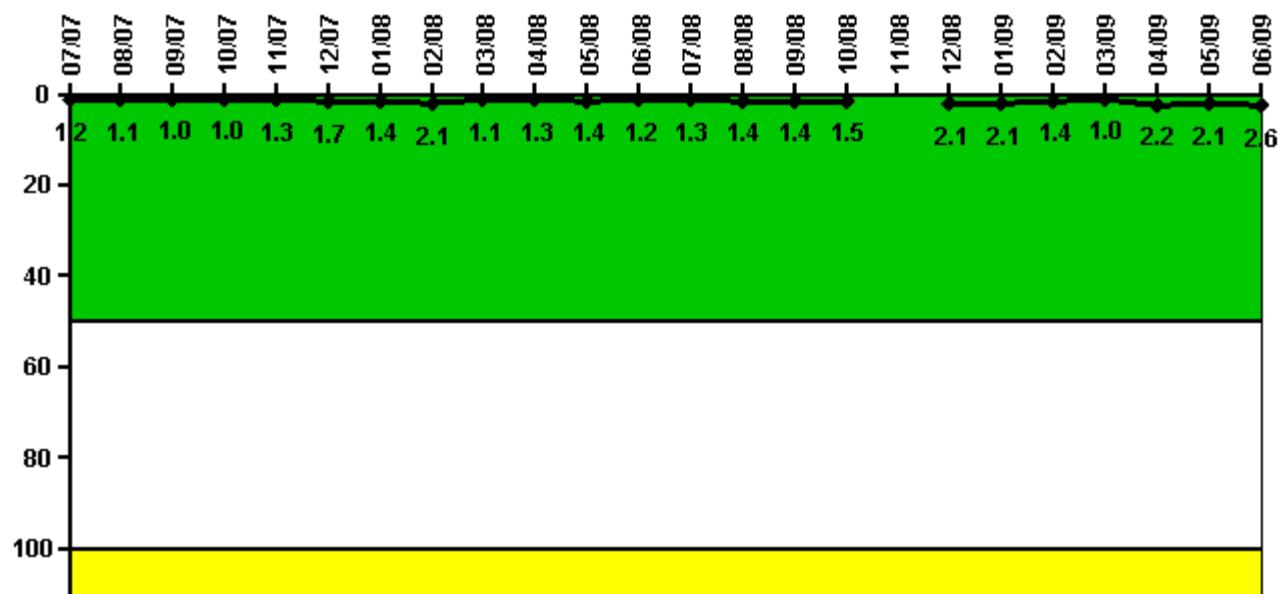
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum activity	0.000789	0.000852	0.000894	0.001160	0.001040	0.001060	0.001400	0.002640	0.001280	0.004000	0.001600	0.001290
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0	0	0	0	0	0	0.1	0	0.1	0	0
Reactor Coolant System Activity	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum activity	0.001460	0.001470	0.001520	0.017700	0.000138	0.000259	0.000364	0.000369	0.000293	0.000372	0.000416	0.000423
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0	0	0.5	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

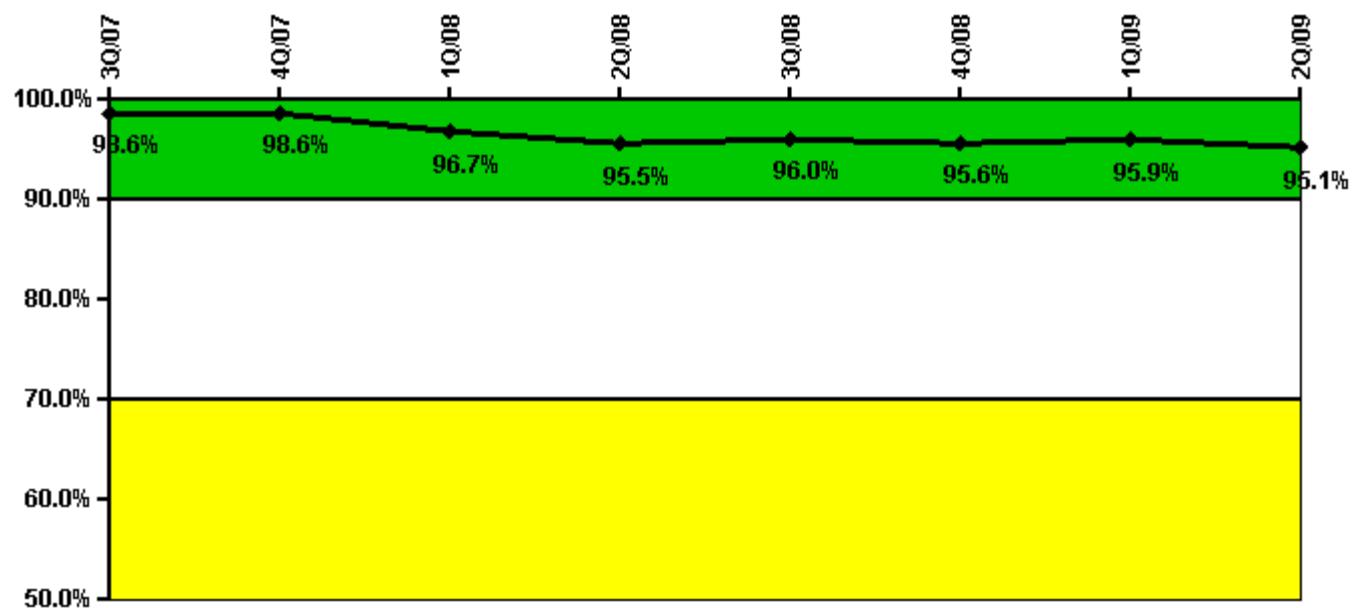
Notes

Reactor Coolant System Leakage	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum leakage	0.119	0.113	0.102	0.104	0.130	0.171	0.141	0.212	0.109	0.134	0.137	0.122
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	1.1	1.0	1.0	1.3	1.7	1.4	2.1	1.1	1.3	1.4	1.2
Reactor Coolant System Leakage	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum leakage	0.131	0.143	0.143	0.153	N/A	0.214	0.205	0.135	0.103	0.218	0.210	0.263
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	1.4	1.4	1.5	N/A	2.1	2.1	1.4	1.0	2.2	2.1	2.6

Licensee Comments:

6/09: Total Leakage is being reported in lieu of Identified Leakage.

Drill/Exercise Performance



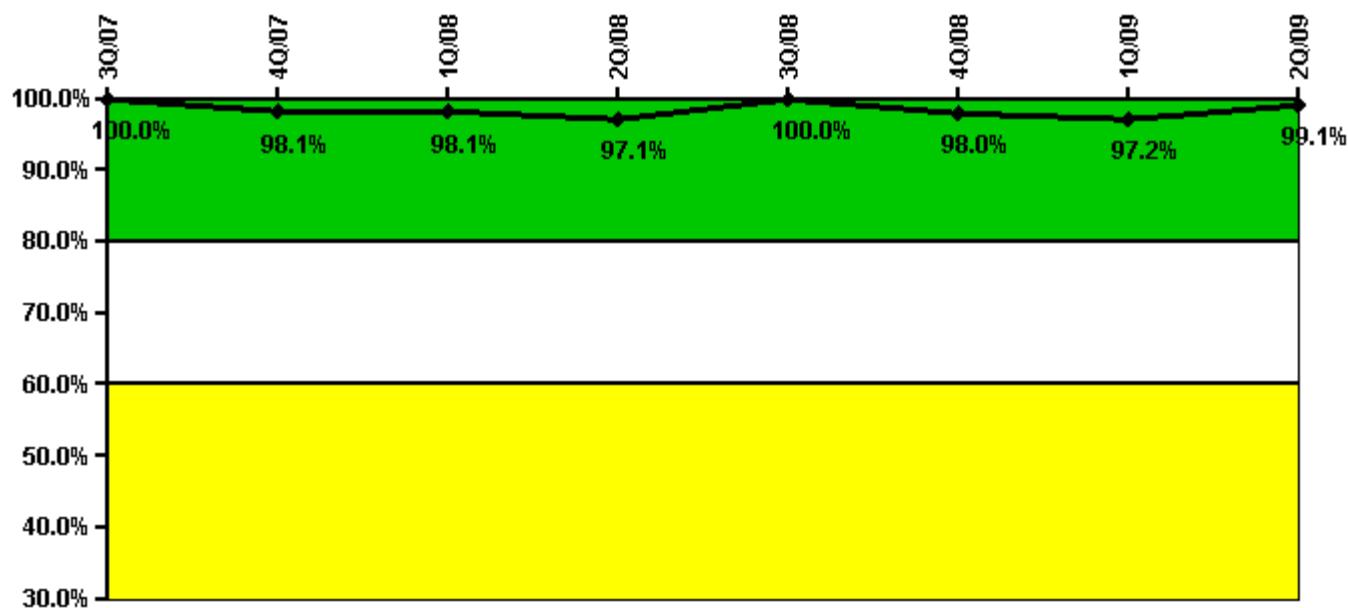
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful opportunities	21.0	4.0	11.0	34.0	26.0	4.0	18.0	38.0
Total opportunities	22.0	4.0	14.0	36.0	26.0	4.0	18.0	40.0
Indicator value	98.6%	98.6%	96.7%	95.5%	96.0%	95.6%	95.9%	95.1%

Licensee Comments: none

ERO Drill Participation



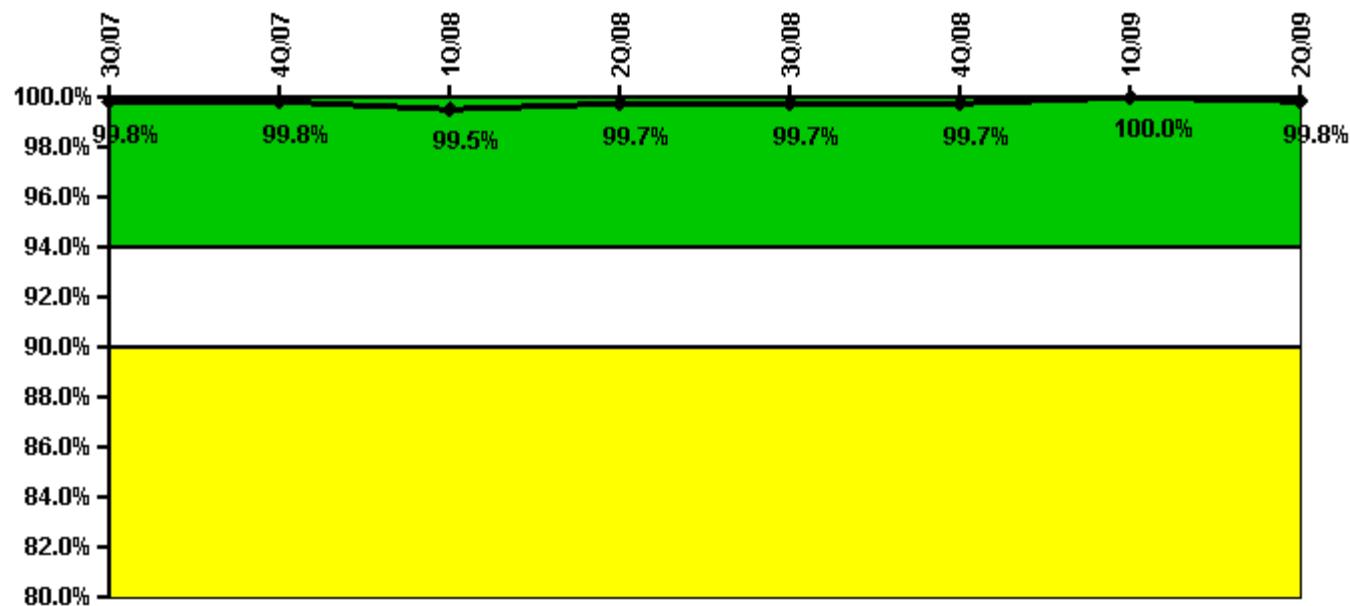
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Participating Key personnel	107.0	103.0	103.0	101.0	105.0	100.0	103.0	108.0
Total Key personnel	107.0	105.0	105.0	104.0	105.0	102.0	106.0	109.0
Indicator value	100.0%	98.1%	98.1%	97.1%	100.0%	98.0%	97.2%	99.1%

Licensee Comments: none

Alert & Notification System



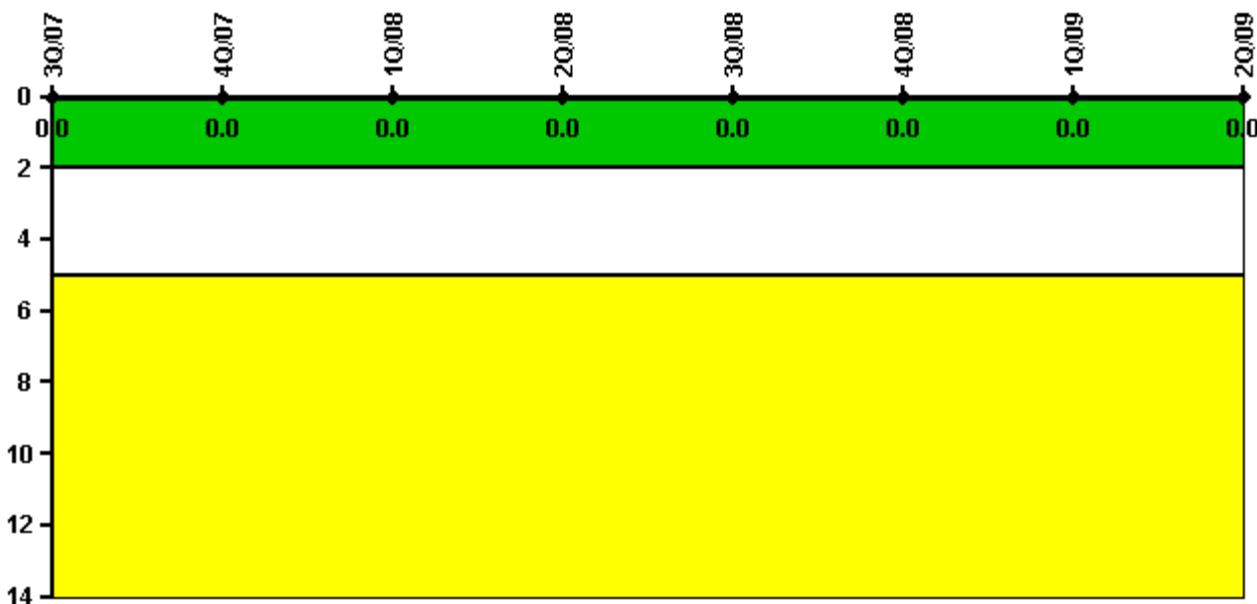
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Successful siren-tests	147	147	145	147	147	147	147	146
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.8%	99.8%	99.5%	99.7%	99.7%	99.7%	100.0%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



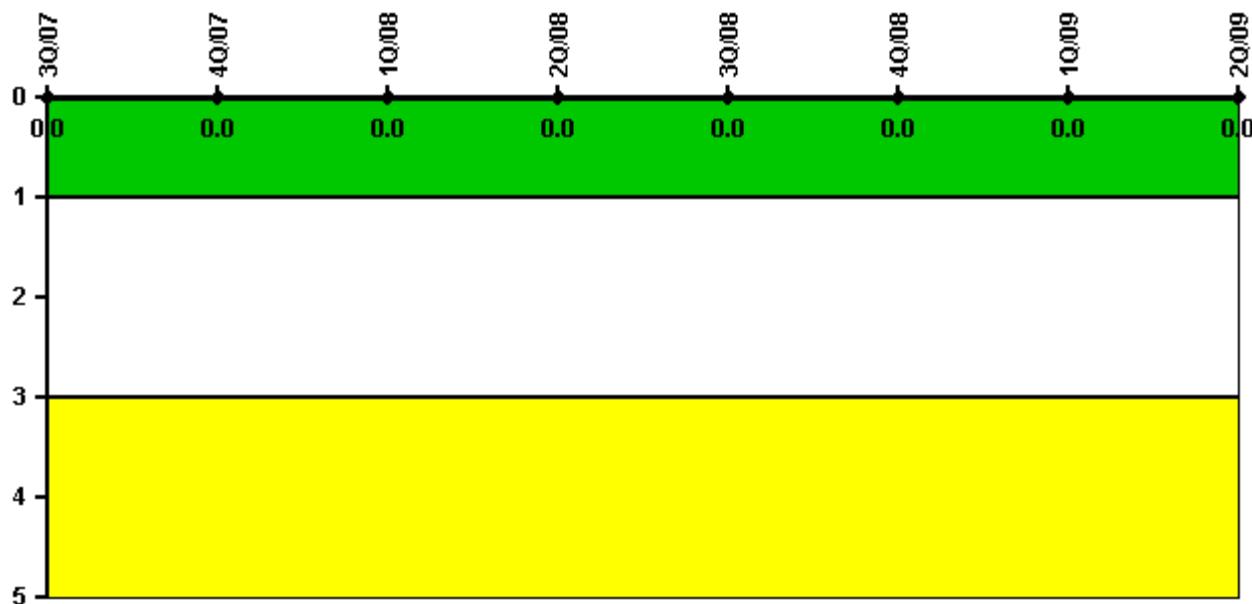
Thresholds: White > 2.0 Yellow > 5.0

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

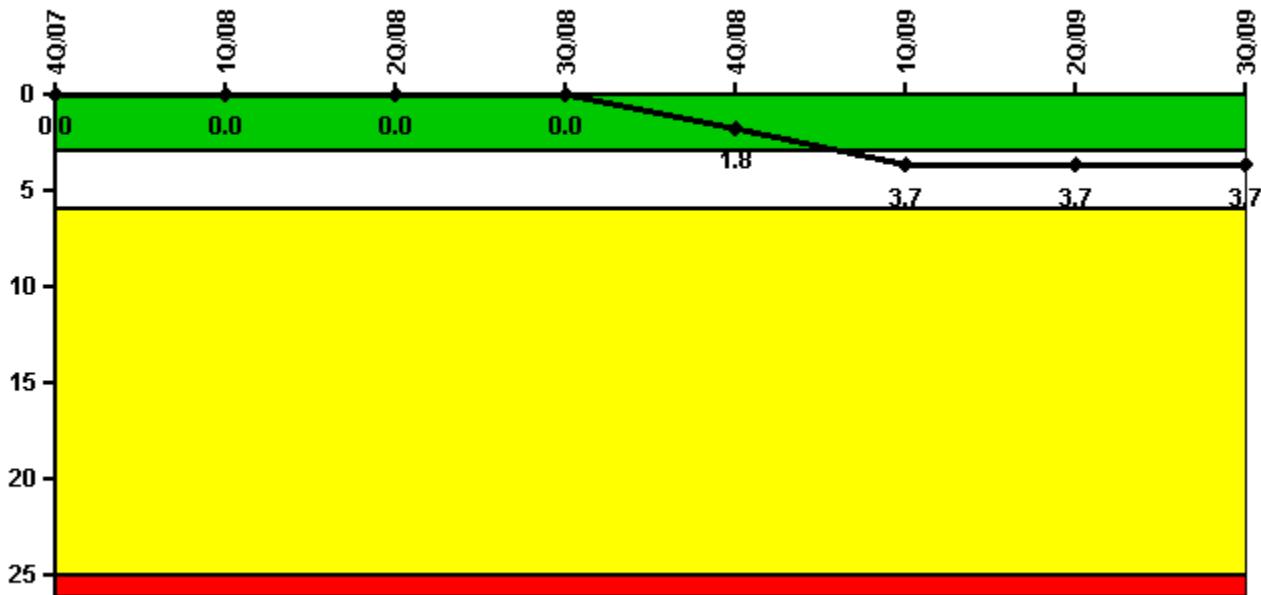
[Security](#) information not publicly available.

Arkansas Nuclear 1

3Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

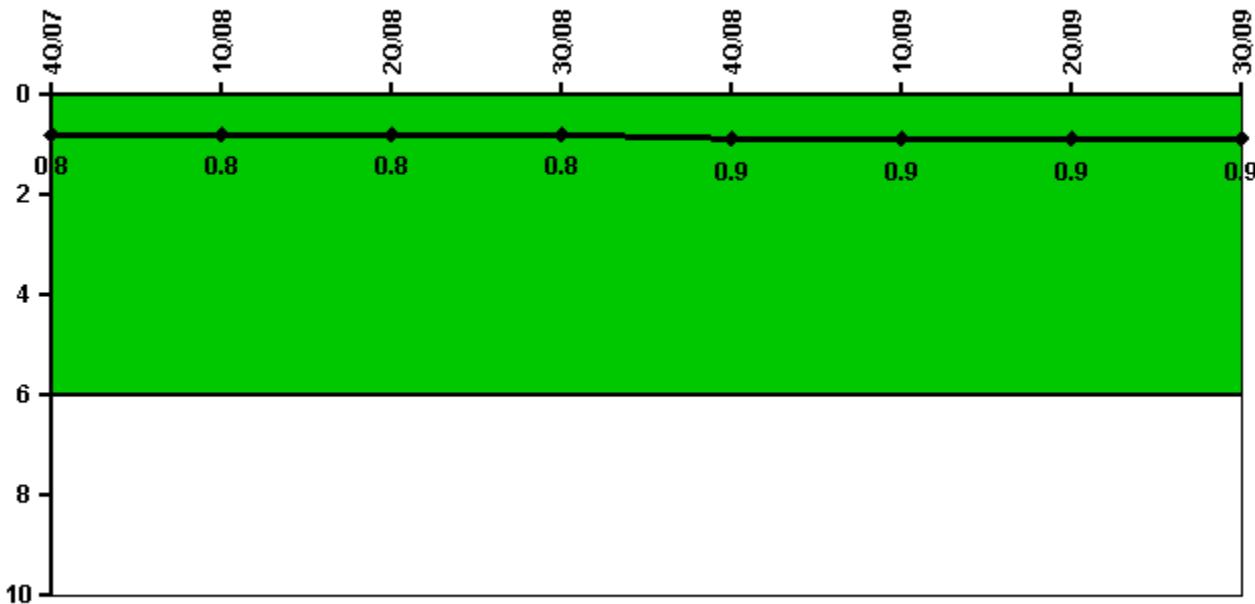
Notes

Unplanned Scams per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned scamps	0	0	0	0	2.0	2.0	0	0
Critical hours	2209.0	2183.0	2184.0	2208.0	1010.4	2069.3	2184.0	2208.0
Indicator value	0	0	0	0	1.8	3.7	3.7	3.7

Licensee Comments:

3Q/09: Required comment per NEI 99-02 Revision 5: ANO-1 exceeded the GREEN/WHITE threshold in the 1st quarter 2009 for Unplanned Scams per 7000 Critical Hours, due to 2 unplanned manual scamps in December 2008, and 2 unplanned manual scamps in February 2009.

Unplanned Power Changes per 7000 Critical Hrs



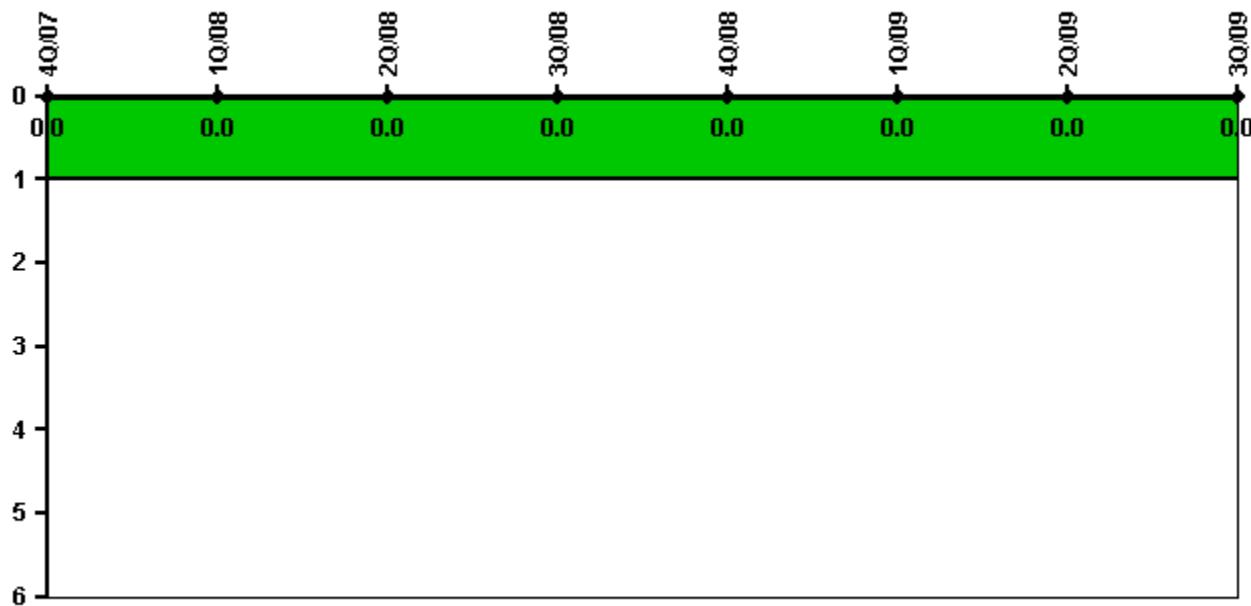
Thresholds: White > 6.0

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	1.0	0	0	0	1.0	0
Critical hours	2209.0	2183.0	2184.0	2208.0	1010.4	2069.3	2184.0	2208.0
Indicator value	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9

Licensee Comments: none

Unplanned Scrams with Complications



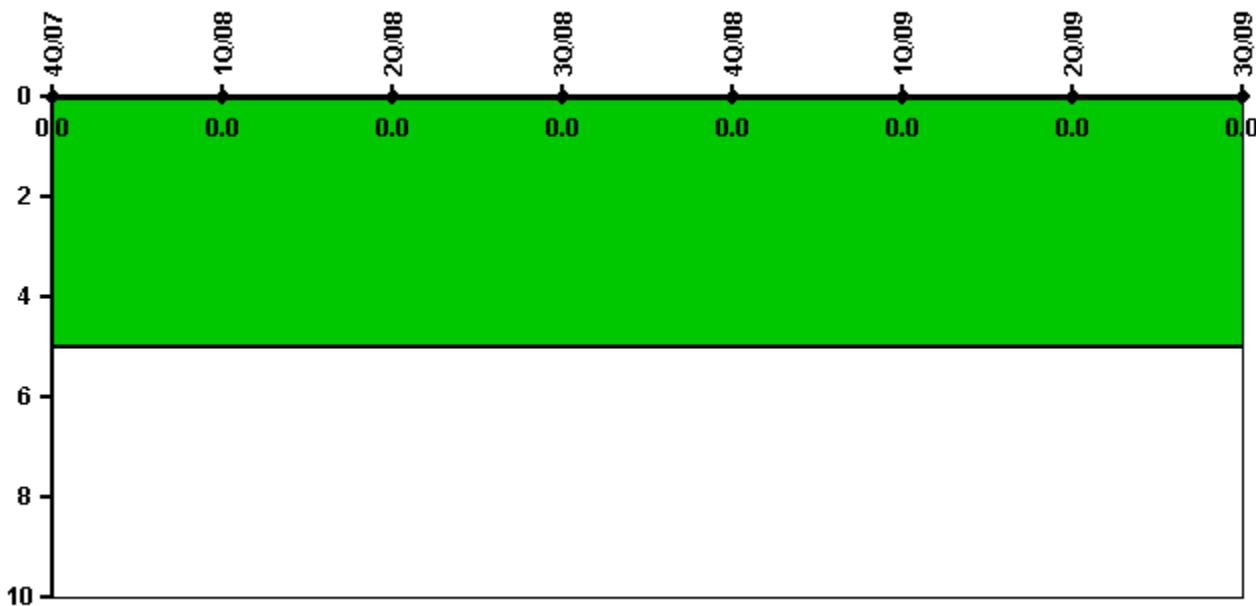
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



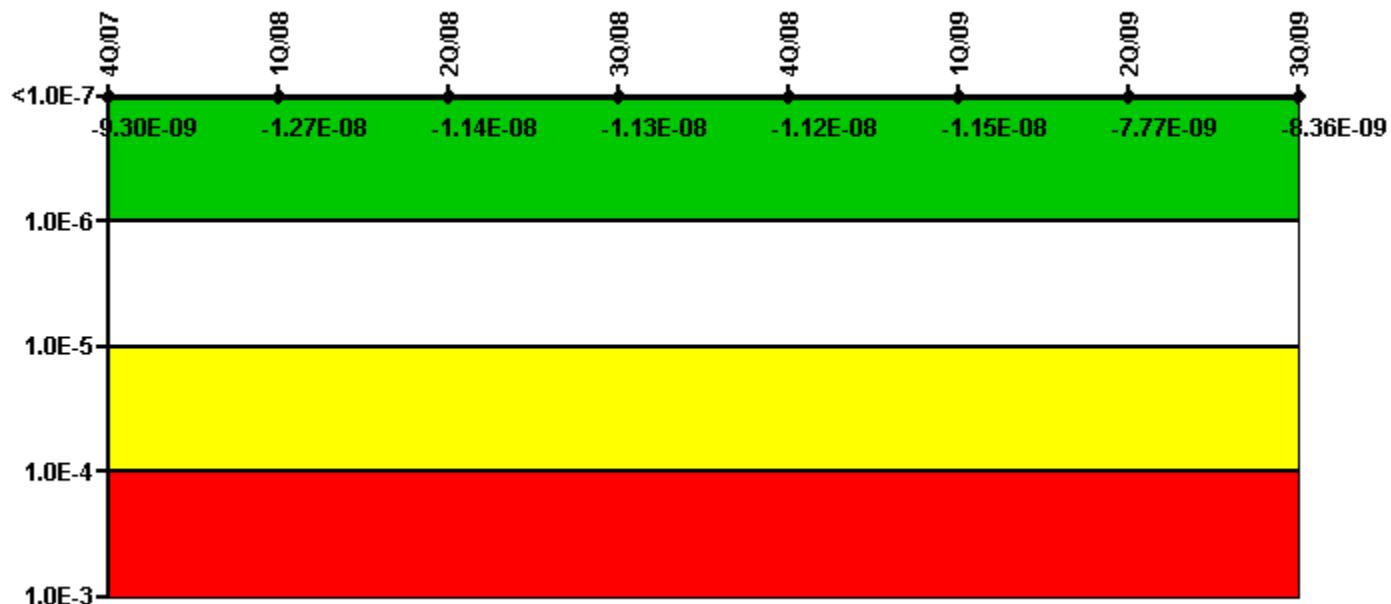
Thresholds: White > 5.0

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	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



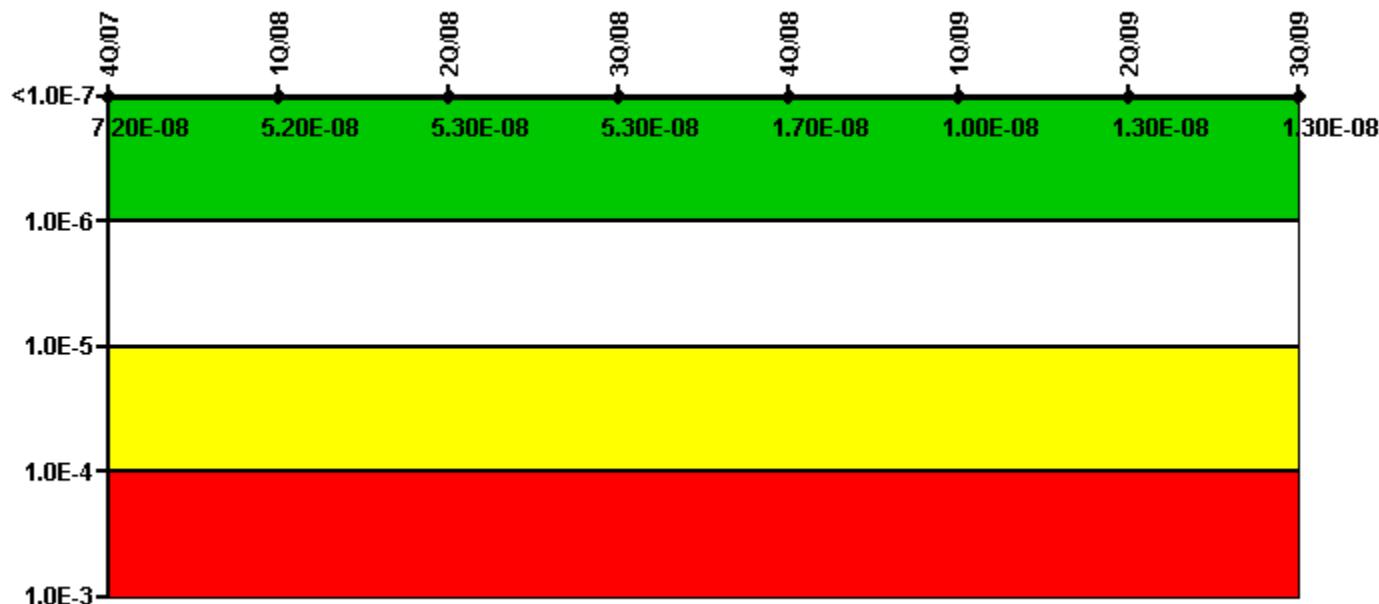
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	1.70E-09	-3.10E-09	-3.10E-09	-3.10E-09	-3.10E-09	-3.10E-09	9.30E-10	9.40E-10
URI (Δ CDF)	-1.10E-08	-9.60E-09	-8.30E-09	-8.20E-09	-8.10E-09	-8.40E-09	-8.70E-09	-9.30E-09
PLE	NO							
Indicator value	-9.30E-09	-1.27E-08	-1.14E-08	-1.13E-08	-1.12E-08	-1.15E-08	-7.77E-09	-8.36E-09

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



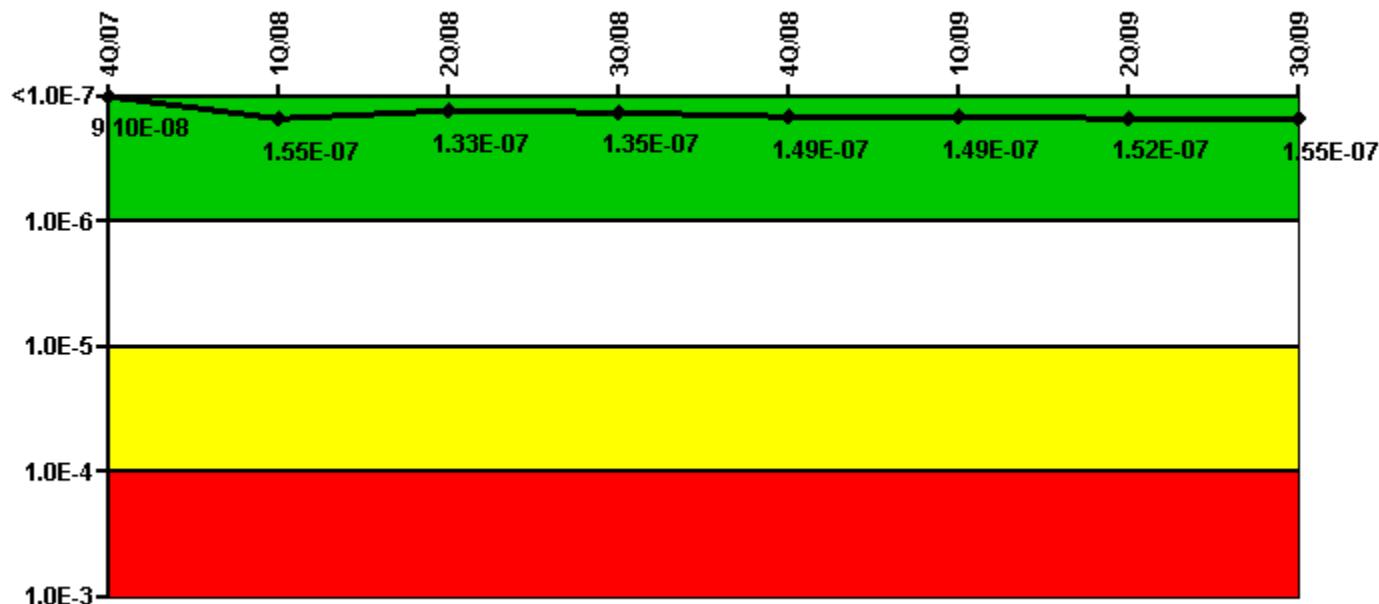
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	6.00E-08	4.00E-08	4.00E-08	4.00E-08	3.60E-08	2.90E-08	3.20E-08	3.20E-08
URI (Δ CDF)	1.20E-08	1.20E-08	1.30E-08	1.30E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08
PLE	NO							
Indicator value	7.20E-08	5.20E-08	5.30E-08	5.30E-08	1.70E-08	1.00E-08	1.30E-08	1.30E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



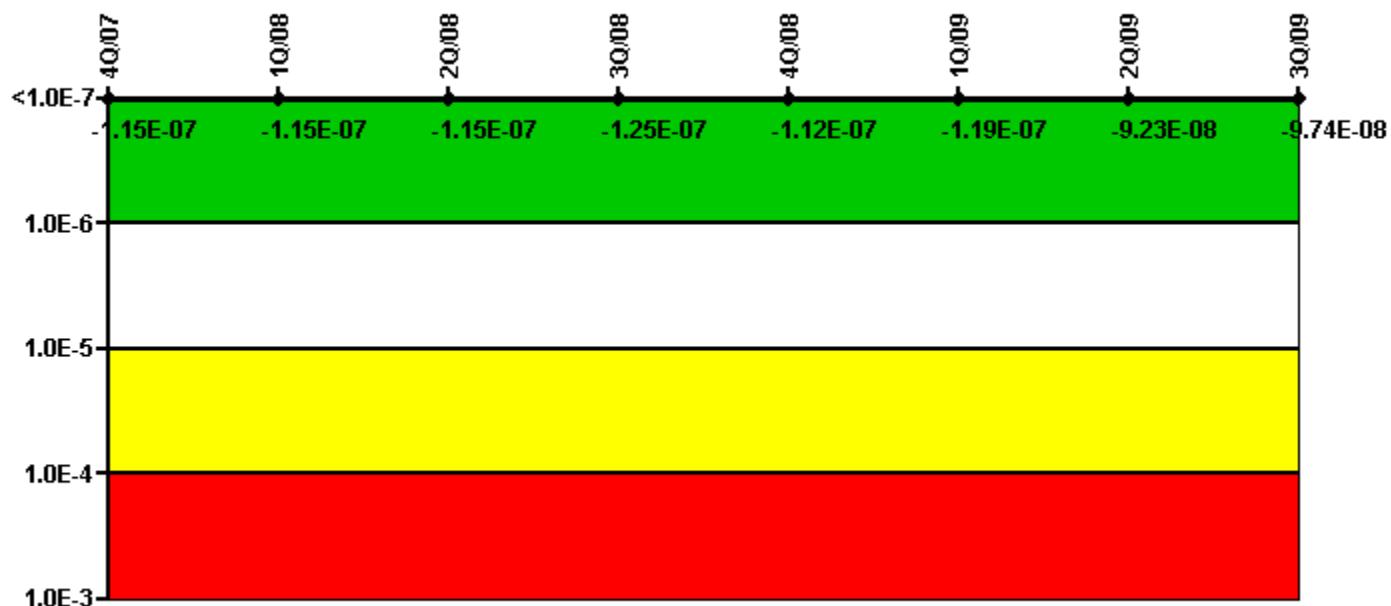
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	3.20E-08	9.90E-08	7.30E-08	7.70E-08	9.10E-08	9.20E-08	9.40E-08	9.70E-08
URI (Δ CDF)	5.90E-08	5.60E-08	6.00E-08	5.80E-08	5.80E-08	5.70E-08	5.80E-08	5.80E-08
PLE	NO							
Indicator value	9.10E-08	1.55E-07	1.33E-07	1.35E-07	1.49E-07	1.49E-07	1.52E-07	1.55E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



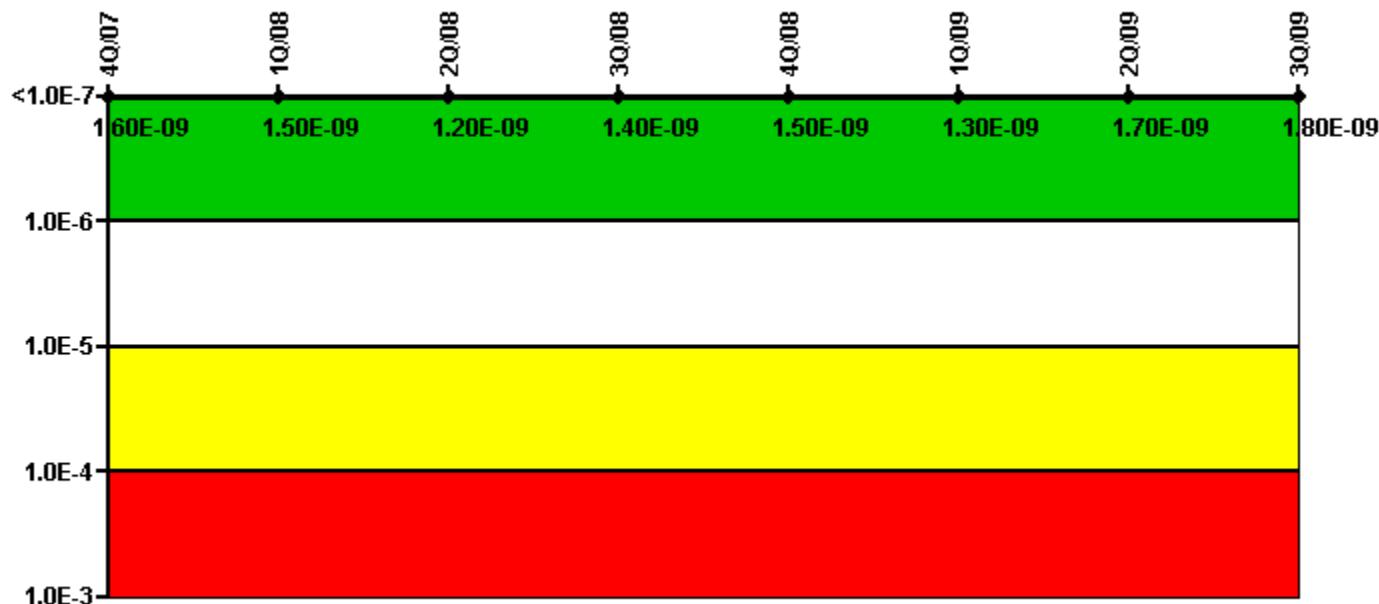
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-4.80E-09	-4.90E-09	-4.90E-09	-1.50E-08	-1.20E-08	-1.90E-08	7.70E-09	2.60E-09
URI (Δ CDF)	-1.10E-07	-1.10E-07	-1.10E-07	-1.10E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07
PLE	NO							
Indicator value	-1.15E-07	-1.15E-07	-1.15E-07	-1.25E-07	-1.12E-07	-1.19E-07	-9.23E-08	-9.74E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



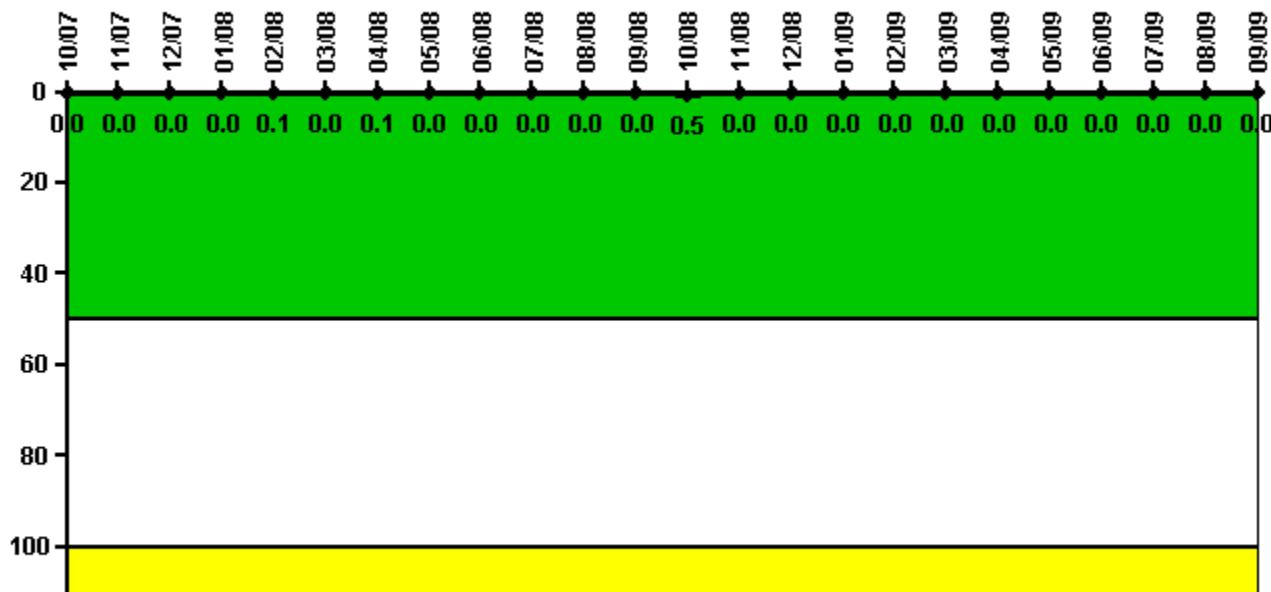
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (Δ CDF)	-1.70E-09	-2.00E-09						
URI (Δ CDF)	3.30E-09	3.50E-09	3.20E-09	3.40E-09	3.50E-09	3.30E-09	3.70E-09	3.80E-09
PLE	NO							
Indicator value	1.60E-09	1.50E-09	1.20E-09	1.40E-09	1.50E-09	1.30E-09	1.70E-09	1.80E-09

Licensee Comments: none

Reactor Coolant System Activity



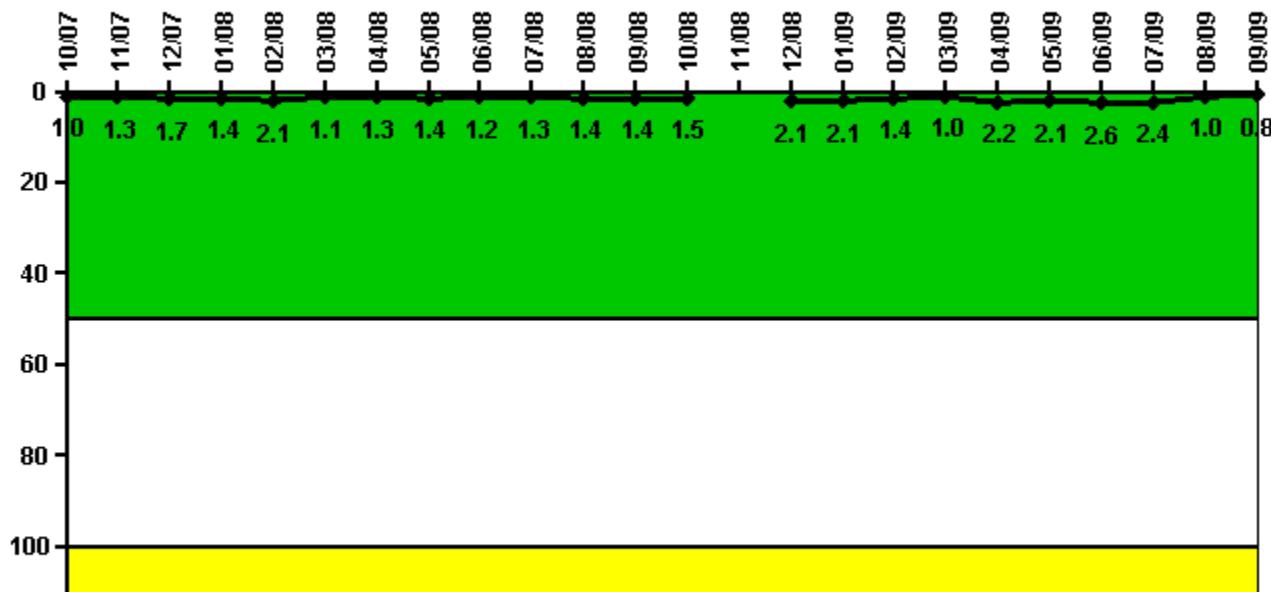
Thresholds: White > 50.0 Yellow > 100.0

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	0.001160	0.001040	0.001060	0.001400	0.002640	0.001280	0.004000	0.001600	0.001290	0.001460	0.001470	0.001520
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0	0	0	0.1	0	0.1	0	0	0	0	0
Reactor Coolant System Activity	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum activity	0.017700	0.000138	0.000259	0.000364	0.000369	0.000293	0.000372	0.000416	0.000423	0.000436	0.000356	0.000354
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.5	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

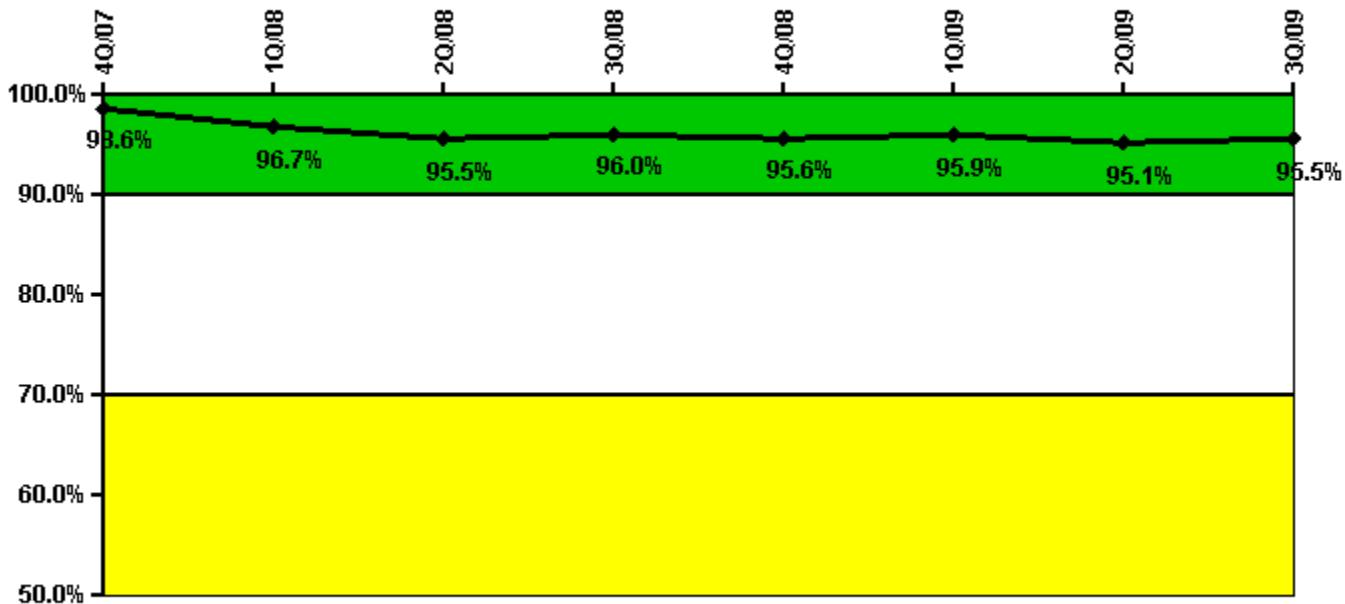
Notes

Reactor Coolant System Leakage	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum leakage	0.104	0.130	0.171	0.141	0.212	0.109	0.134	0.137	0.122	0.131	0.143	0.143
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	1.3	1.7	1.4	2.1	1.1	1.3	1.4	1.2	1.3	1.4	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	0.153	N/A	0.214	0.205	0.135	0.103	0.218	0.210	0.263	0.239	0.101	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	1.5	N/A	2.1	2.1	1.4	1.0	2.2	2.1	2.6	2.4	1.0	0.8

Licensee Comments:

9/09: Total Leakage is being reported in lieu of Identified Leakage.

Drill/Exercise Performance



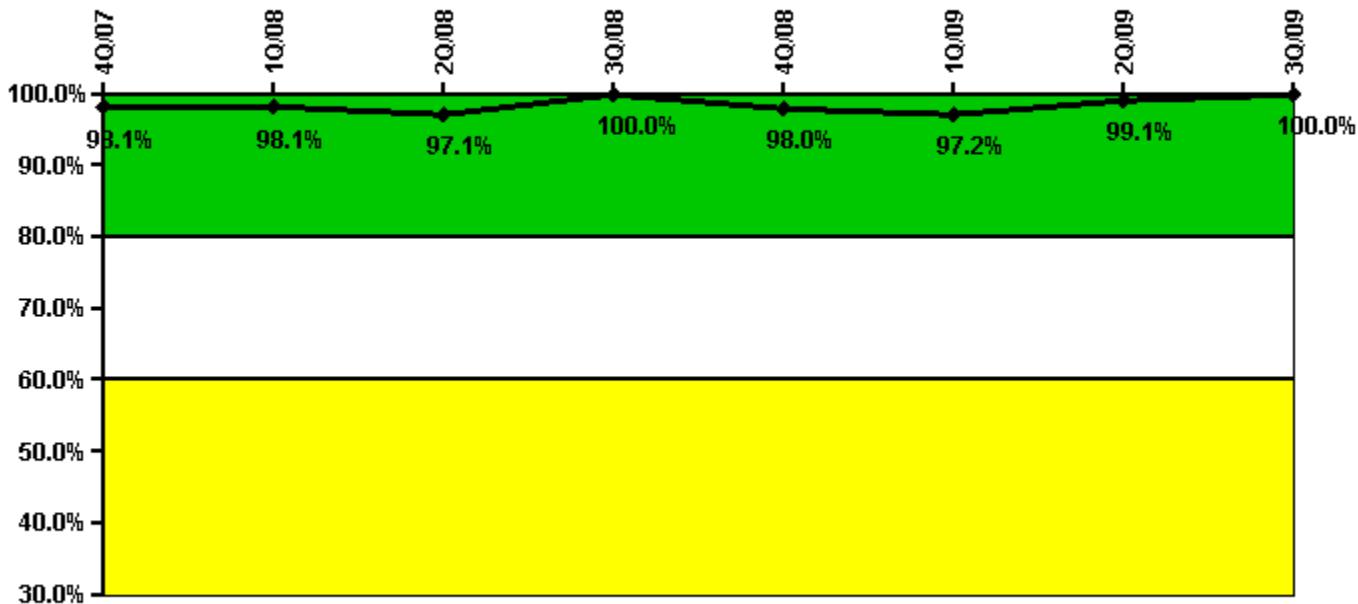
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful opportunities	4.0	11.0	34.0	26.0	4.0	18.0	38.0	15.0
Total opportunities	4.0	14.0	36.0	26.0	4.0	18.0	40.0	15.0
Indicator value	98.6%	96.7%	95.5%	96.0%	95.6%	95.9%	95.1%	95.5%

Licensee Comments: none

ERO Drill Participation



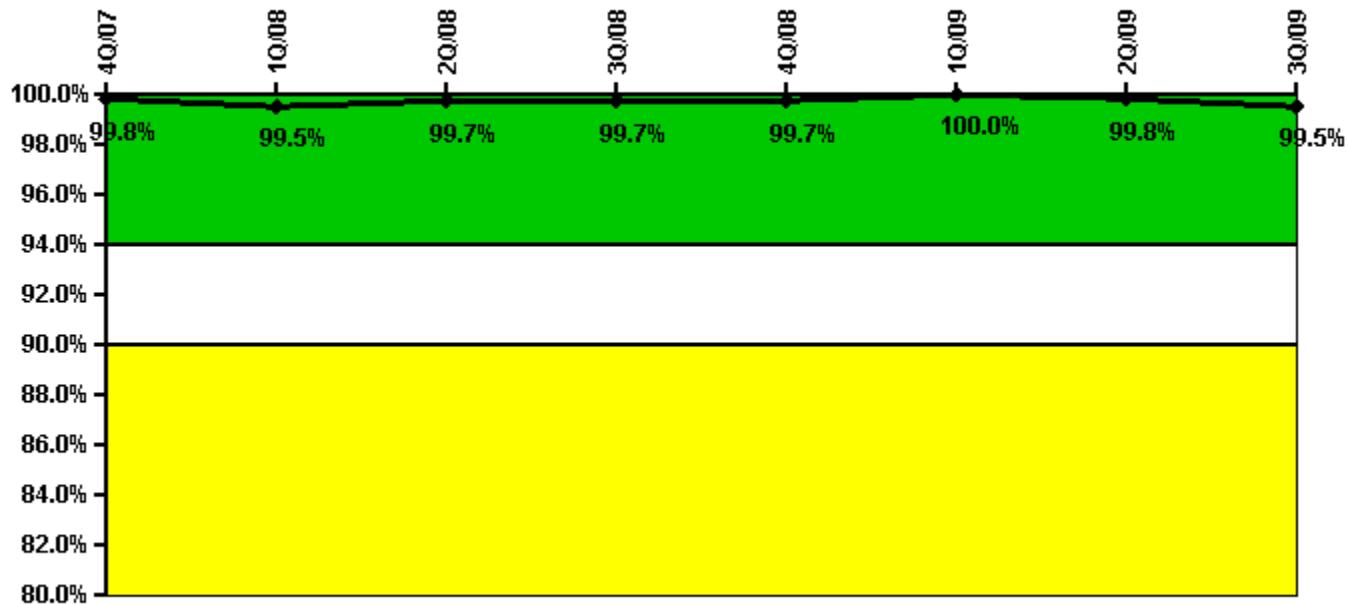
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	103.0	103.0	101.0	105.0	100.0	103.0	108.0	112.0
Total Key personnel	105.0	105.0	104.0	105.0	102.0	106.0	109.0	112.0
Indicator value	98.1%	98.1%	97.1%	100.0%	98.0%	97.2%	99.1%	100.0%

Licensee Comments: none

Alert & Notification System



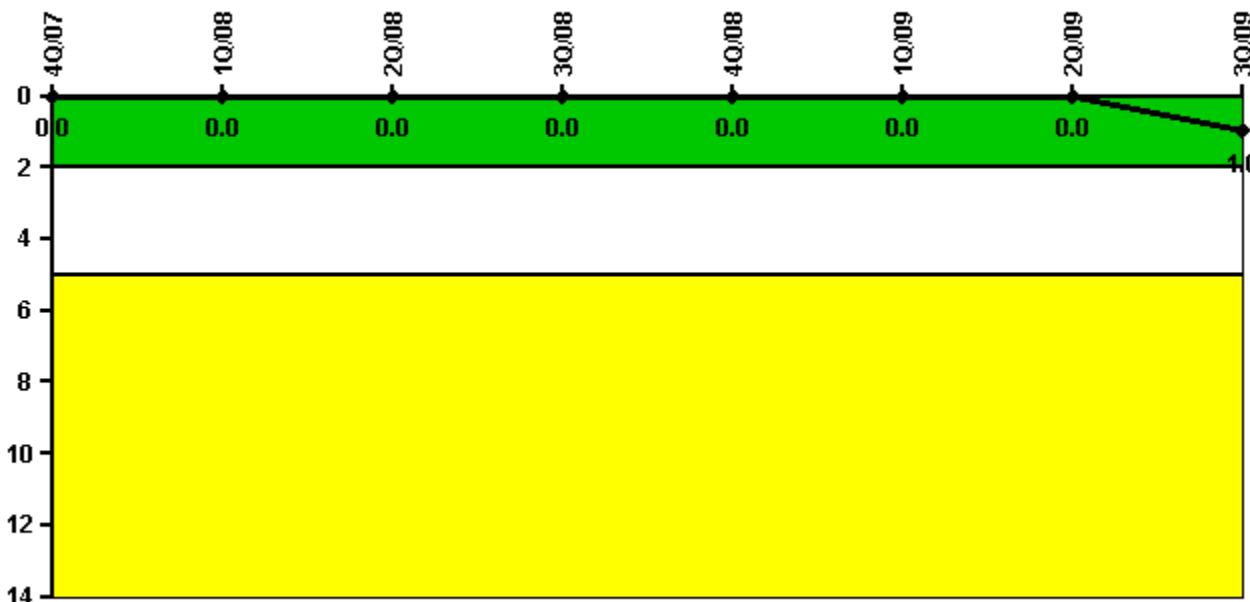
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Successful siren-tests	147	145	147	147	147	147	146	145
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.8%	99.5%	99.7%	99.7%	99.7%	100.0%	99.8%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



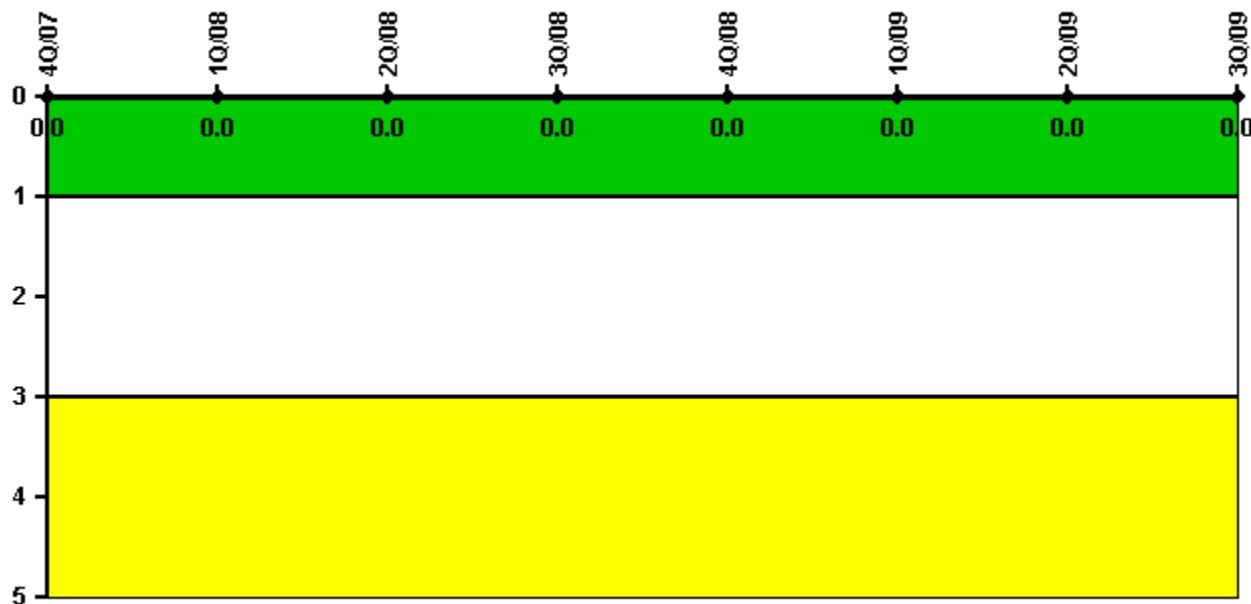
Thresholds: White > 2.0 Yellow > 5.0

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

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

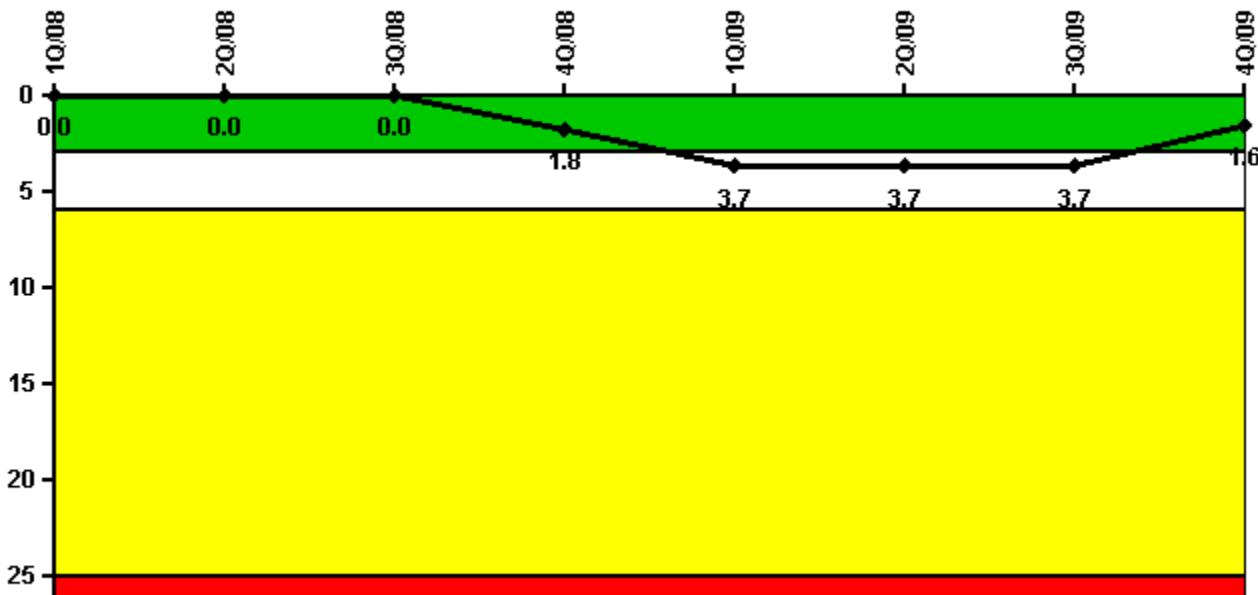
Security information not publicly available.

Arkansas Nuclear 1

4Q/2009 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



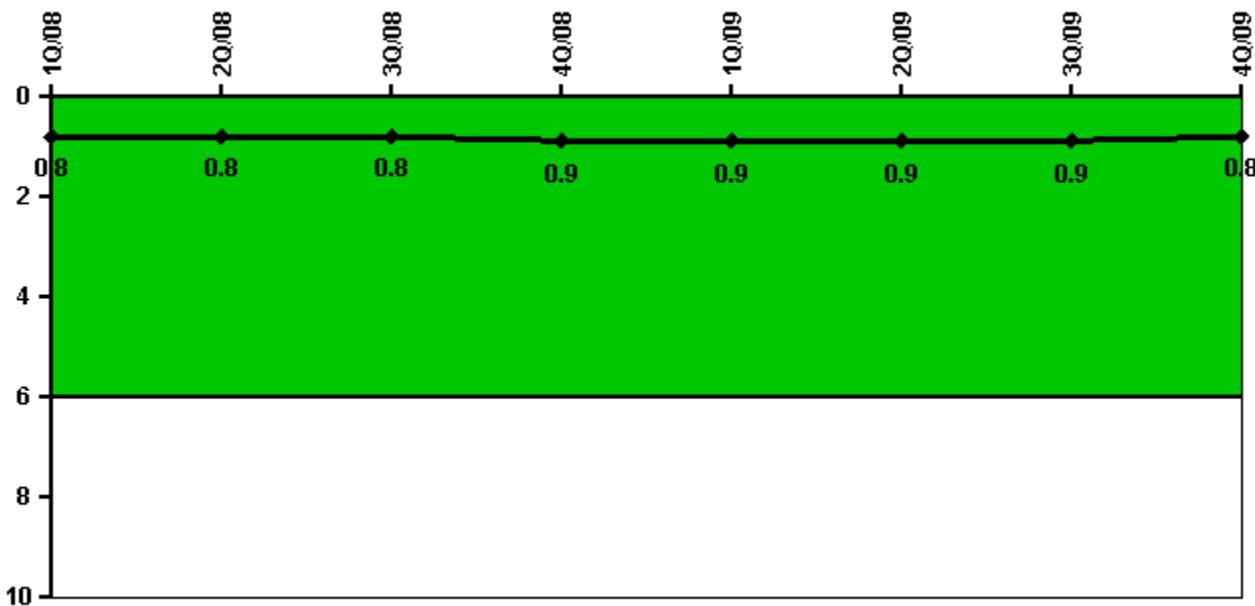
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned scrams	0	0	0	2.0	2.0	0	0	0
Critical hours	2183.0	2184.0	2208.0	1010.4	2069.3	2184.0	2208.0	2209.0
Indicator value	0	0	0	1.8	3.7	3.7	3.7	1.6

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



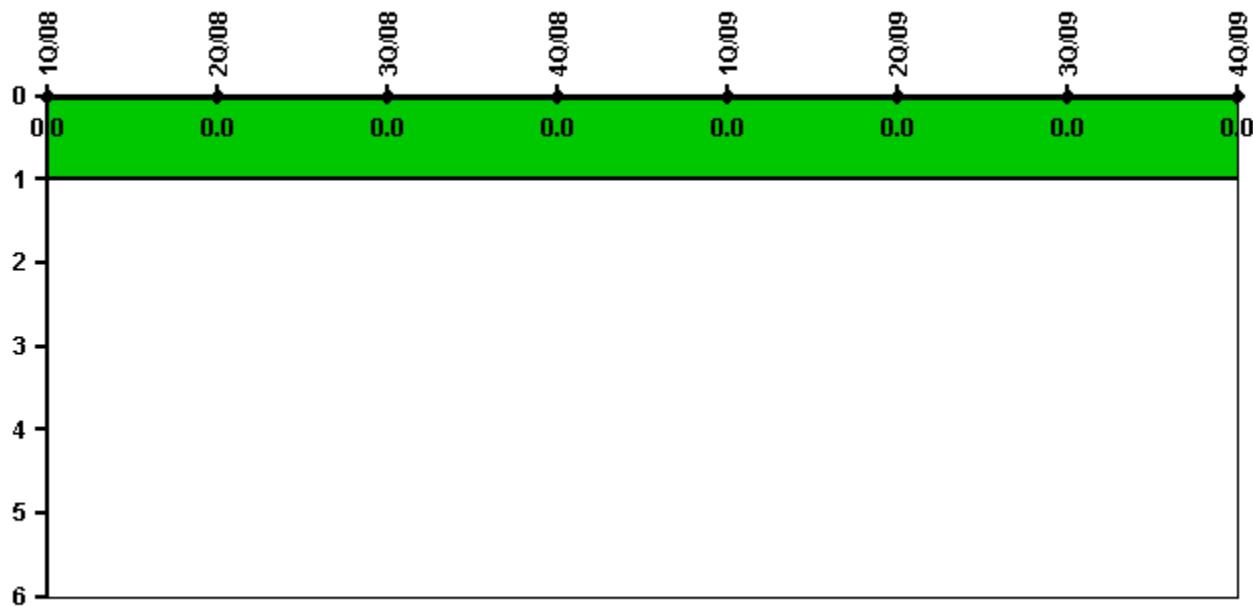
Thresholds: White > 6.0

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	1.0	0	0	0	1.0	0	0
Critical hours	2183.0	2184.0	2208.0	1010.4	2069.3	2184.0	2208.0	2209.0
Indicator value	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.8

Licensee Comments: none

Unplanned Scrams with Complications



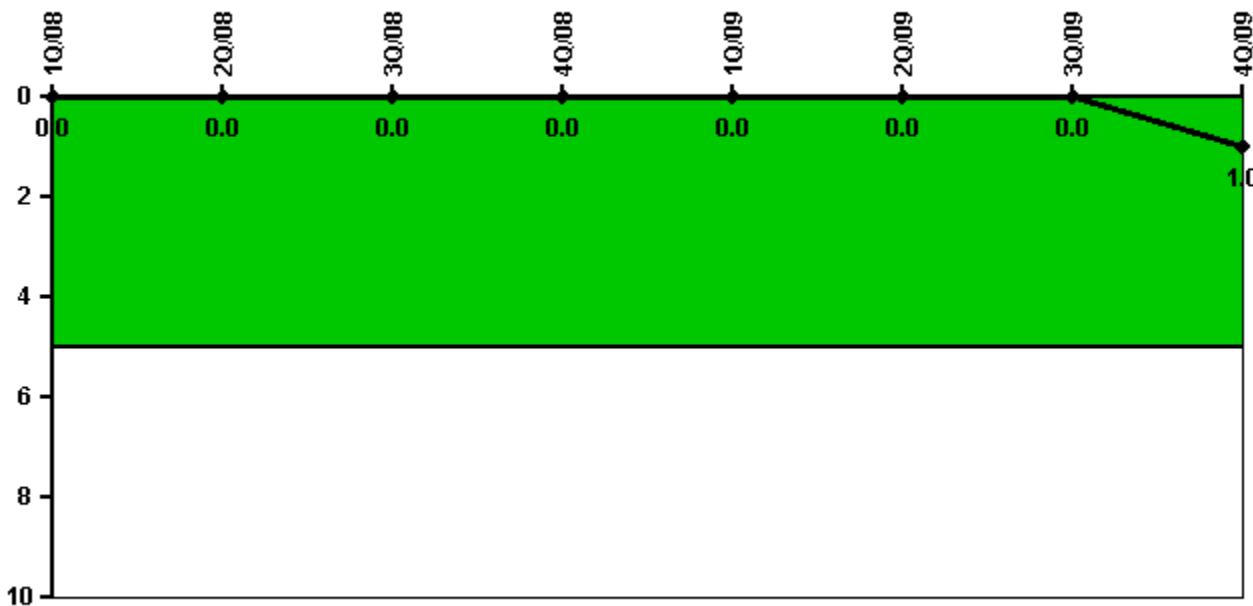
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

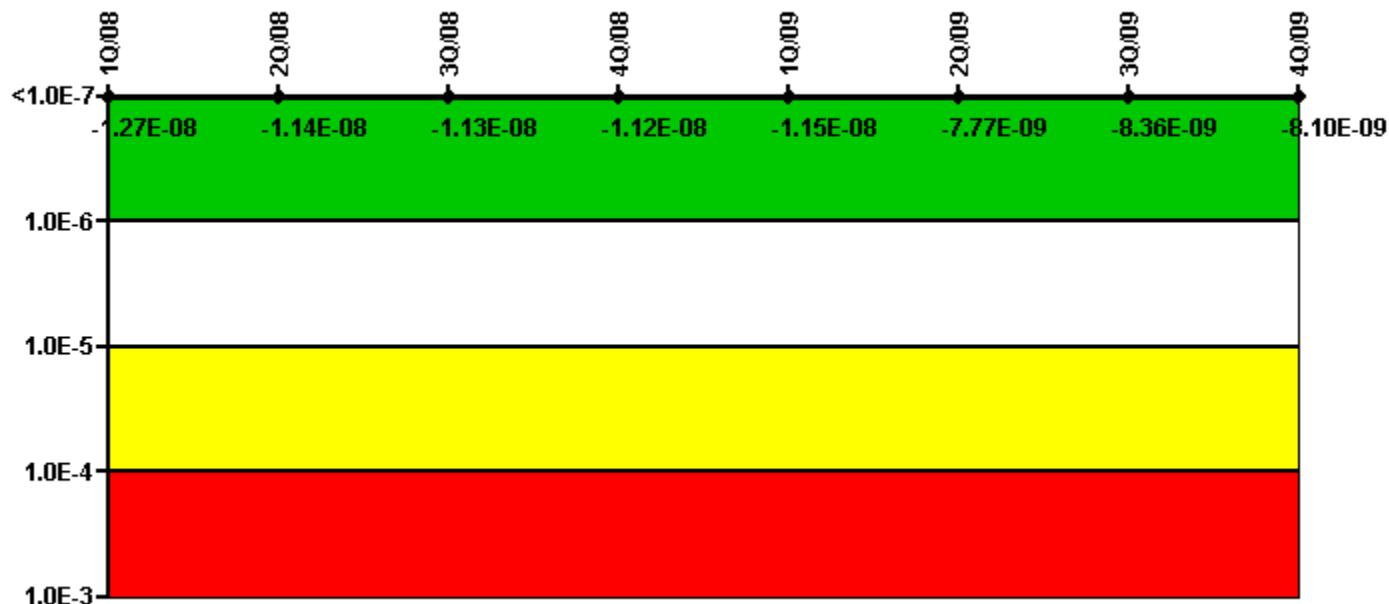
Notes

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

Licensee Comments:

4Q/09: Licensee Event Report 50-313/2009-003-00 - "Unanalyzed Condition That Significantly Degraded Plant Safety Existed Intermittently Due to an Unlatched Door Serving as a High Energy Line Break Barrier" was submitted in November 2009. Amended Licensee Event Report 50-313/2009-003-01 was submitted in December 2009 for the same event.

Mitigating Systems Performance Index, Emergency AC Power System



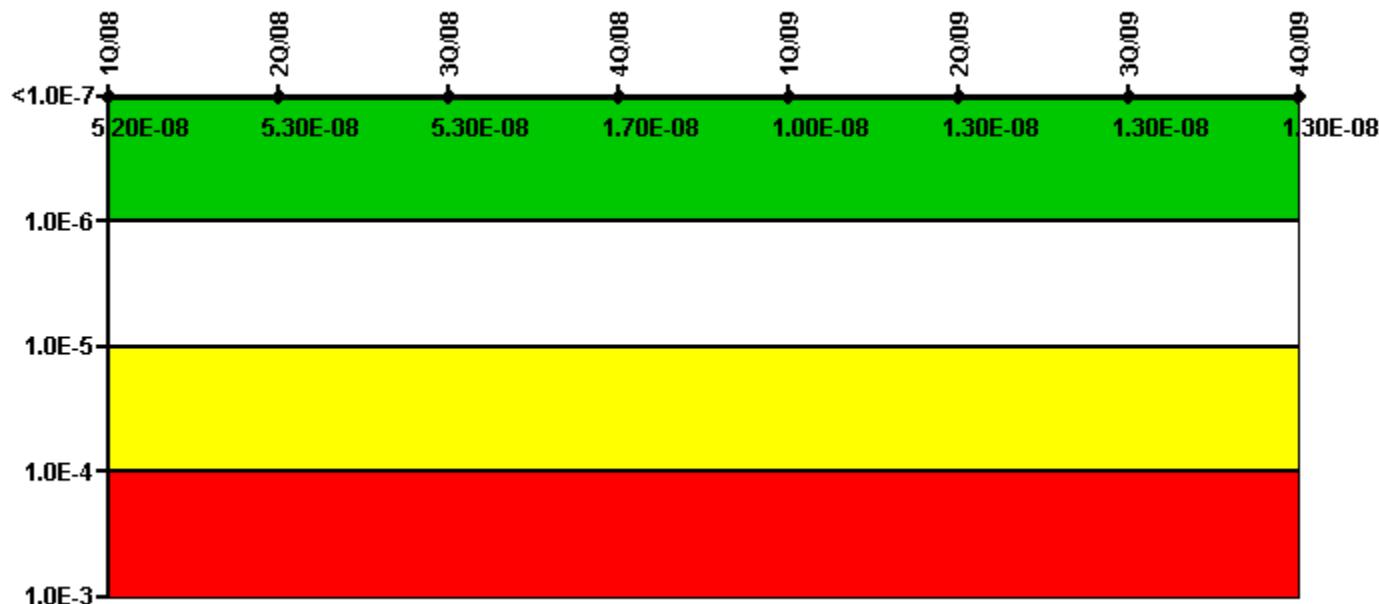
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-3.10E-09	-3.10E-09	-3.10E-09	-3.10E-09	-3.10E-09	9.30E-10	9.40E-10	1.90E-09
URI (Δ CDF)	-9.60E-09	-8.30E-09	-8.20E-09	-8.10E-09	-8.40E-09	-8.70E-09	-9.30E-09	-1.00E-08
PLE	NO							
Indicator value	-1.27E-08	-1.14E-08	-1.13E-08	-1.12E-08	-1.15E-08	-7.77E-09	-8.36E-09	-8.10E-09

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



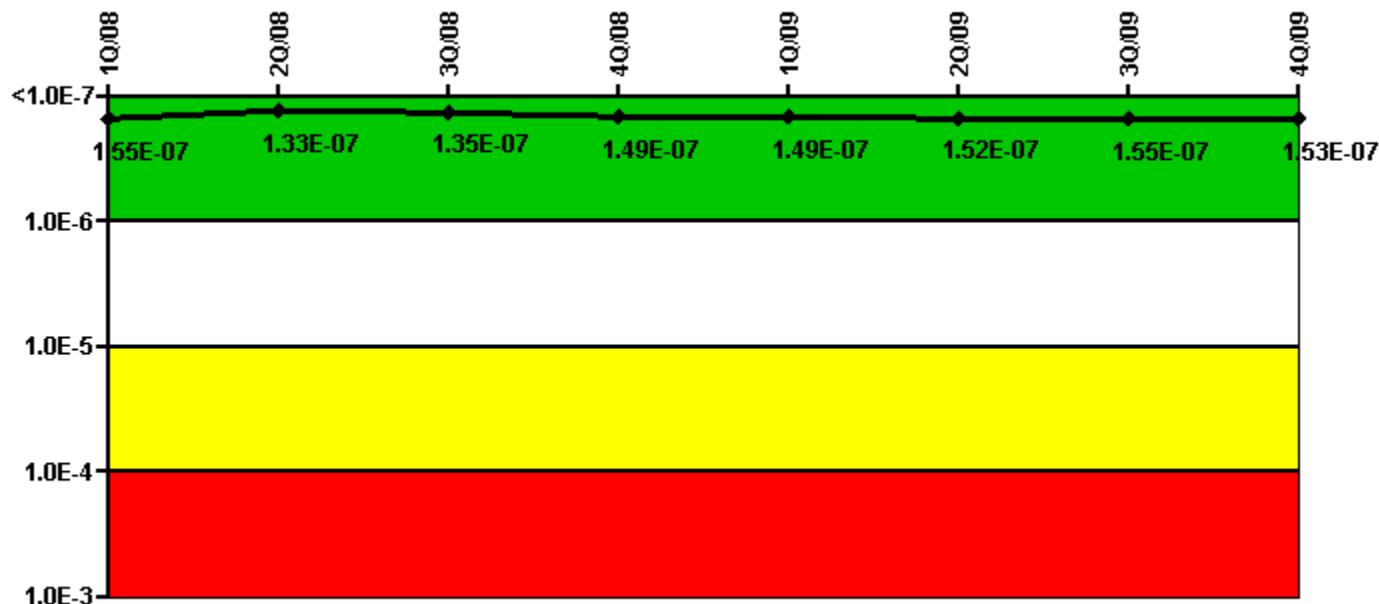
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	4.00E-08	4.00E-08	4.00E-08	3.60E-08	2.90E-08	3.20E-08	3.20E-08	3.20E-08
URI (Δ CDF)	1.20E-08	1.30E-08	1.30E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08
PLE	NO							
Indicator value	5.20E-08	5.30E-08	5.30E-08	1.70E-08	1.00E-08	1.30E-08	1.30E-08	1.30E-08

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



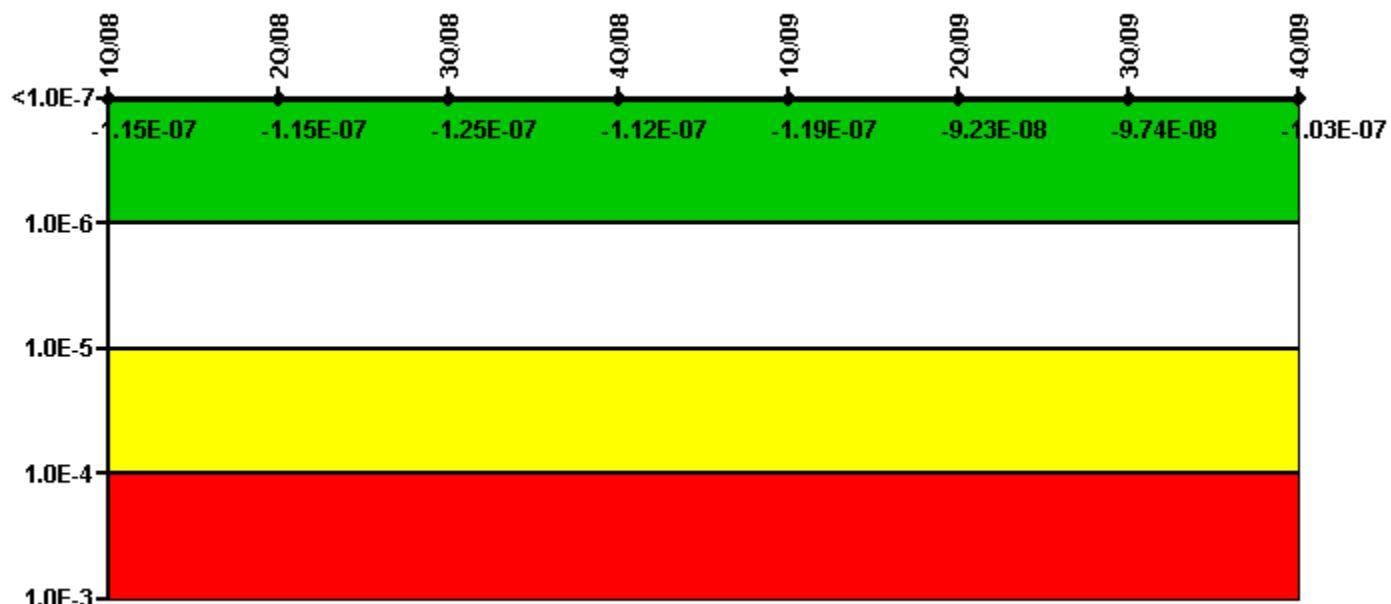
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	9.90E-08	7.30E-08	7.70E-08	9.10E-08	9.20E-08	9.40E-08	9.70E-08	9.30E-08
URI (Δ CDF)	5.60E-08	6.00E-08	5.80E-08	5.80E-08	5.70E-08	5.80E-08	5.80E-08	6.00E-08
PLE	NO							
Indicator value	1.55E-07	1.33E-07	1.35E-07	1.49E-07	1.49E-07	1.52E-07	1.55E-07	1.53E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



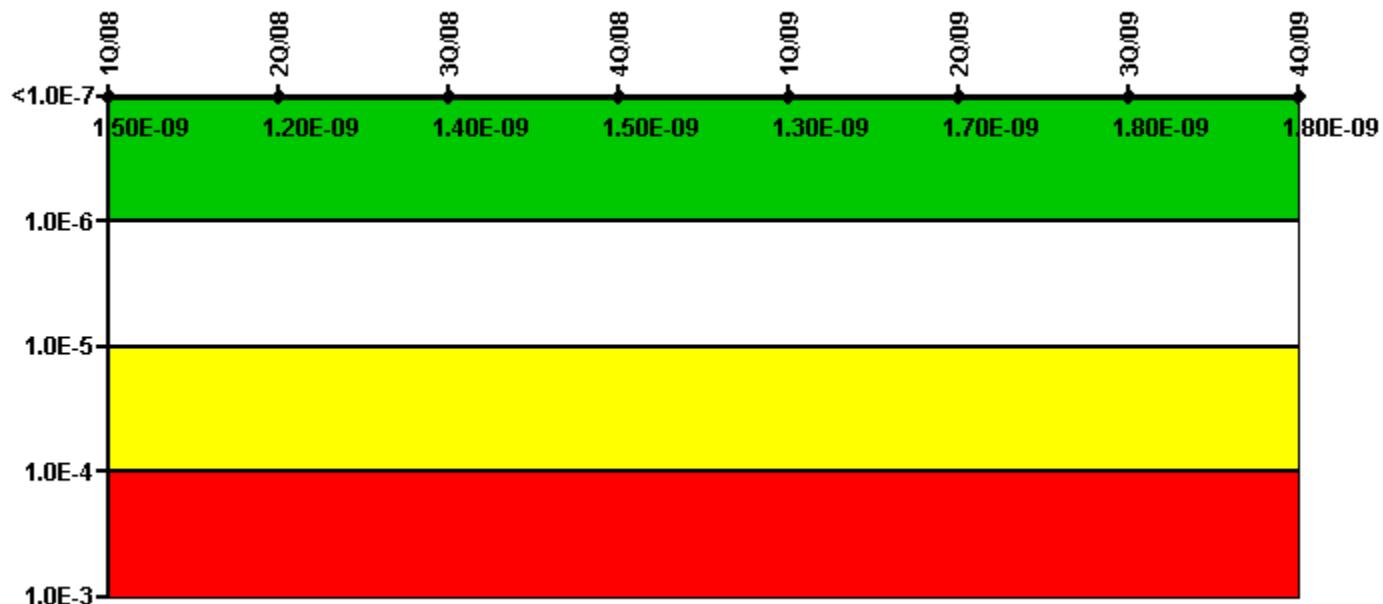
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	-4.90E-09	-4.90E-09	-1.50E-08	-1.20E-08	-1.90E-08	7.70E-09	2.60E-09	-2.50E-09
URI (Δ CDF)	-1.10E-07	-1.10E-07	-1.10E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07
PLE	NO							
Indicator value	-1.15E-07	-1.15E-07	-1.25E-07	-1.12E-07	-1.19E-07	-9.23E-08	-9.74E-08	-1.03E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



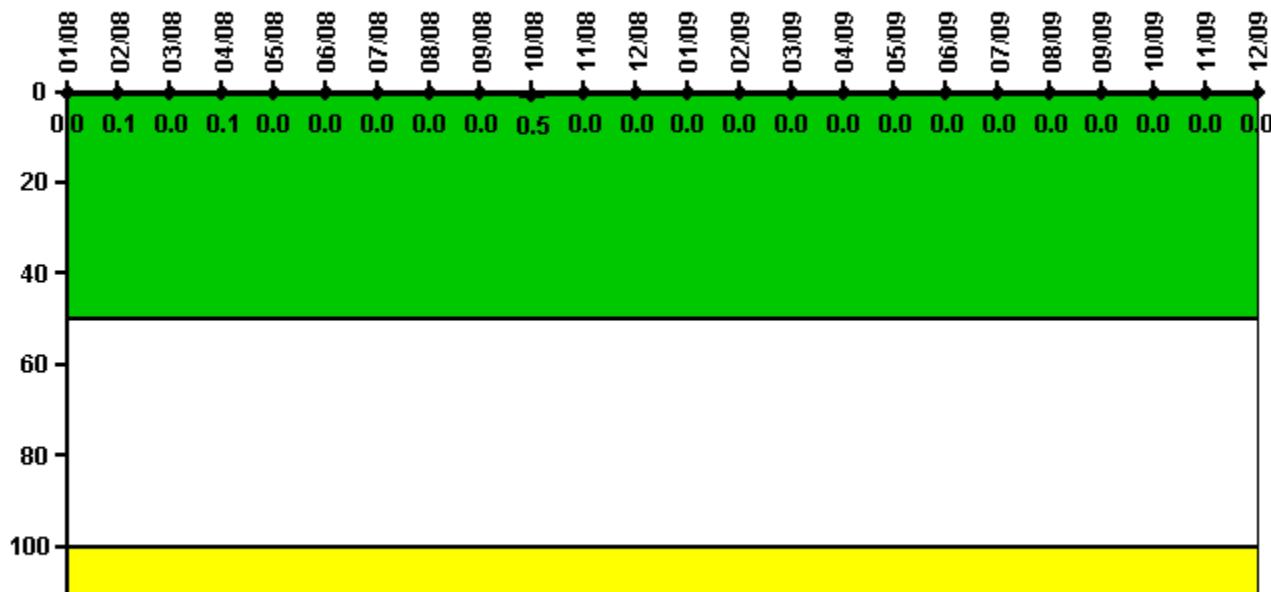
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (Δ CDF)	-2.00E-09							
URI (Δ CDF)	3.50E-09	3.20E-09	3.40E-09	3.50E-09	3.30E-09	3.70E-09	3.80E-09	3.80E-09
PLE	NO							
Indicator value	1.50E-09	1.20E-09	1.40E-09	1.50E-09	1.30E-09	1.70E-09	1.80E-09	1.80E-09

Licensee Comments: none

Reactor Coolant System Activity



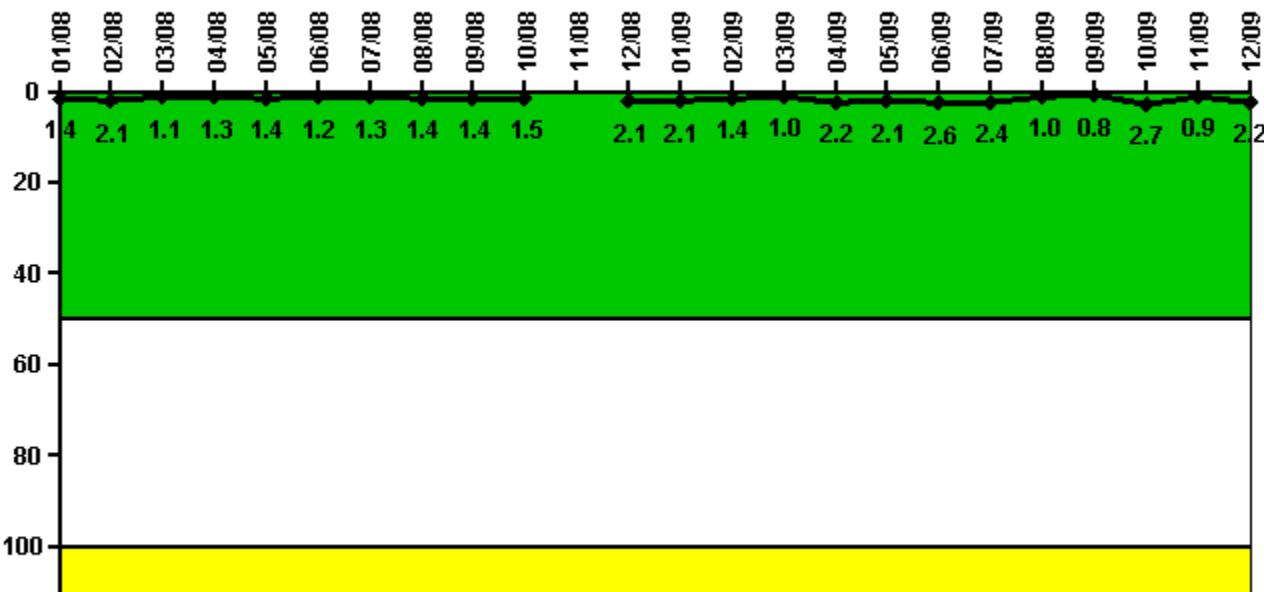
Thresholds: White > 50.0 Yellow > 100.0

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	0.001400	0.002640	0.001280	0.004000	0.001600	0.001290	0.001460	0.001470	0.001520	0.017700	0.000138	0.000259
Indicator value	0	0.1	0	0.1	0	0	0	0	0	0.5	0	0
Reactor Coolant System Activity	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum activity	0.000364	0.000369	0.000293	0.000372	0.000416	0.000423	0.000436	0.000356	0.000354	0.000454	0.000486	0.000461
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

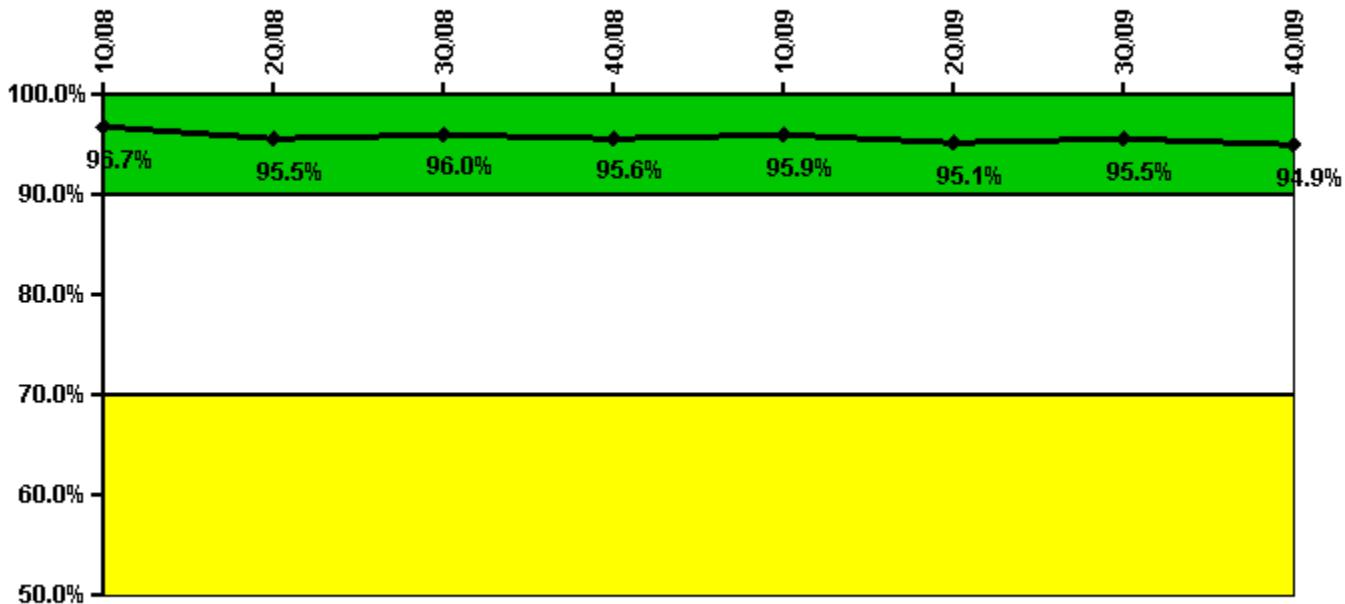
Notes

Reactor Coolant System Leakage	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum leakage	0.141	0.212	0.109	0.134	0.137	0.122	0.131	0.143	0.143	0.153	N/A	0.214
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	2.1	1.1	1.3	1.4	1.2	1.3	1.4	1.4	1.5	N/A	2.1
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	0.205	0.135	0.103	0.218	0.210	0.263	0.239	0.101	0.080	0.268	0.089	0.221
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	1.4	1.0	2.2	2.1	2.6	2.4	1.0	0.8	2.7	0.9	2.2

Licensee Comments:

12/09: Total Leakage is being reported in lieu of Identified Leakage.

Drill/Exercise Performance



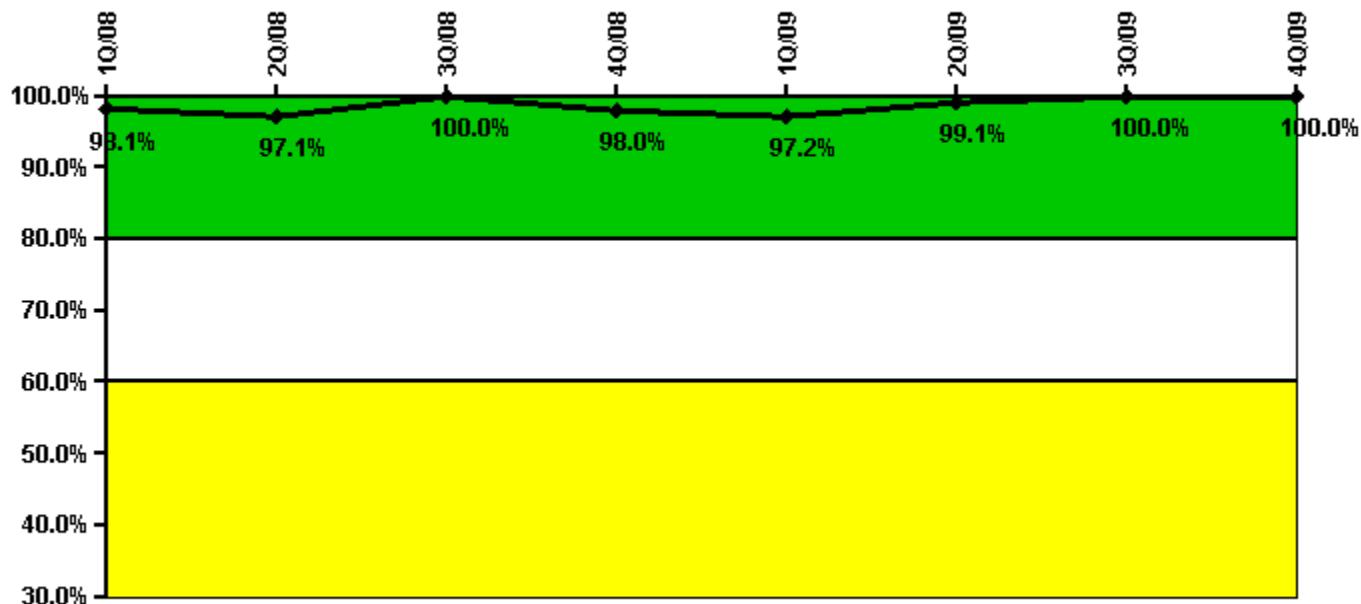
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful opportunities	11.0	34.0	26.0	4.0	18.0	38.0	15.0	20.0
Total opportunities	14.0	36.0	26.0	4.0	18.0	40.0	15.0	22.0
Indicator value	96.7%	95.5%	96.0%	95.6%	95.9%	95.1%	95.5%	94.9%

Licensee Comments: none

ERO Drill Participation



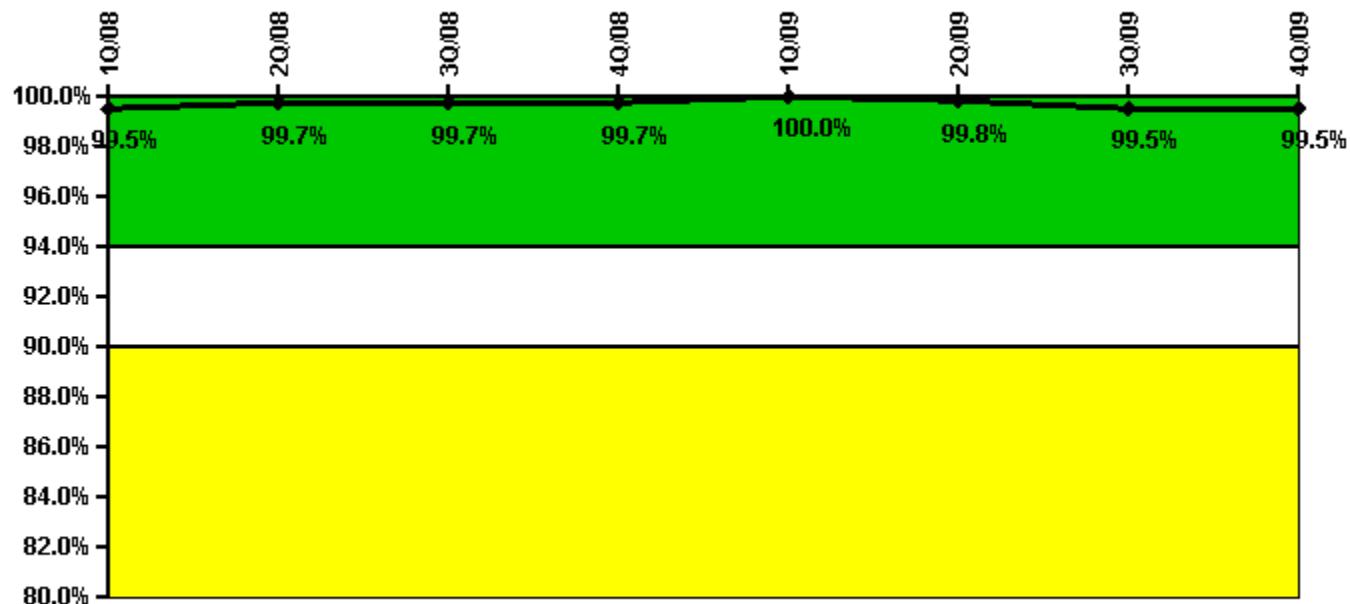
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Participating Key personnel	103.0	101.0	105.0	100.0	103.0	108.0	112.0	113.0
Total Key personnel	105.0	104.0	105.0	102.0	106.0	109.0	112.0	113.0
Indicator value	98.1%	97.1%	100.0%	98.0%	97.2%	99.1%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



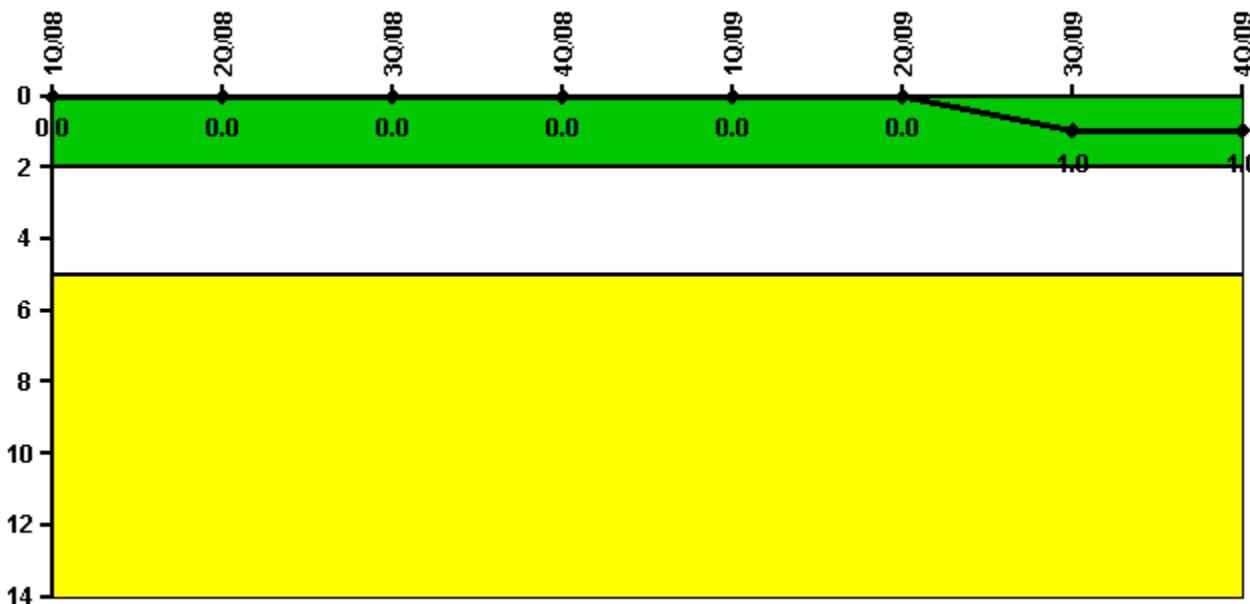
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful siren-tests	145	147	147	147	147	146	145	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.5%	99.7%	99.7%	99.7%	100.0%	99.8%	99.5%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



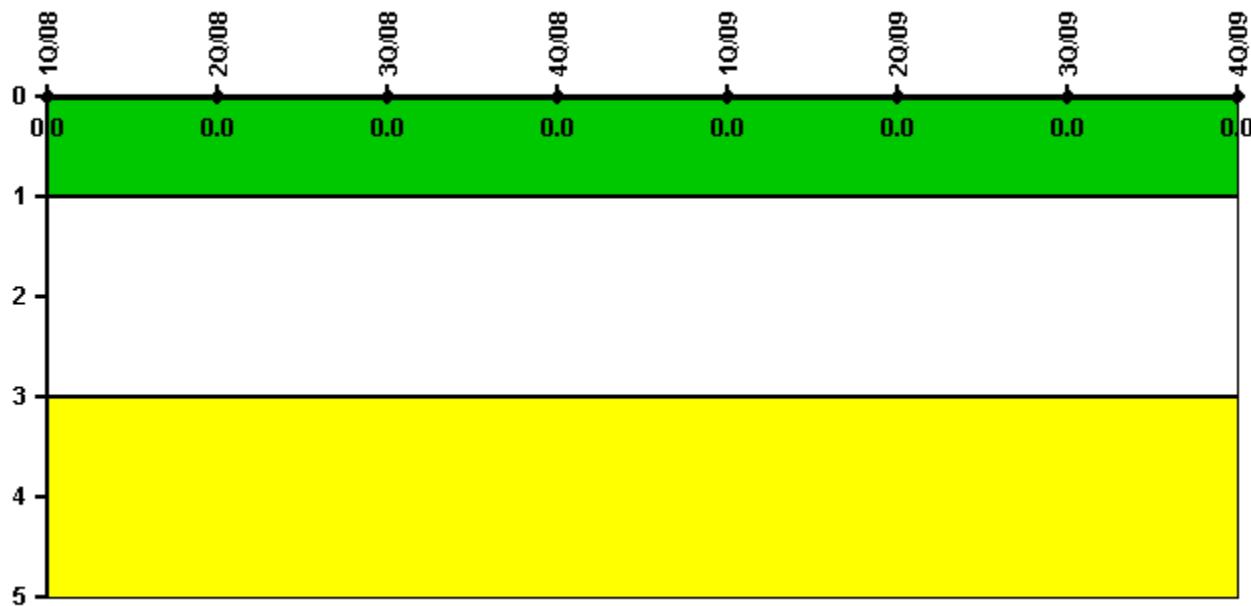
Thresholds: White > 2.0 Yellow > 5.0

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

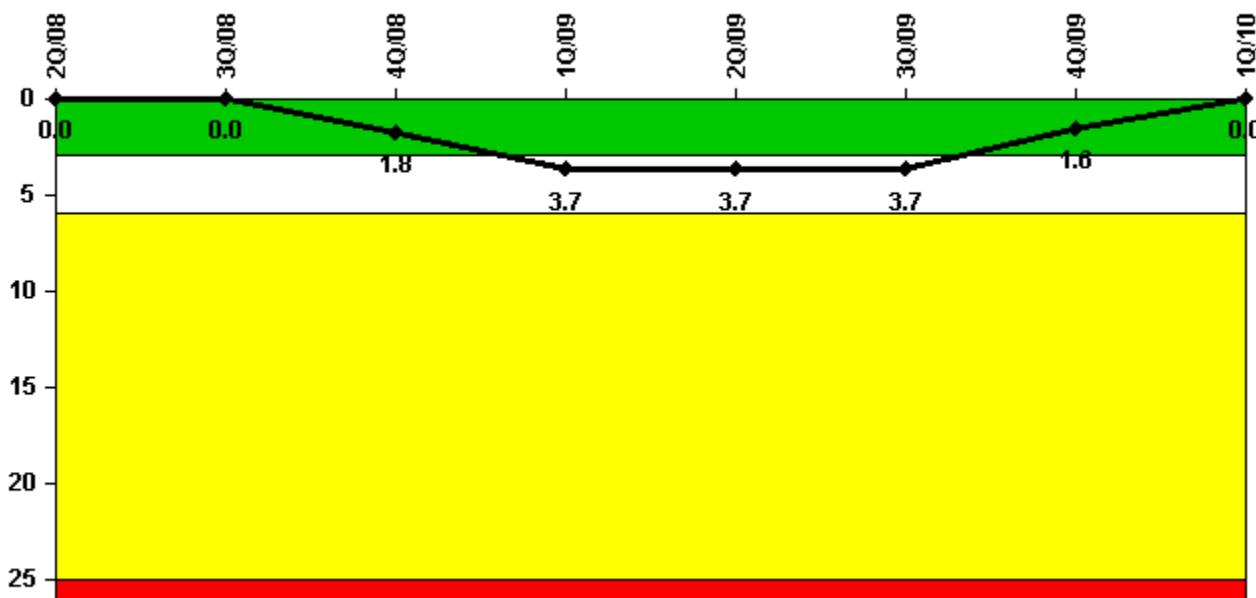
Security information not publicly available.

Arkansas Nuclear 1

1Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



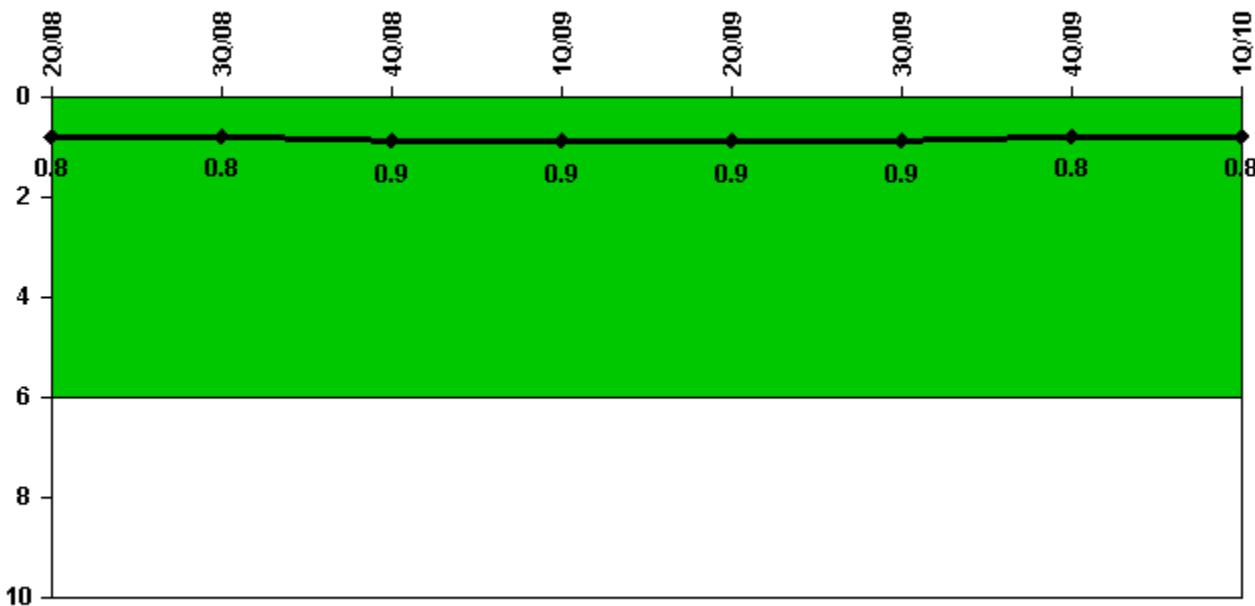
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned scrams	0	0	2.0	2.0	0	0	0	0
Critical hours	2184.0	2208.0	1010.4	2069.3	2184.0	2208.0	2209.0	1903.0
Indicator value	0	0	1.8	3.7	3.7	3.7	1.6	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



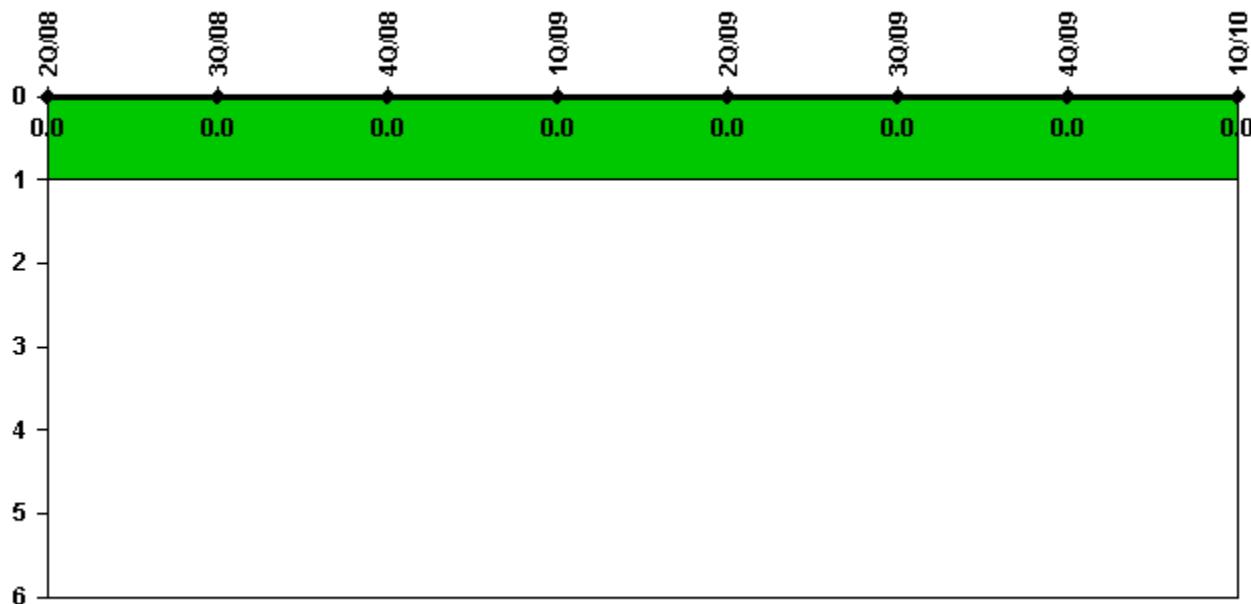
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned power changes	1.0	0	0	0	1.0	0	0	0
Critical hours	2184.0	2208.0	1010.4	2069.3	2184.0	2208.0	2209.0	1903.0
Indicator value	0.8	0.8	0.9	0.9	0.9	0.9	0.8	0.8

Licensee Comments: none

Unplanned Scrams with Complications



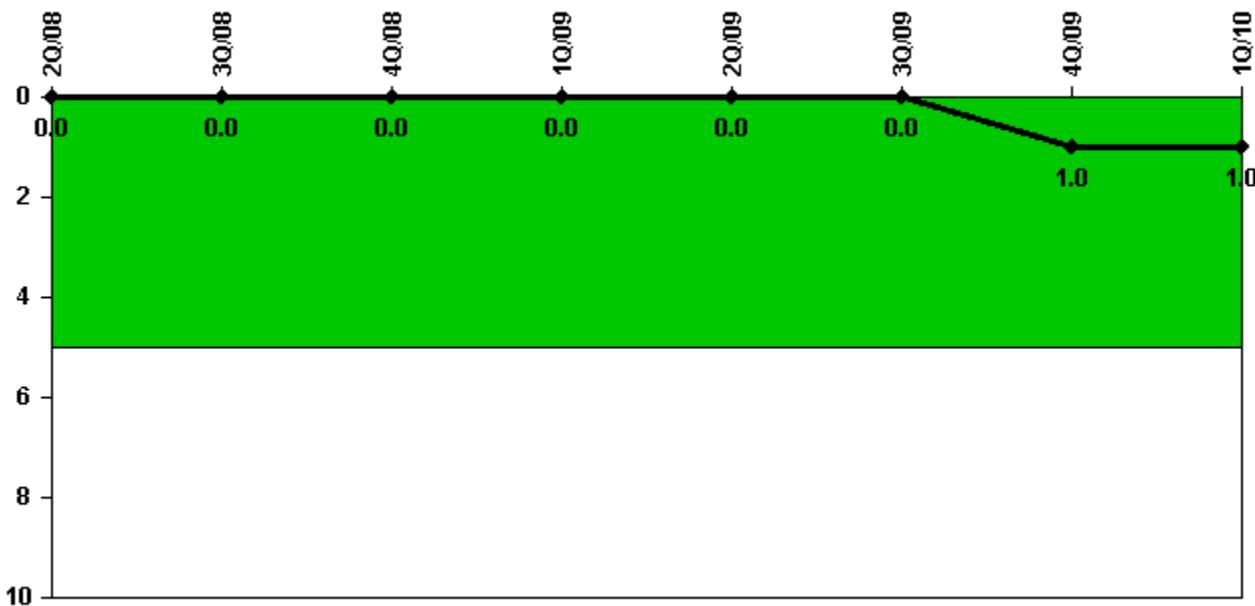
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/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)



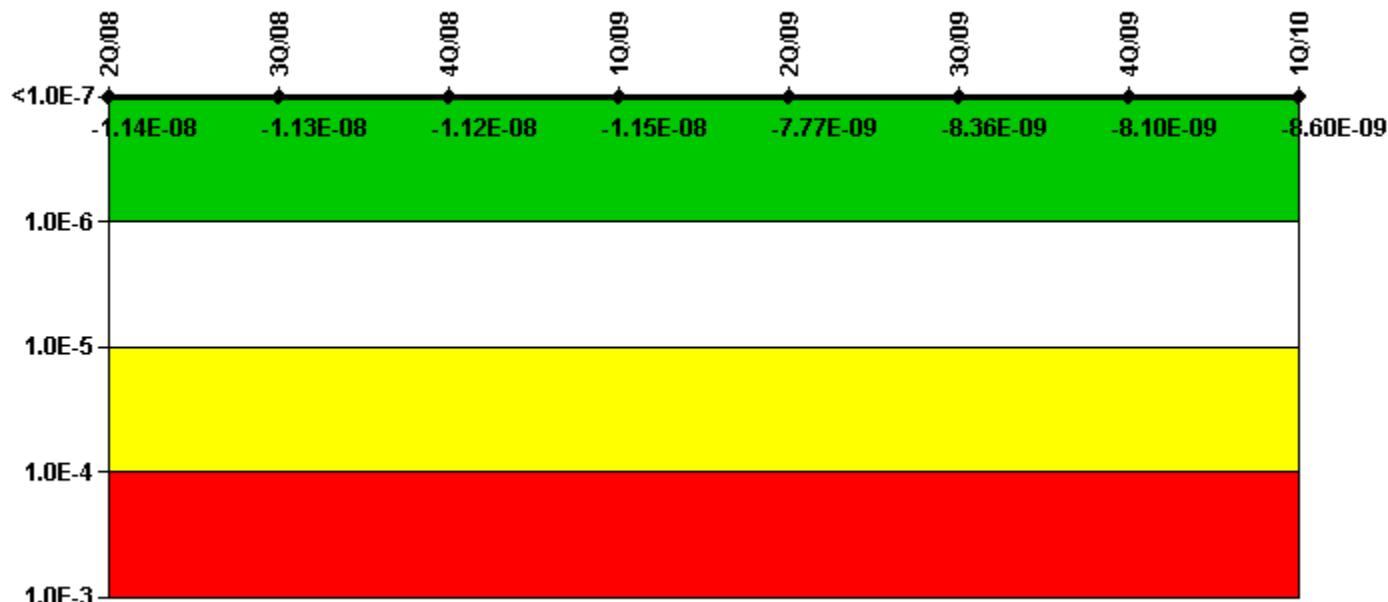
Thresholds: White > 5.0

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	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 > $1.00E-4$

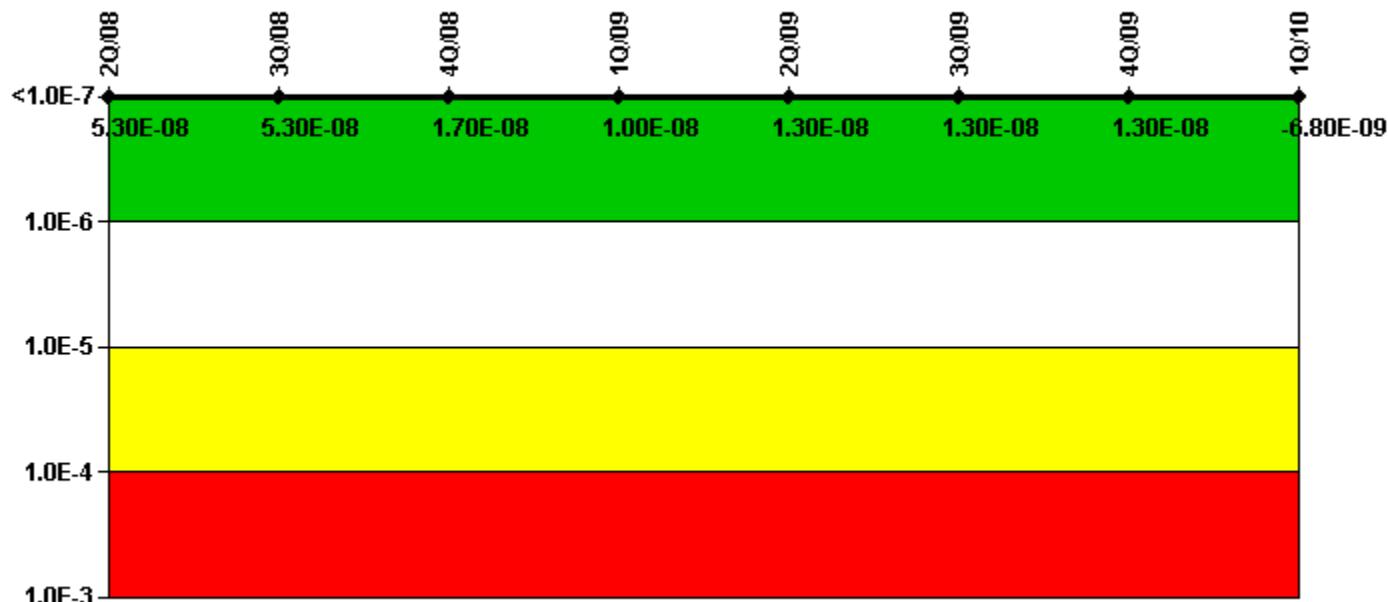
Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (Δ CDF)	$-3.10E-09$	$-3.10E-09$	$-3.10E-09$	$-3.10E-09$	$9.30E-10$	$9.40E-10$	$1.90E-09$	$1.27E-09$
URI (Δ CDF)	$-8.30E-09$	$-8.20E-09$	$-8.10E-09$	$-8.40E-09$	$-8.70E-09$	$-9.30E-09$	$-1.00E-08$	$-9.84E-09$
PLE	NO							
Indicator value	$-1.14E-08$	$-1.13E-08$	$-1.12E-08$	$-1.15E-08$	$-7.77E-09$	$-8.36E-09$	$-8.10E-09$	$-8.60E-09$

Licensee Comments:

1Q/10: As required by NEI 99-02 guidance, the ANO-1 MSPI Basis Document has been revised to reflect a revision the ANO-1 PRA model. The new Basis Document PRA coefficients for each of the 5 MSPI Systems have been entered into CDE and are effective for the 1Q2010 data.

Mitigating Systems Performance Index, High Pressure Injection System



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

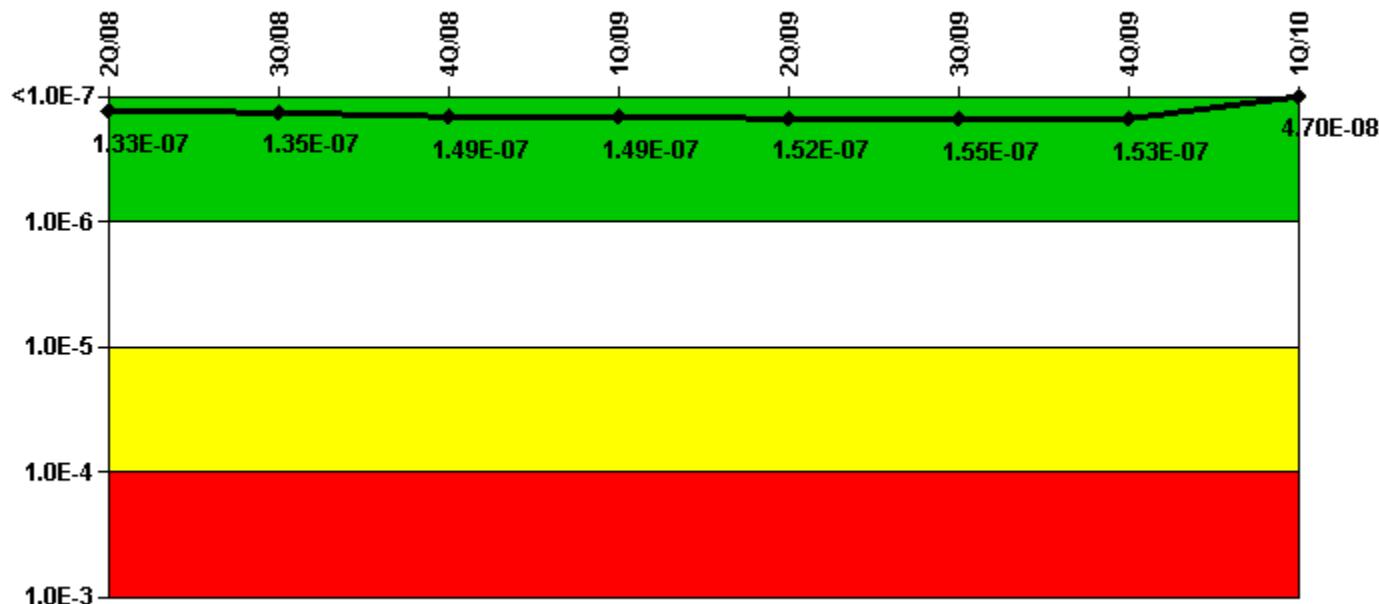
Notes

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)	4.00E-08	4.00E-08	3.60E-08	2.90E-08	3.20E-08	3.20E-08	3.20E-08	2.12E-11
URI (Δ CDF)	1.30E-08	1.30E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-6.81E-09
PLE	NO							
Indicator value	5.30E-08	5.30E-08	1.70E-08	1.00E-08	1.30E-08	1.30E-08	1.30E-08	-6.80E-09

Licensee Comments:

1Q/10: As required by NEI 99-02 guidance, the ANO-1 MSPI Basis Document has been revised to reflect a revision the ANO-1 PRA model. The new Basis Document PRA coefficients for each of the 5 MSPI Systems have been entered into CDE and are effective for the 1Q2010 data.

Mitigating Systems Performance Index, Heat Removal System



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

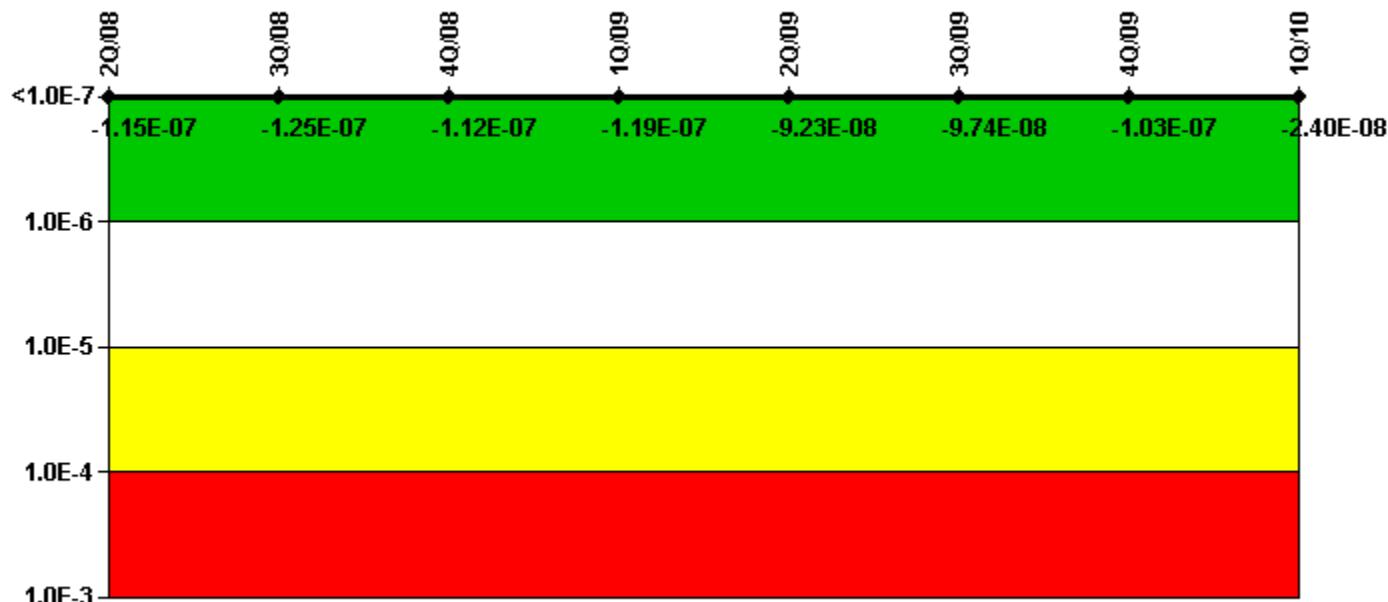
Notes

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)	7.30E-08	7.70E-08	9.10E-08	9.20E-08	9.40E-08	9.70E-08	9.30E-08	2.70E-08
URI (Δ CDF)	6.00E-08	5.80E-08	5.80E-08	5.70E-08	5.80E-08	5.80E-08	6.00E-08	2.03E-08
PLE	NO							
Indicator value	1.33E-07	1.35E-07	1.49E-07	1.49E-07	1.52E-07	1.55E-07	1.53E-07	4.70E-08

Licensee Comments:

1Q/10: As required by NEI 99-02 guidance, the ANO-1 MSPI Basis Document has been revised to reflect a revision the ANO-1 PRA model. The new Basis Document PRA coefficients for each of the 5 MSPI Systems have been entered into CDE and are effective for the 1Q2010 data.

Mitigating Systems Performance Index, Residual Heat Removal System



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

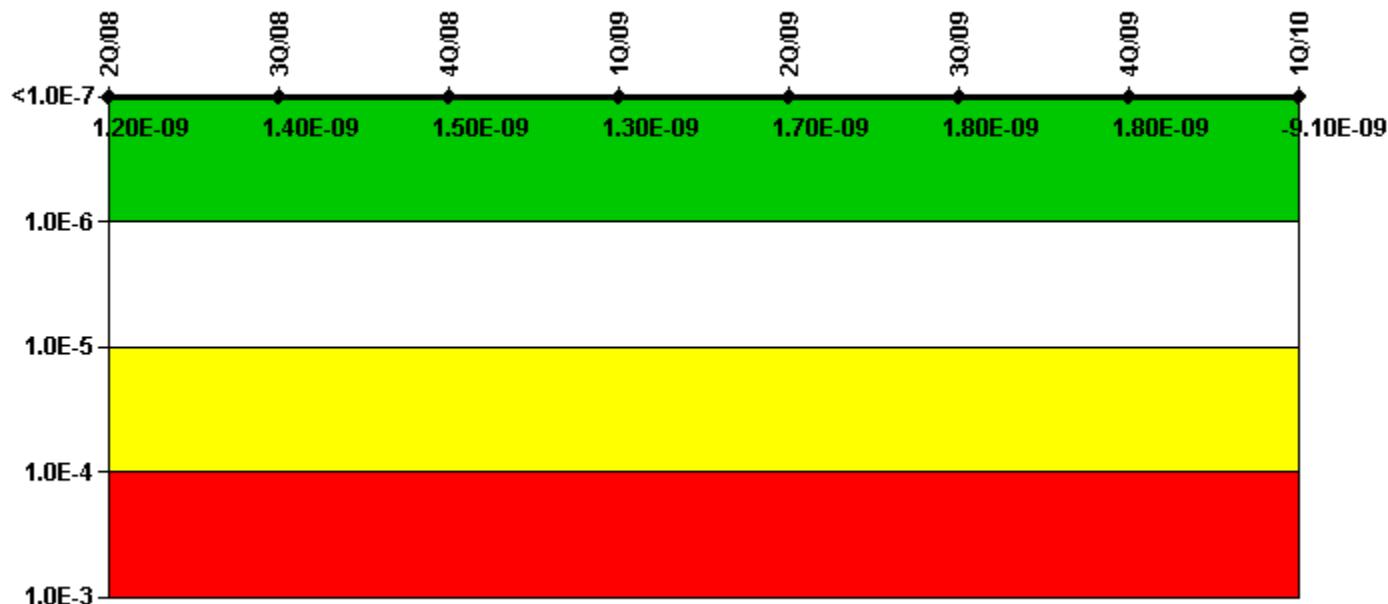
Notes

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)	-4.90E-09	-1.50E-08	-1.20E-08	-1.90E-08	7.70E-09	2.60E-09	-2.50E-09	1.52E-08
URI (Δ CDF)	-1.10E-07	-1.10E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-3.90E-08
PLE	NO							
Indicator value	-1.15E-07	-1.25E-07	-1.12E-07	-1.19E-07	-9.23E-08	-9.74E-08	-1.03E-07	-2.40E-08

Licensee Comments:

1Q/10: As required by NEI 99-02 guidance, the ANO-1 MSPI Basis Document has been revised to reflect a revision the ANO-1 PRA model. The new Basis Document PRA coefficients for each of the 5 MSPI Systems have been entered into CDE and are effective for the 1Q2010 data.

Mitigating Systems Performance Index, Cooling Water Systems



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

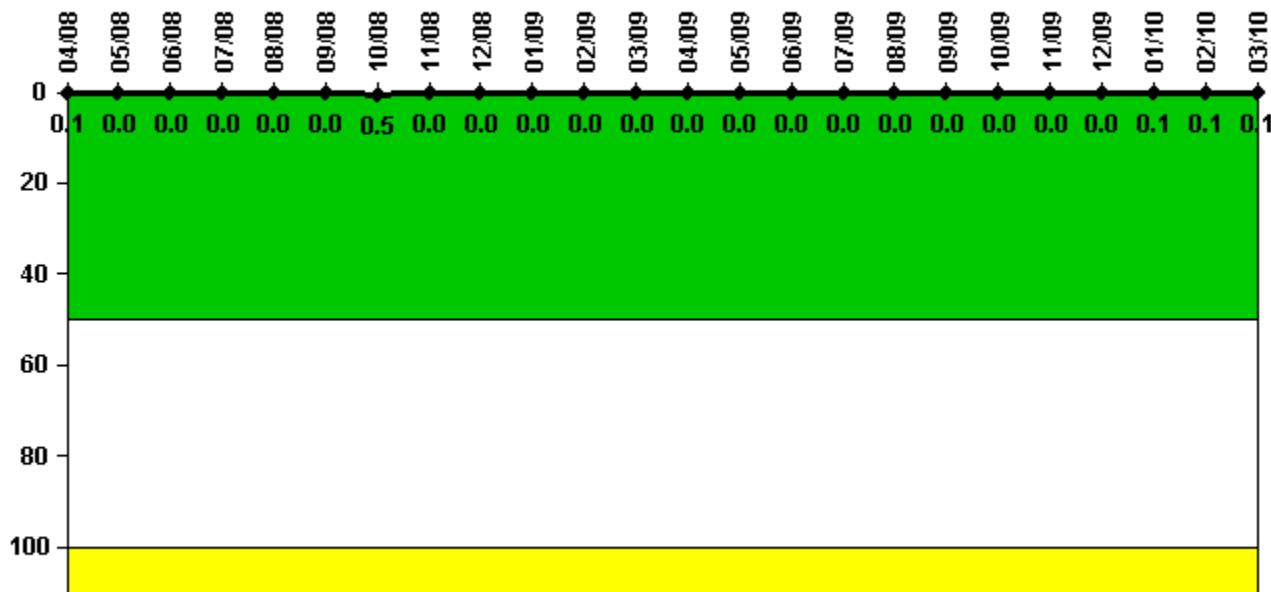
Notes

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)	-2.00E-09	-4.23E-09						
URI (Δ CDF)	3.20E-09	3.40E-09	3.50E-09	3.30E-09	3.70E-09	3.80E-09	3.80E-09	-4.84E-09
PLE	NO							
Indicator value	1.20E-09	1.40E-09	1.50E-09	1.30E-09	1.70E-09	1.80E-09	1.80E-09	-9.10E-09

Licensee Comments:

1Q/10: As required by NEI 99-02 guidance, the ANO-1 MSPI Basis Document has been revised to reflect a revision to the ANO-1 PRA model. The new Basis Document PRA coefficients for each of the 5 MSPI Systems have been entered into CDE and are effective for the 1Q2010 data. Components SG-6 and SG-7 were removed from monitored component scope for the MSPI Cooling Water System.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

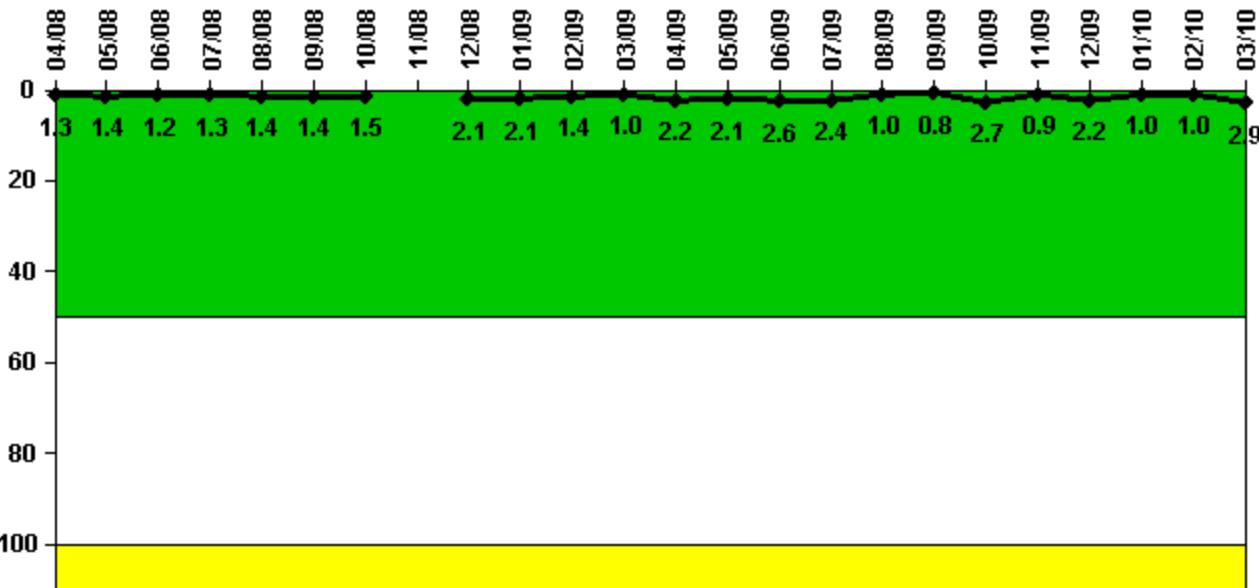
Notes

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	0.004000	0.001600	0.001290	0.001460	0.001470	0.001520	0.017700	0.000138	0.000259	0.000364	0.000369	0.000293
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.1	0	0	0	0	0	0.5	0	0	0	0	0
Reactor Coolant System Activity	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum activity	0.000372	0.000416	0.000423	0.000436	0.000356	0.000354	0.000454	0.000486	0.000461	0.000542	0.000513	0.000880
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	1.0	1.0	1.0
Indicator value	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1

Licensee Comments:

3/10: ANO-1 Technical Specification limit for RCS activity (dose equivalent Iodine-131) was changed from 3.5 to 1.0 microCi/gm effective January 01, 2010. The change was required to allow the implementation of Alternate Source Term for ANO-1.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

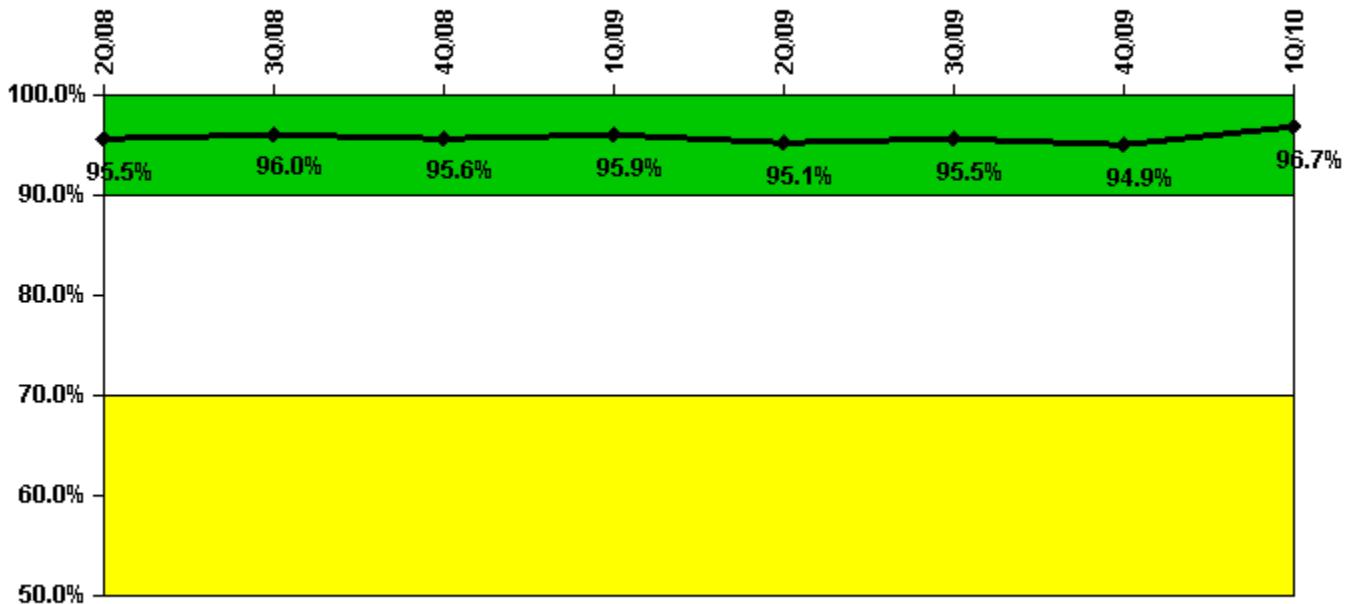
Notes

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	0.134	0.137	0.122	0.131	0.143	0.143	0.153	N/A	0.214	0.205	0.135	0.103
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	1.4	1.2	1.3	1.4	1.4	1.5	N/A	2.1	2.1	1.4	1.0
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	0.218	0.210	0.263	0.239	0.101	0.080	0.268	0.089	0.221	0.098	0.096	0.285
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	2.1	2.6	2.4	1.0	0.8	2.7	0.9	2.2	1.0	1.0	2.9

Licensee Comments:

3/10: Total Leakage is being reported in lieu of Identified Leakage

Drill/Exercise Performance



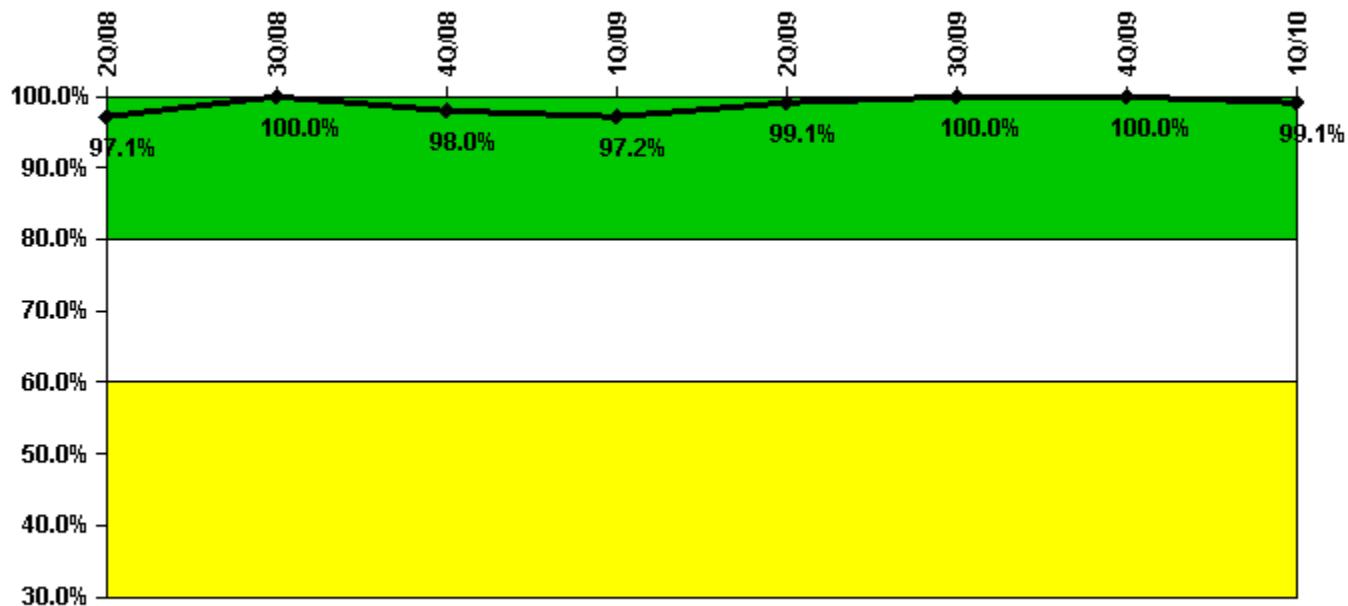
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful opportunities	34.0	26.0	4.0	18.0	38.0	15.0	20.0	23.0
Total opportunities	36.0	26.0	4.0	18.0	40.0	15.0	22.0	23.0
Indicator value	95.5%	96.0%	95.6%	95.9%	95.1%	95.5%	94.9%	96.7%

Licensee Comments: none

ERO Drill Participation



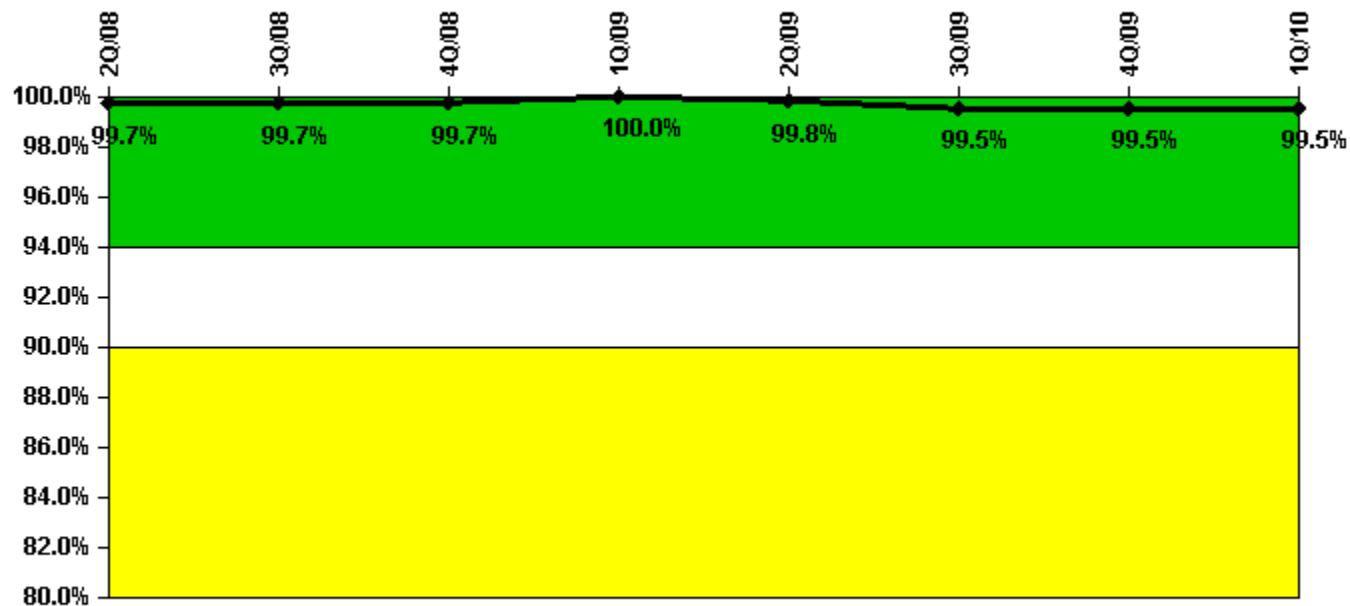
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Participating Key personnel	101.0	105.0	100.0	103.0	108.0	112.0	113.0	113.0
Total Key personnel	104.0	105.0	102.0	106.0	109.0	112.0	113.0	114.0
Indicator value	97.1%	100.0%	98.0%	97.2%	99.1%	100.0%	100.0%	99.1%

Licensee Comments: none

Alert & Notification System



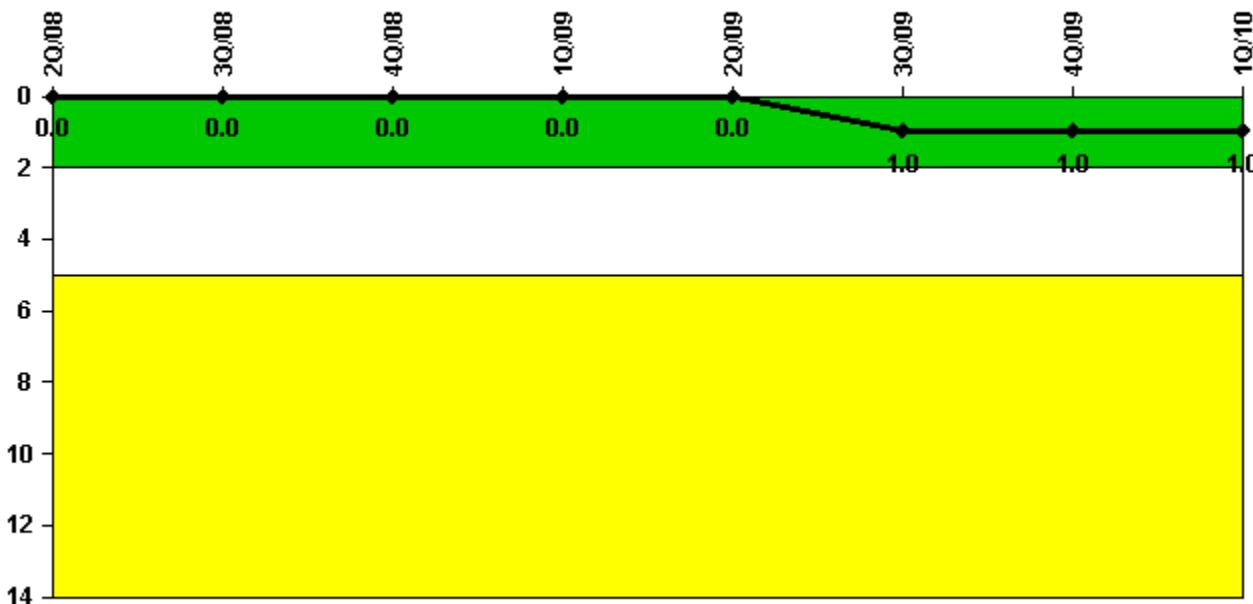
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Successful siren-tests	147	147	147	147	146	145	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.7%	99.7%	99.7%	100.0%	99.8%	99.5%	99.5%	99.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



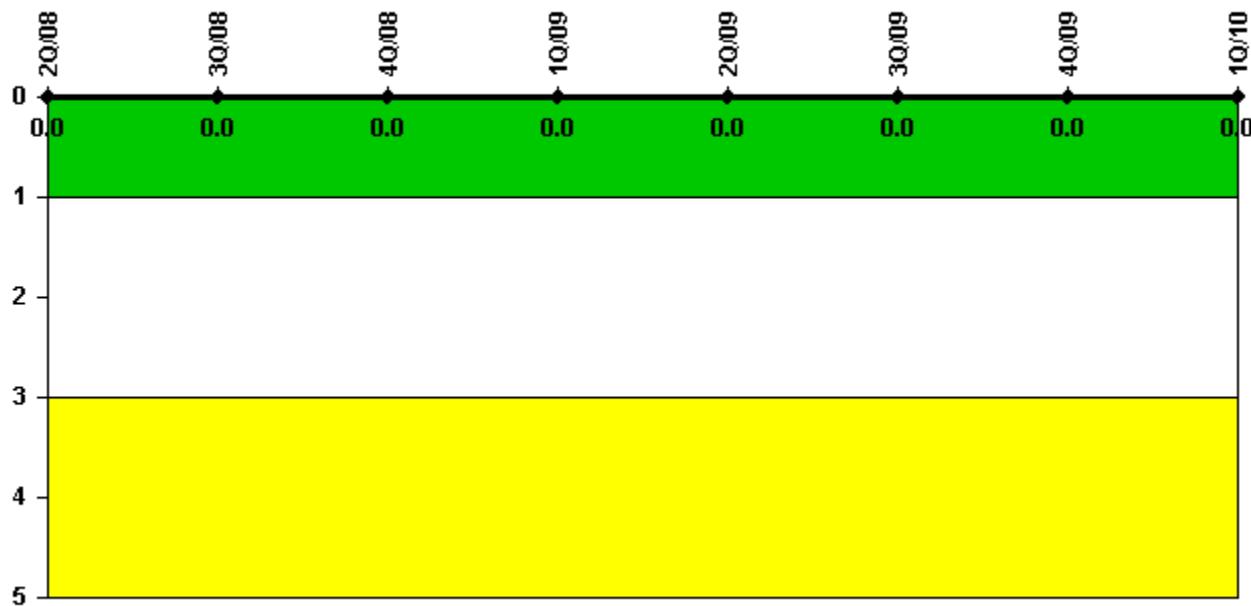
Thresholds: White > 2.0 Yellow > 5.0

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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](#)

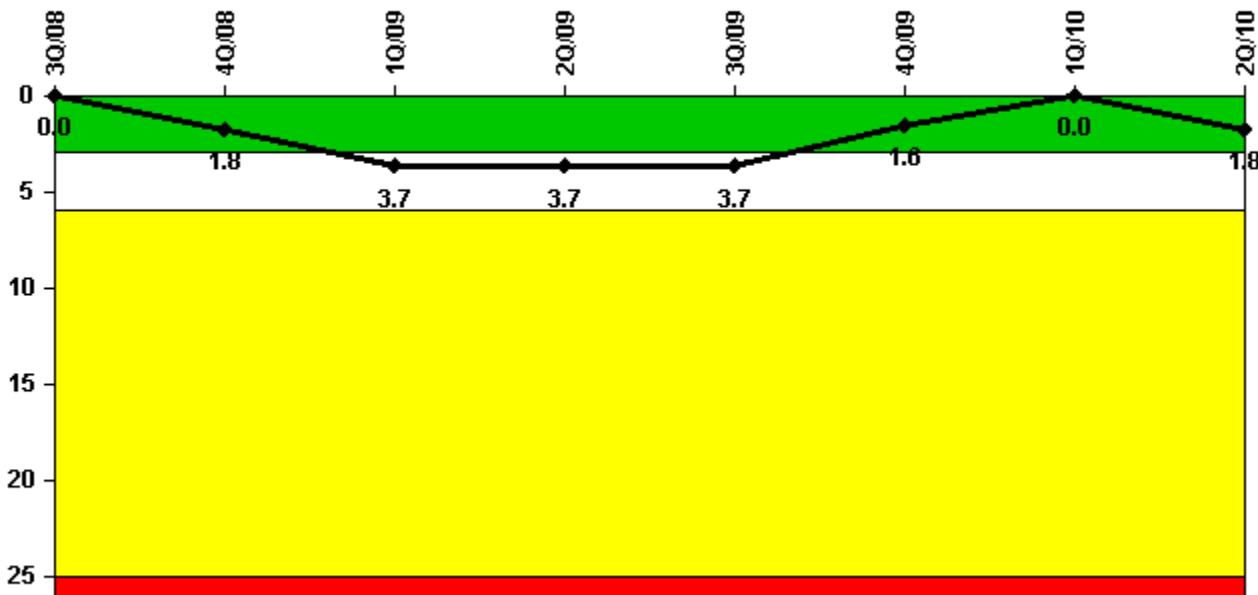
Last Modified: April 26, 2010

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2Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



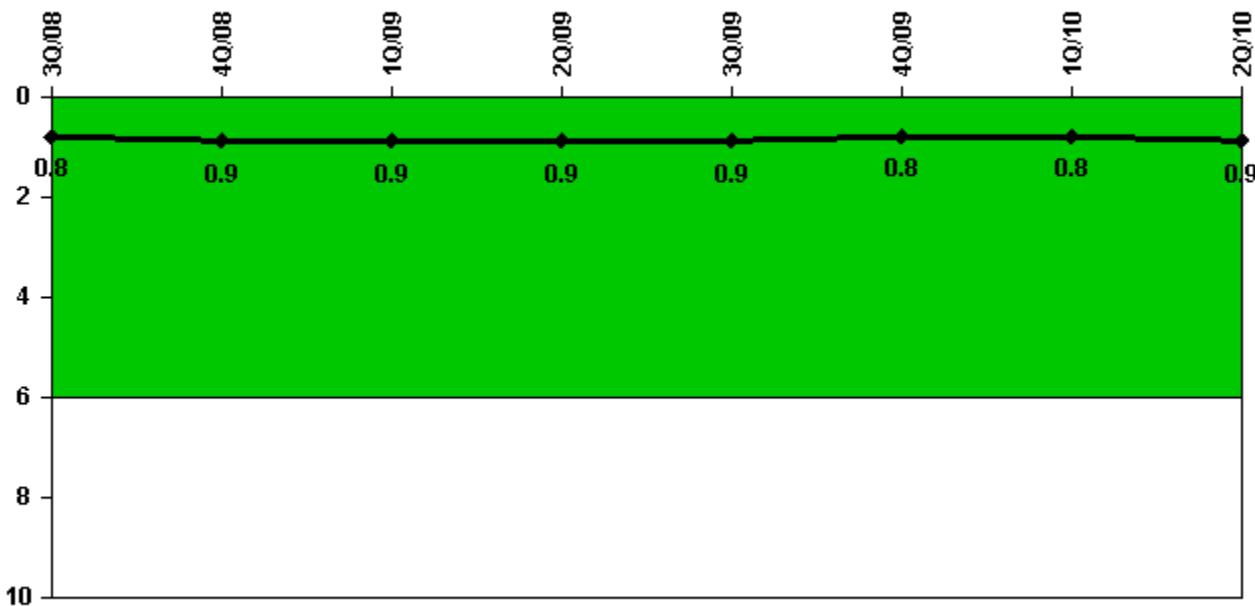
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned scrams	0	2.0	2.0	0	0	0	0	2.0
Critical hours	2208.0	1010.4	2069.3	2184.0	2208.0	2209.0	1903.0	1611.9
Indicator value	0	1.8	3.7	3.7	3.7	1.6	0	1.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



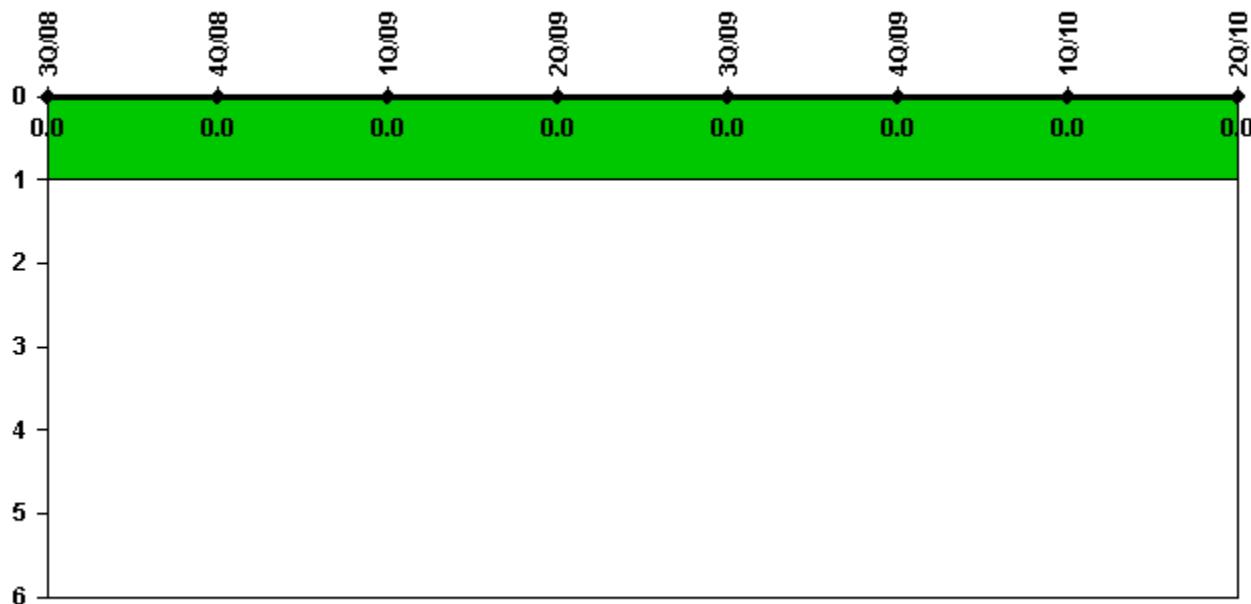
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned power changes	0	0	0	1.0	0	0	0	1.0
Critical hours	2208.0	1010.4	2069.3	2184.0	2208.0	2209.0	1903.0	1611.9
Indicator value	0.8	0.9	0.9	0.9	0.9	0.8	0.8	0.9

Licensee Comments: none

Unplanned Scrams with Complications



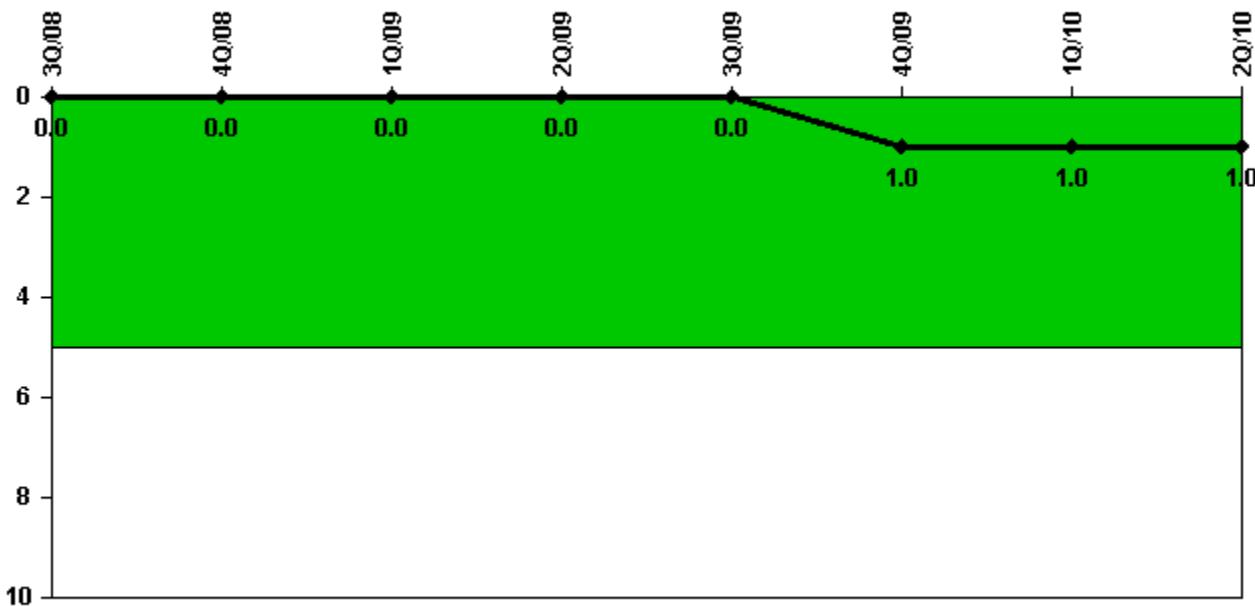
Thresholds: White > 1.0

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)



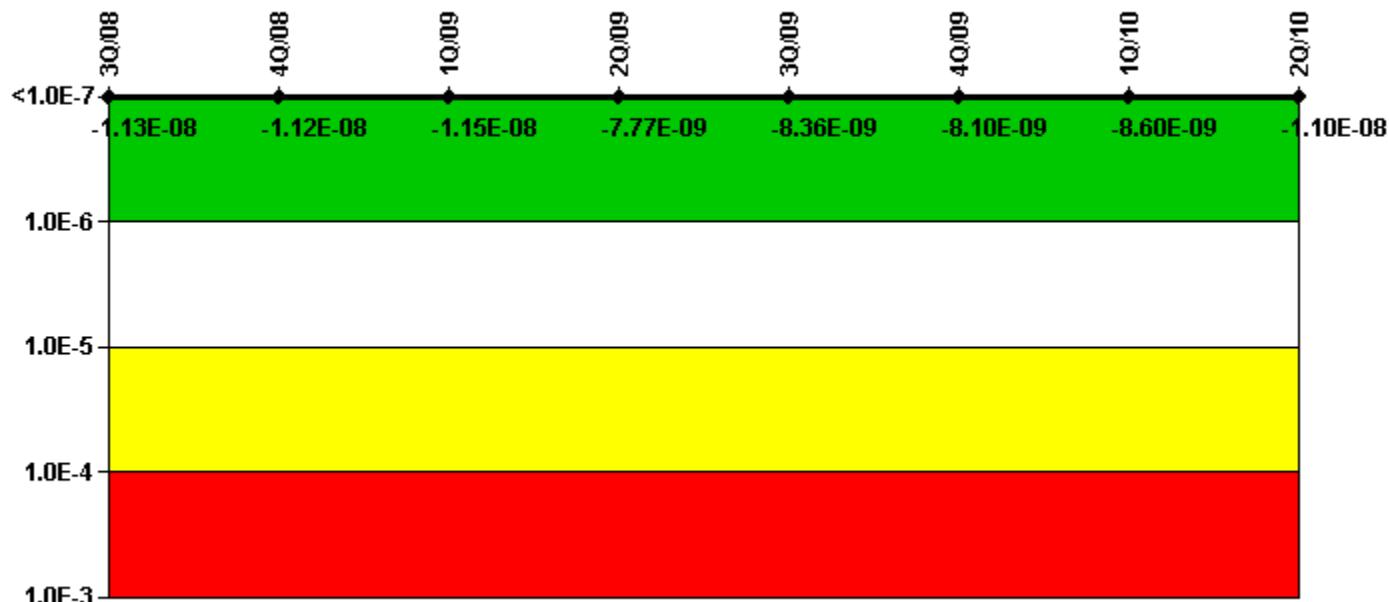
Thresholds: White > 5.0

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



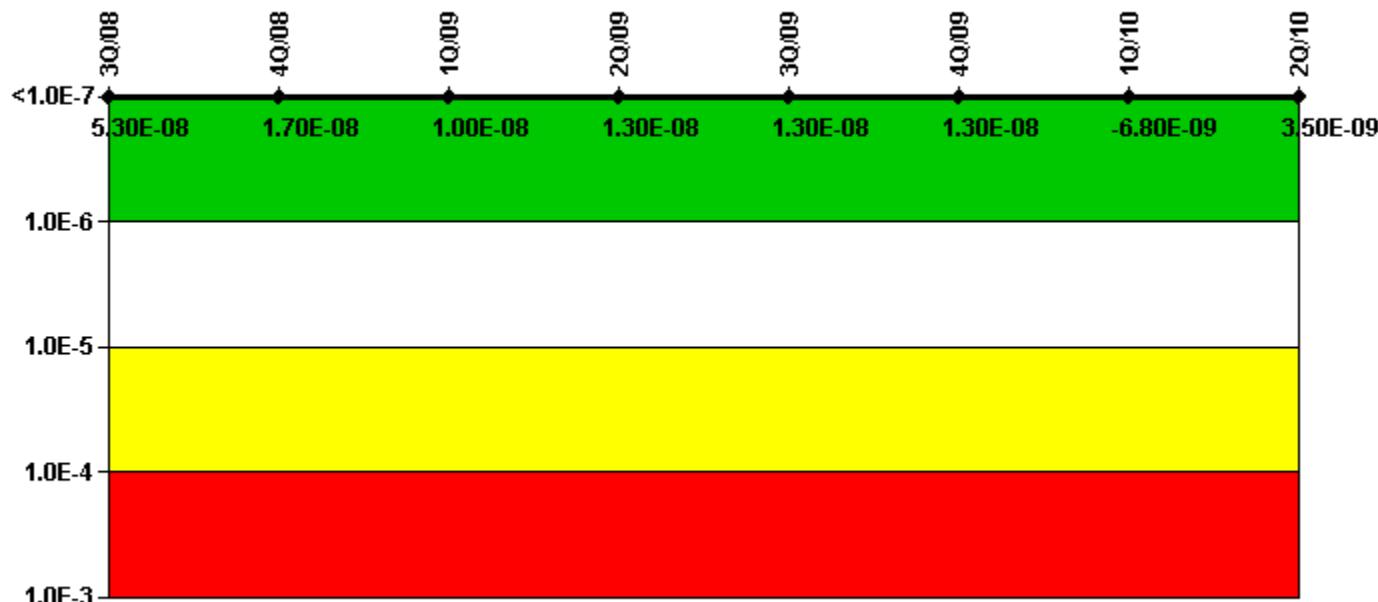
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	-3.10E-09	-3.10E-09	-3.10E-09	9.30E-10	9.40E-10	1.90E-09	1.27E-09	-2.11E-09
URI (Δ CDF)	-8.20E-09	-8.10E-09	-8.40E-09	-8.70E-09	-9.30E-09	-1.00E-08	-9.84E-09	-8.78E-09
PLE	NO							
Indicator value	-1.13E-08	-1.12E-08	-1.15E-08	-7.77E-09	-8.36E-09	-8.10E-09	-8.60E-09	-1.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



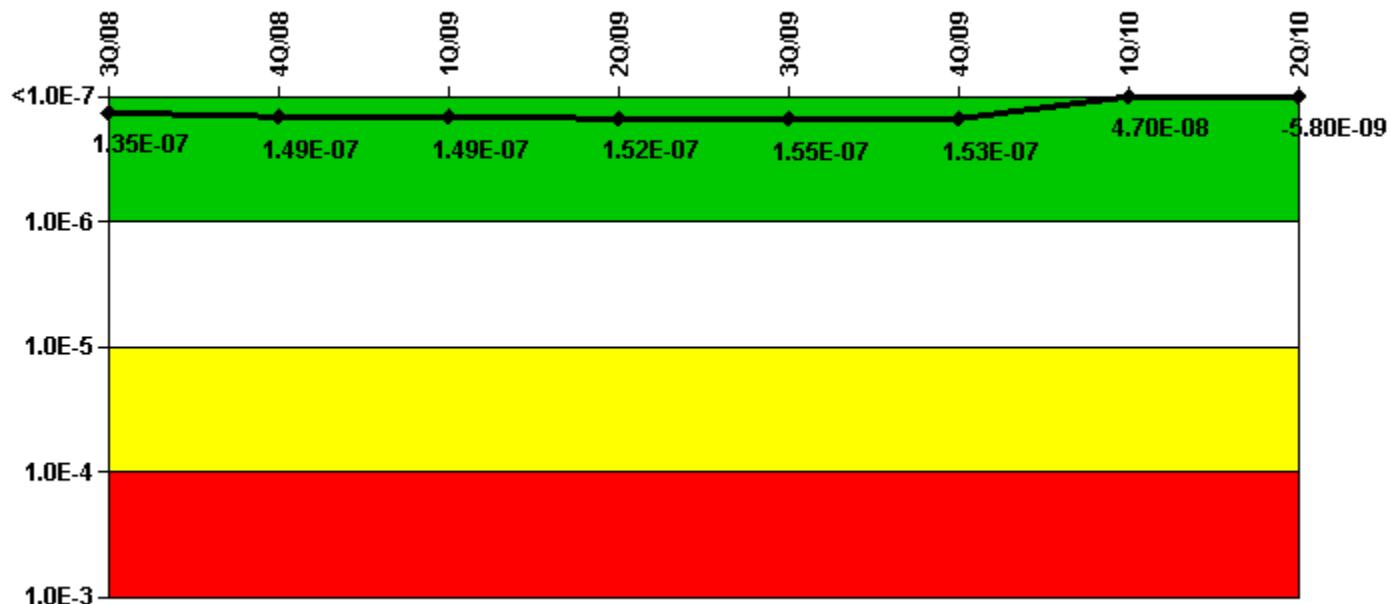
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	4.00E-08	3.60E-08	2.90E-08	3.20E-08	3.20E-08	3.20E-08	2.12E-11	2.13E-11
URI (Δ CDF)	1.30E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-6.81E-09	3.46E-09
PLE	NO	NO						
Indicator value	5.30E-08	1.70E-08	1.00E-08	1.30E-08	1.30E-08	1.30E-08	-6.80E-09	3.50E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



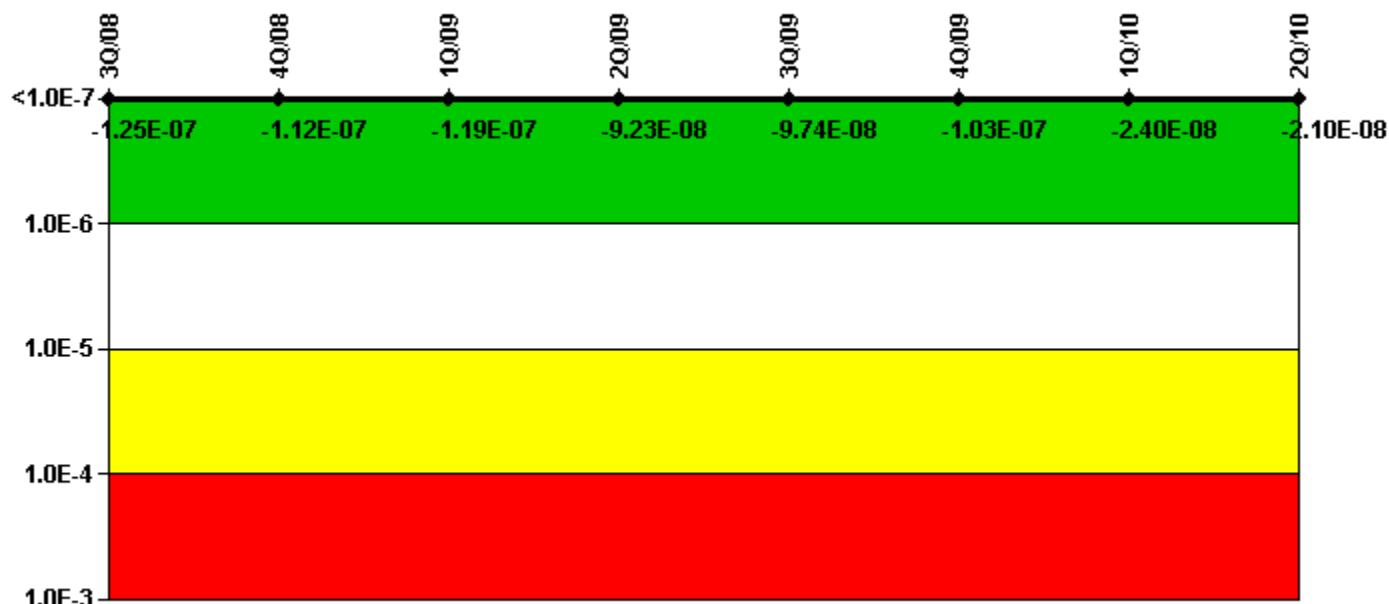
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	7.70E-08	9.10E-08	9.20E-08	9.40E-08	9.70E-08	9.30E-08	2.70E-08	1.94E-08
URI (Δ CDF)	5.80E-08	5.80E-08	5.70E-08	5.80E-08	5.80E-08	6.00E-08	2.03E-08	-2.51E-08
PLE	NO							
Indicator value	1.35E-07	1.49E-07	1.49E-07	1.52E-07	1.55E-07	1.53E-07	4.70E-08	-5.80E-09

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



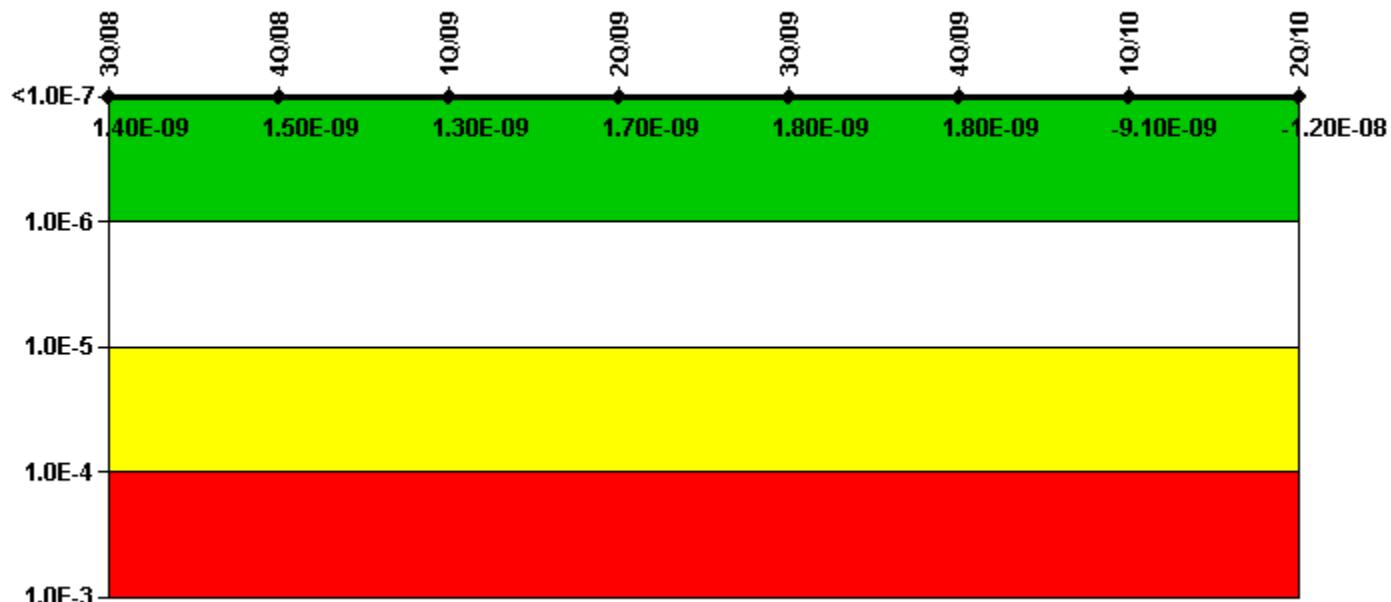
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	-1.50E-08	-1.20E-08	-1.90E-08	7.70E-09	2.60E-09	-2.50E-09	1.52E-08	1.54E-08
URI (Δ CDF)	-1.10E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-3.90E-08	-3.67E-08
PLE	NO							
Indicator value	-1.25E-07	-1.12E-07	-1.19E-07	-9.23E-08	-9.74E-08	-1.03E-07	-2.40E-08	-2.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



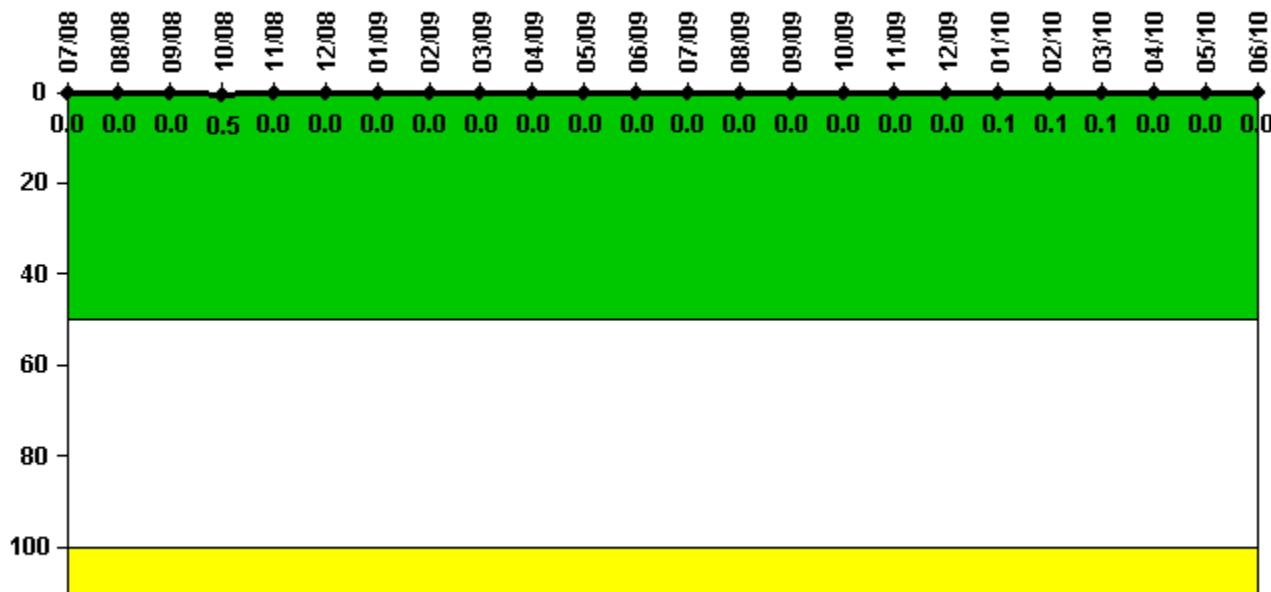
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (Δ CDF)	-2.00E-09	-2.00E-09	-2.00E-09	-2.00E-09	-2.00E-09	-2.00E-09	-4.23E-09	-4.22E-09
URI (Δ CDF)	3.40E-09	3.50E-09	3.30E-09	3.70E-09	3.80E-09	3.80E-09	-4.84E-09	-7.28E-09
PLE	NO	NO						
Indicator value	1.40E-09	1.50E-09	1.30E-09	1.70E-09	1.80E-09	1.80E-09	-9.10E-09	-1.20E-08

Licensee Comments: none

Reactor Coolant System Activity



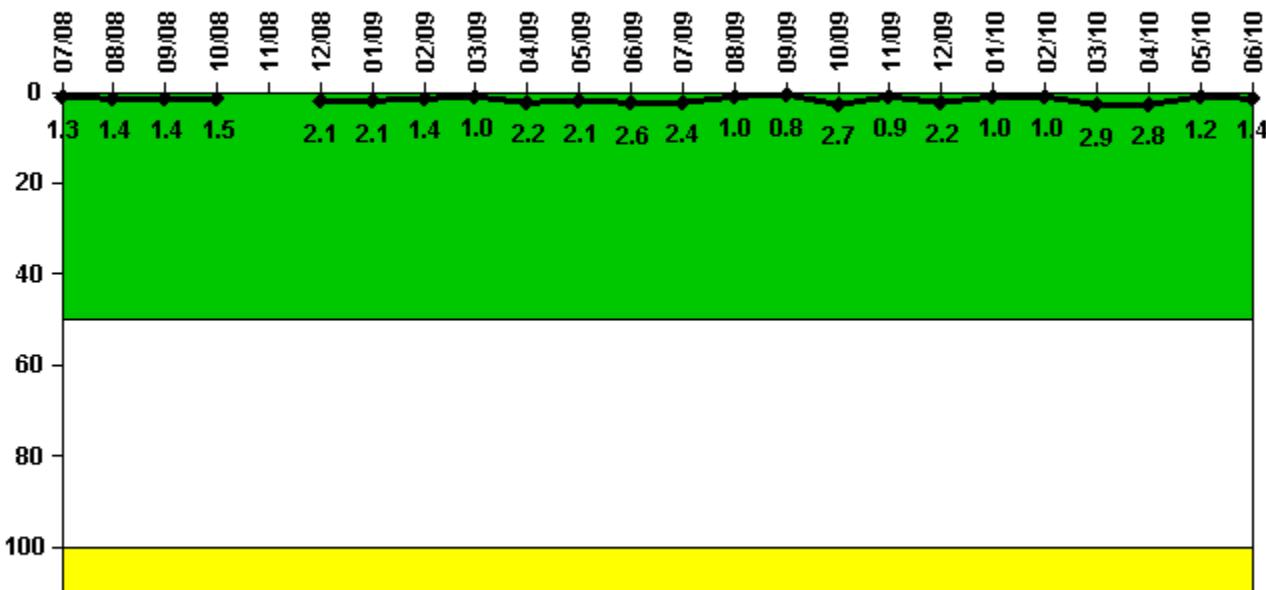
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum activity	0.001460	0.001470	0.001520	0.017700	0.000138	0.000259	0.000364	0.000369	0.000293	0.000372	0.000416	0.000423
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0	0	0	0.5	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum activity	0.000436	0.000356	0.000354	0.000454	0.000486	0.000461	0.000542	0.000513	0.000880	0.000150	0.000192	0.000212
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	0	0	0.1	0.1	0.1	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

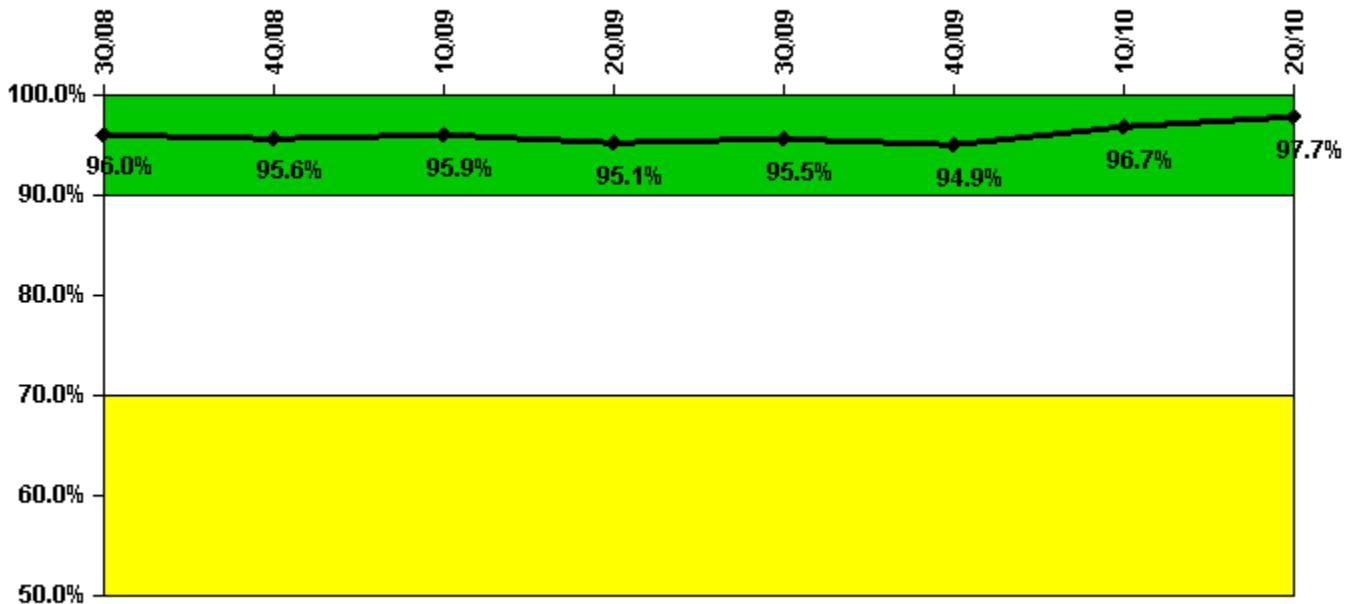
Notes

Reactor Coolant System Leakage	7/08	8/08	9/08	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09
Maximum leakage	0.131	0.143	0.143	0.153	N/A	0.214	0.205	0.135	0.103	0.218	0.210	0.263
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	1.4	1.4	1.5	N/A	2.1	2.1	1.4	1.0	2.2	2.1	2.6
Reactor Coolant System Leakage	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum leakage	0.239	0.101	0.080	0.268	0.089	0.221	0.098	0.096	0.285	0.281	0.119	0.141
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	2.4	1.0	0.8	2.7	0.9	2.2	1.0	1.0	2.9	2.8	1.2	1.4

Licensee Comments:

6/10: Total Leakage is being reported in lieu of Identified Leakage

Drill/Exercise Performance



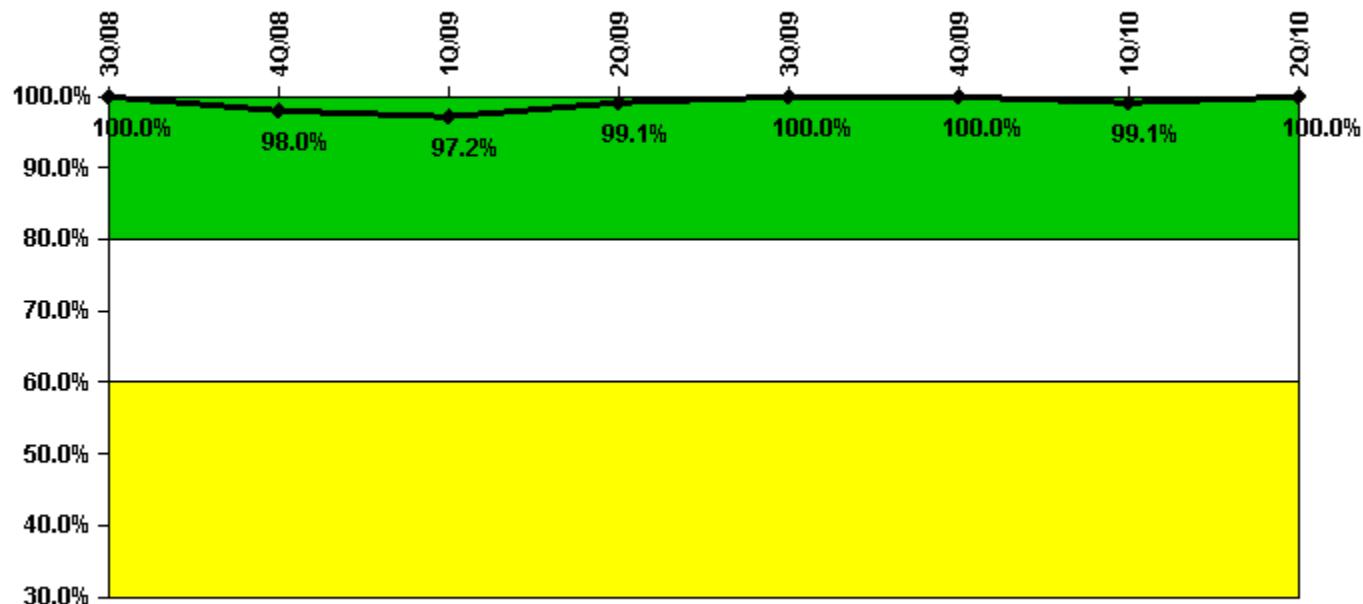
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	26.0	4.0	18.0	38.0	15.0	20.0	23.0	26.0
Total opportunities	26.0	4.0	18.0	40.0	15.0	22.0	23.0	26.0
Indicator value	96.0%	95.6%	95.9%	95.1%	95.5%	94.9%	96.7%	97.7%

Licensee Comments: none

ERO Drill Participation



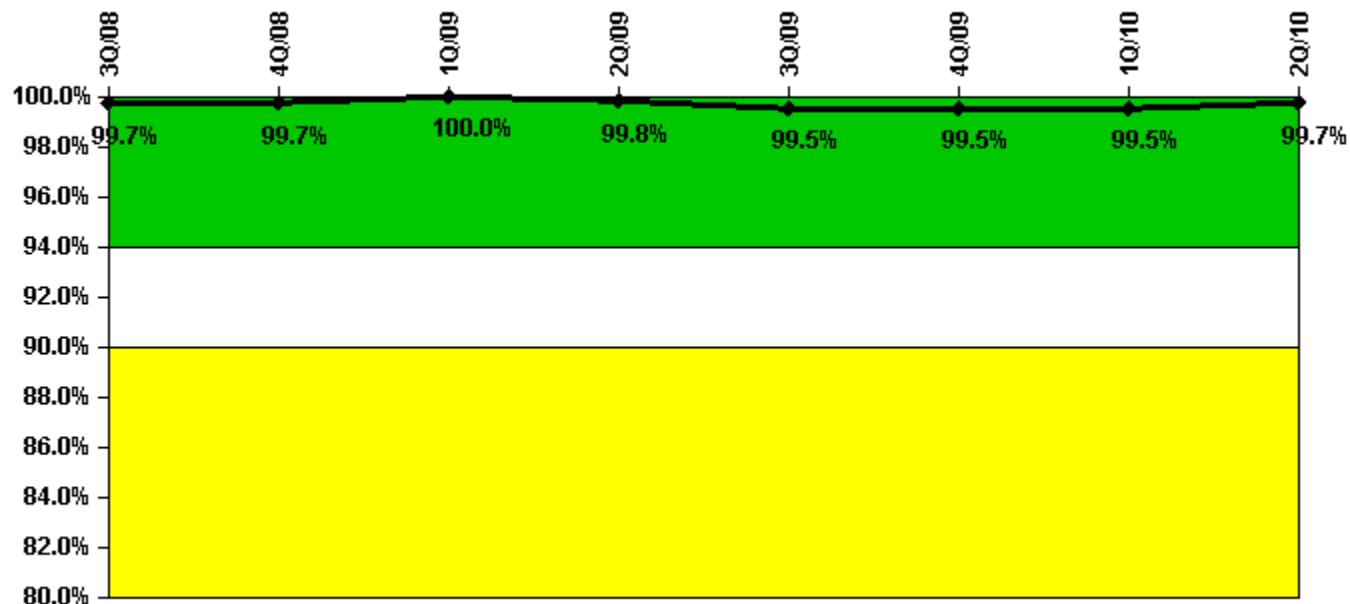
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Participating Key personnel	105.0	100.0	103.0	108.0	112.0	113.0	113.0	110.0
Total Key personnel	105.0	102.0	106.0	109.0	112.0	113.0	114.0	110.0
Indicator value	100.0%	98.0%	97.2%	99.1%	100.0%	100.0%	99.1%	100.0%

Licensee Comments: none

Alert & Notification System



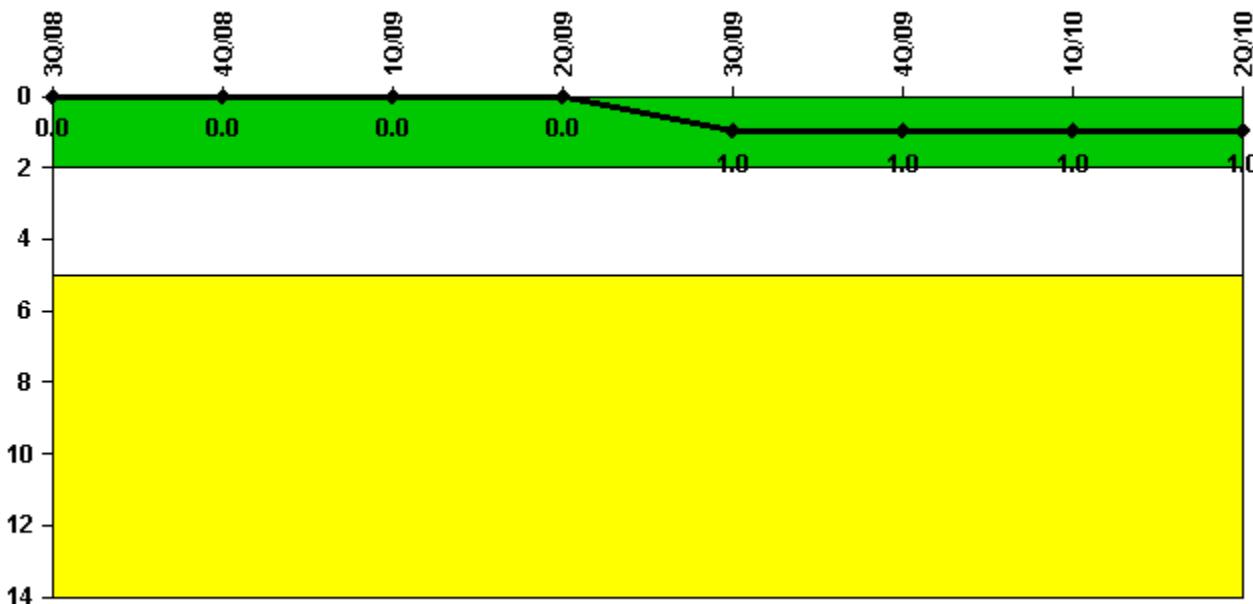
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful siren-tests	147	147	147	146	145	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.7%	99.7%	100.0%	99.8%	99.5%	99.5%	99.5%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



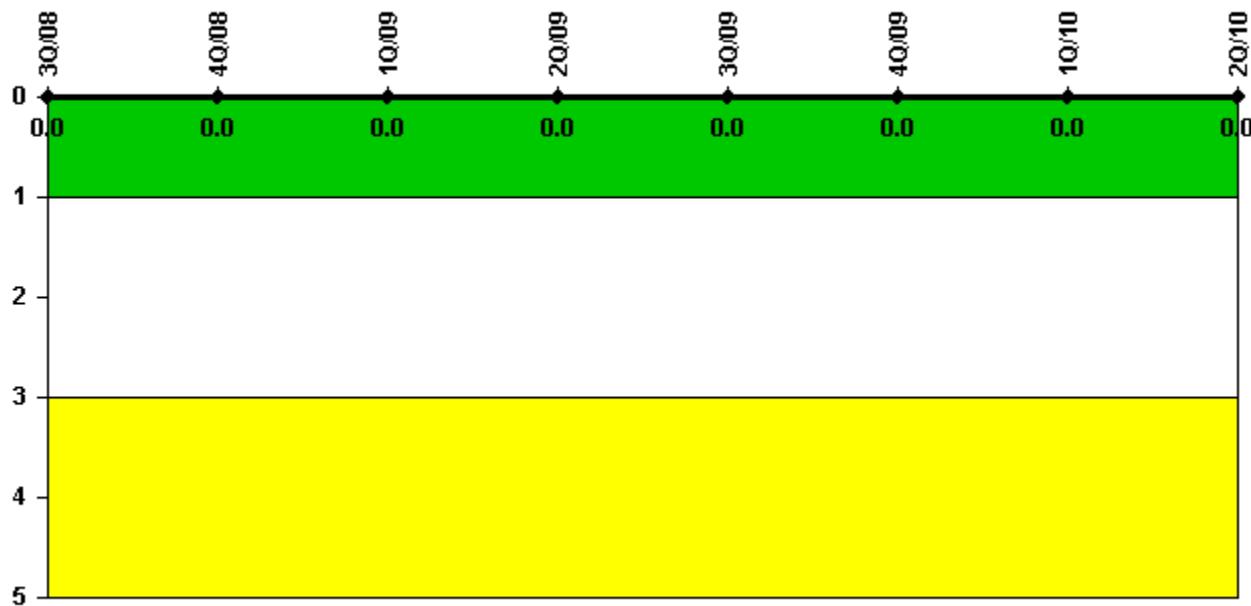
Thresholds: White > 2.0 Yellow > 5.0

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

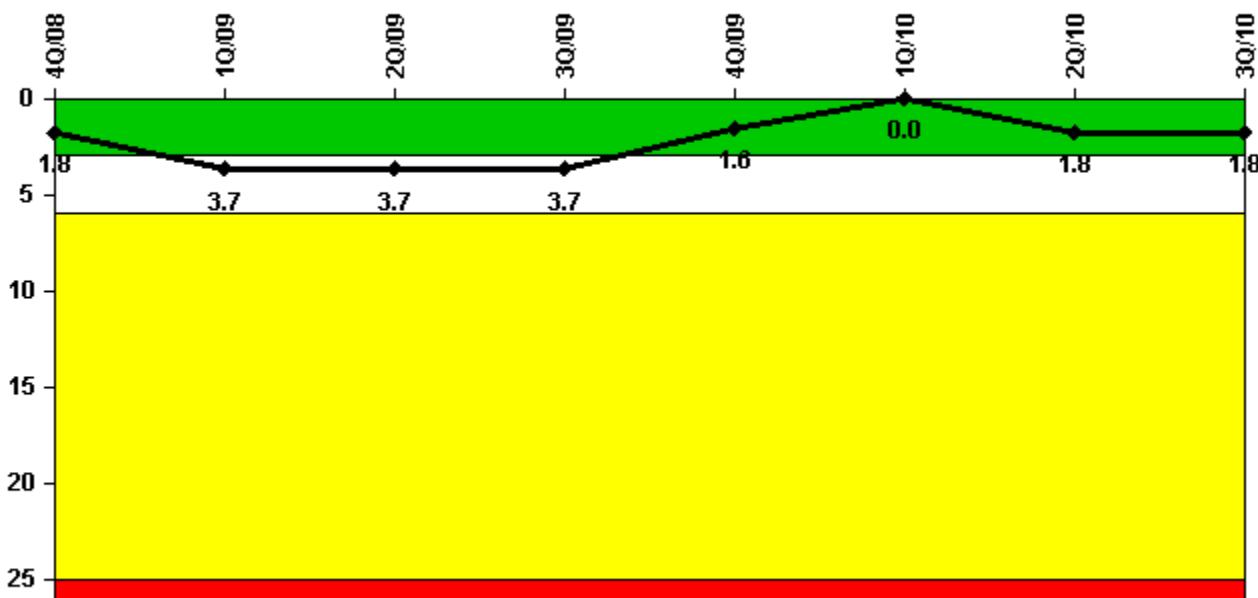
Security information not publicly available.

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3Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



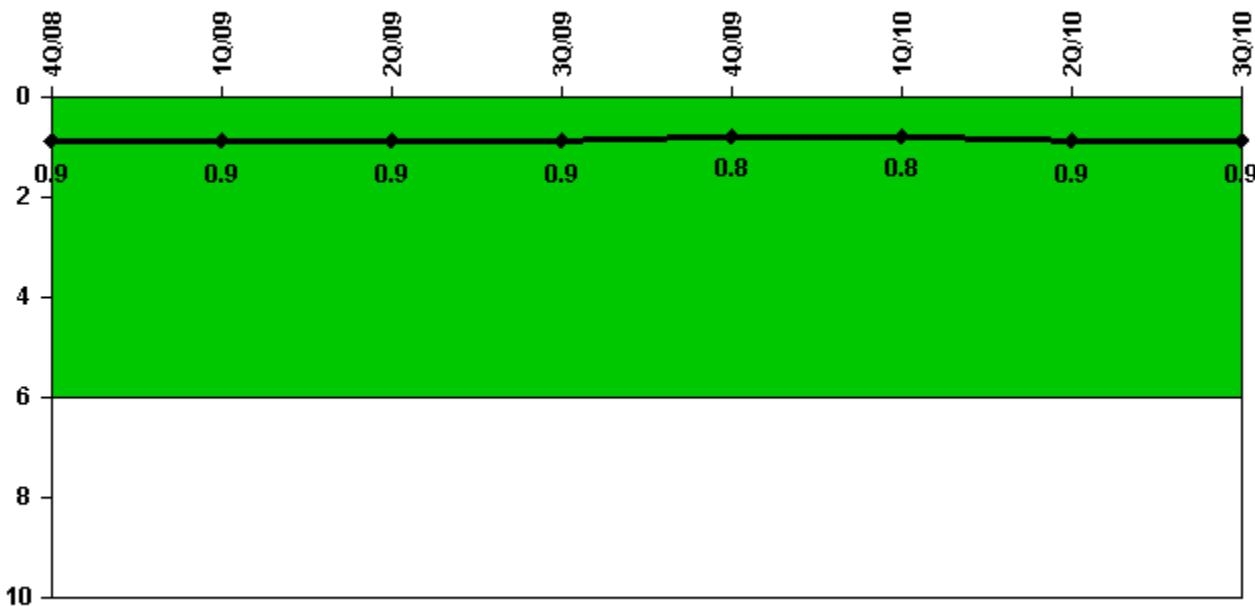
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	2.0	0	0	0	0	2.0	0
Critical hours	1010.4	2069.3	2184.0	2208.0	2209.0	1903.0	1611.9	2208.0
Indicator value	1.8	3.7	3.7	3.7	1.6	0	1.8	1.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



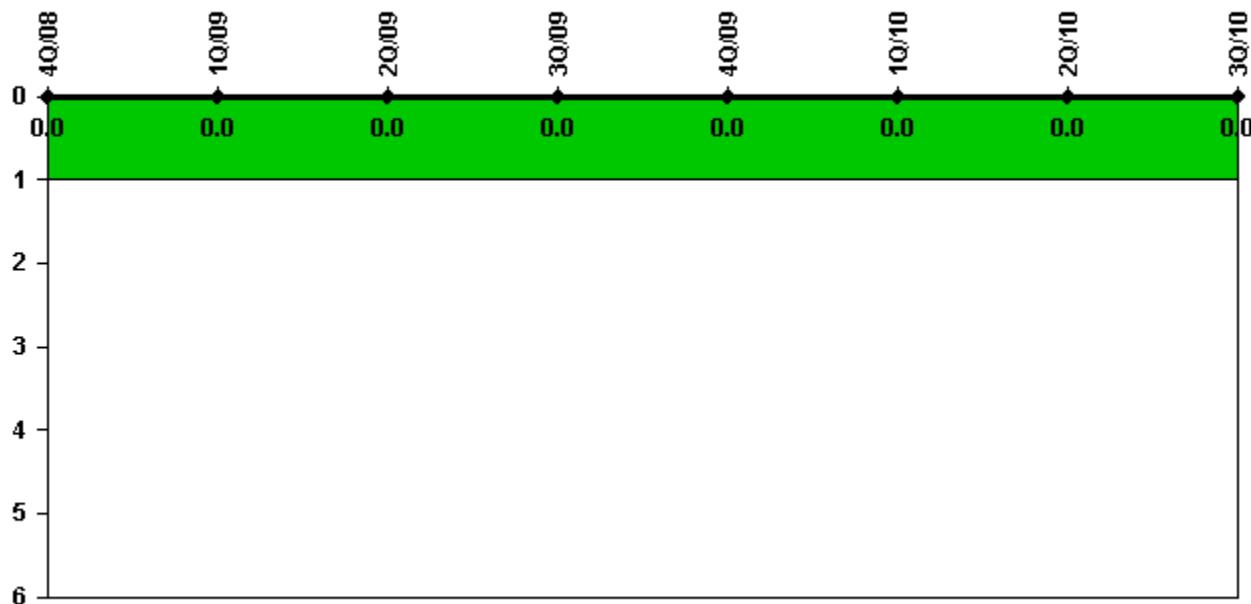
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned power changes	0	0	1.0	0	0	0	1.0	0
Critical hours	1010.4	2069.3	2184.0	2208.0	2209.0	1903.0	1611.9	2208.0
Indicator value	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9

Licensee Comments: none

Unplanned Scrams with Complications



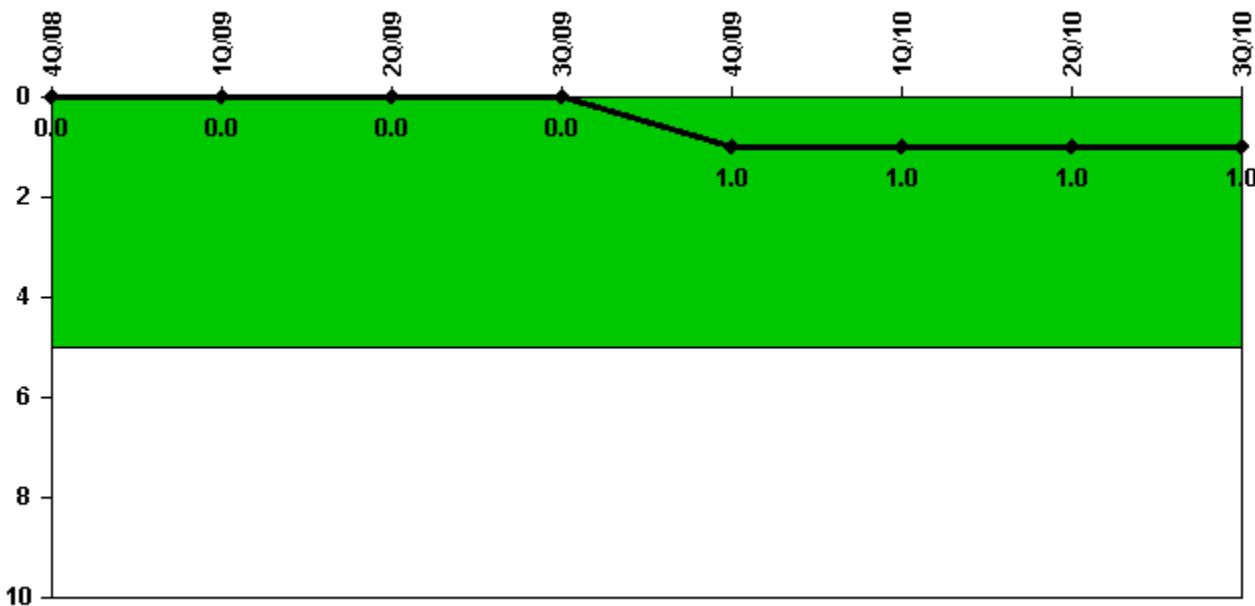
Thresholds: White > 1.0

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)



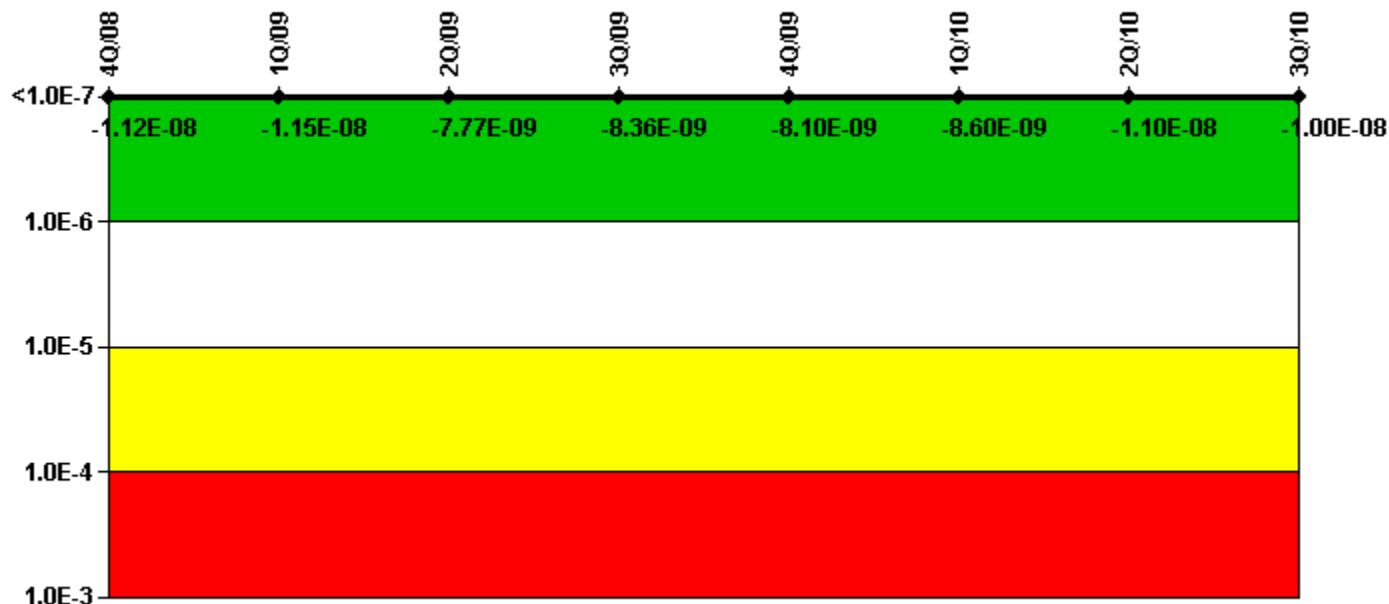
Thresholds: White > 5.0

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	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



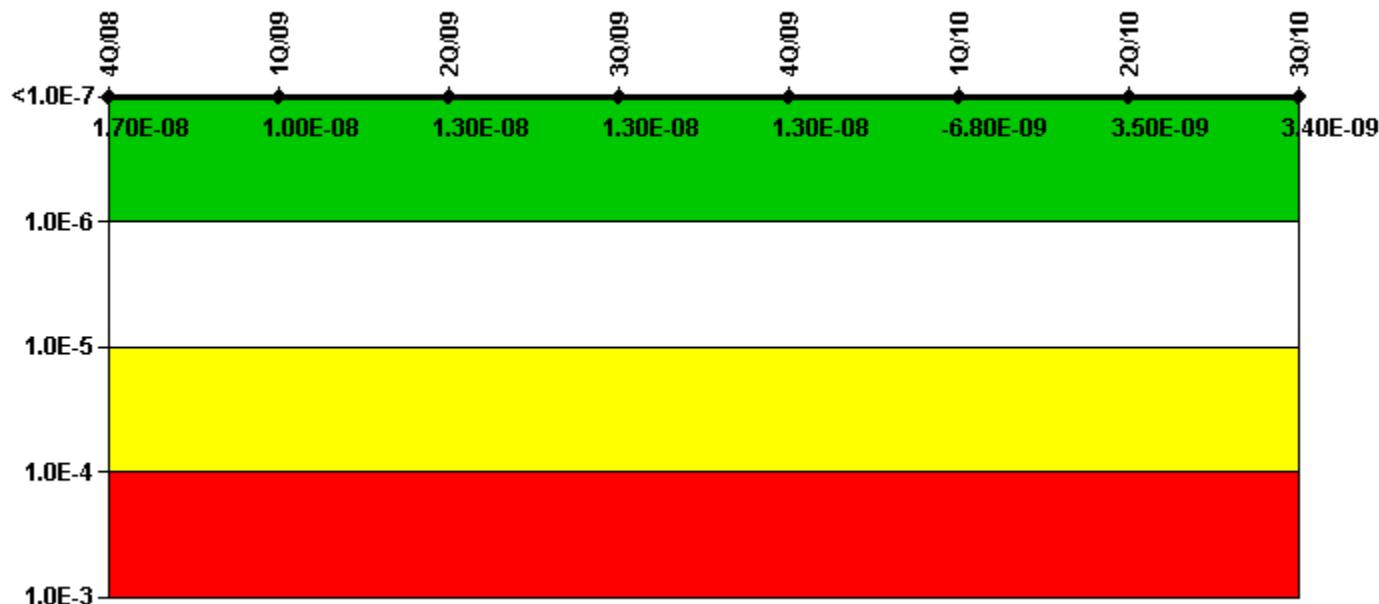
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	-3.10E-09	-3.10E-09	9.30E-10	9.40E-10	1.90E-09	1.27E-09	-2.11E-09	-2.11E-09
URI (Δ CDF)	-8.10E-09	-8.40E-09	-8.70E-09	-9.30E-09	-1.00E-08	-9.84E-09	-8.78E-09	-8.22E-09
PLE	NO							
Indicator value	-1.12E-08	-1.15E-08	-7.77E-09	-8.36E-09	-8.10E-09	-8.60E-09	-1.10E-08	-1.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



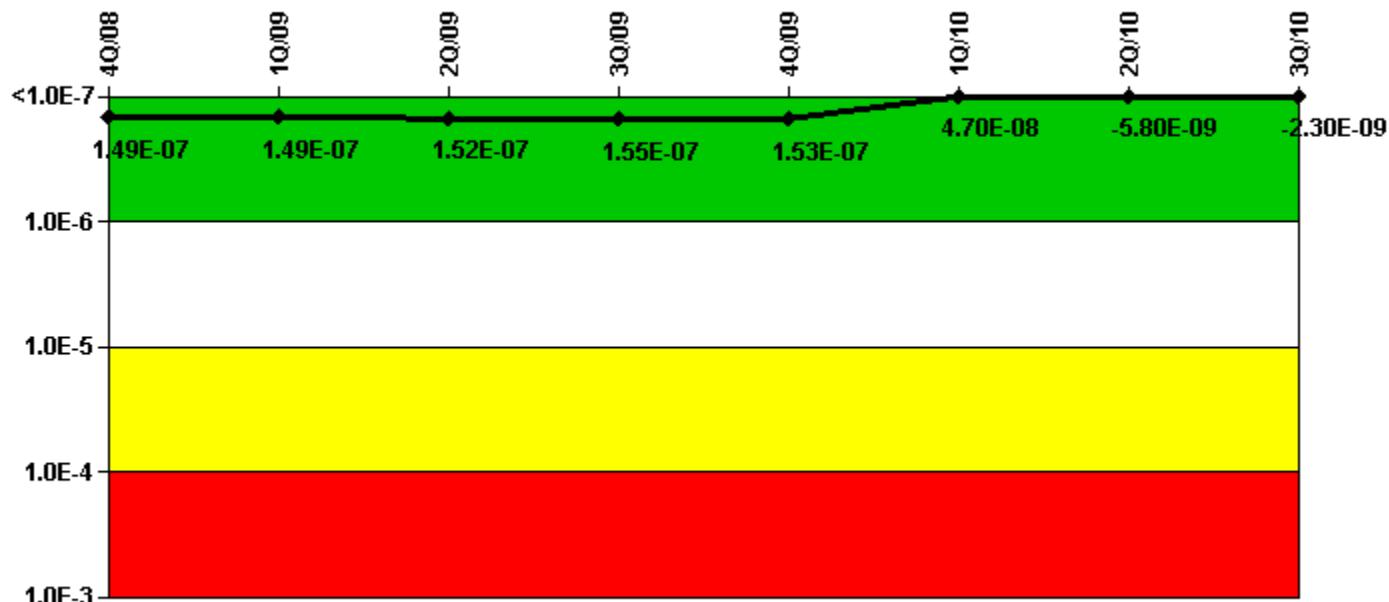
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	$3.60E-08$	$2.90E-08$	$3.20E-08$	$3.20E-08$	$3.20E-08$	$2.12E-11$	$2.13E-11$	$1.78E-11$
URI (Δ CDF)		$-1.90E-08$	$-1.90E-08$	$-1.90E-08$	$-1.90E-08$	$-1.90E-08$	$-6.81E-09$	$3.46E-09$
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		$1.70E-08$	$1.00E-08$	$1.30E-08$	$1.30E-08$	$1.30E-08$	$-6.80E-09$	$3.50E-09$

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



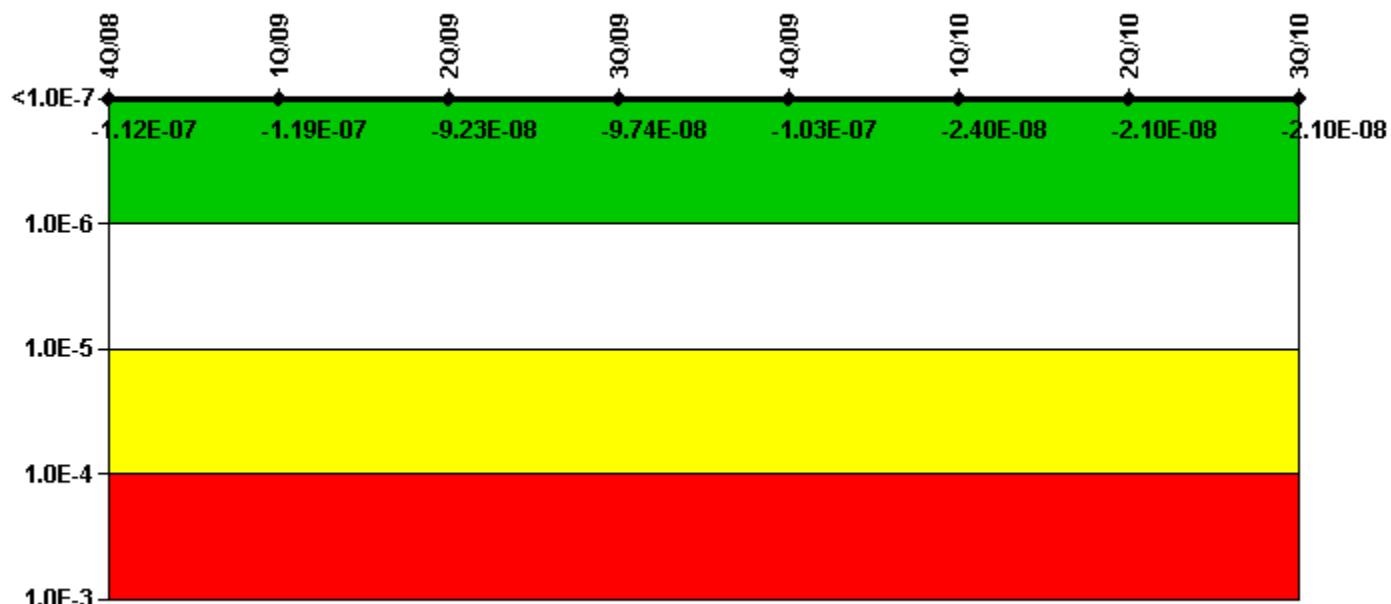
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	9.10E-08	9.20E-08	9.40E-08	9.70E-08	9.30E-08	2.70E-08	1.94E-08	2.47E-08
URI (Δ CDF)	5.80E-08	5.70E-08	5.80E-08	5.80E-08	6.00E-08	2.03E-08	-2.51E-08	-2.69E-08
PLE	NO	NO						
Indicator value	1.49E-07	1.49E-07	1.52E-07	1.55E-07	1.53E-07	4.70E-08	-5.80E-09	-2.30E-09

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



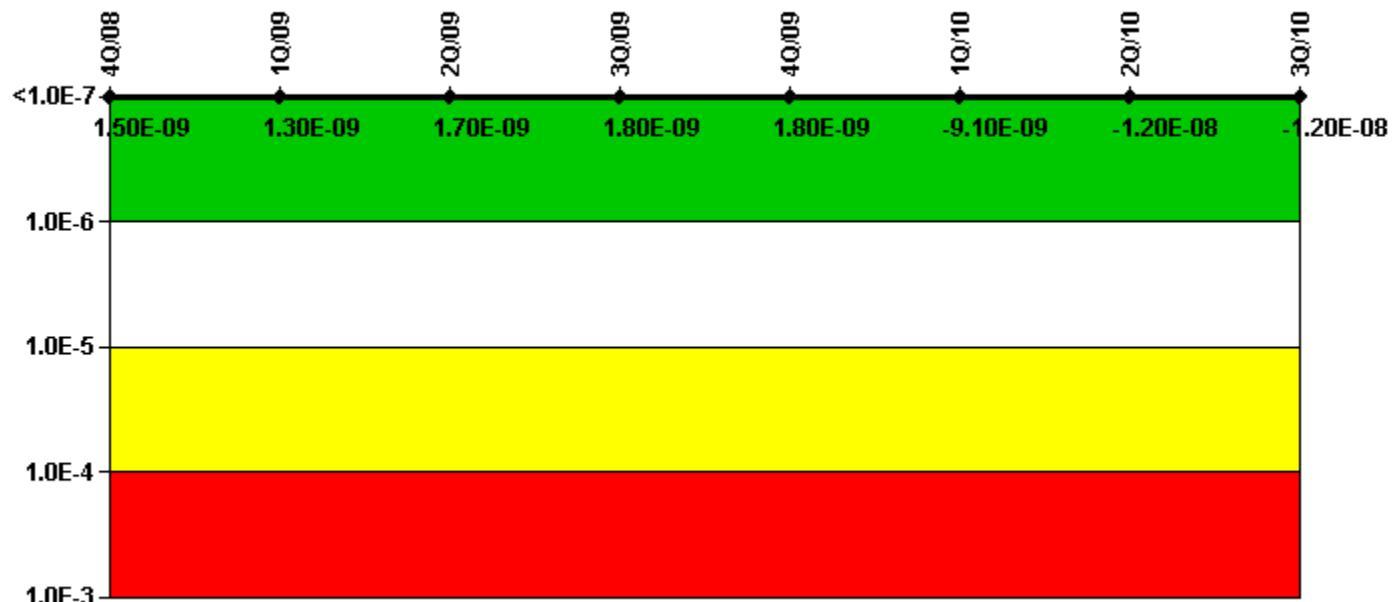
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	-1.20E-08	-1.90E-08	7.70E-09	2.60E-09	-2.50E-09	1.52E-08	1.54E-08	1.55E-08
URI (Δ CDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-3.90E-08	-3.67E-08	-3.65E-08
PLE	NO							
Indicator value	-1.12E-07	-1.19E-07	-9.23E-08	-9.74E-08	-1.03E-07	-2.40E-08	-2.10E-08	-2.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



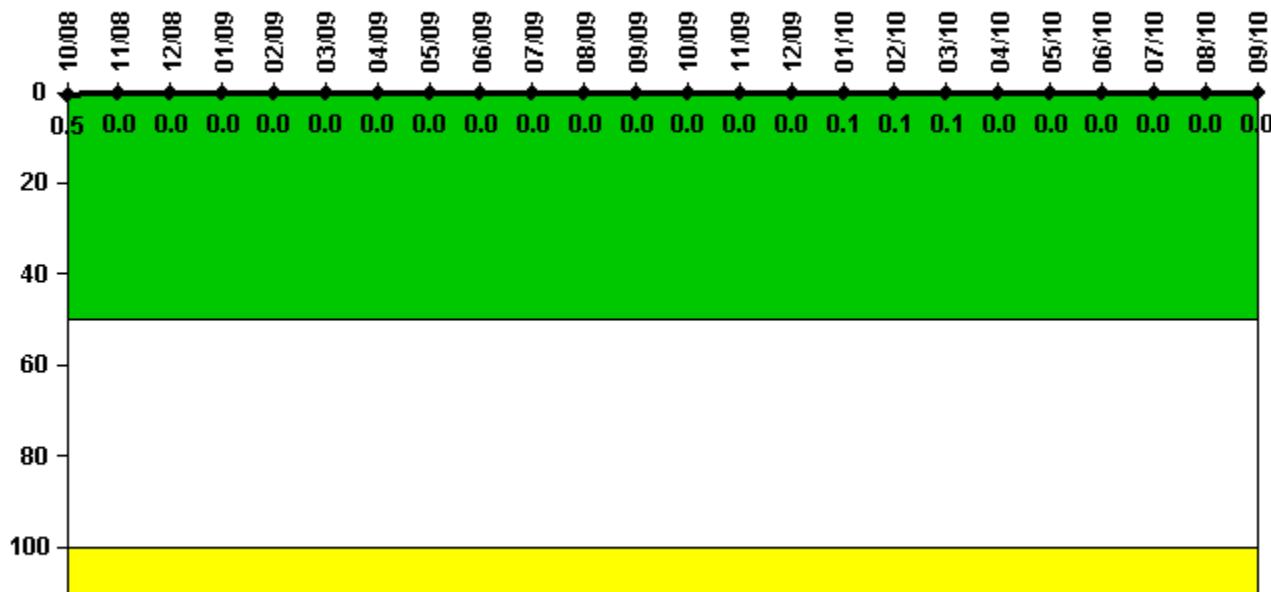
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (Δ CDF)	-2.00E-09	-2.00E-09	-2.00E-09	-2.00E-09	-2.00E-09	-4.23E-09	-4.22E-09	-4.22E-09
URI (Δ CDF)	3.50E-09	3.30E-09	3.70E-09	3.80E-09	3.80E-09	-4.84E-09	-7.28E-09	-7.30E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.50E-09	1.30E-09	1.70E-09	1.80E-09	1.80E-09	-9.10E-09	-1.20E-08	-1.20E-08

Licensee Comments: none

Reactor Coolant System Activity



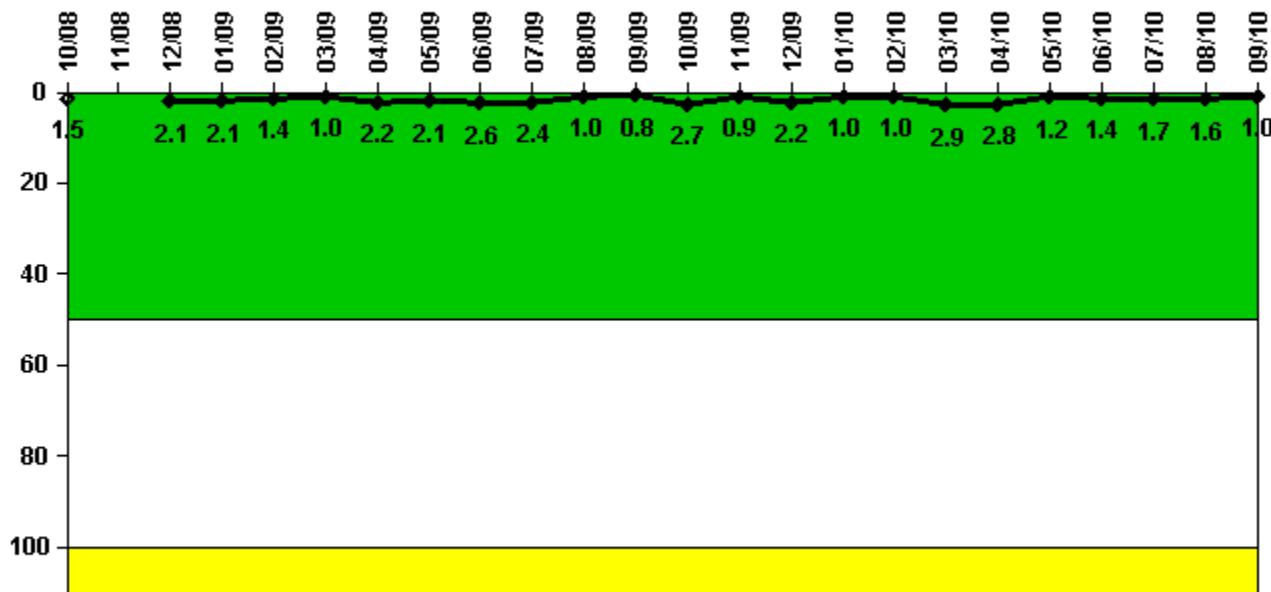
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum activity	0.017700	0.000138	0.000259	0.000364	0.000369	0.000293	0.000372	0.000416	0.000423	0.000436	0.000356	0.000354
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Indicator value	0.5	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum activity	0.000454	0.000486	0.000461	0.000542	0.000513	0.000880	0.000150	0.000192	0.000212	0.000231	0.000220	0.000307
Technical specification limit	3.5	3.5	3.5	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	0.1	0.1	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

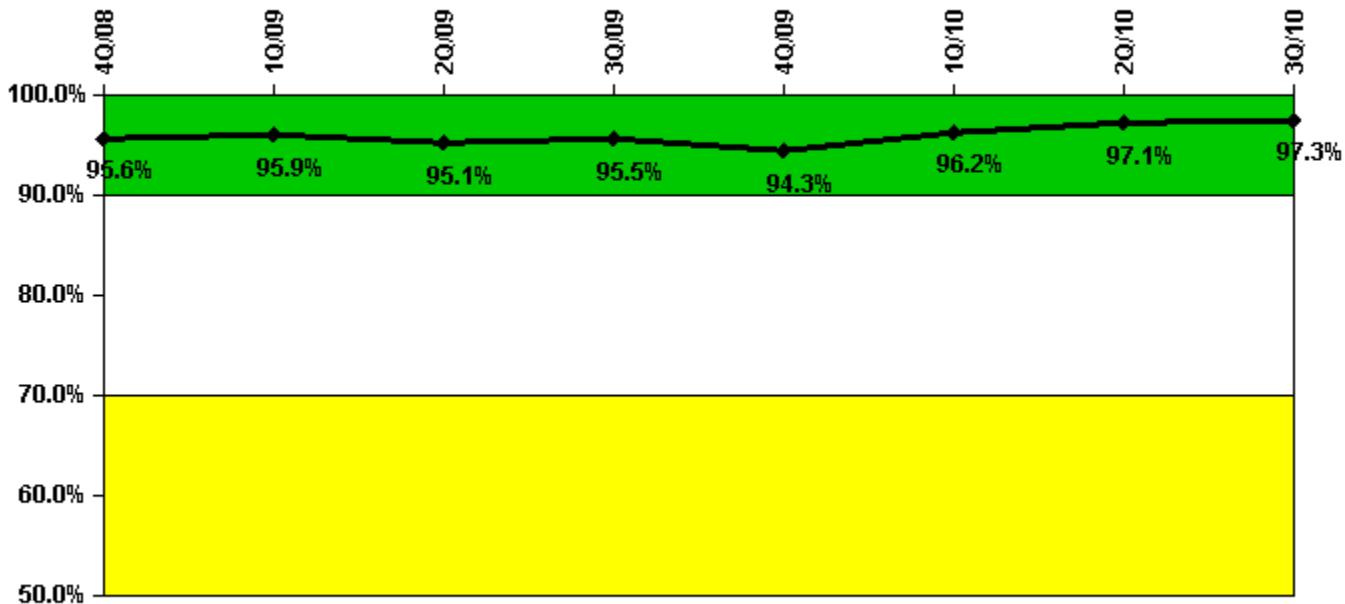
Notes

Reactor Coolant System Leakage	10/08	11/08	12/08	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09
Maximum leakage	0.153	N/A	0.214	0.205	0.135	0.103	0.218	0.210	0.263	0.239	0.101	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	1.5	N/A	2.1	2.1	1.4	1.0	2.2	2.1	2.6	2.4	1.0	0.8
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	0.268	0.089	0.221	0.098	0.096	0.285	0.281	0.119	0.141	0.166	0.158	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	2.7	0.9	2.2	1.0	1.0	2.9	2.8	1.2	1.4	1.7	1.6	1.0

Licensee Comments:

9/10: Total Leakage is being reported in lieu of Identified Leakage

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

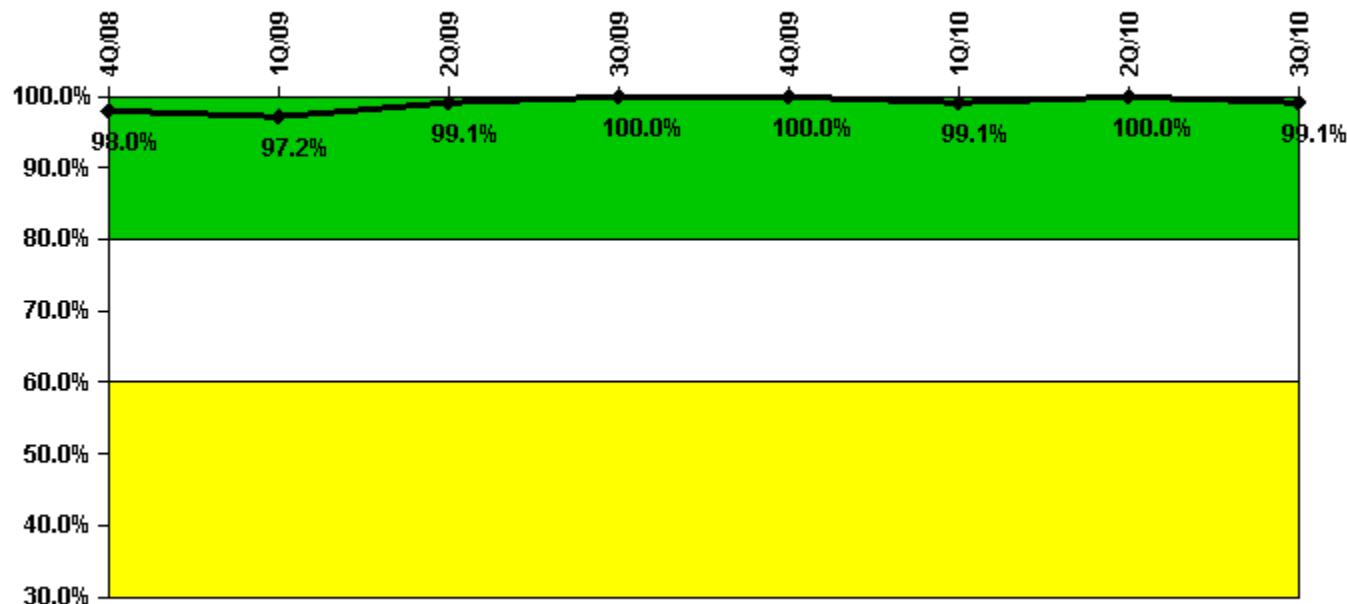
Drill/Exercise Performance	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful opportunities	4.0	18.0	38.0	15.0	19.0	23.0	26.0	35.0
Total opportunities	4.0	18.0	40.0	15.0	22.0	23.0	26.0	35.0
Indicator value	95.6%	95.9%	95.1%	95.5%	94.3%	96.2%	97.1%	97.3%

Licensee Comments:

3Q/10: One (1) ANO Notifications Performance Indicator for a 10/21/2009 Tabletop Evaluation has been changed from successful to unsuccessful. This was discovered during an NRC Inspection conducted 09/20/2010 through 09/24/2010.

4Q/09: One (1) Notifications Performance Indicator for a 10/21/2009 Tabletop Evaluation has been changed from successful to unsuccessful. This was discovered during an NRC Inspection conducted 09/20/2010 through 09/24/2010.

ERO Drill Participation



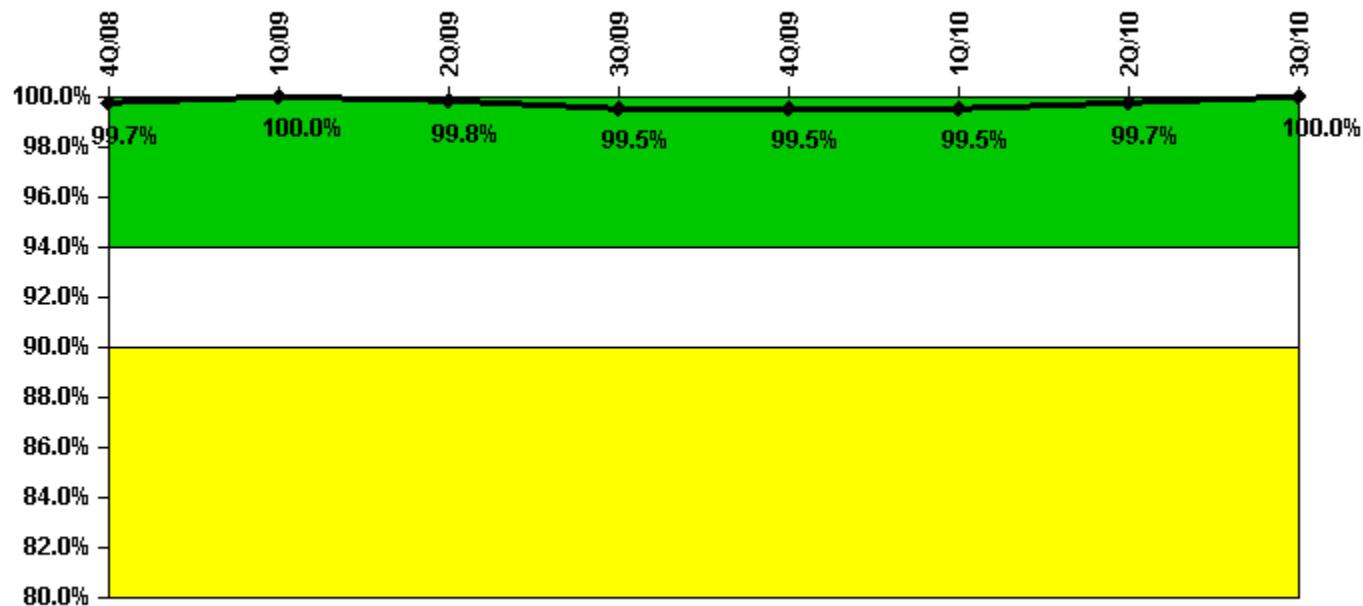
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Participating Key personnel	100.0	103.0	108.0	112.0	113.0	113.0	110.0	108.0
Total Key personnel	102.0	106.0	109.0	112.0	113.0	114.0	110.0	109.0
Indicator value	98.0%	97.2%	99.1%	100.0%	100.0%	99.1%	100.0%	99.1%

Licensee Comments: none

Alert & Notification System



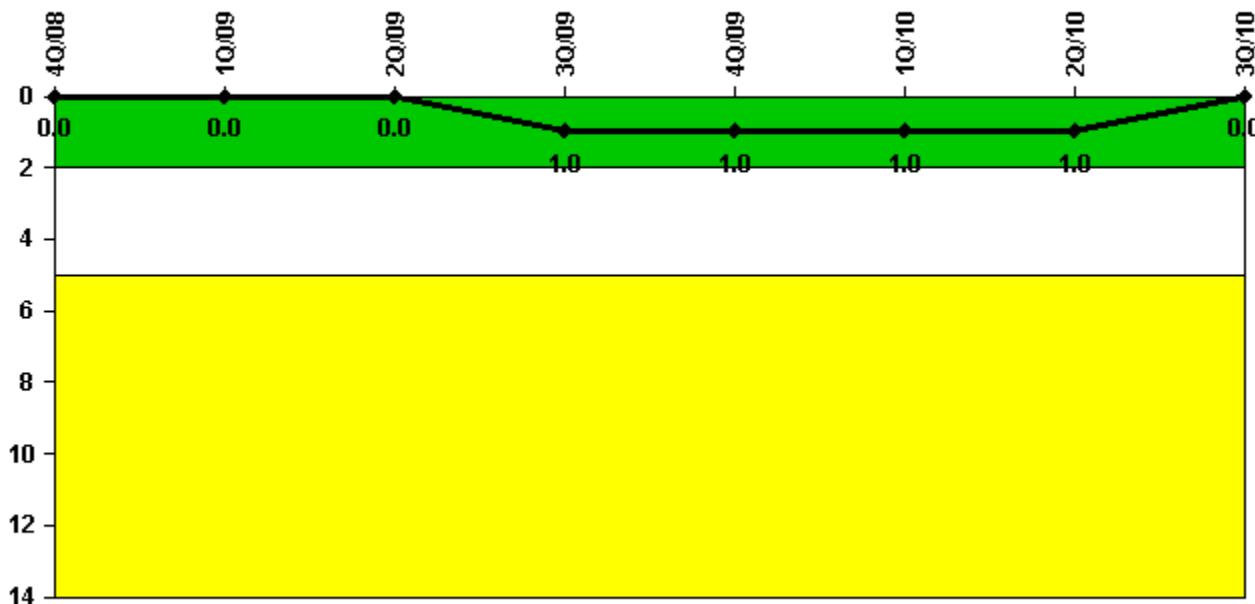
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Successful siren-tests	147	147	146	145	147	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.7%	100.0%	99.8%	99.5%	99.5%	99.5%	99.7%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



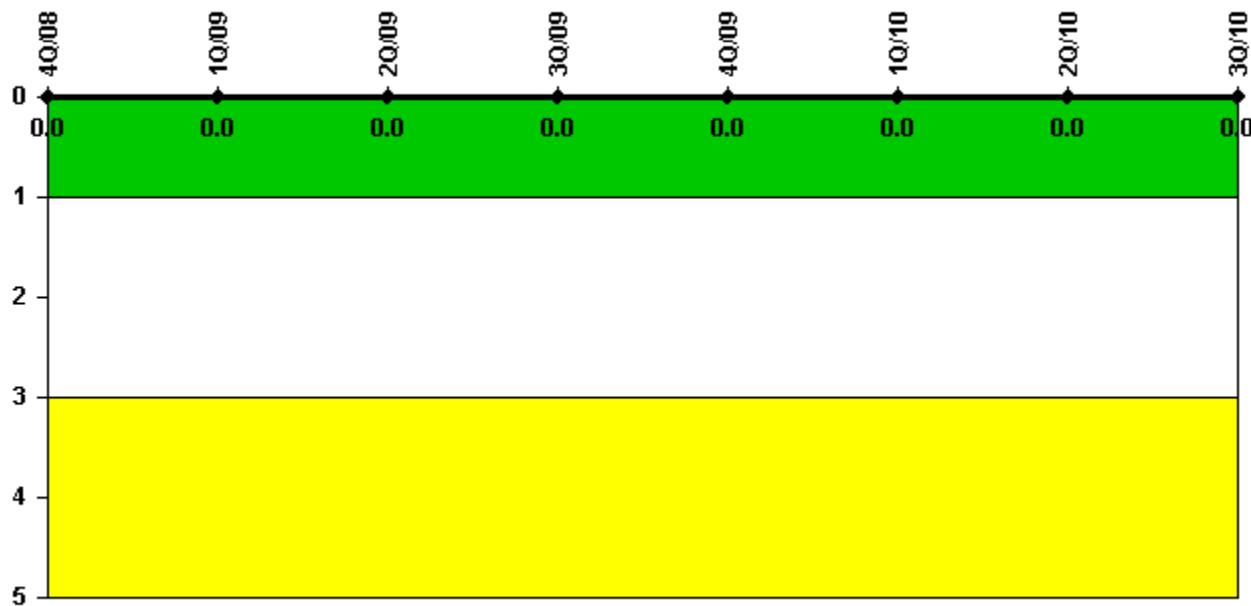
Thresholds: White > 2.0 Yellow > 5.0

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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](#)

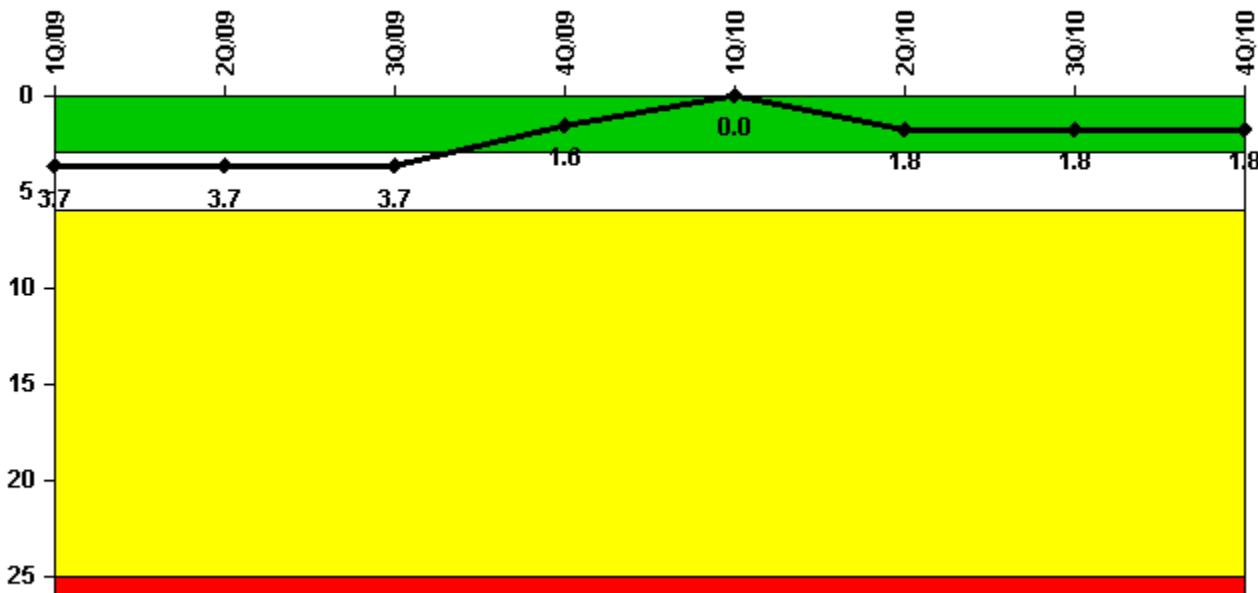
Last Modified: October 25, 2010

Arkansas Nuclear 1

4Q/2010 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



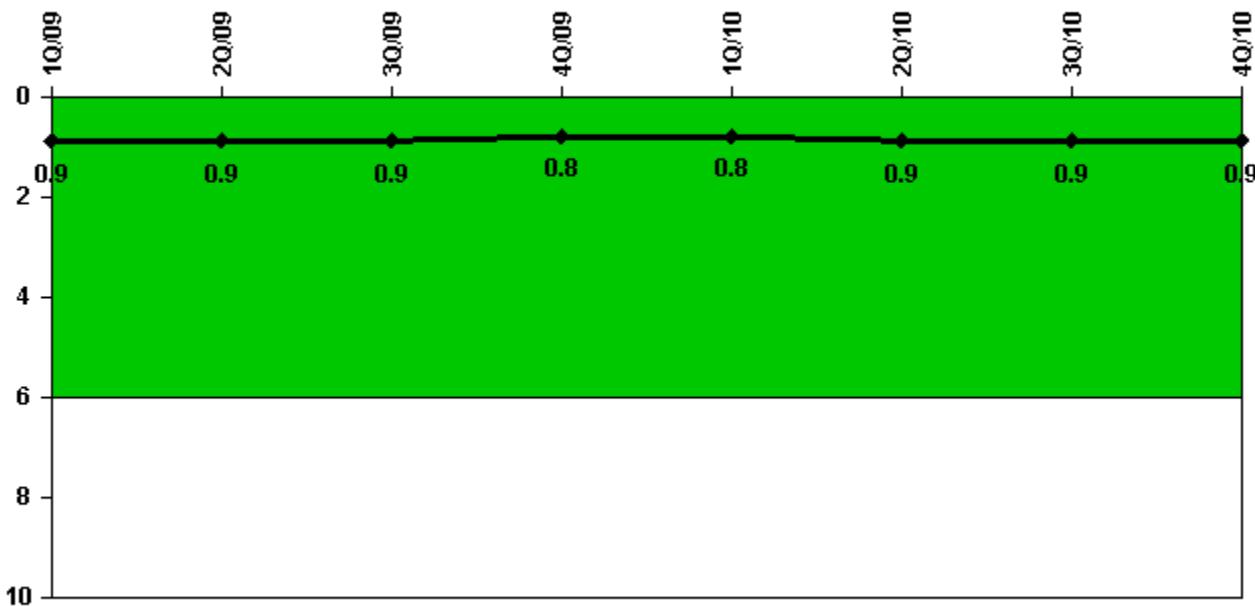
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0	0	0	0	2.0	0	0
Critical hours	2069.3	2184.0	2208.0	2209.0	1903.0	1611.9	2208.0	2209.0
Indicator value	3.7	3.7	3.7	1.6	0	1.8	1.8	1.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



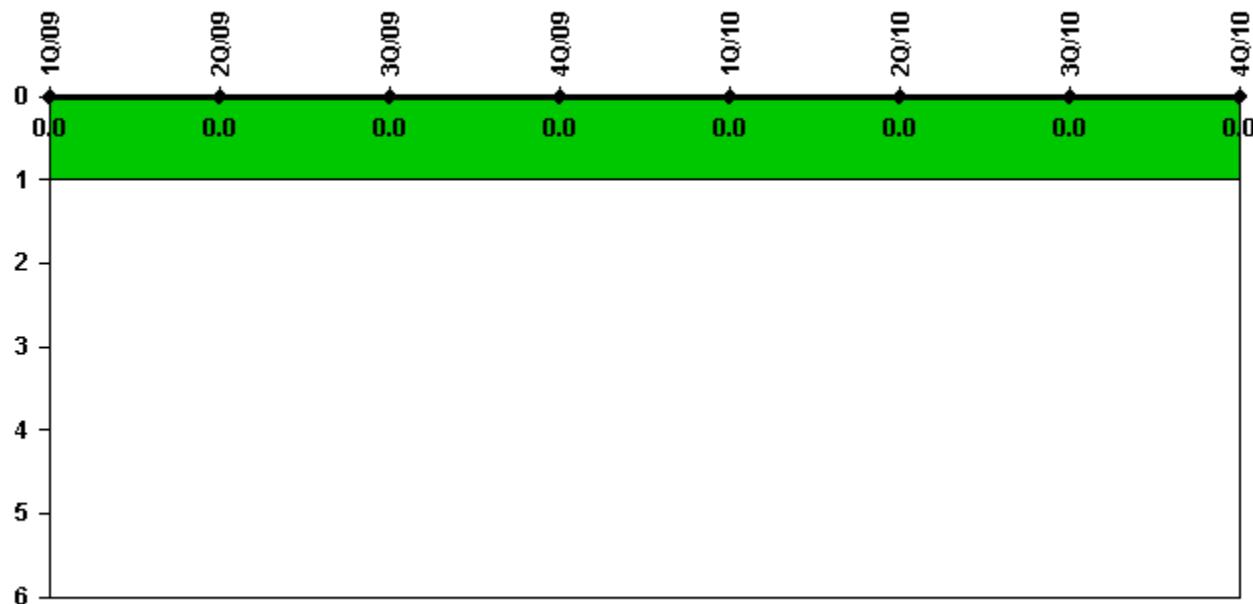
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Unplanned power changes	0	1.0	0	0	0	1.0	0	0
Critical hours	2069.3	2184.0	2208.0	2209.0	1903.0	1611.9	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 Scrams with Complications



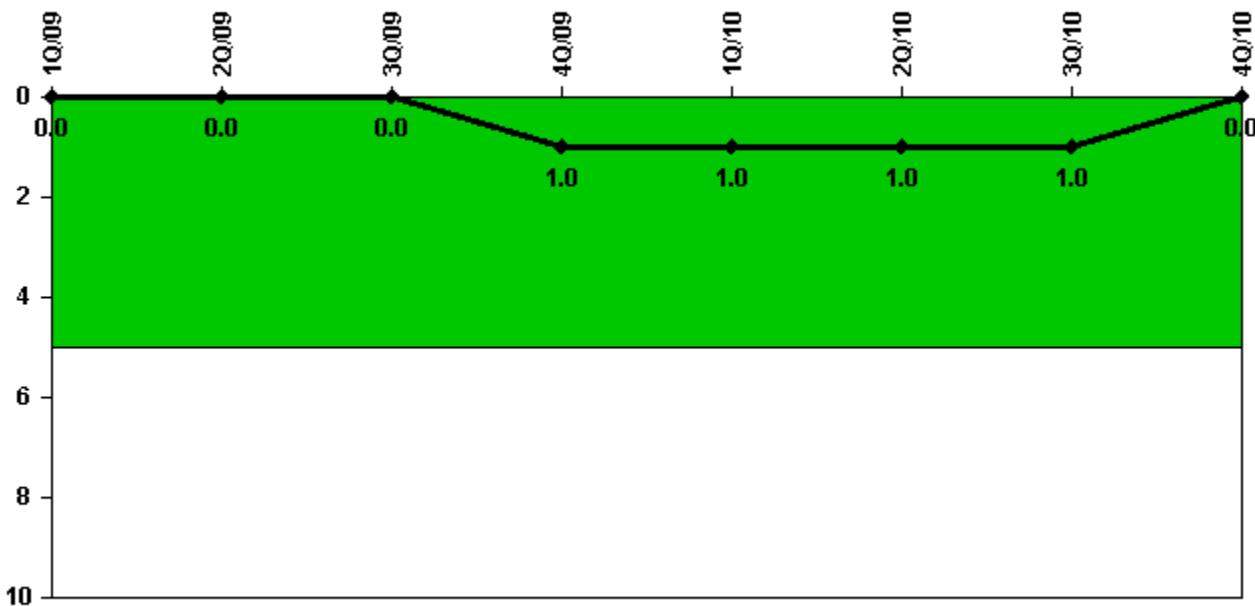
Thresholds: White > 1.0

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)



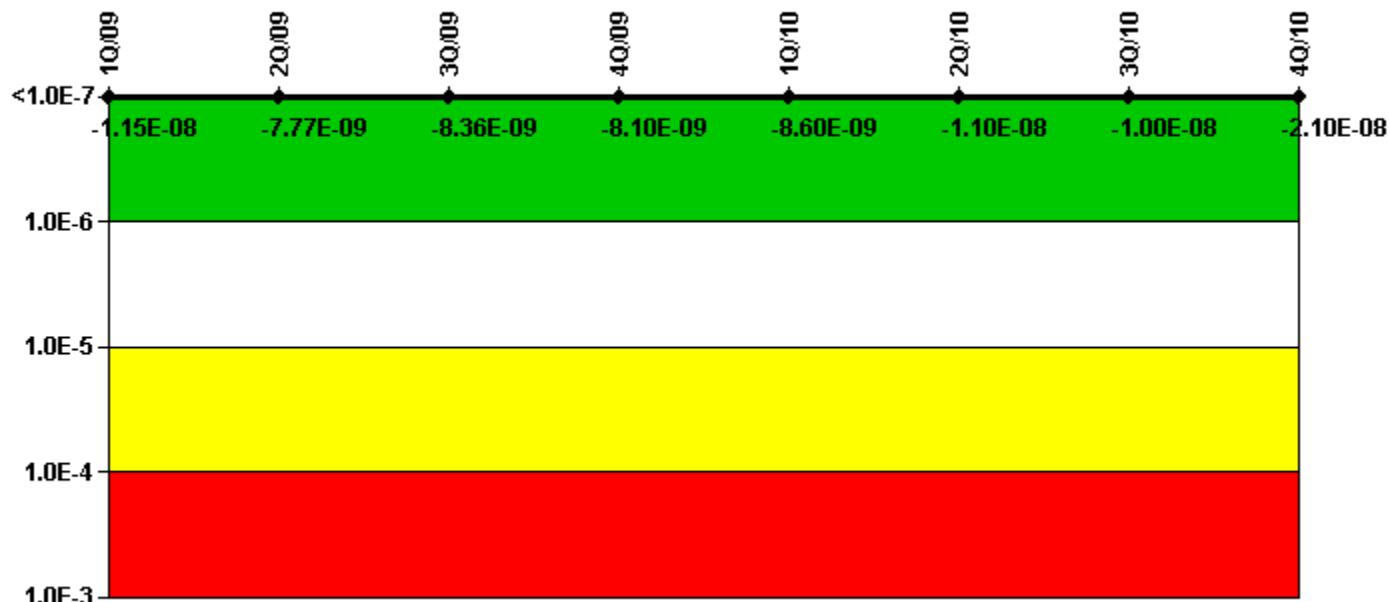
Thresholds: White > 5.0

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



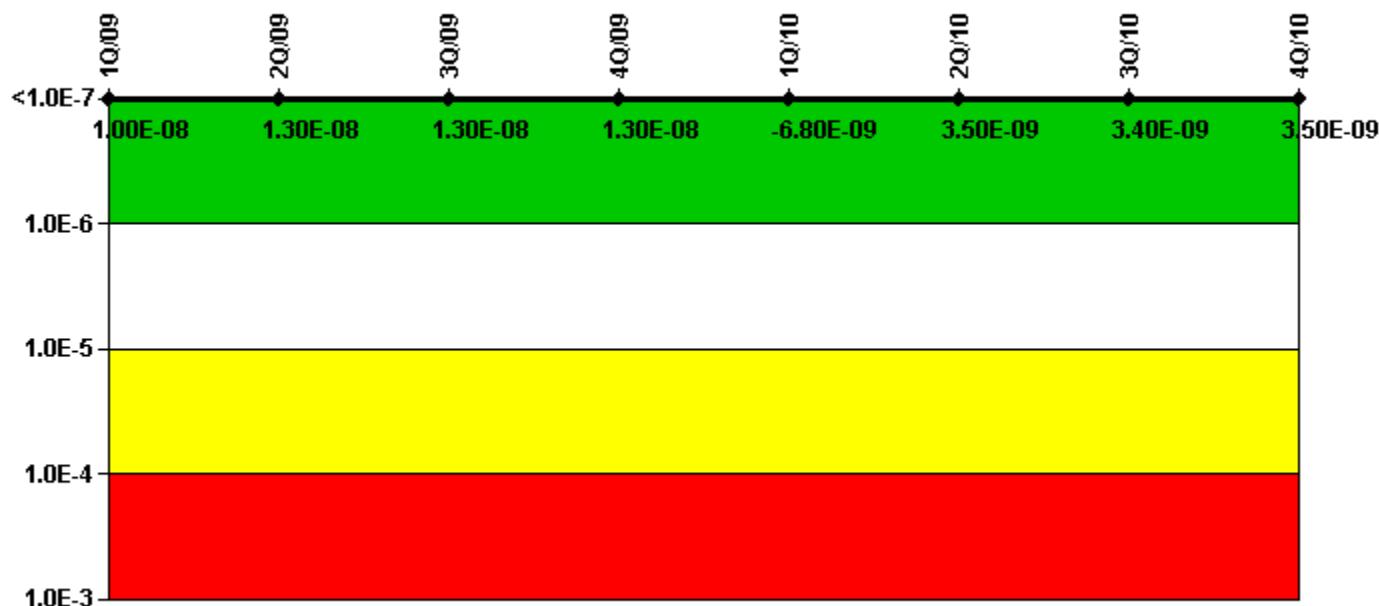
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	-3.10E-09	9.30E-10	9.40E-10	1.90E-09	1.27E-09	-2.11E-09	-2.11E-09	-2.38E-09
URI (Δ CDF)	-8.40E-09	-8.70E-09	-9.30E-09	-1.00E-08	-9.84E-09	-8.78E-09	-8.22E-09	-1.82E-08
PLE	NO							
Indicator value	-1.15E-08	-7.77E-09	-8.36E-09	-8.10E-09	-8.60E-09	-1.10E-08	-1.00E-08	-2.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



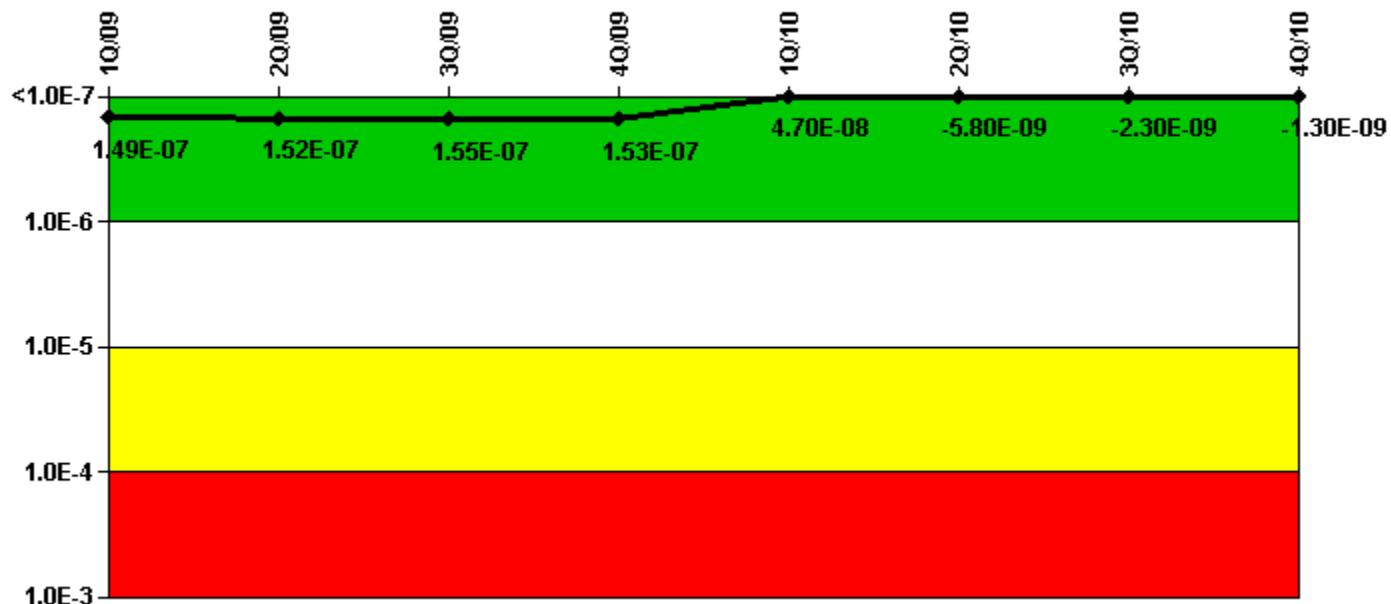
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	2.90E-08	3.20E-08	3.20E-08	3.20E-08	2.12E-11	2.13E-11	1.78E-11	-4.47E-12
URI (Δ CDF)	-1.90E-08	-1.90E-08	-1.90E-08	-1.90E-08	-6.81E-09	3.46E-09	3.40E-09	3.54E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.00E-08	1.30E-08	1.30E-08	1.30E-08	-6.80E-09	3.50E-09	3.40E-09	3.50E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



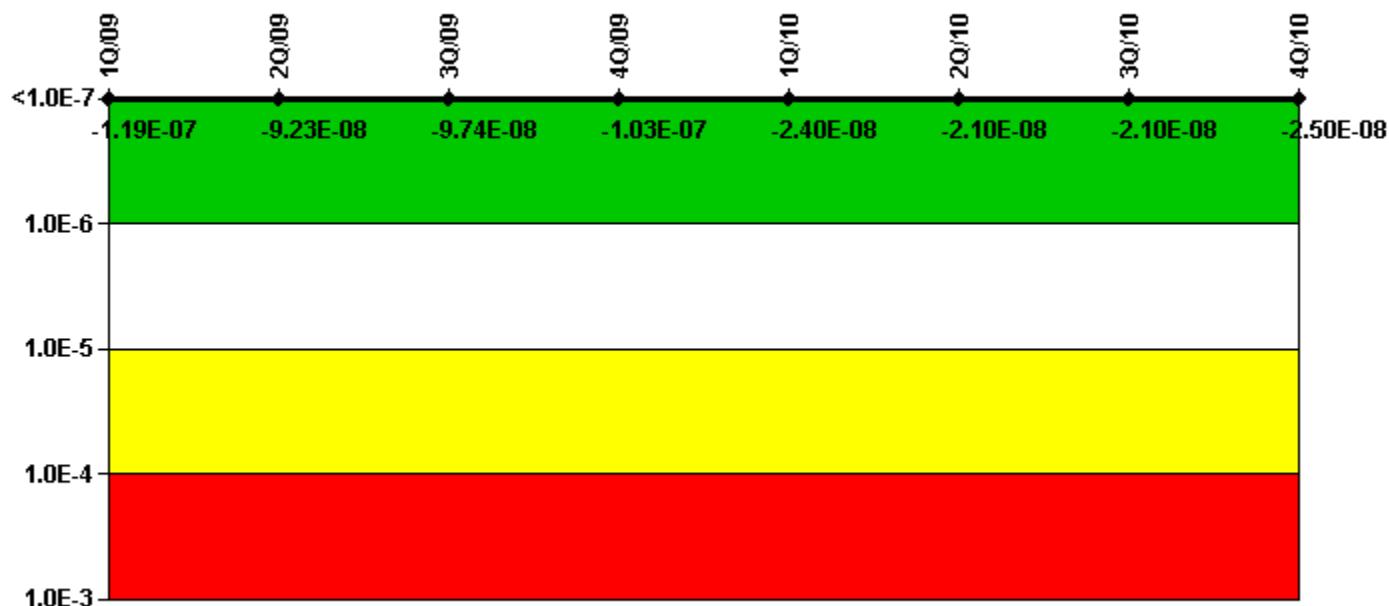
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	9.20E-08	9.40E-08	9.70E-08	9.30E-08	2.70E-08	1.94E-08	2.47E-08	2.60E-08
URI (Δ CDF)	5.70E-08	5.80E-08	5.80E-08	6.00E-08	2.03E-08	-2.51E-08	-2.69E-08	-2.73E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.49E-07	1.52E-07	1.55E-07	1.53E-07	4.70E-08	-5.80E-09	-2.30E-09	-1.30E-09

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



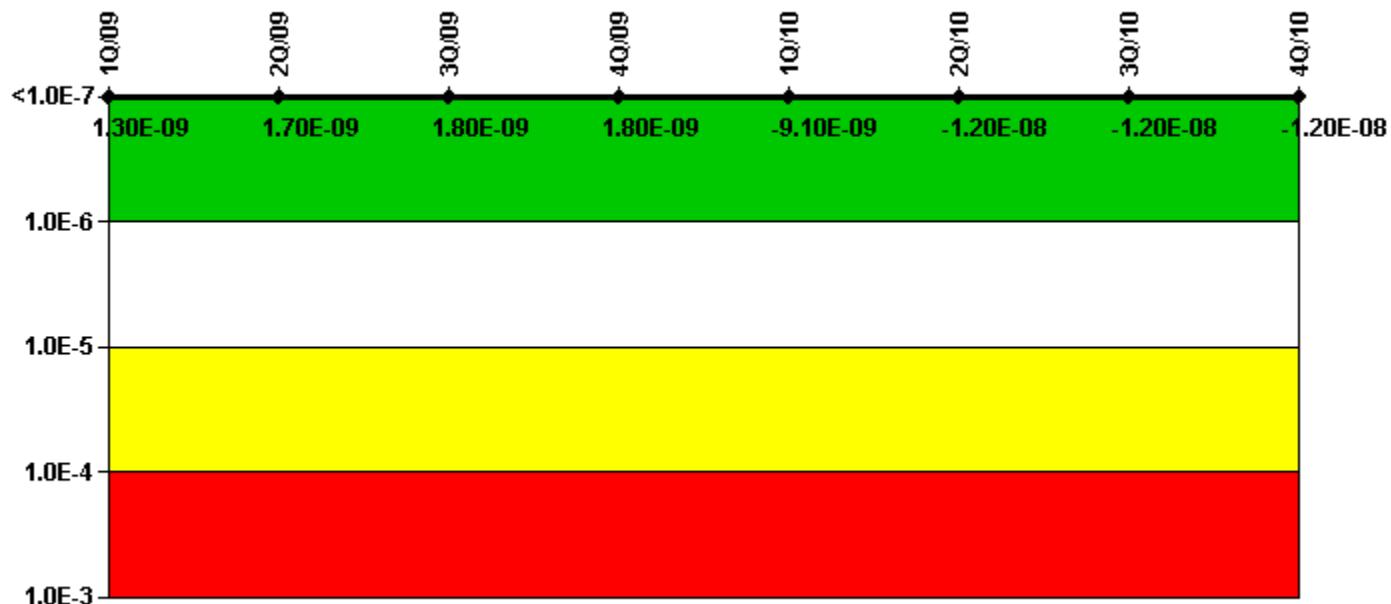
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	-1.90E-08	7.70E-09	2.60E-09	-2.50E-09	1.52E-08	1.54E-08	1.55E-08	1.13E-08
URI (Δ CDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-3.90E-08	-3.67E-08	-3.65E-08	-3.65E-08
PLE	NO							
Indicator value	-1.19E-07	-9.23E-08	-9.74E-08	-1.03E-07	-2.40E-08	-2.10E-08	-2.10E-08	-2.50E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



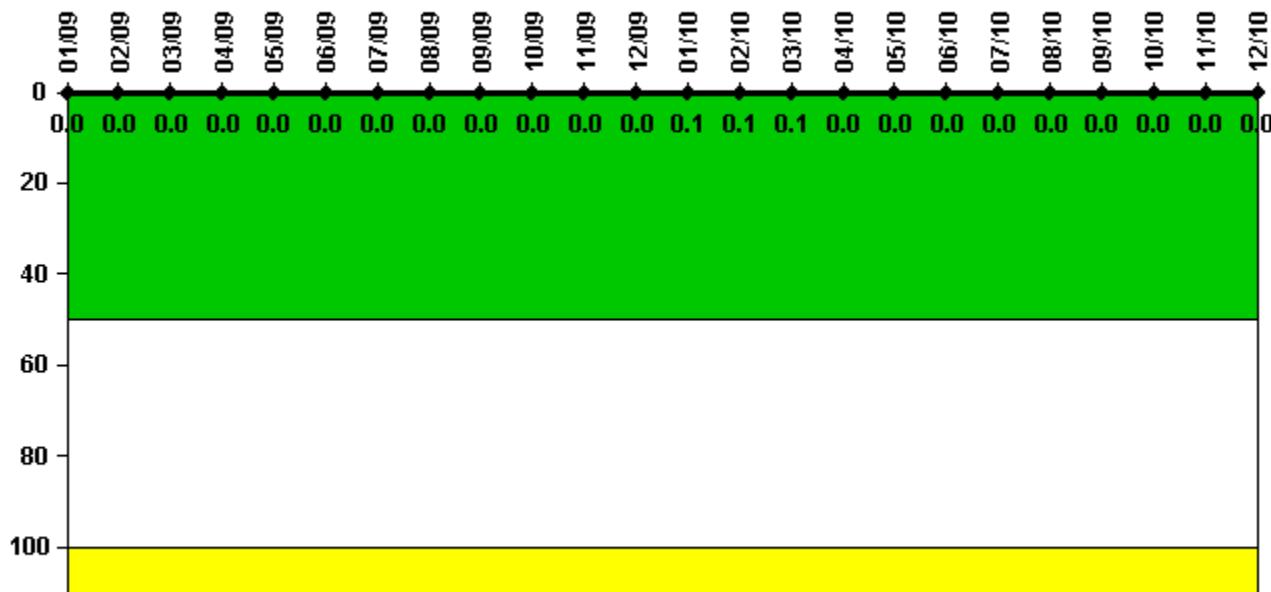
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (Δ CDF)	-2.00E-09	-2.00E-09	-2.00E-09	-2.00E-09	-4.23E-09	-4.22E-09	-4.22E-09	-4.22E-09
URI (Δ CDF)	3.30E-09	3.70E-09	3.80E-09	3.80E-09	-4.84E-09	-7.28E-09	-7.30E-09	-7.30E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.30E-09	1.70E-09	1.80E-09	1.80E-09	-9.10E-09	-1.20E-08	-1.20E-08	-1.20E-08

Licensee Comments: none

Reactor Coolant System Activity



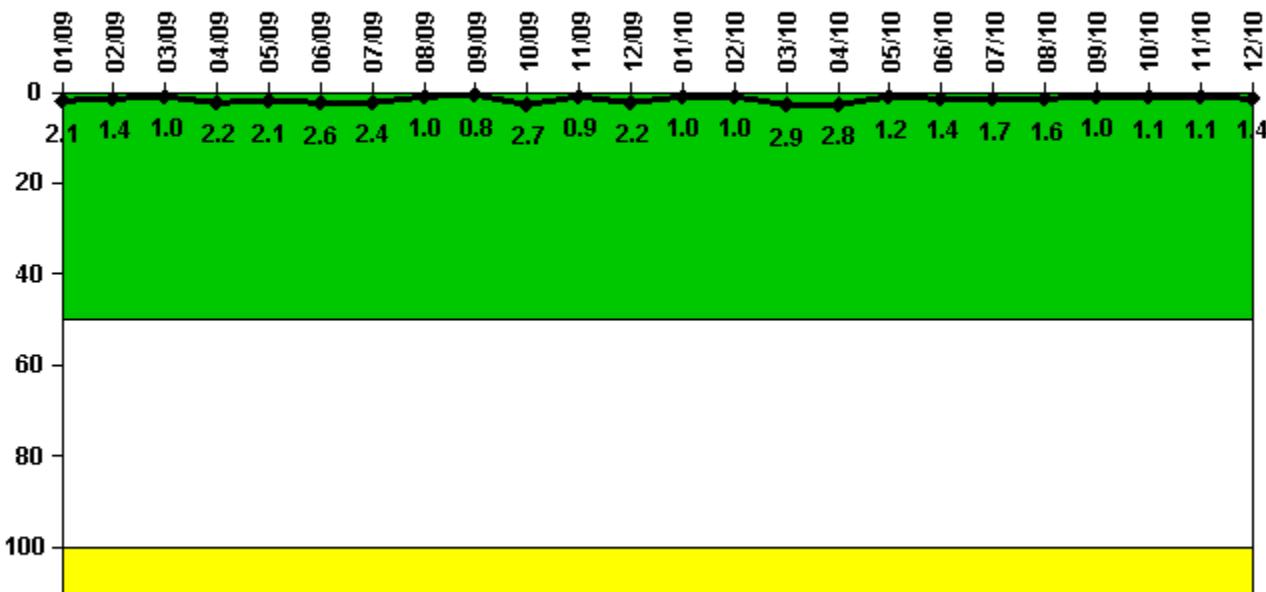
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum activity	0.000364	0.000369	0.000293	0.000372	0.000416	0.000423	0.000436	0.000356	0.000354	0.000454	0.000486	0.000461
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10
Maximum activity	0.000542	0.000513	0.000880	0.000150	0.000192	0.000212	0.000231	0.000220	0.000307	0.000313	0.000372	0.000279
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	0	0	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

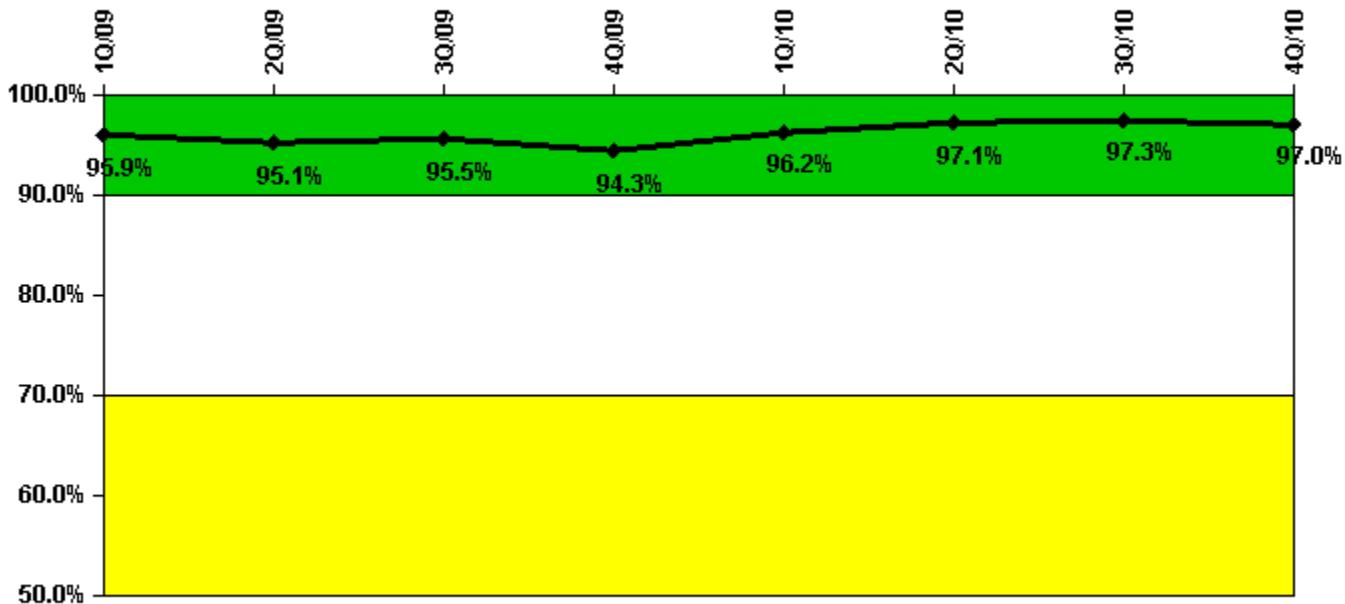
Notes

Reactor Coolant System Leakage	1/09	2/09	3/09	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09
Maximum leakage	0.205	0.135	0.103	0.218	0.210	0.263	0.239	0.101	0.080	0.268	0.089	0.221
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	1.4	1.0	2.2	2.1	2.6	2.4	1.0	0.8	2.7	0.9	2.2
Reactor Coolant System Leakage	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10
Maximum leakage	0.098	0.096	0.285	0.281	0.119	0.141	0.166	0.158	0.100	0.109	0.113	0.141
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	1.0	2.9	2.8	1.2	1.4	1.7	1.6	1.0	1.1	1.1	1.4

Licensee Comments:

12/10: Total Leakage is being reported in lieu of Identified Leakage.

Drill/Exercise Performance



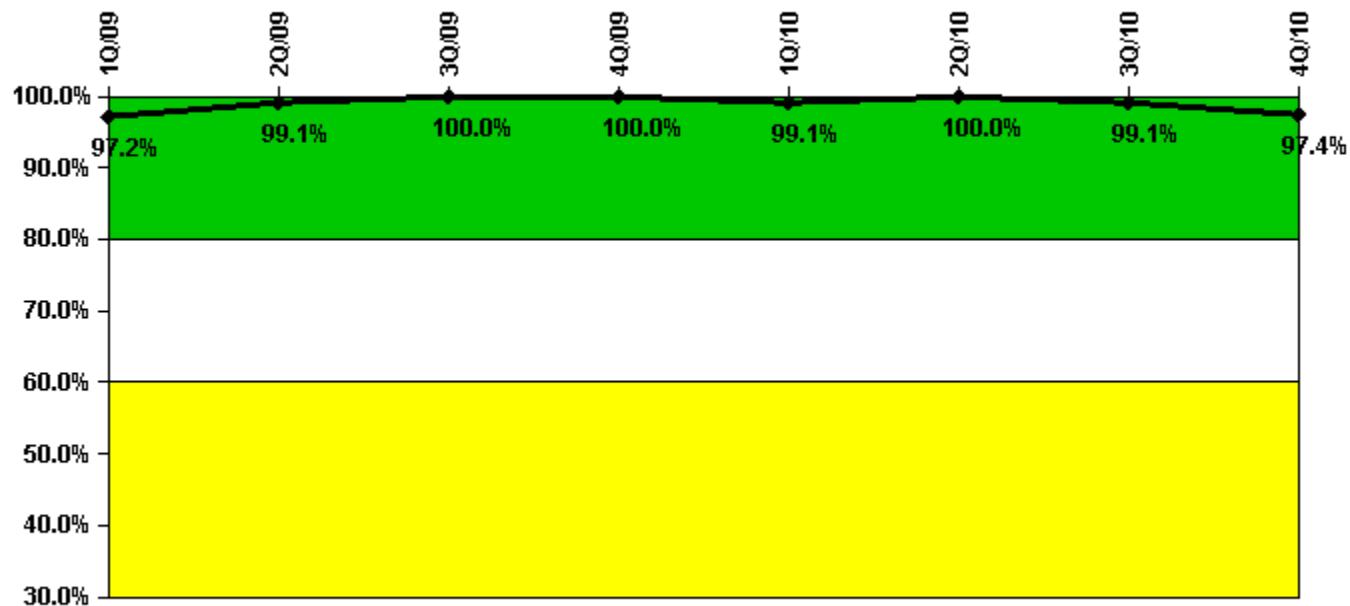
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful opportunities	18.0	38.0	15.0	19.0	23.0	26.0	35.0	17.0
Total opportunities	18.0	40.0	15.0	22.0	23.0	26.0	35.0	18.0
Indicator value	95.9%	95.1%	95.5%	94.3%	96.2%	97.1%	97.3%	97.0%

Licensee Comments: none

ERO Drill Participation



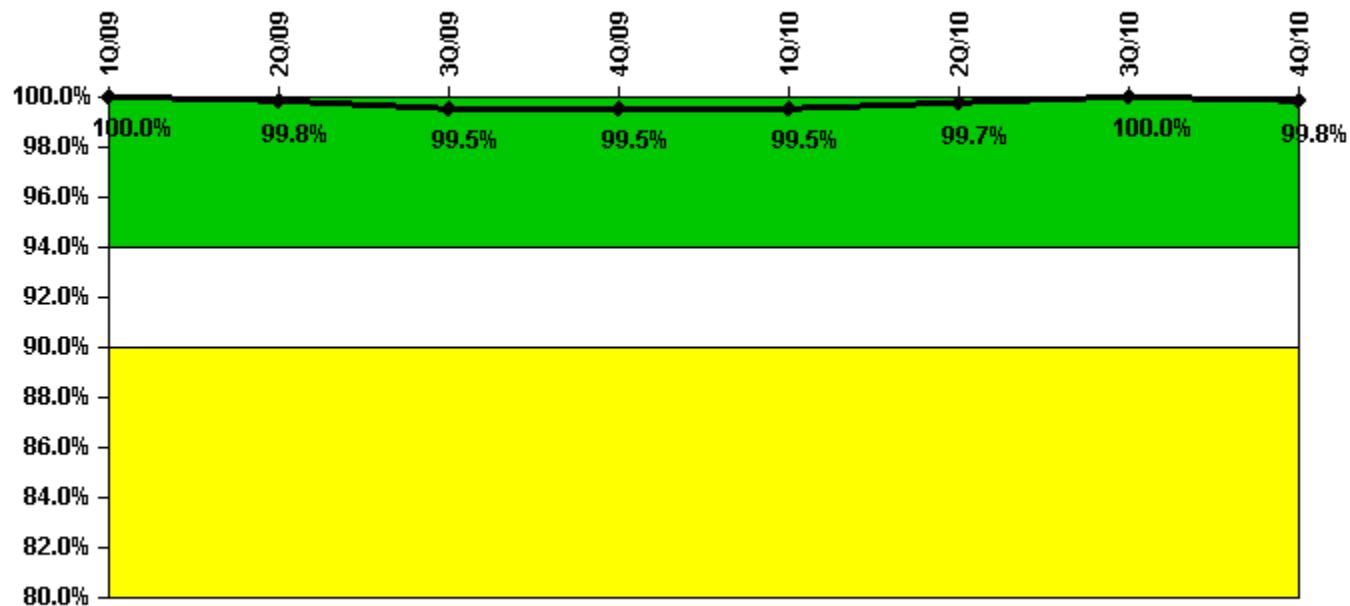
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Participating Key personnel	103.0	108.0	112.0	113.0	113.0	110.0	108.0	112.0
Total Key personnel	106.0	109.0	112.0	113.0	114.0	110.0	109.0	115.0
Indicator value	97.2%	99.1%	100.0%	100.0%	99.1%	100.0%	99.1%	97.4%

Licensee Comments: none

Alert & Notification System



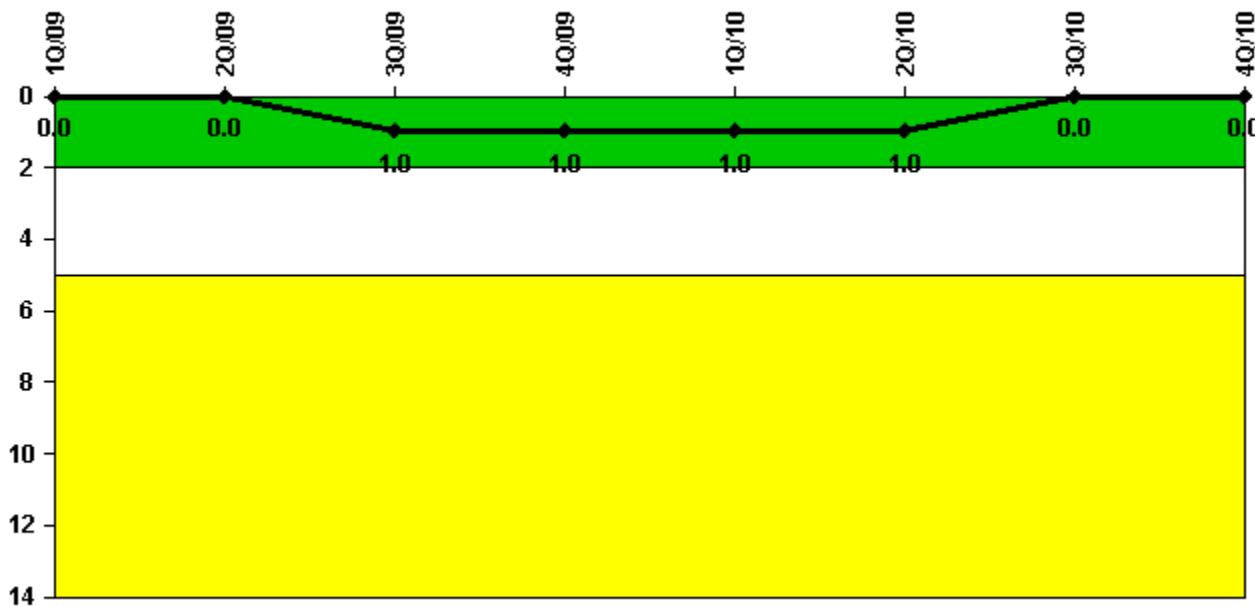
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Successful siren-tests	147	146	145	147	147	147	147	146
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	100.0%	99.8%	99.5%	99.5%	99.5%	99.7%	100.0%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



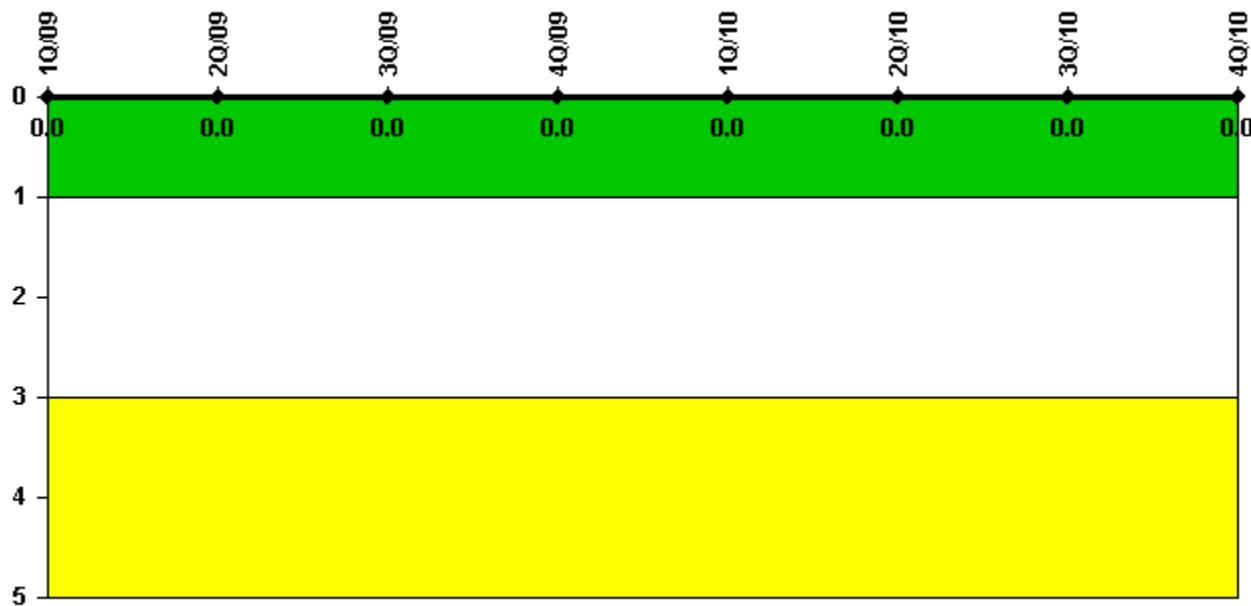
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

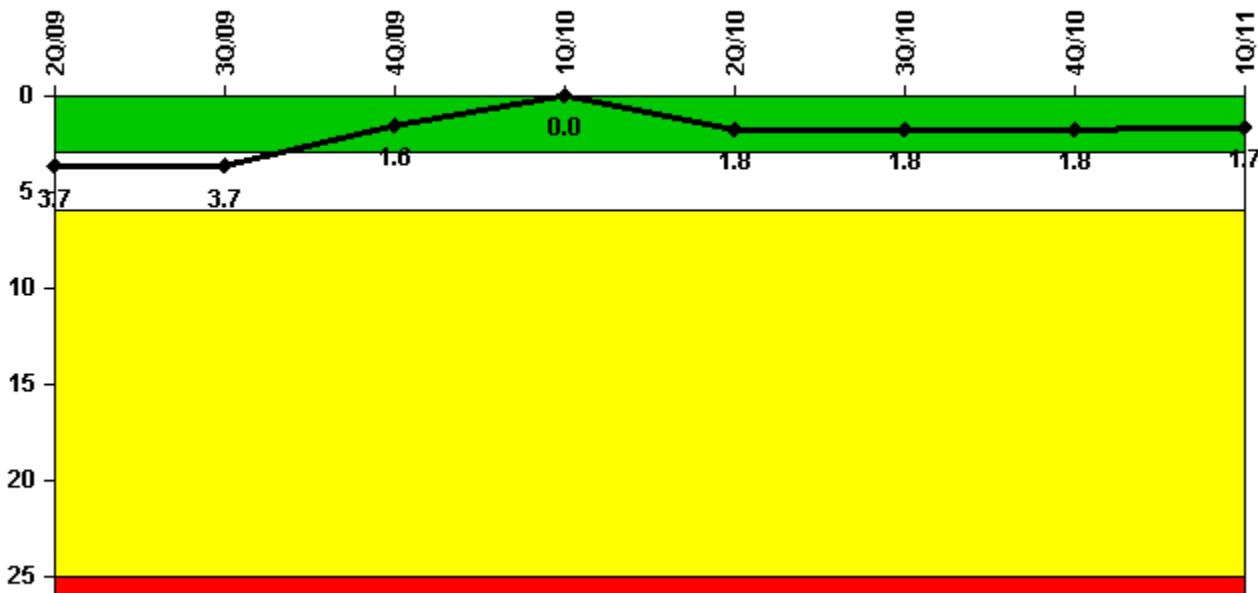
[Security](#) information not publicly available.

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1Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



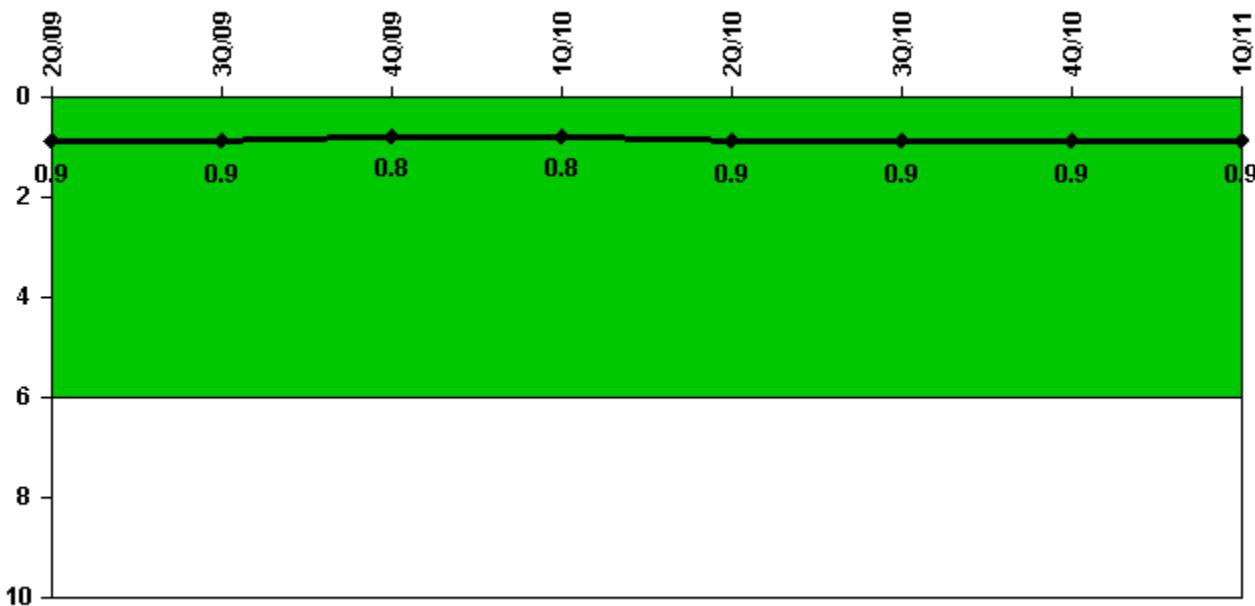
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	2.0	0	0	0
Critical hours	2184.0	2208.0	2209.0	1903.0	1611.9	2208.0	2209.0	2159.0
Indicator value	3.7	3.7	1.6	0	1.8	1.8	1.8	1.7

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



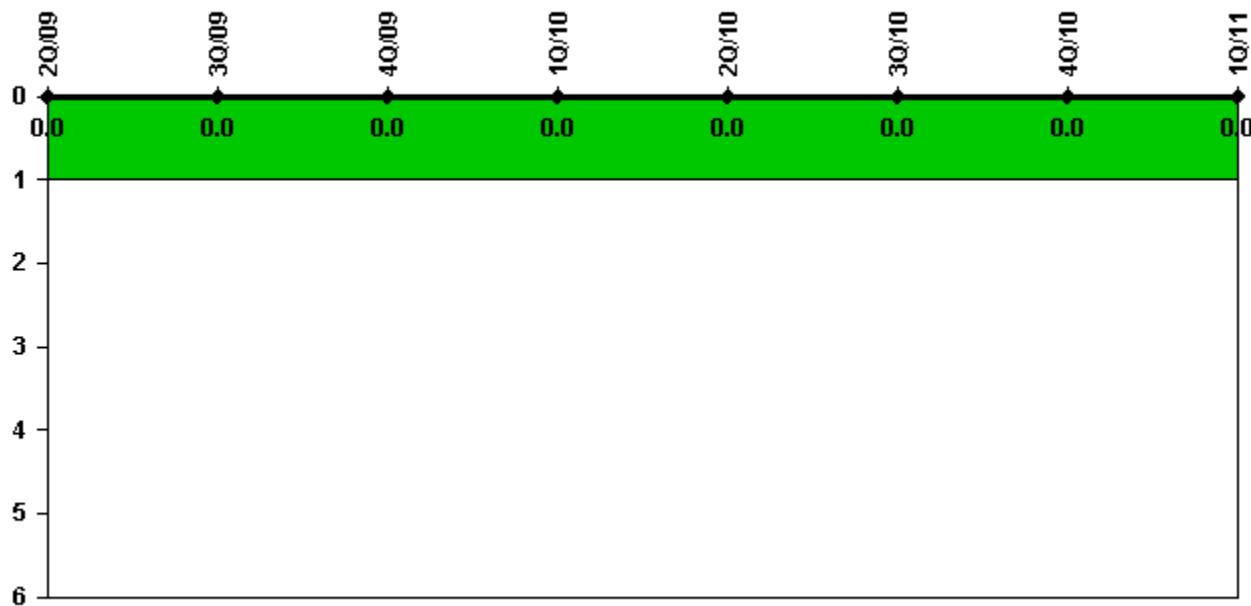
Thresholds: White > 6.0

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	1.0	0	0	0	1.0	0	0	0
Critical hours	2184.0	2208.0	2209.0	1903.0	1611.9	2208.0	2209.0	2159.0
Indicator value	0.9	0.9	0.8	0.8	0.9	0.9	0.9	0.9

Licensee Comments: none

Unplanned Scrams with Complications



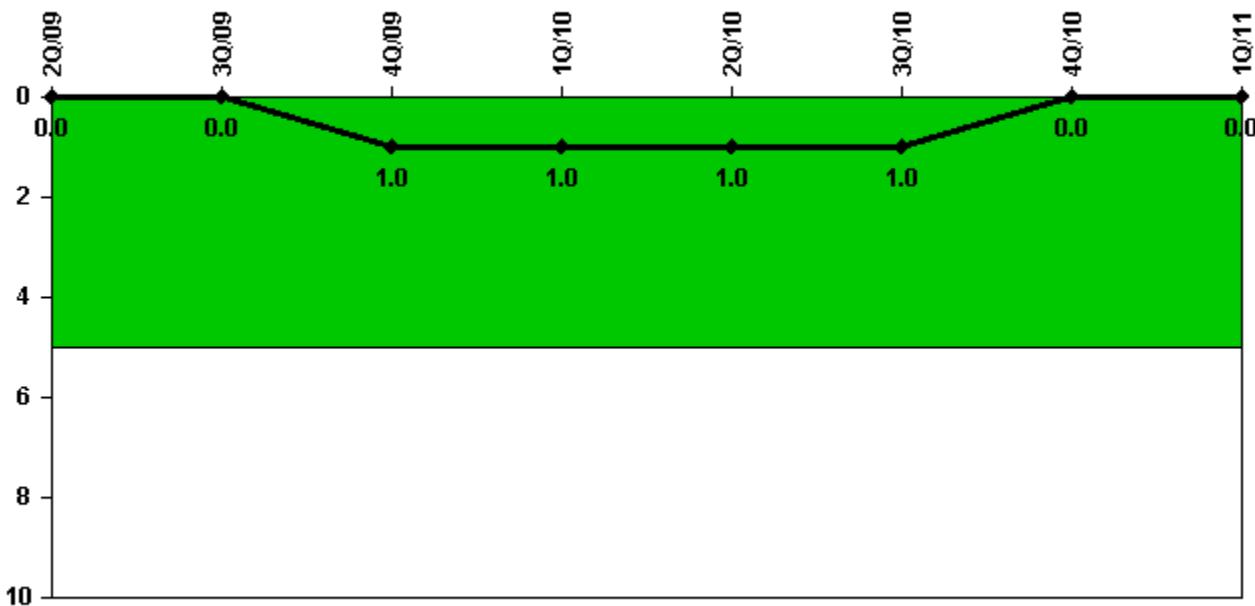
Thresholds: White > 1.0

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)



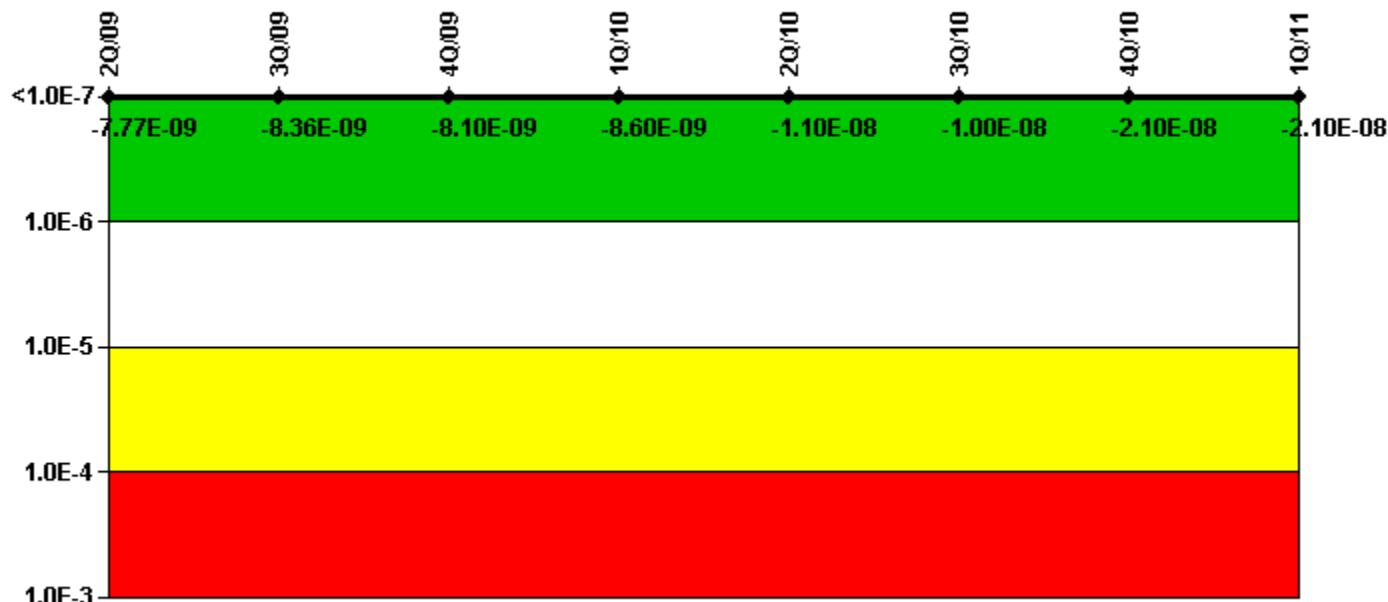
Thresholds: White > 5.0

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	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



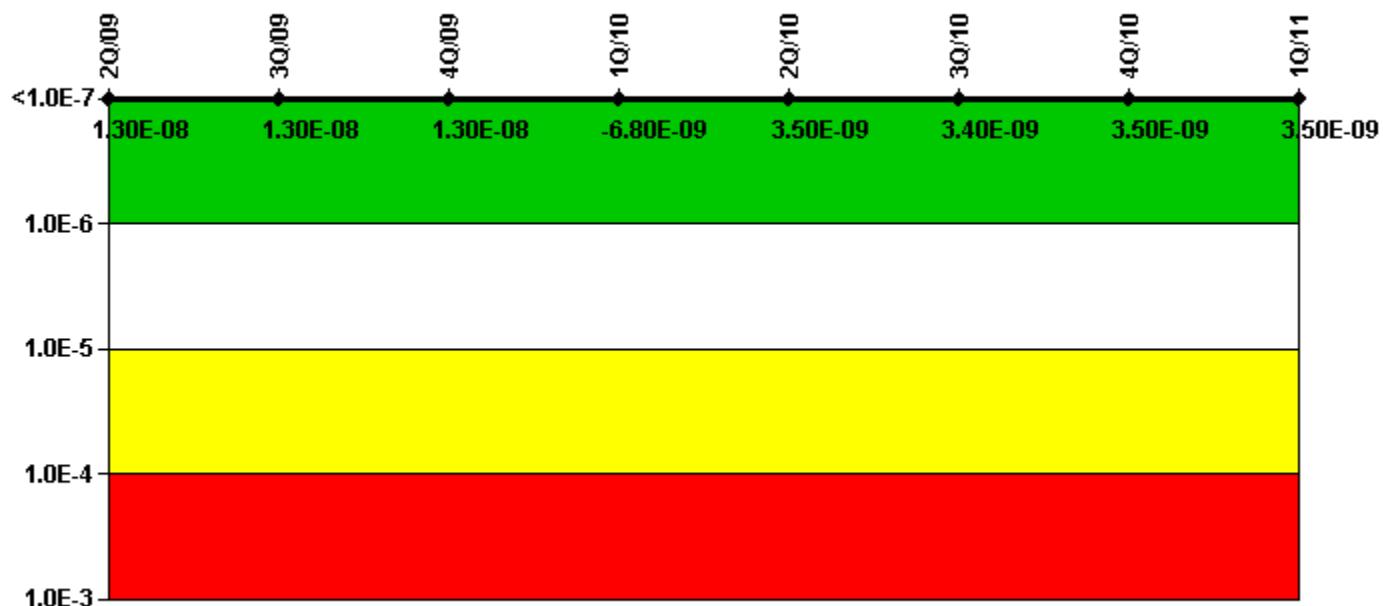
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	9.30E-10	9.40E-10	1.90E-09	1.27E-09	-2.11E-09	-2.11E-09	-2.38E-09	-2.38E-09
URI (Δ CDF)	-8.70E-09	-9.30E-09	-1.00E-08	-9.84E-09	-8.78E-09	-8.22E-09	-1.82E-08	-1.82E-08
PLE	NO							
Indicator value	-7.77E-09	-8.36E-09	-8.10E-09	-8.60E-09	-1.10E-08	-1.00E-08	-2.10E-08	-2.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



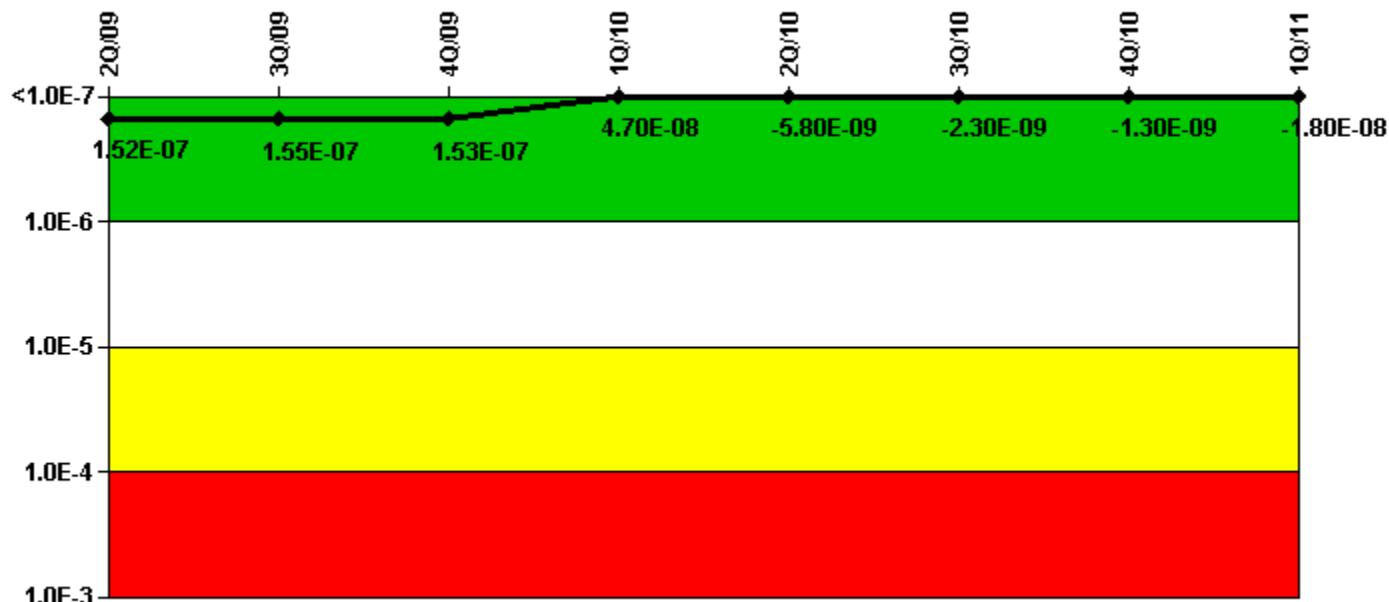
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	3.20E-08	3.20E-08	3.20E-08	2.12E-11	2.13E-11	1.78E-11	-4.47E-12	-4.45E-12
URI (Δ CDF)	-1.90E-08	-1.90E-08	-1.90E-08	-6.81E-09	3.46E-09	3.40E-09	3.54E-09	3.54E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.30E-08	1.30E-08	1.30E-08	-6.80E-09	3.50E-09	3.40E-09	3.50E-09	3.50E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



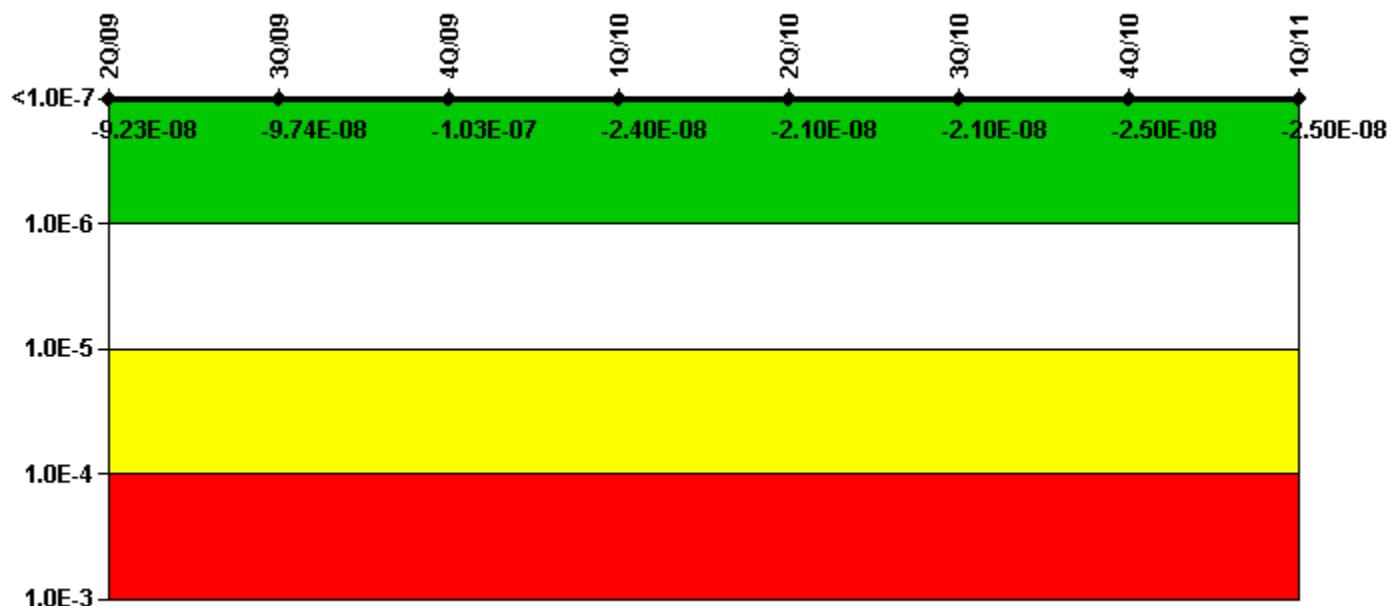
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	9.40E-08	9.70E-08	9.30E-08	2.70E-08	1.94E-08	2.47E-08	2.60E-08	9.71E-09
URI (Δ CDF)	5.80E-08	5.80E-08	6.00E-08	2.03E-08	-2.51E-08	-2.69E-08	-2.73E-08	-2.73E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.52E-07	1.55E-07	1.53E-07	4.70E-08	-5.80E-09	-2.30E-09	-1.30E-09	-1.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



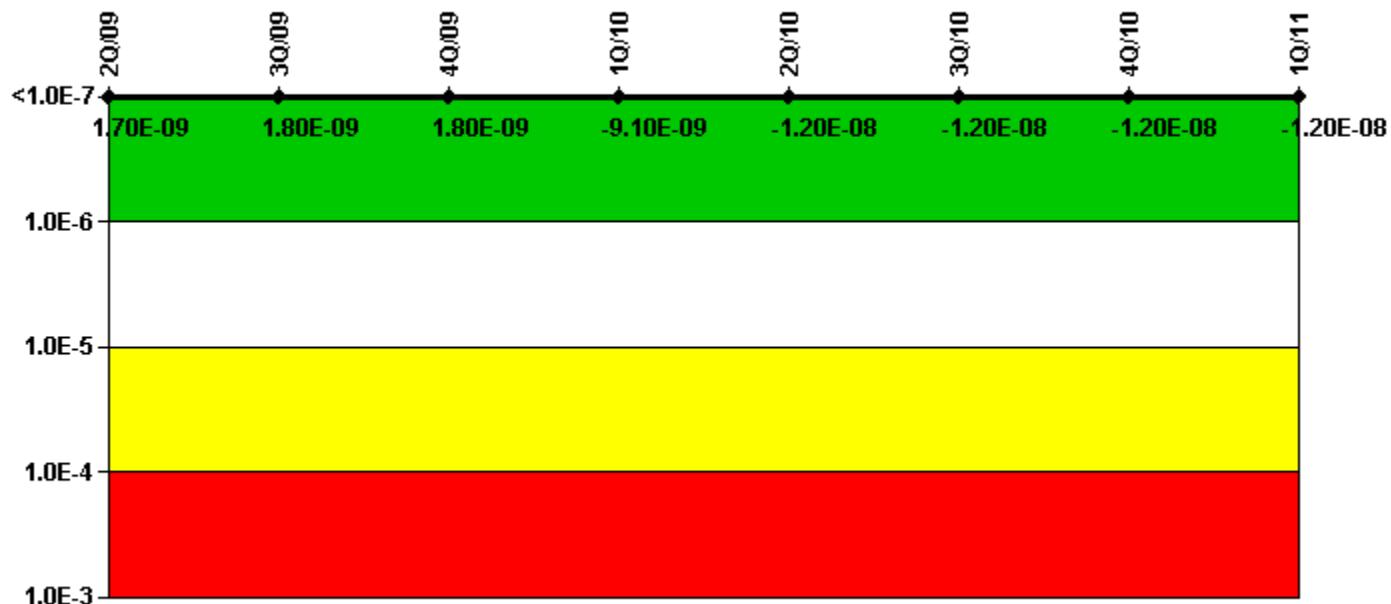
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (Δ CDF)	7.70E-09	2.60E-09	-2.50E-09	1.52E-08	1.54E-08	1.55E-08	1.13E-08	1.14E-08
URI (Δ CDF)	-1.00E-07	-1.00E-07	-1.00E-07	-3.90E-08	-3.67E-08	-3.65E-08	-3.65E-08	-3.65E-08
PLE	NO							
Indicator value	-9.23E-08	-9.74E-08	-1.03E-07	-2.40E-08	-2.10E-08	-2.10E-08	-2.50E-08	-2.50E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



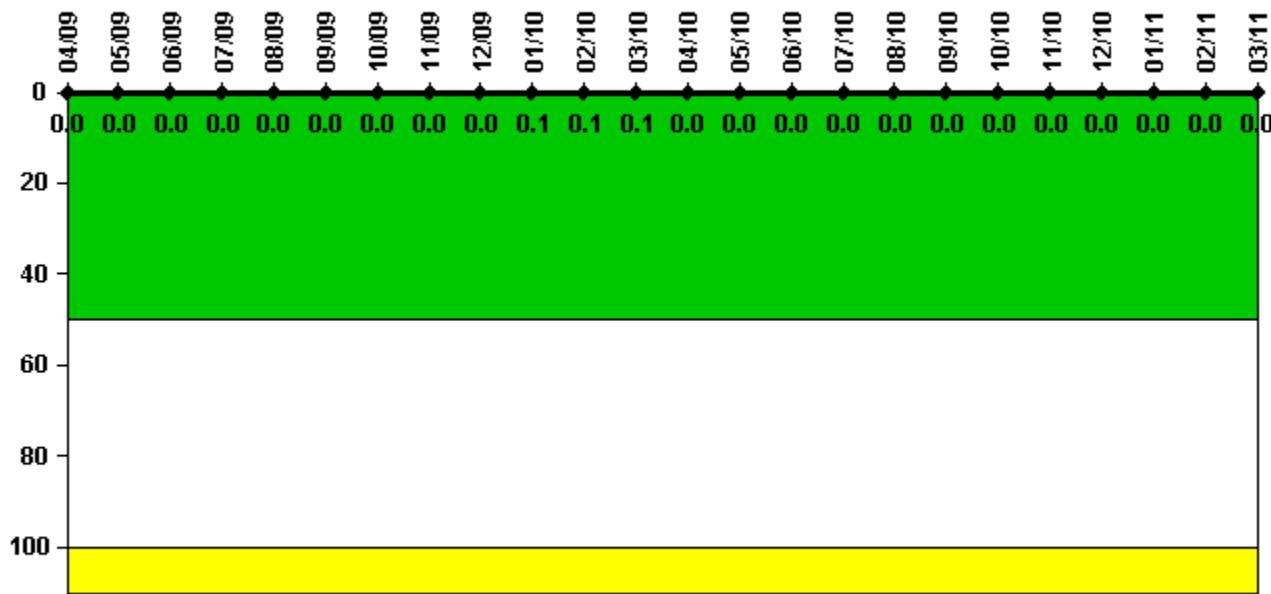
Thresholds: White > $1.00\text{E-}6$ Yellow > $1.00\text{E-}5$ Red > $1.00\text{E-}4$

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	$-2.00\text{E-}09$	$-2.00\text{E-}09$	$-2.00\text{E-}09$	$-4.23\text{E-}09$	$-4.22\text{E-}09$	$-4.22\text{E-}09$	$-4.22\text{E-}09$	$-4.22\text{E-}09$
URI (ΔCDF)	$3.70\text{E-}09$	$3.80\text{E-}09$	$3.80\text{E-}09$	$-4.84\text{E-}09$	$-7.28\text{E-}09$	$-7.30\text{E-}09$	$-7.30\text{E-}09$	$-7.30\text{E-}09$
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	$1.70\text{E-}09$	$1.80\text{E-}09$	$1.80\text{E-}09$	$-9.10\text{E-}09$	$-1.20\text{E-}08$	$-1.20\text{E-}08$	$-1.20\text{E-}08$	$-1.20\text{E-}08$

Licensee Comments: none

Reactor Coolant System Activity



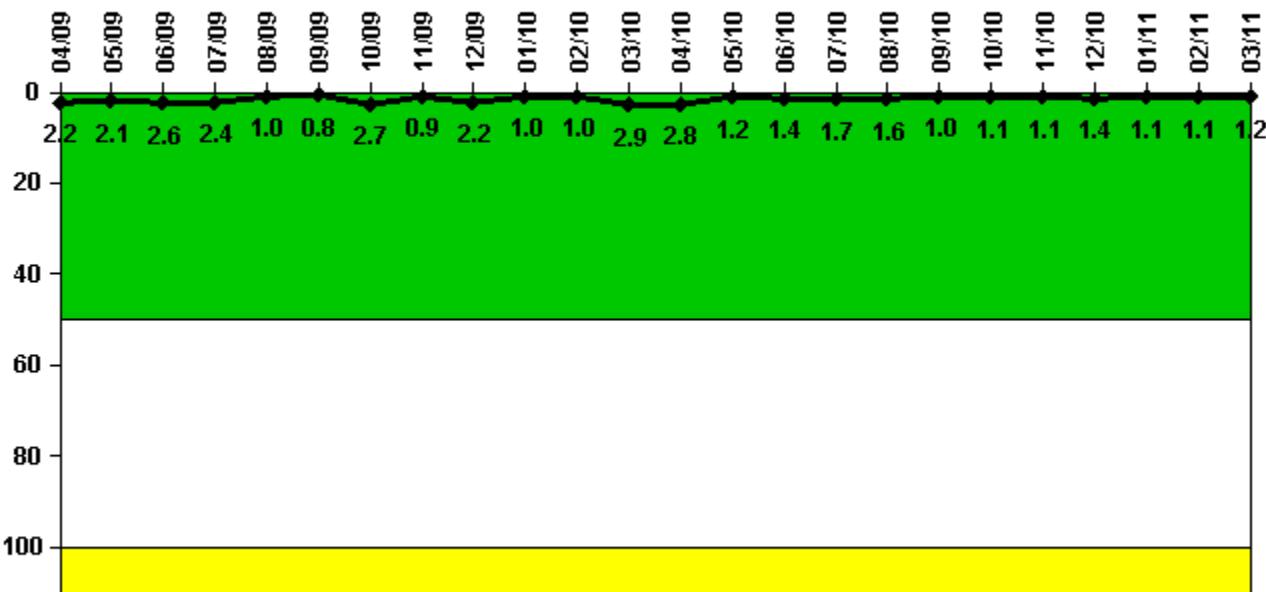
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum activity	0.0000372	0.0000416	0.0000423	0.0000436	0.0000356	0.0000354	0.0000454	0.0000486	0.0000461	0.0000542	0.0000513	0.0000880
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	1.0	1.0	1.0
Indicator value	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1
Reactor Coolant System Activity	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum activity	0.000150	0.000192	0.000212	0.000231	0.000220	0.000307	0.000313	0.000372	0.000279	0.000301	0.000358	0.000354
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	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

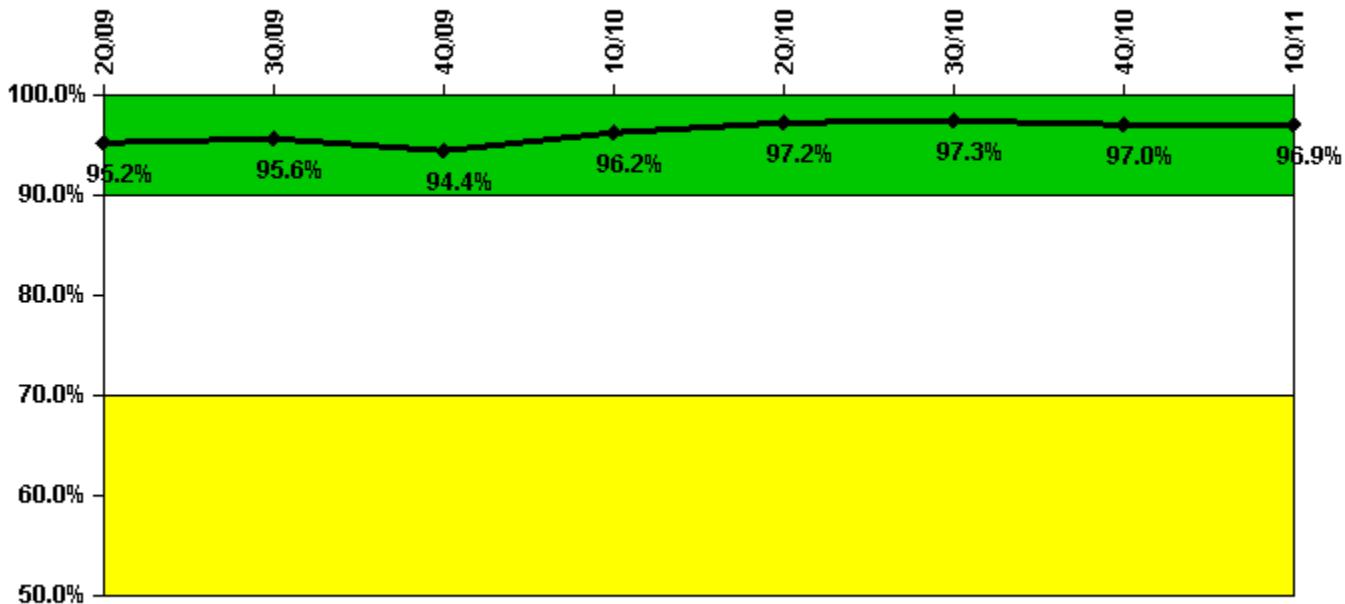
Notes

Reactor Coolant System Leakage	4/09	5/09	6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10
Maximum leakage	0.218	0.210	0.263	0.239	0.101	0.080	0.268	0.089	0.221	0.098	0.096	0.285
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	2.1	2.6	2.4	1.0	0.8	2.7	0.9	2.2	1.0	1.0	2.9
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	0.281	0.119	0.141	0.166	0.158	0.100	0.109	0.113	0.141	0.114	0.114	0.116
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	2.8	1.2	1.4	1.7	1.6	1.0	1.1	1.1	1.4	1.1	1.1	1.2

Licensee Comments:

3/11: Total Leakage is being reported in lieu of Identified Leakage.

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

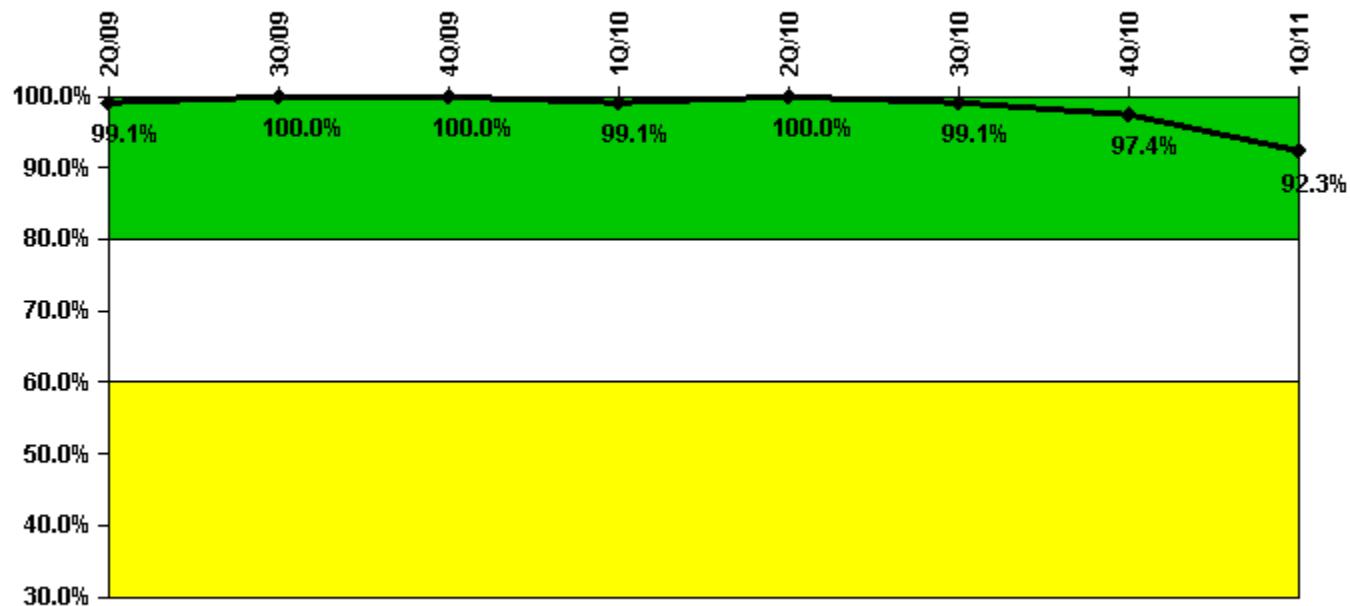
Drill/Exercise Performance	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful opportunities	40.0	15.0	19.0	23.0	26.0	35.0	17.0	11.0
Total opportunities	42.0	15.0	22.0	23.0	26.0	35.0	18.0	11.0
Indicator value	95.2%	95.6%	94.4%	96.2%	97.2%	97.3%	97.0%	96.9%

Licensee Comments:

1Q/11: Two additional Successful Event Opportunities and two Total Event Opportunities were identified that were not included in the original June 2009 data submittal. Both June 2009 data elements were revised from 22 to 24 in the first quarter 2011 data submittal. This results in no significant change to the 8 quarter performance indicator.

2Q/09: Two additional Successful and Total Event Opportunities were identified that were not included in the original June 2009 data submittal. Both data elements were revised from 22 to 24 in the first quarter 2011 data submittal. This results in no significant change to the 8 quarter performance indicator.

ERO Drill Participation



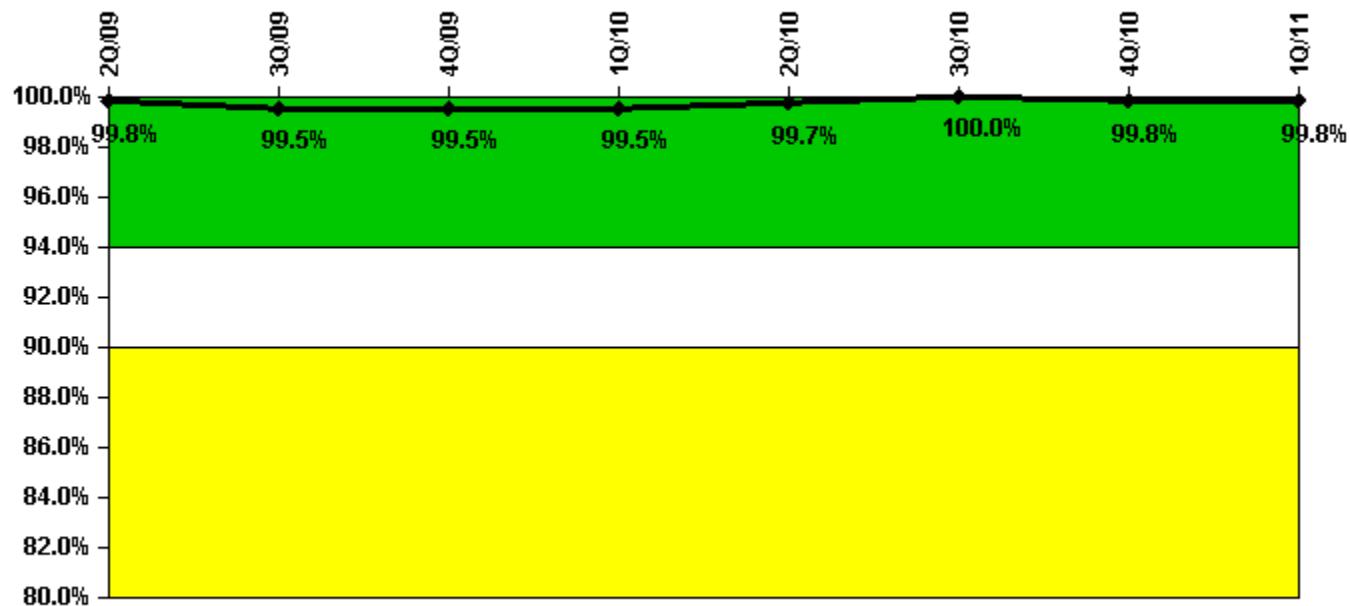
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Participating Key personnel	108.0	112.0	113.0	113.0	110.0	108.0	112.0	108.0
Total Key personnel	109.0	112.0	113.0	114.0	110.0	109.0	115.0	117.0
Indicator value	99.1%	100.0%	100.0%	99.1%	100.0%	99.1%	97.4%	92.3%

Licensee Comments: none

Alert & Notification System



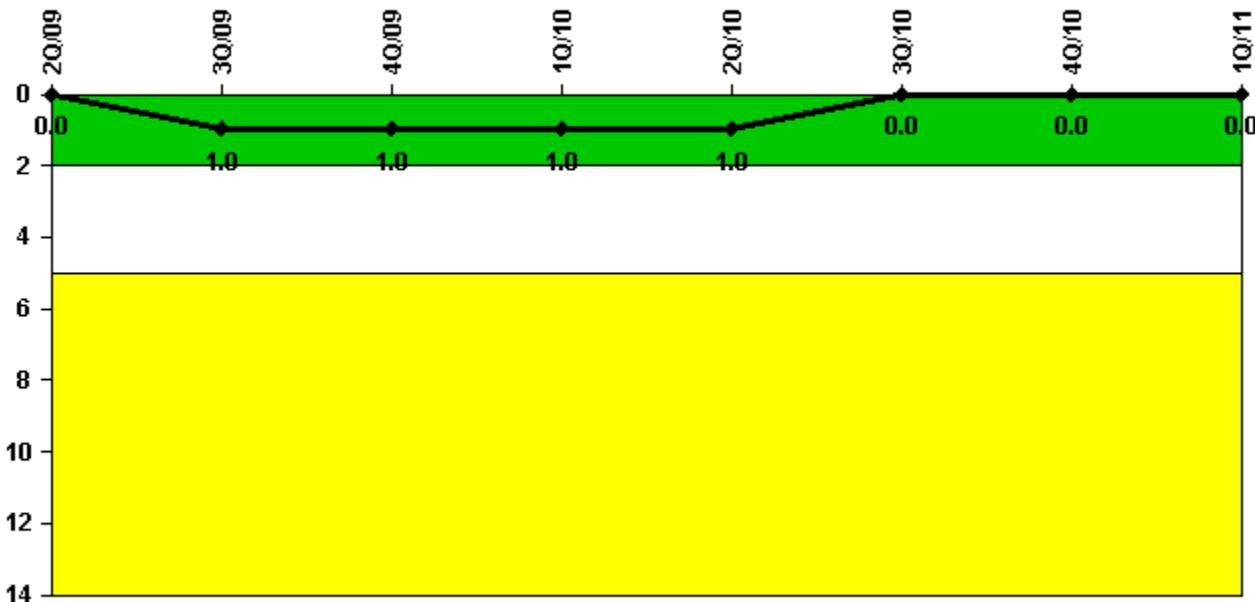
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Successful siren-tests	146	145	147	147	147	147	146	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.8%	99.5%	99.5%	99.5%	99.7%	100.0%	99.8%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



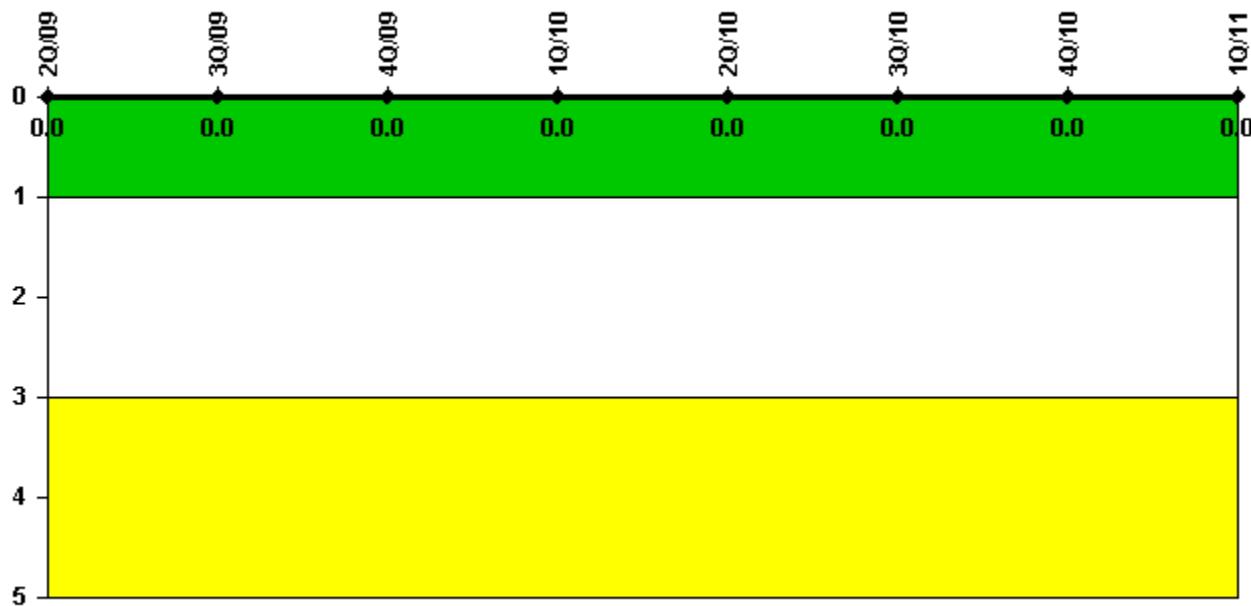
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

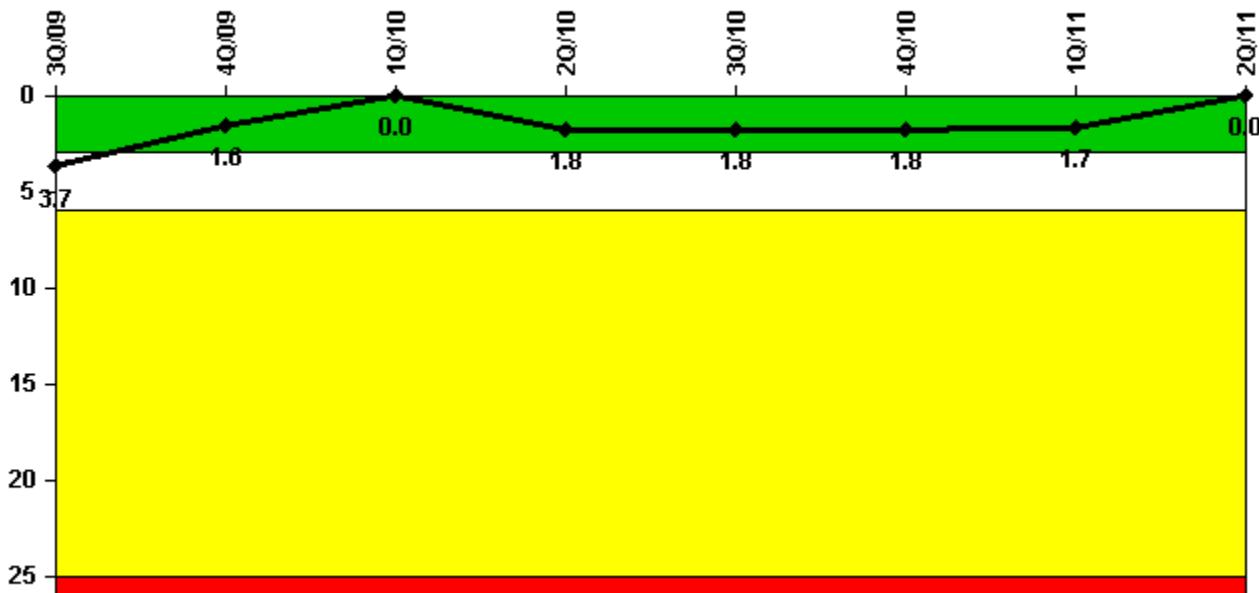
[Security](#) information not publicly available.

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2Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



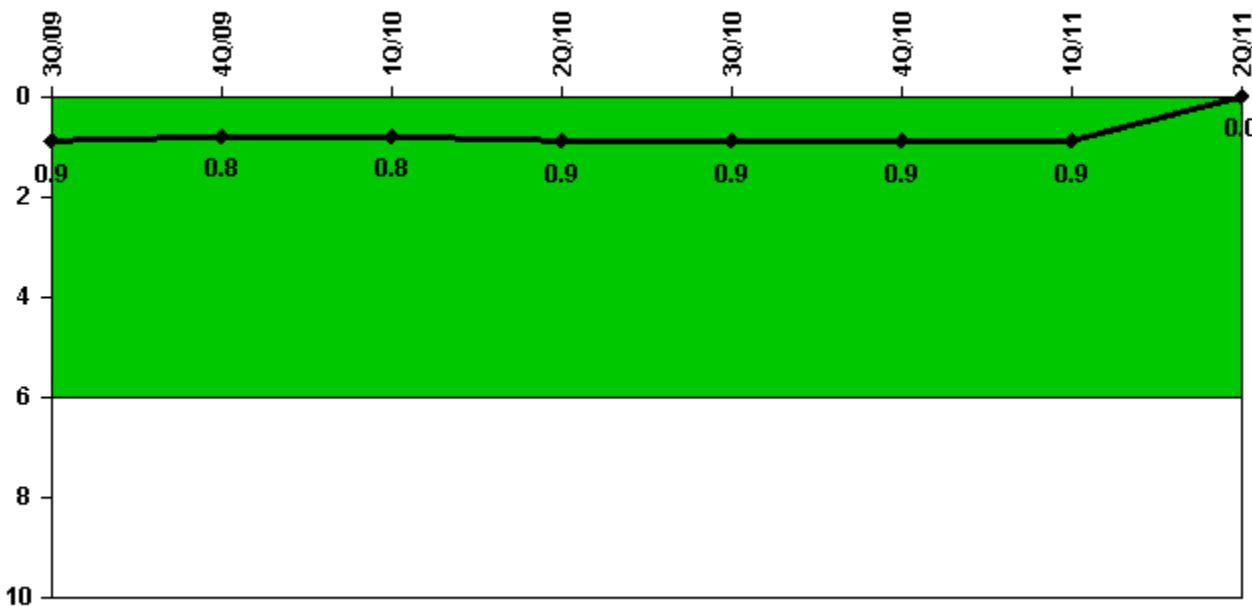
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned scrams	0	0	0	2.0	0	0	0	0
Critical hours	2208.0	2209.0	1903.0	1611.9	2208.0	2209.0	2159.0	2184.0
Indicator value	3.7	1.6	0	1.8	1.8	1.8	1.7	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



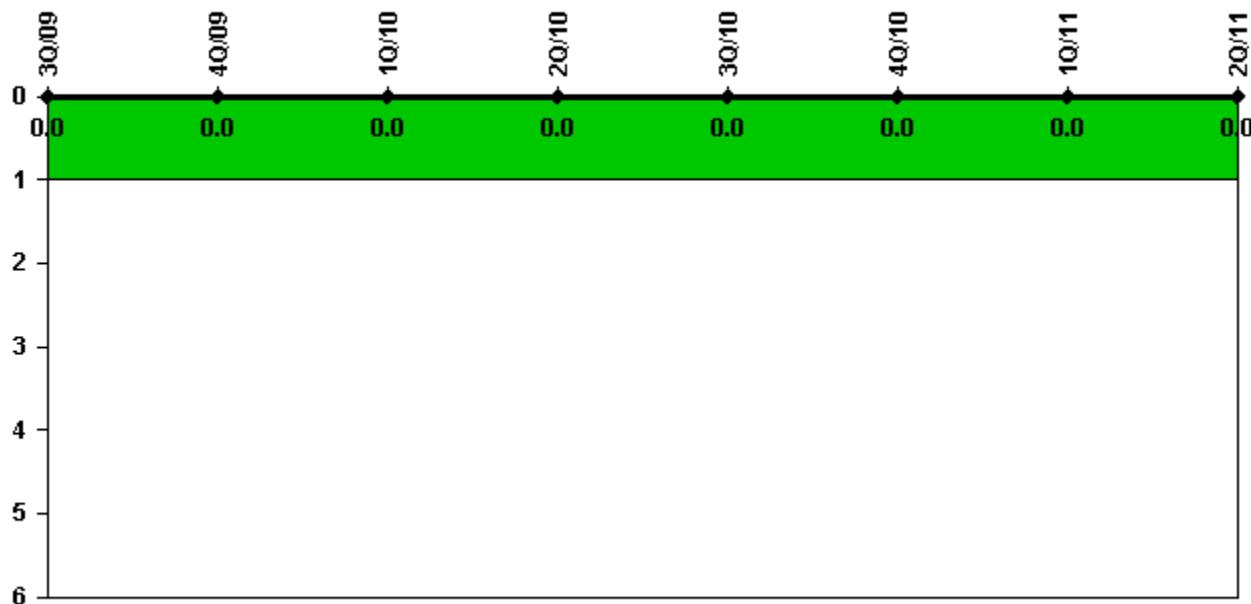
Thresholds: White > 6.0

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	0	0	1.0	0	0	0	0
Critical hours	2208.0	2209.0	1903.0	1611.9	2208.0	2209.0	2159.0	2184.0
Indicator value	0.9	0.8	0.8	0.9	0.9	0.9	0.9	0

Licensee Comments: none

Unplanned Scrams with Complications



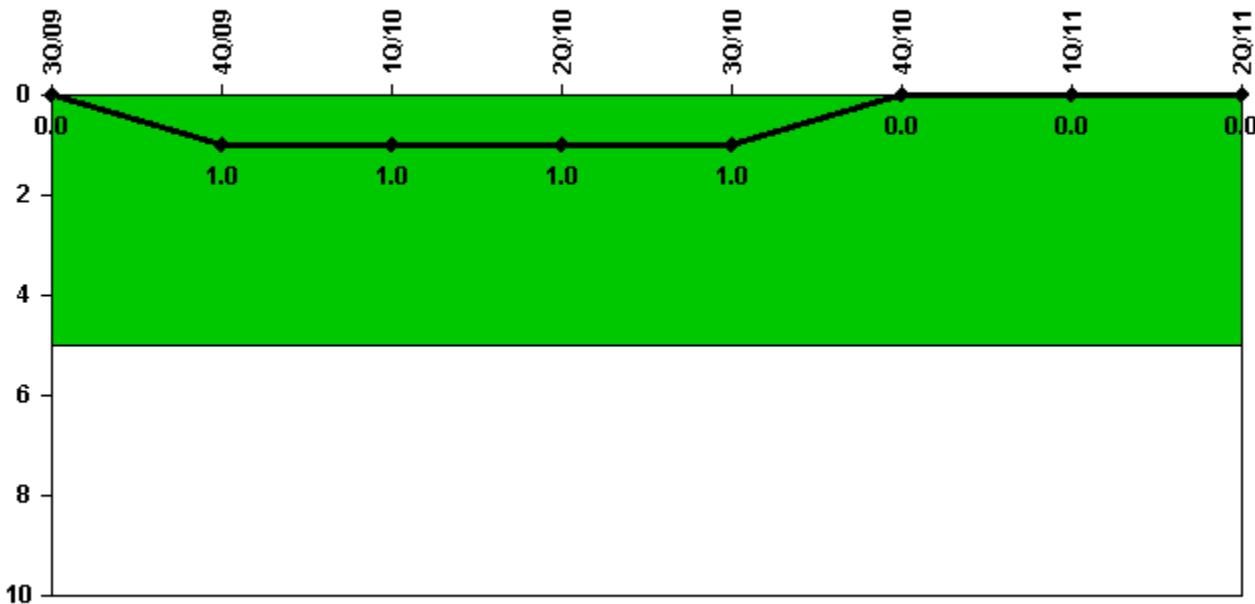
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



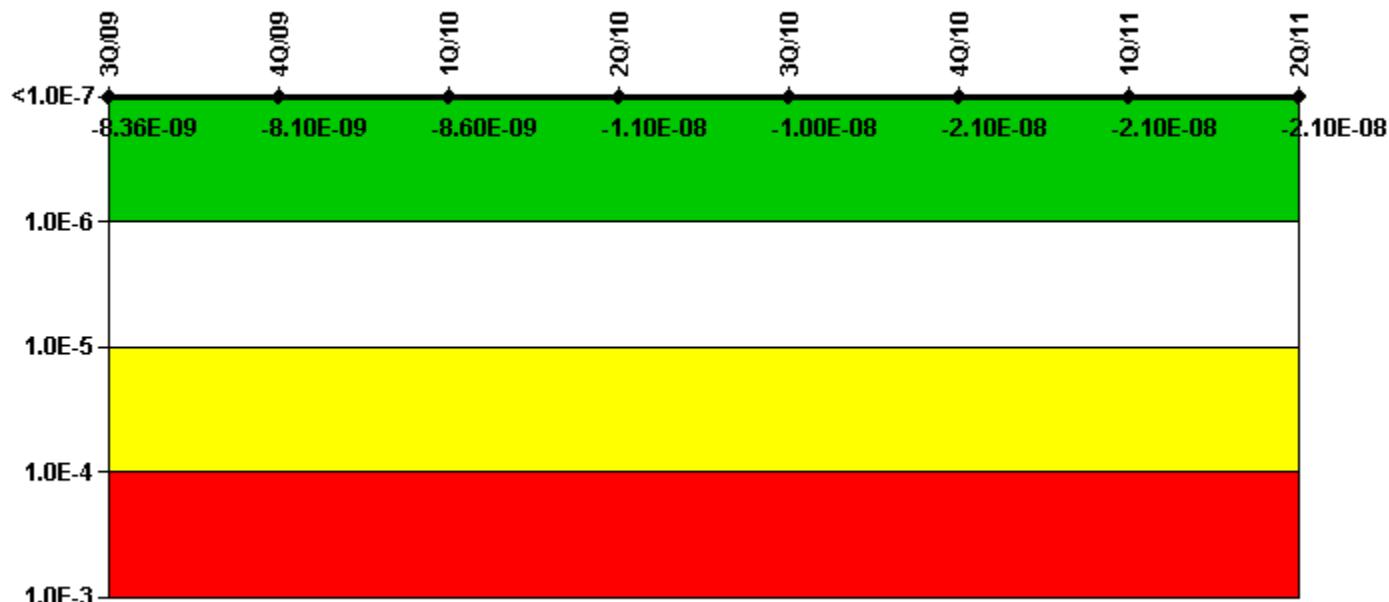
Thresholds: White > 5.0

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	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



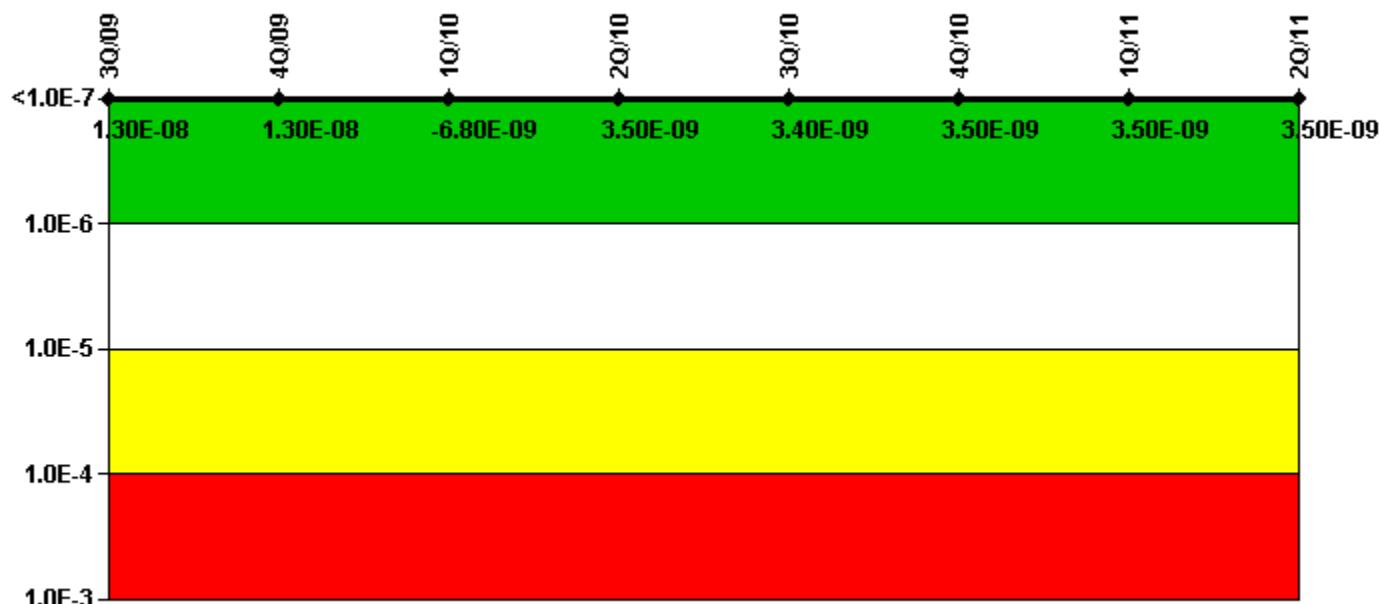
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	9.40E-10	1.90E-09	1.27E-09	-2.11E-09	-2.11E-09	-2.38E-09	-2.38E-09	-2.38E-09
URI (Δ CDF)	-9.30E-09	-1.00E-08	-9.84E-09	-8.78E-09	-8.22E-09	-1.82E-08	-1.82E-08	-1.83E-08
PLE	NO							
Indicator value	-8.36E-09	-8.10E-09	-8.60E-09	-1.10E-08	-1.00E-08	-2.10E-08	-2.10E-08	-2.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



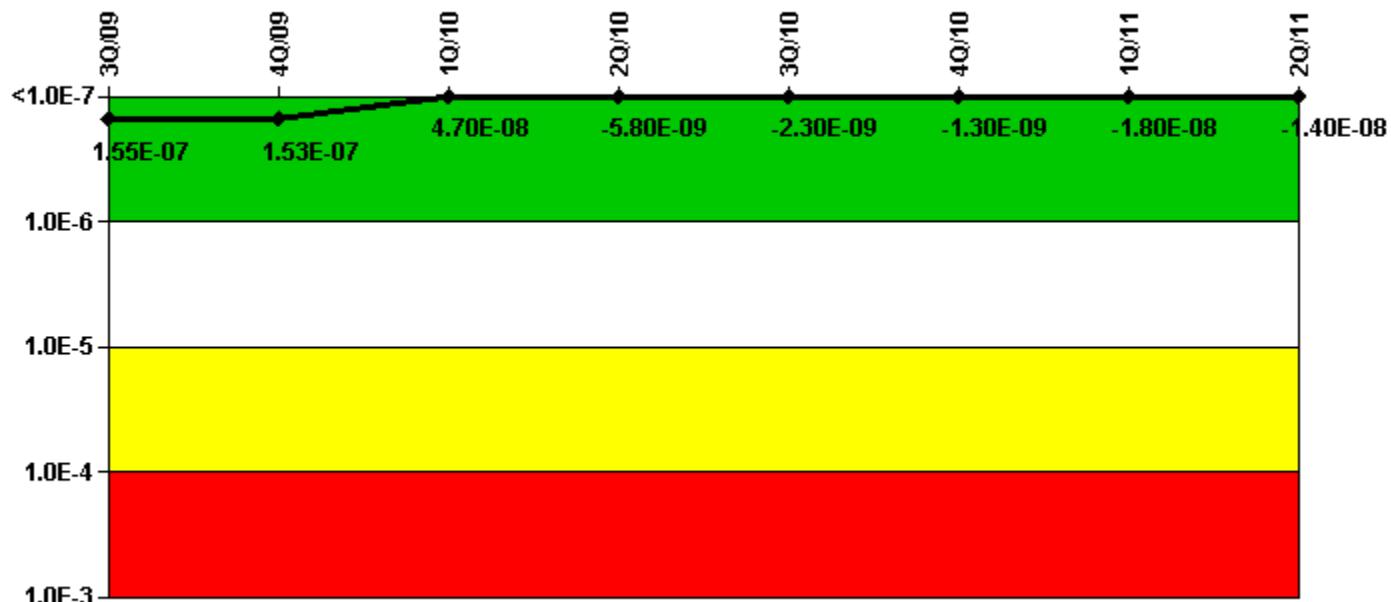
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	3.20E-08	3.20E-08	2.12E-11	2.13E-11	1.78E-11	-4.47E-12	-4.45E-12	-4.45E-12
URI (Δ CDF)	-1.90E-08	-1.90E-08	-6.81E-09	3.46E-09	3.40E-09	3.54E-09	3.54E-09	3.51E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.30E-08	1.30E-08	-6.80E-09	3.50E-09	3.40E-09	3.50E-09	3.50E-09	3.50E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



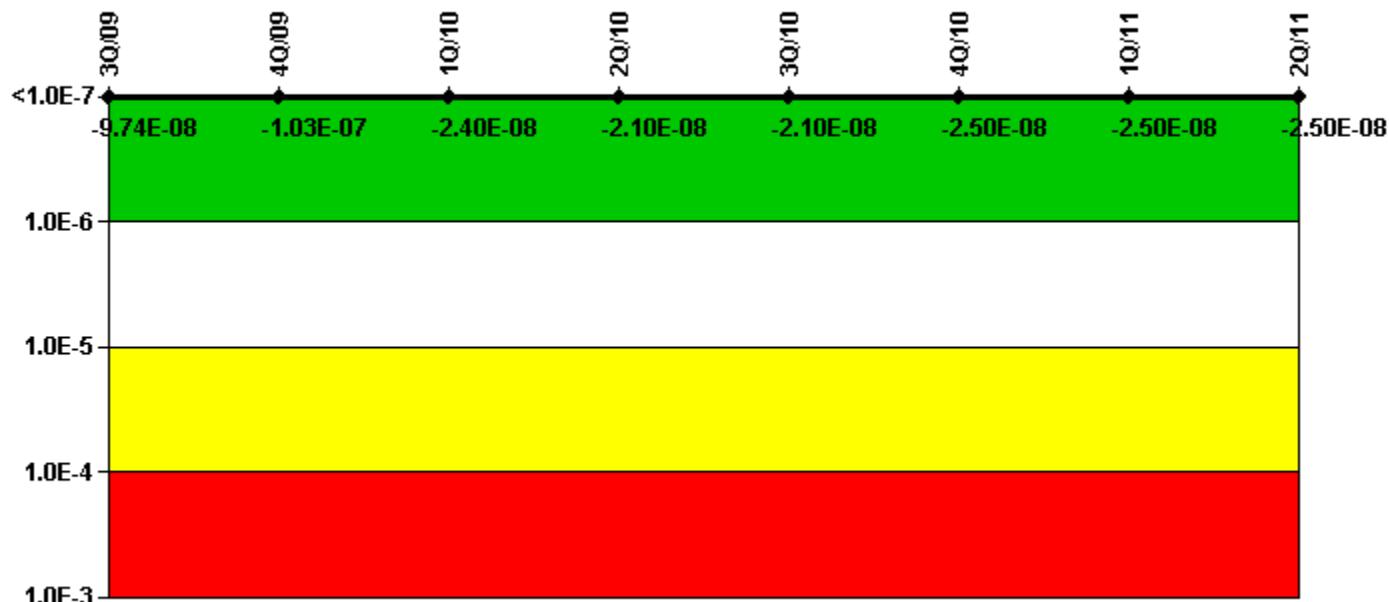
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	9.70E-08	9.30E-08	2.70E-08	1.94E-08	2.47E-08	2.60E-08	9.71E-09	1.31E-08
URI (Δ CDF)	5.80E-08	6.00E-08	2.03E-08	-2.51E-08	-2.69E-08	-2.73E-08	-2.73E-08	-2.72E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.55E-07	1.53E-07	4.70E-08	-5.80E-09	-2.30E-09	-1.30E-09	-1.80E-08	-1.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



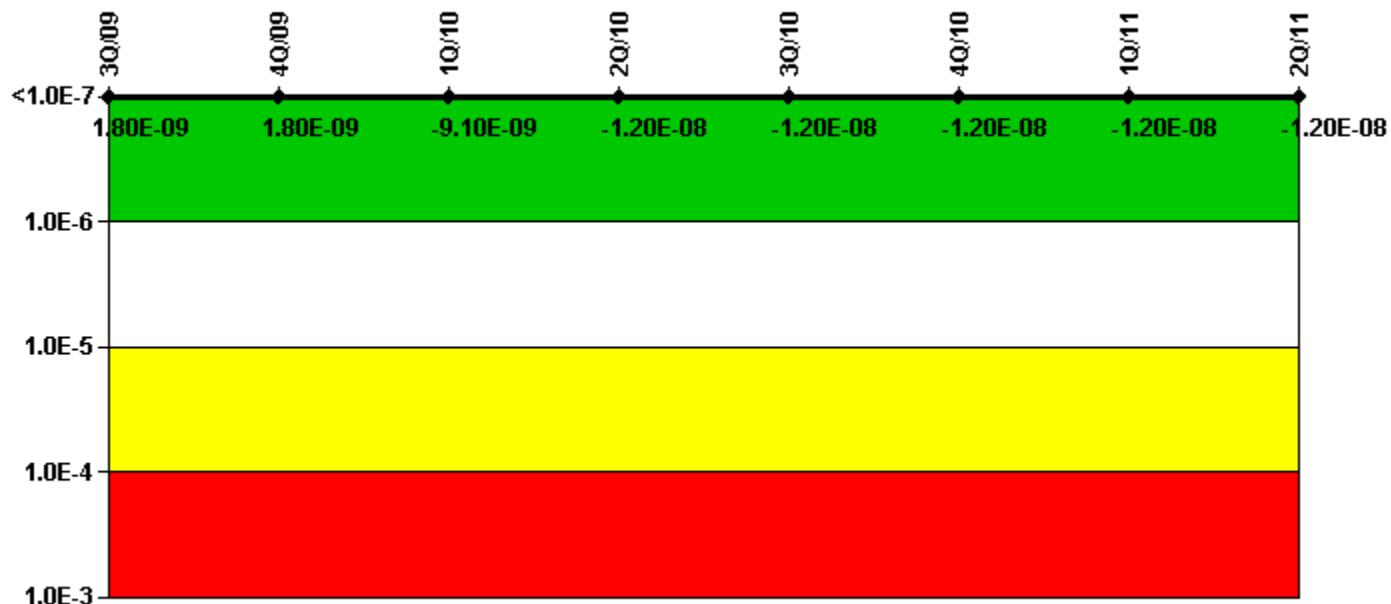
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	2.60E-09	-2.50E-09	1.52E-08	1.54E-08	1.55E-08	1.13E-08	1.14E-08	1.14E-08
URI (Δ CDF)		-1.00E-07	-1.00E-07	-3.90E-08	-3.67E-08	-3.65E-08	-3.65E-08	-3.65E-08
PLE		NO						
Indicator value		-9.74E-08	-1.03E-07	-2.40E-08	-2.10E-08	-2.10E-08	-2.50E-08	-2.50E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



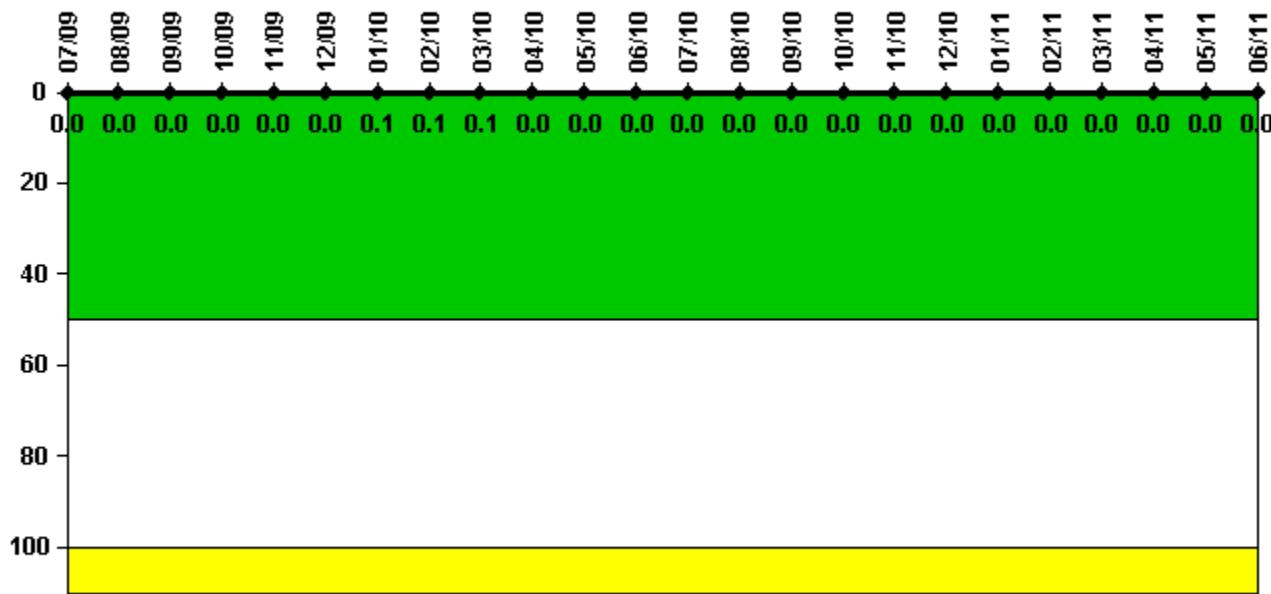
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	-2.00E-09	-2.00E-09	-4.23E-09	-4.22E-09	-4.22E-09	-4.22E-09	-4.22E-09	-4.22E-09
URI (Δ CDF)	3.80E-09	3.80E-09	-4.84E-09	-7.28E-09	-7.30E-09	-7.30E-09	-7.30E-09	-7.31E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.80E-09	1.80E-09	-9.10E-09	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08

Licensee Comments: none

Reactor Coolant System Activity



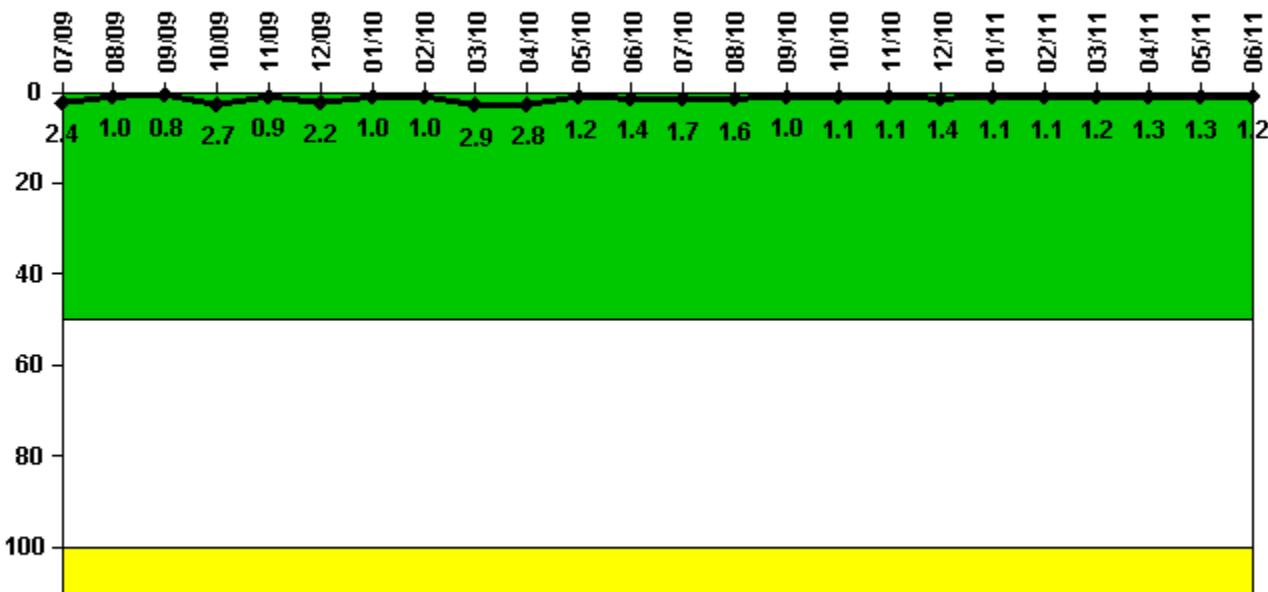
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum activity	0.000436	0.000356	0.000354	0.000454	0.000486	0.000461	0.000542	0.000513	0.000880	0.000150	0.000192	0.000212
Technical specification limit	3.5	3.5	3.5	3.5	3.5	3.5	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	0	0	0.1	0.1	0.1	0	0	0
Reactor Coolant System Activity	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum activity	0.000231	0.000220	0.000307	0.000313	0.000372	0.000279	0.000301	0.000358	0.000354	0.000305	0.000300	0.000227
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	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

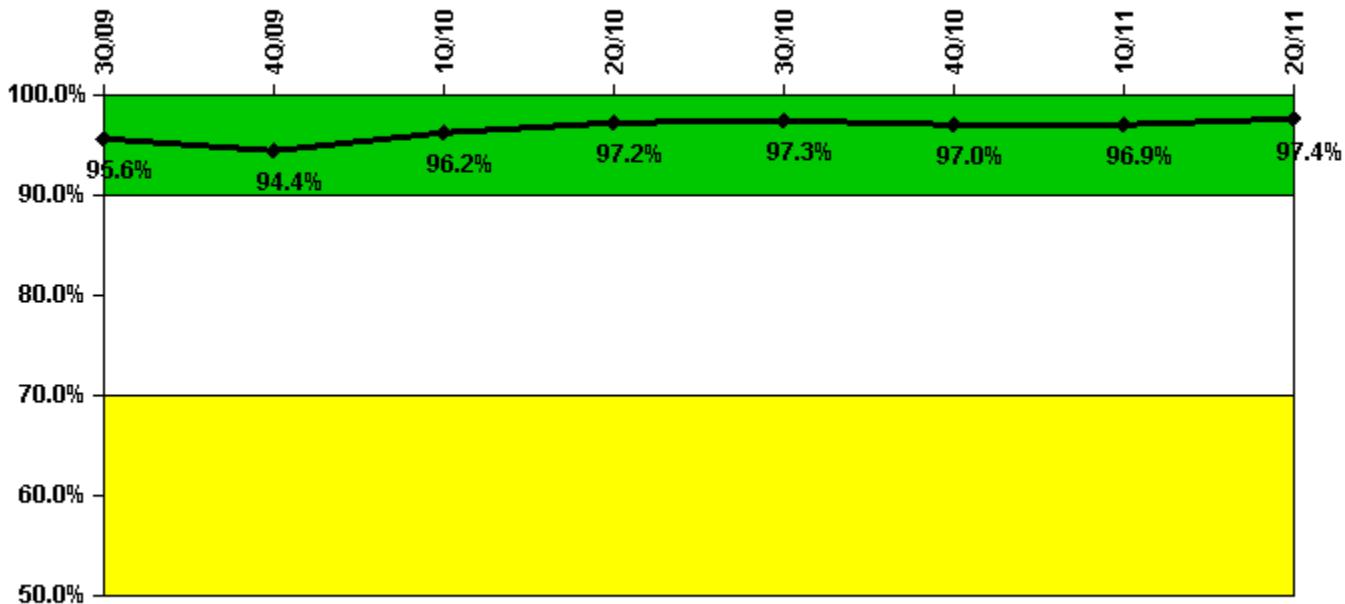
Notes

Reactor Coolant System Leakage	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum leakage	0.239	0.101	0.080	0.268	0.089	0.221	0.098	0.096	0.285	0.281	0.119	0.141
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	2.4	1.0	0.8	2.7	0.9	2.2	1.0	1.0	2.9	2.8	1.2	1.4
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	0.166	0.158	0.100	0.109	0.113	0.141	0.114	0.114	0.116	0.125	0.127	0.118
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	1.7	1.6	1.0	1.1	1.1	1.4	1.1	1.1	1.2	1.3	1.3	1.2

Licensee Comments:

6/11: Total Leakage is being reported in lieu of Identified Leakage.

Drill/Exercise Performance



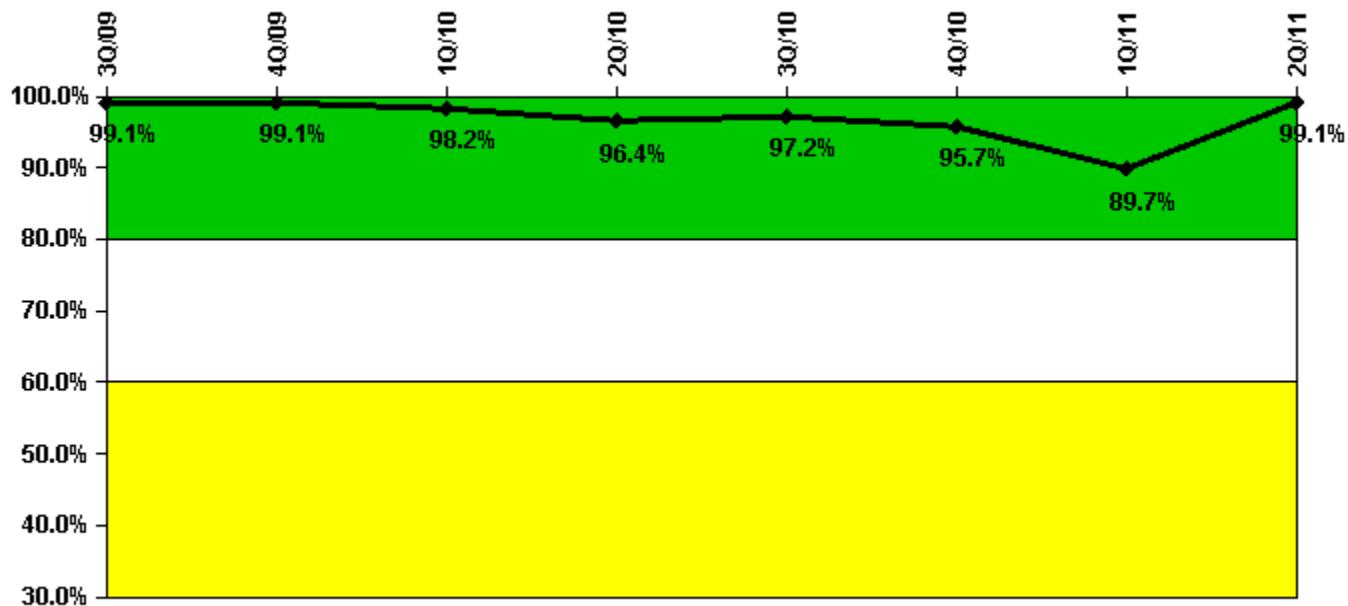
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful opportunities	15.0	19.0	23.0	26.0	35.0	17.0	11.0	40.0
Total opportunities	15.0	22.0	23.0	26.0	35.0	18.0	11.0	41.0
Indicator value	95.6%	94.4%	96.2%	97.2%	97.3%	97.0%	96.9%	97.4%

Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

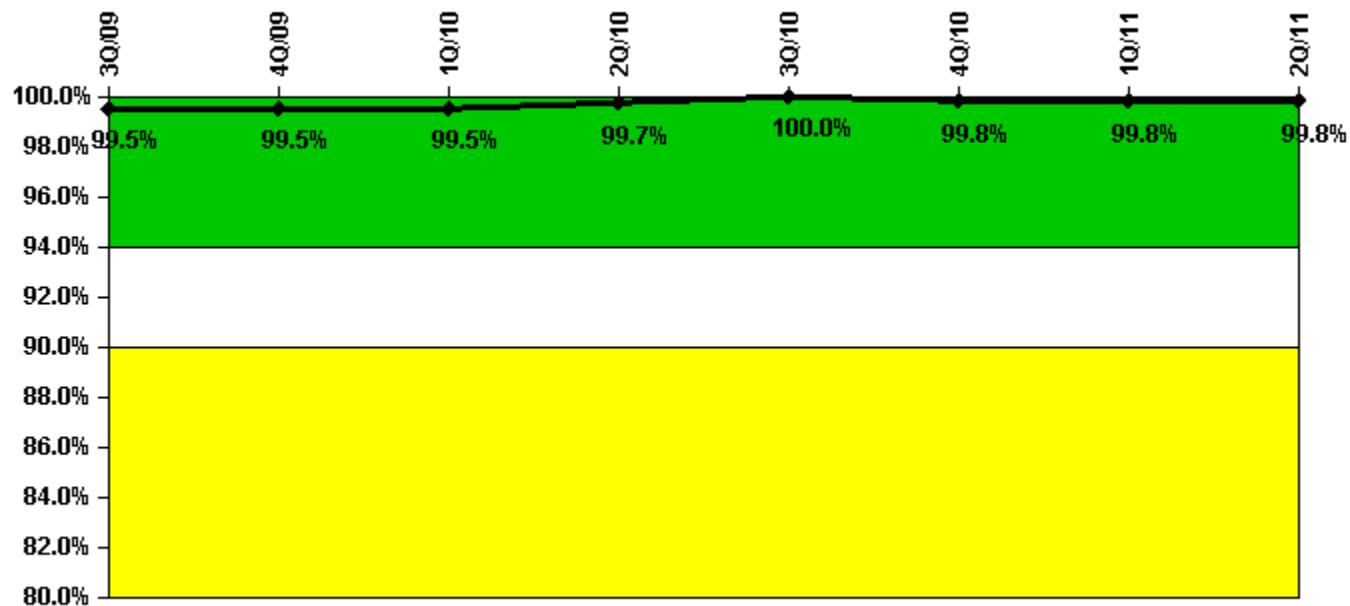
Notes

ERO Drill Participation	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Participating Key personnel	111.0	112.0	112.0	106.0	106.0	110.0	105.0	114.0
Total Key personnel	112.0	113.0	114.0	110.0	109.0	115.0	117.0	115.0
Indicator value	99.1%	99.1%	98.2%	96.4%	97.2%	95.7%	89.7%	99.1%

Licensee Comments:

2Q/11: In the 2nd Quarter 2011, Emergency Planning determined that 3 historical ERO drills were not eligible to be counted as performance indicator drills. As a result, credit for historical ERO drill participation was removed for several ERO members. This resulted in data revisions to the ERO Drill Participation PI from the 3rd Quarter 2009 to the 1st Quarter 2011. These revisions did not change the ERO Drill Participation PI color for these periods.

Alert & Notification System



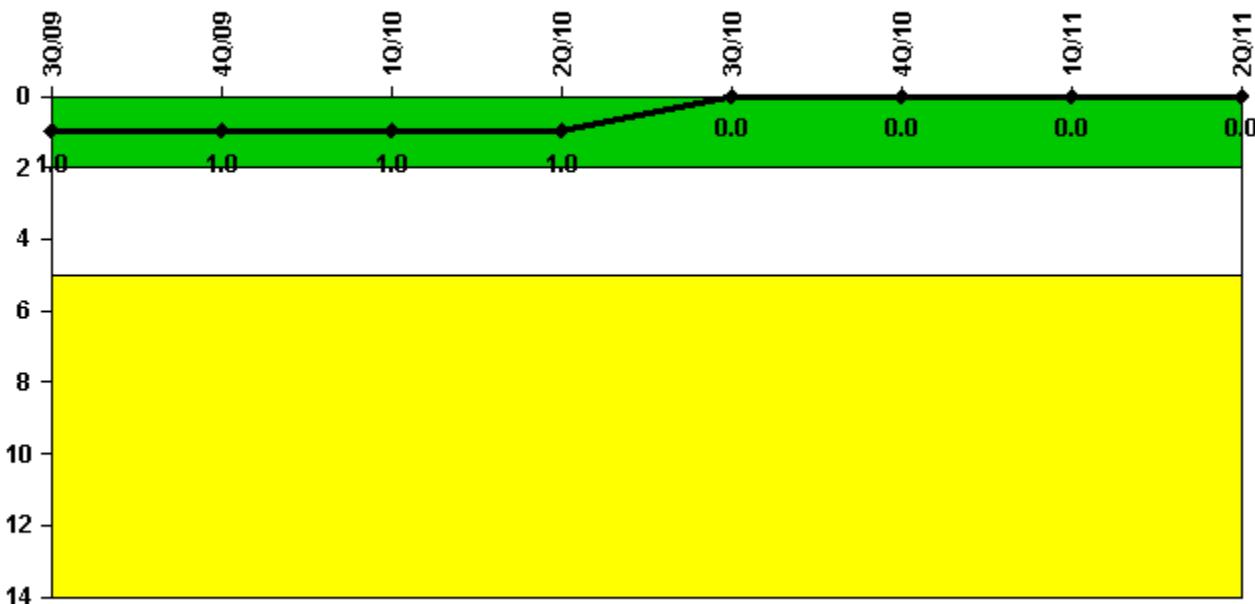
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful siren-tests	145	147	147	147	147	146	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.5%	99.5%	99.5%	99.7%	100.0%	99.8%	99.8%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



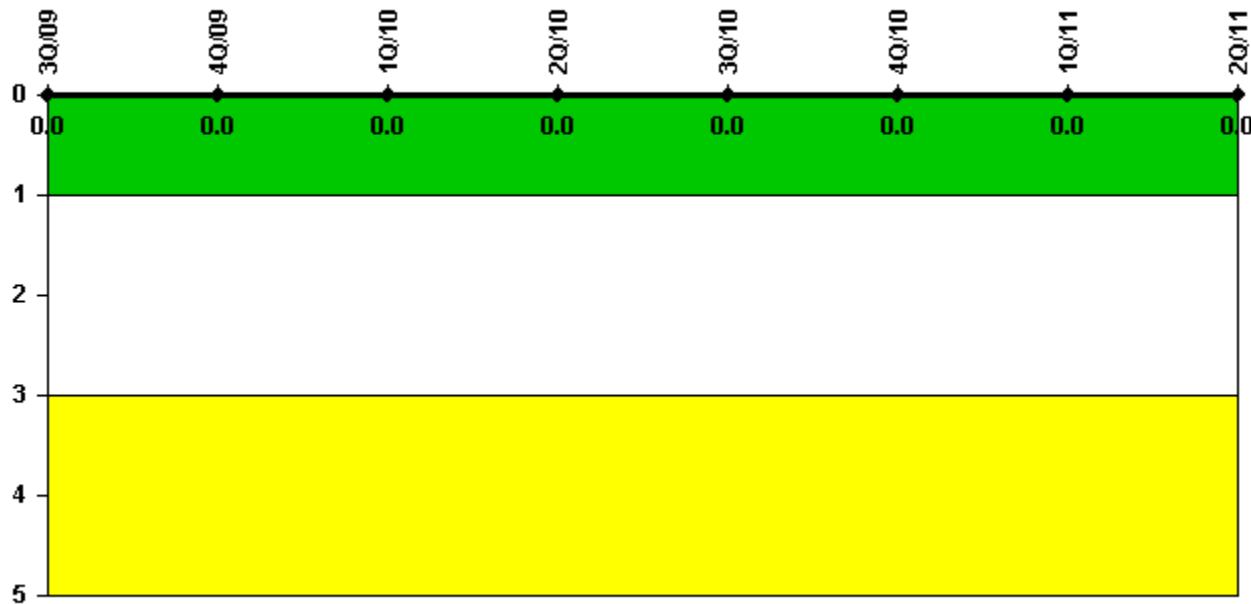
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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](#)

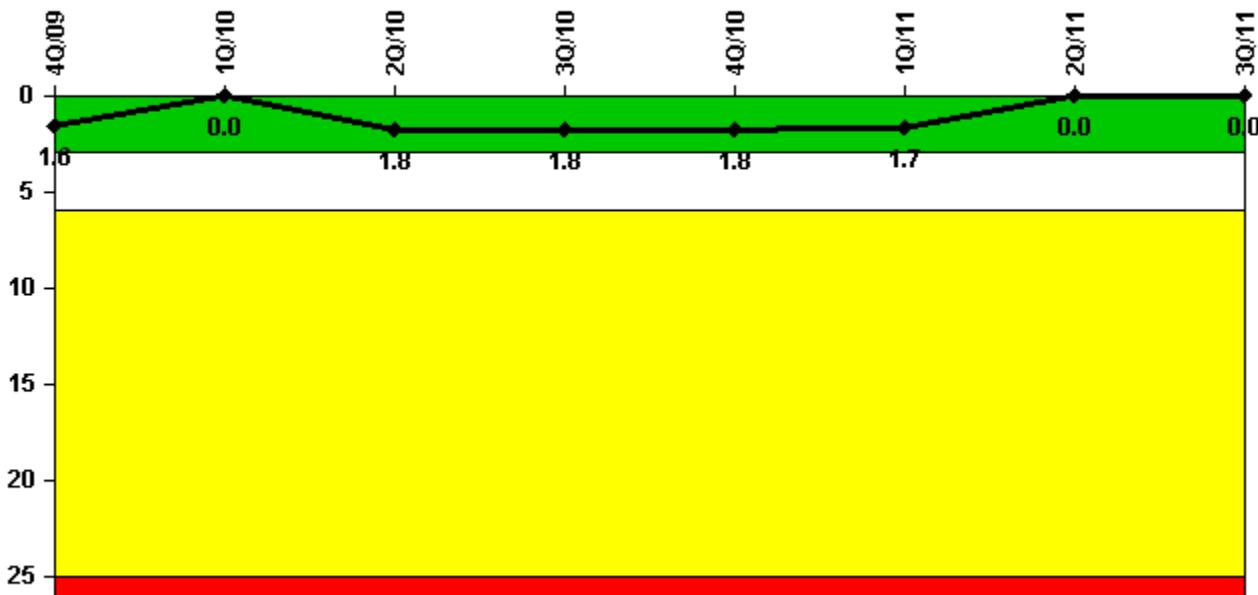
Last Modified: July 22, 2011

Arkansas Nuclear 1

3Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



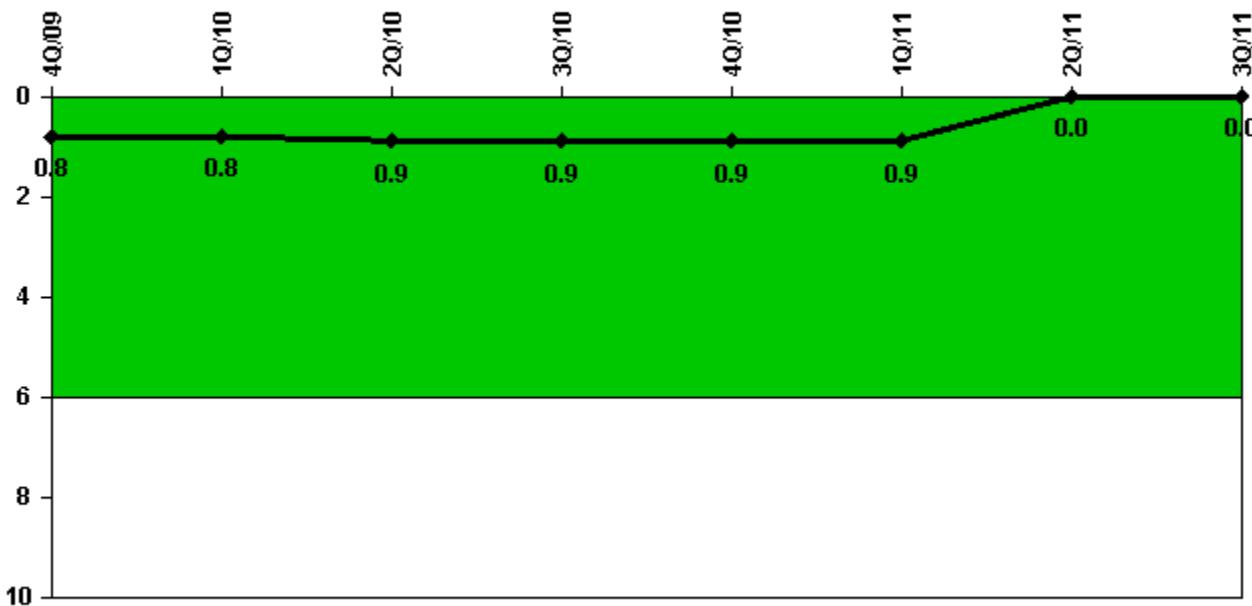
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	2.0	0	0	0	0	0
Critical hours	2209.0	1903.0	1611.9	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	1.6	0	1.8	1.8	1.8	1.7	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



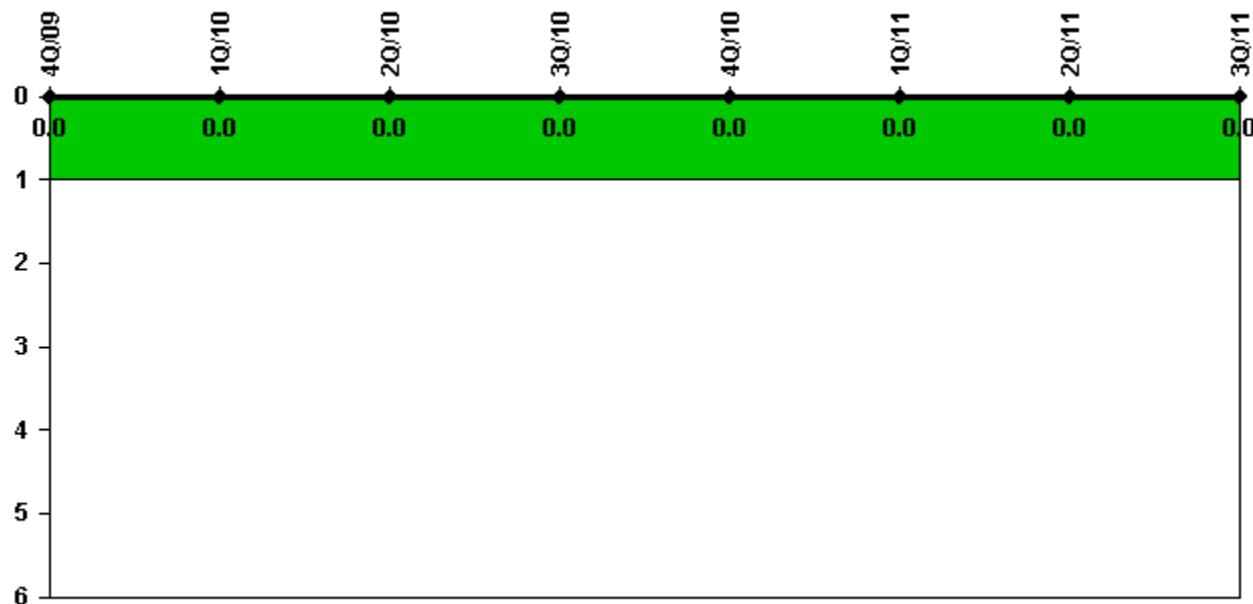
Thresholds: White > 6.0

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	0	0	1.0	0	0	0	0	0
Critical hours	2209.0	1903.0	1611.9	2208.0	2209.0	2159.0	2184.0	2208.0
Indicator value	0.8	0.8	0.9	0.9	0.9	0.9	0	0

Licensee Comments: none

Unplanned Scrams with Complications



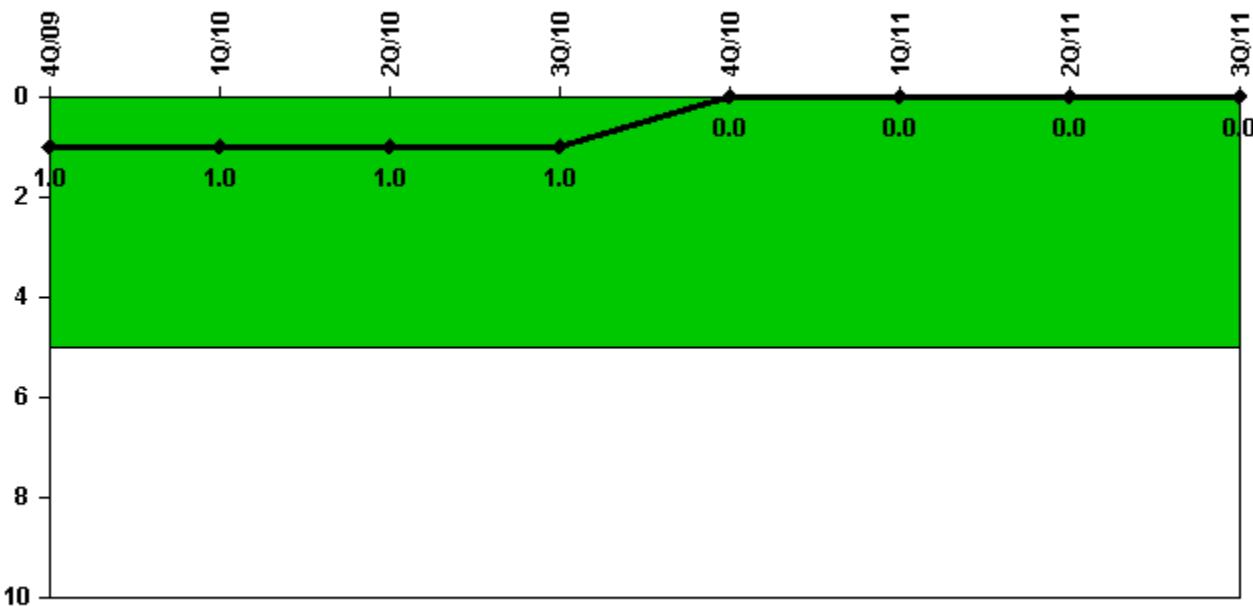
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



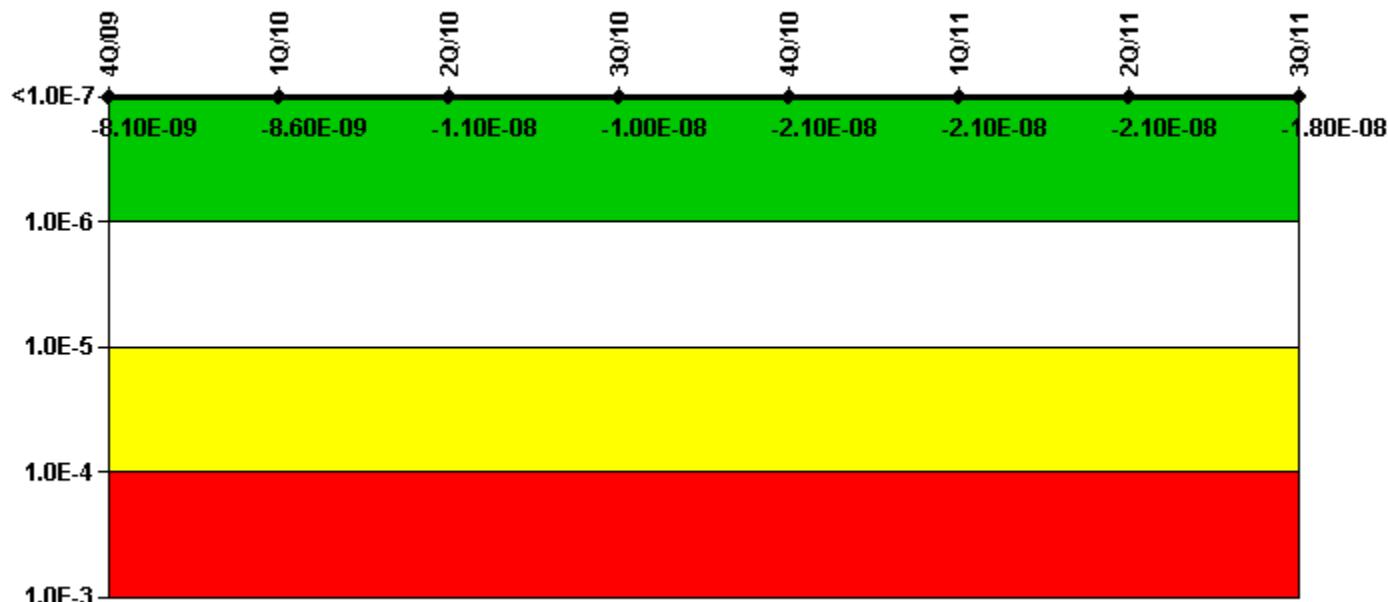
Thresholds: White > 5.0

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



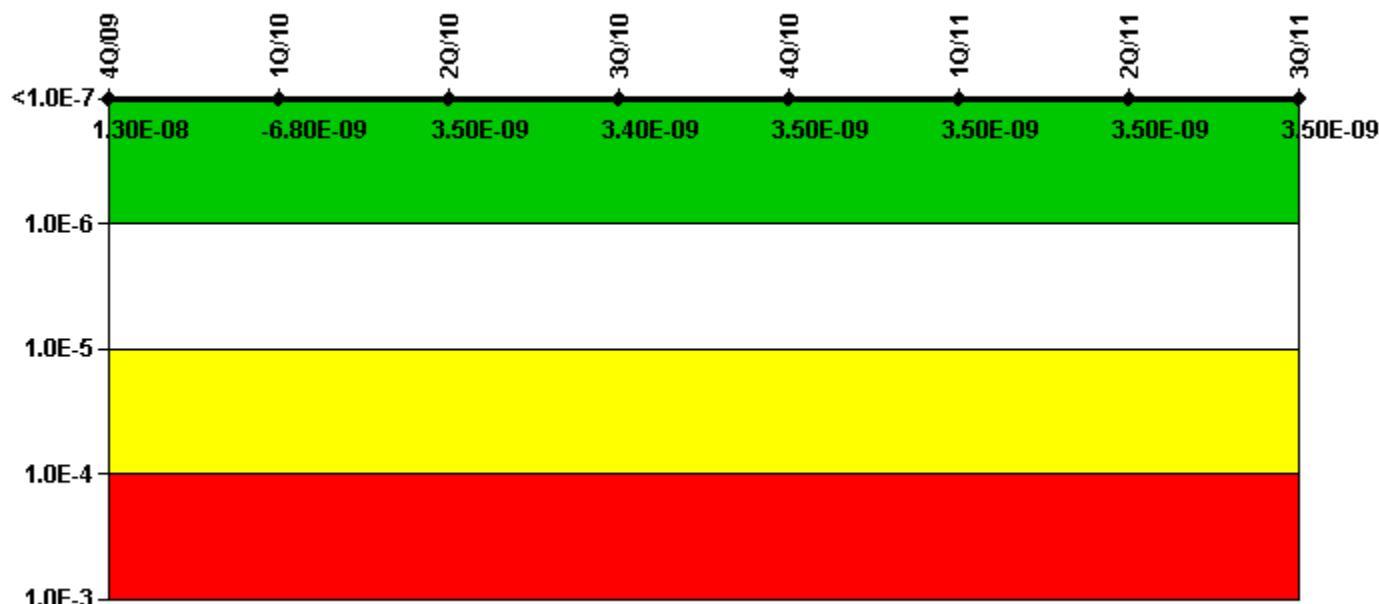
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	1.90E-09	1.27E-09	-2.11E-09	-2.11E-09	-2.38E-09	-2.38E-09	-2.38E-09	1.00E-09
URI (Δ CDF)	-1.00E-08	-9.84E-09	-8.78E-09	-8.22E-09	-1.82E-08	-1.82E-08	-1.83E-08	-1.90E-08
PLE	NO							
Indicator value	-8.10E-09	-8.60E-09	-1.10E-08	-1.00E-08	-2.10E-08	-2.10E-08	-2.10E-08	-1.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



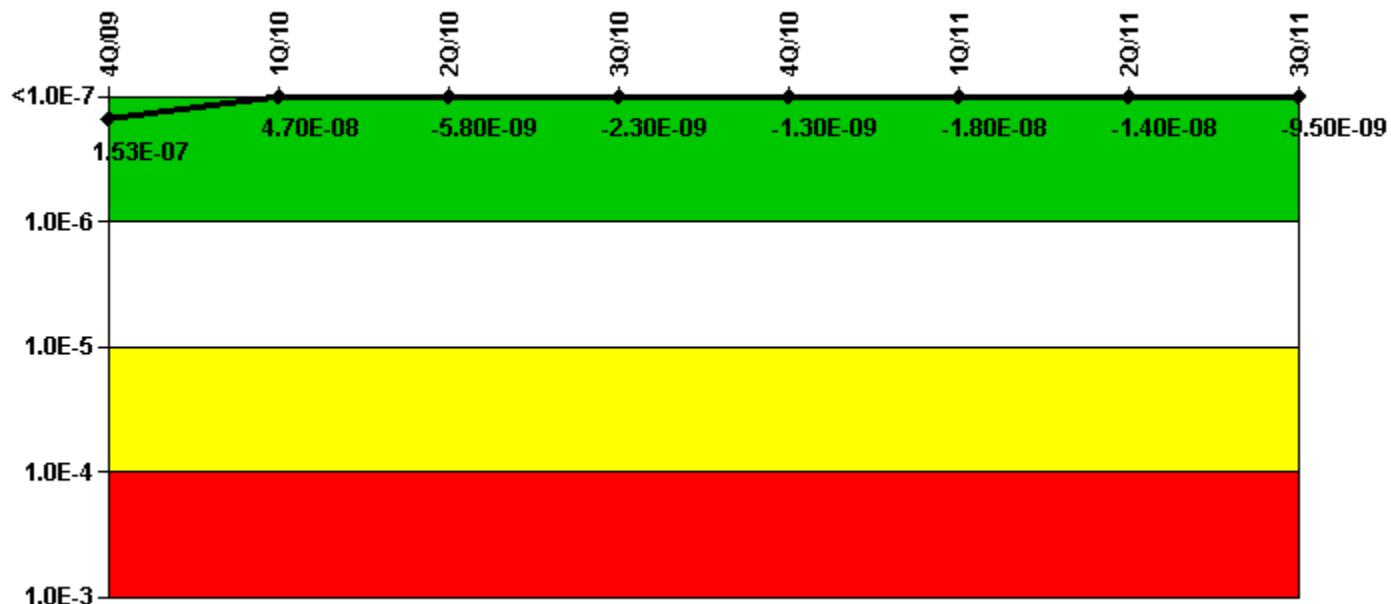
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	3.20E-08	2.12E-11	2.13E-11	1.78E-11	-4.47E-12	-4.45E-12	-4.45E-12	8.63E-13
URI (Δ CDF)	-1.90E-08	-6.81E-09	3.46E-09	3.40E-09	3.54E-09	3.54E-09	3.51E-09	3.46E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.30E-08	-6.80E-09	3.50E-09	3.40E-09	3.50E-09	3.50E-09	3.50E-09	3.50E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



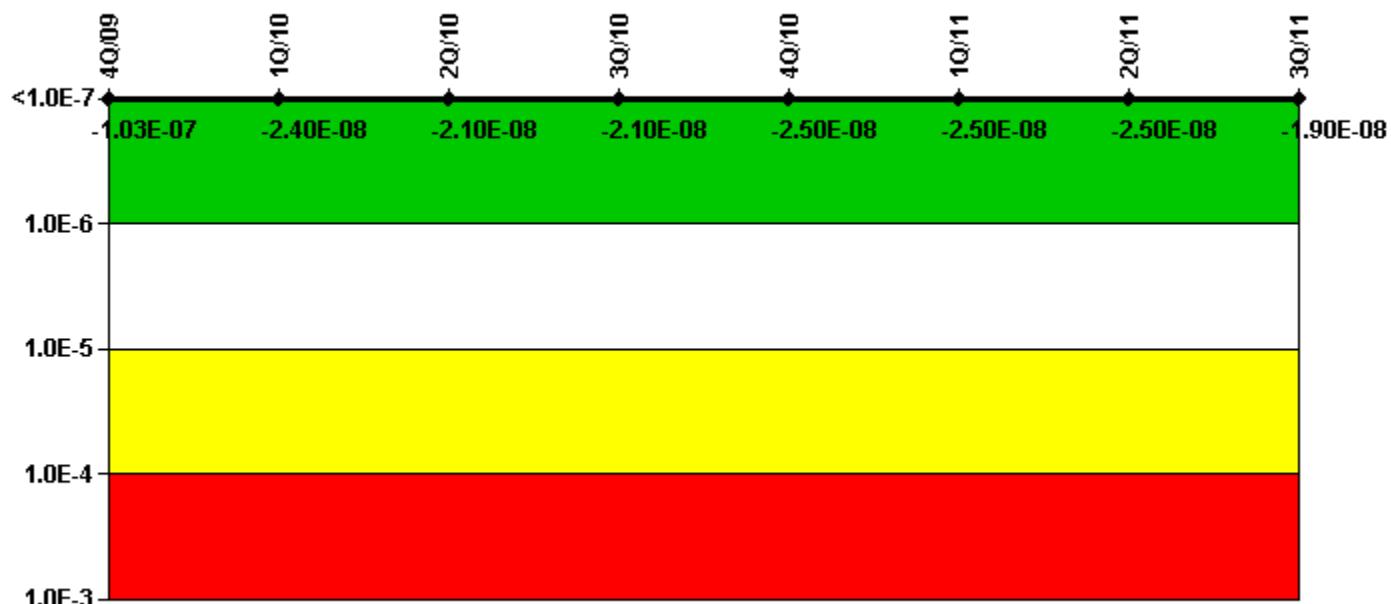
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	9.30E-08	2.70E-08	1.94E-08	2.47E-08	2.60E-08	9.71E-09	1.31E-08	1.77E-08
URI (Δ CDF)	6.00E-08	2.03E-08	-2.51E-08	-2.69E-08	-2.73E-08	-2.73E-08	-2.72E-08	-2.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.53E-07	4.70E-08	-5.80E-09	-2.30E-09	-1.30E-09	-1.80E-08	-1.40E-08	-9.50E-09

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



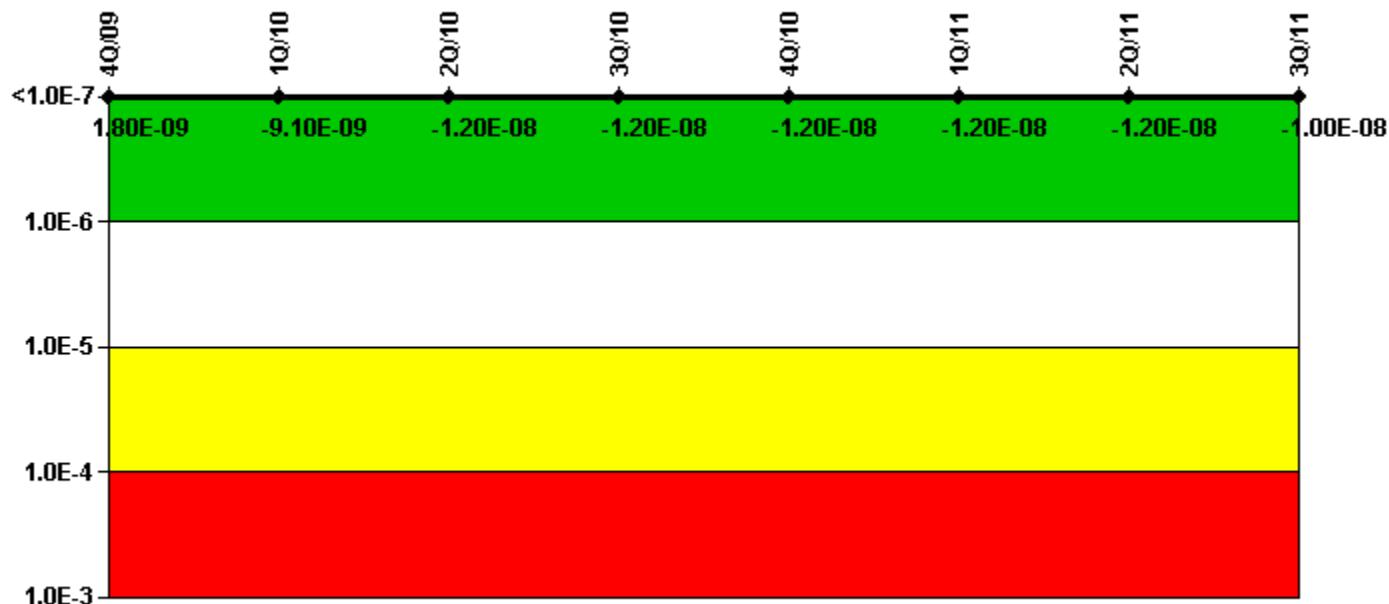
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	-2.50E-09	1.52E-08	1.54E-08	1.55E-08	1.13E-08	1.14E-08	1.14E-08	1.79E-08
URI (Δ CDF)	-1.00E-07	-3.90E-08	-3.67E-08	-3.65E-08	-3.65E-08	-3.65E-08	-3.65E-08	-3.65E-08
PLE	NO							
Indicator value	-1.03E-07	-2.40E-08	-2.10E-08	-2.10E-08	-2.50E-08	-2.50E-08	-2.50E-08	-1.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

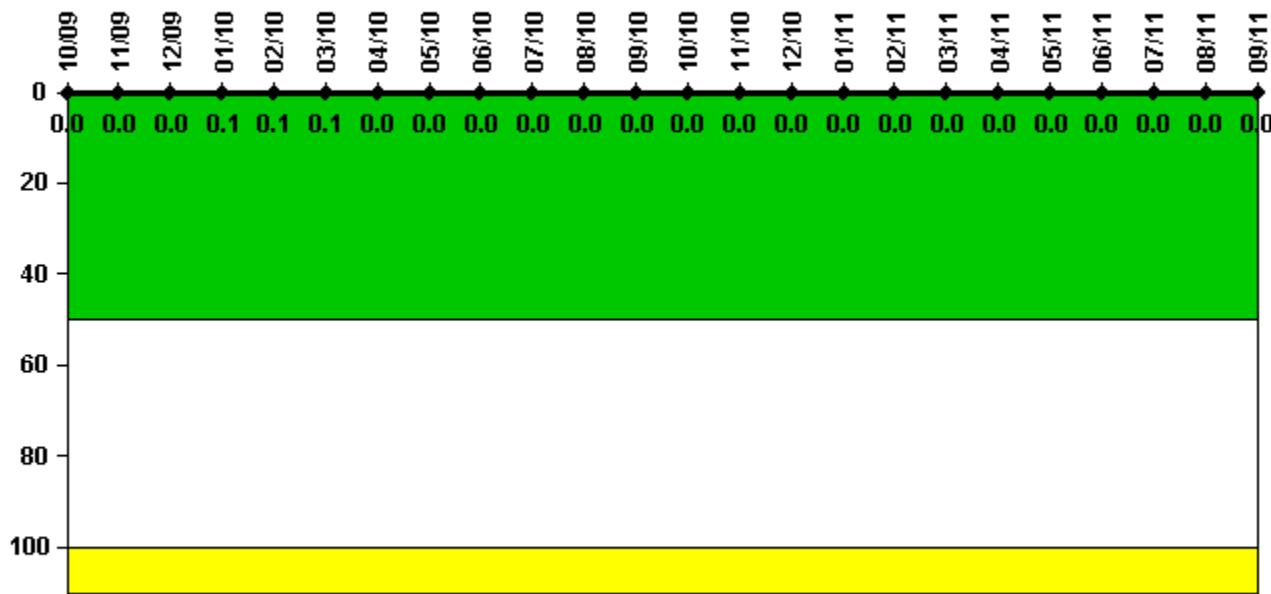
Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (Δ CDF)	-2.00E-09	-4.23E-09	-4.22E-09	-4.22E-09	-4.22E-09	-4.22E-09	-4.22E-09	-2.74E-09
URI (Δ CDF)	3.80E-09	-4.84E-09	-7.28E-09	-7.30E-09	-7.30E-09	-7.30E-09	-7.31E-09	-7.31E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.80E-09	-9.10E-09	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.00E-08

Licensee Comments:

3Q/11: As of the 3rd Quarter 2011 reporting period, the ANO-1 MSPI Basis Document was revised. The MSPI Cooling Water System is now defined as a two train system with a swing pump, instead of the previously defined multi-segment system.

Reactor Coolant System Activity



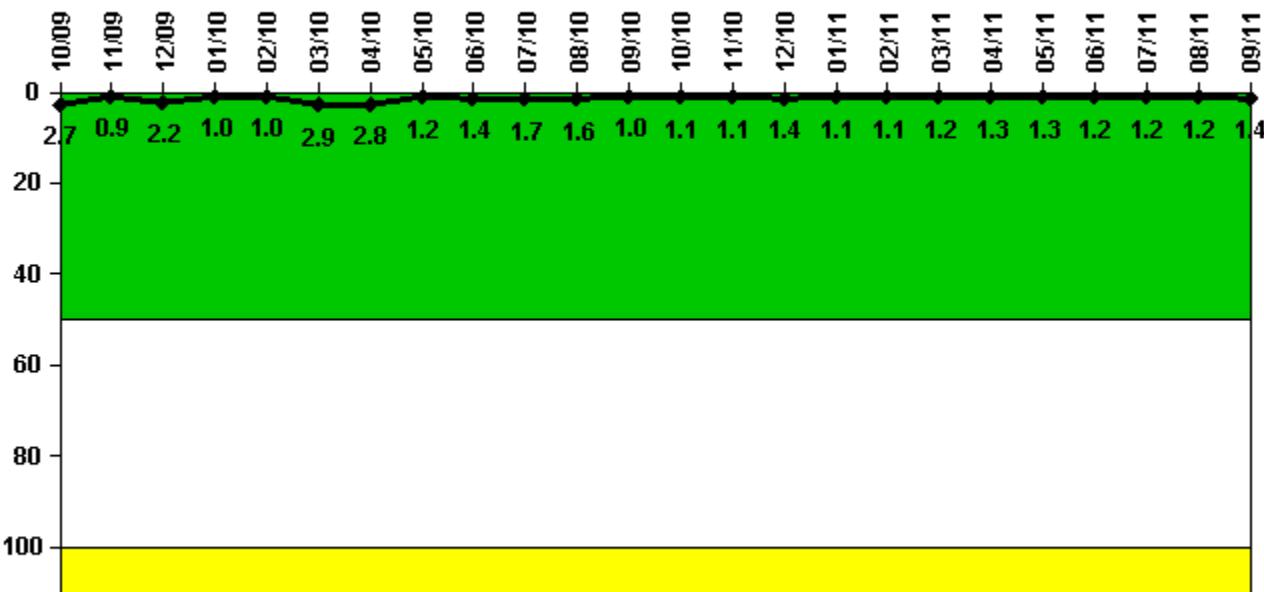
Thresholds: White > 50.0 Yellow > 100.0

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	0.000454	0.000486	0.000461	0.000542	0.000513	0.000880	0.000150	0.000192	0.000212	0.000231	0.000220	0.000307
Technical specification limit	3.5	3.5	3.5	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	0.1	0.1	0	0	0	0	0	0
Reactor Coolant System Activity	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum activity	0.000313	0.000372	0.000279	0.000301	0.000358	0.000354	0.000305	0.000300	0.000227	0.000226	0.000182	0.000268
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	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

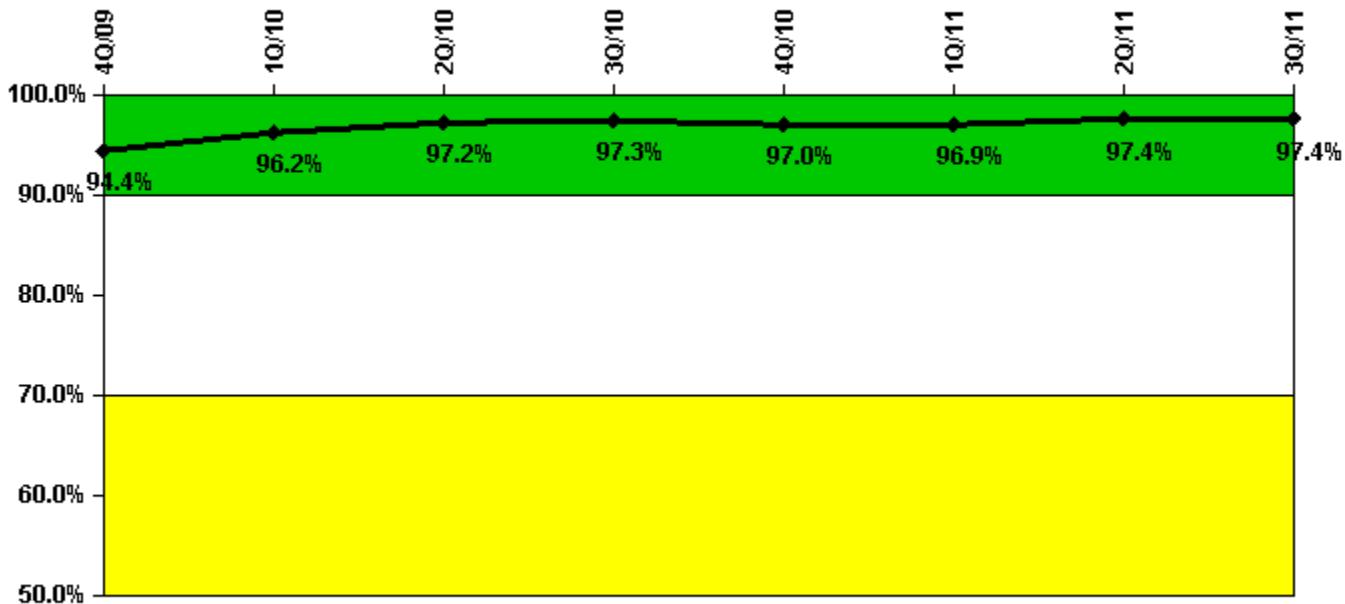
Notes

Reactor Coolant System Leakage	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10
Maximum leakage	0.268	0.089	0.221	0.098	0.096	0.285	0.281	0.119	0.141	0.166	0.158	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	2.7	0.9	2.2	1.0	1.0	2.9	2.8	1.2	1.4	1.7	1.6	1.0
Reactor Coolant System Leakage	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum leakage	0.109	0.113	0.141	0.114	0.114	0.116	0.125	0.127	0.118	0.116	0.124	0.143
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	1.1	1.4	1.1	1.1	1.2	1.3	1.3	1.2	1.2	1.2	1.4

Licensee Comments:

9/11: Total Leakage is being reported in lieu of Identified Leakage.

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

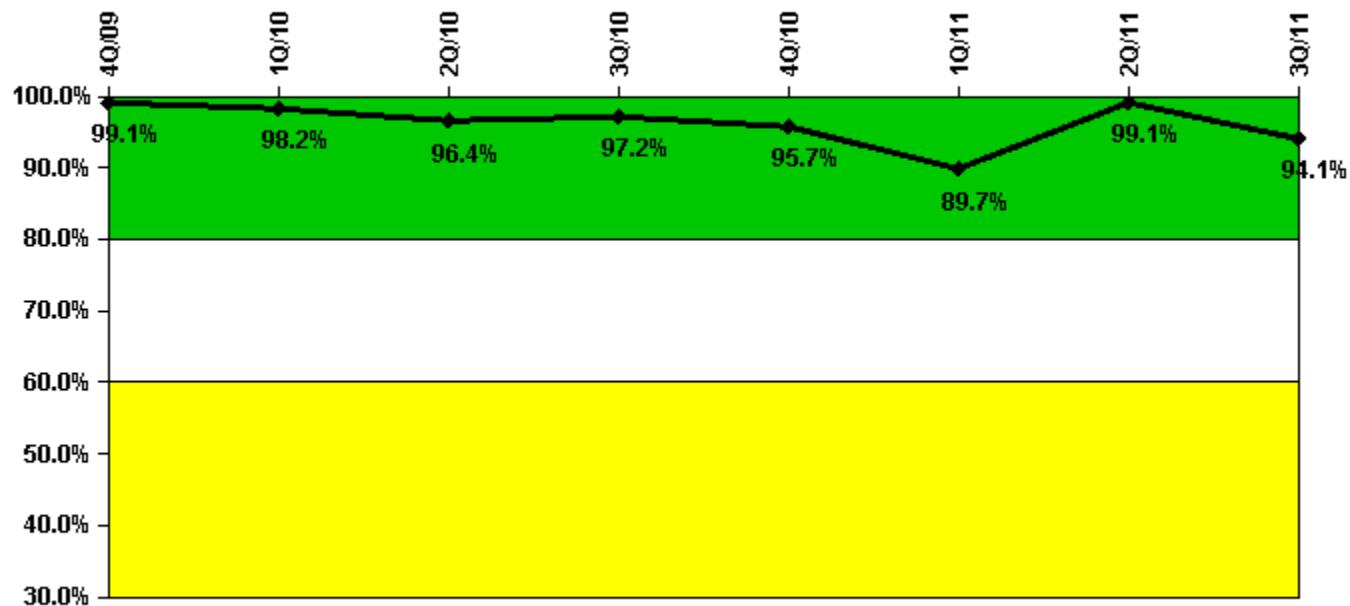
Drill/Exercise Performance	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful opportunities	19.0	23.0	26.0	35.0	17.0	11.0	39.0	17.0
Total opportunities	22.0	23.0	26.0	35.0	18.0	11.0	40.0	17.0
Indicator value	94.4%	96.2%	97.2%	97.3%	97.0%	96.9%	97.4%	97.4%

Licensee Comments:

3Q/11: The April 2011 ERO Drill Exercise Performance was revised with the 3rd quarter 2011 submittal. April Successful Drills and Total Drills were reduced from 11 each, to 10 each. This revision does not affect the indicator color.

2Q/11: The April 2011 ERO Drill Exercise Performance was revised with the 3rd quarter 2011 submittal. April Successful Drills and Total Drills were reduced from 11 each, to 10 each. This revision does not affect the indicator color.

ERO Drill Participation



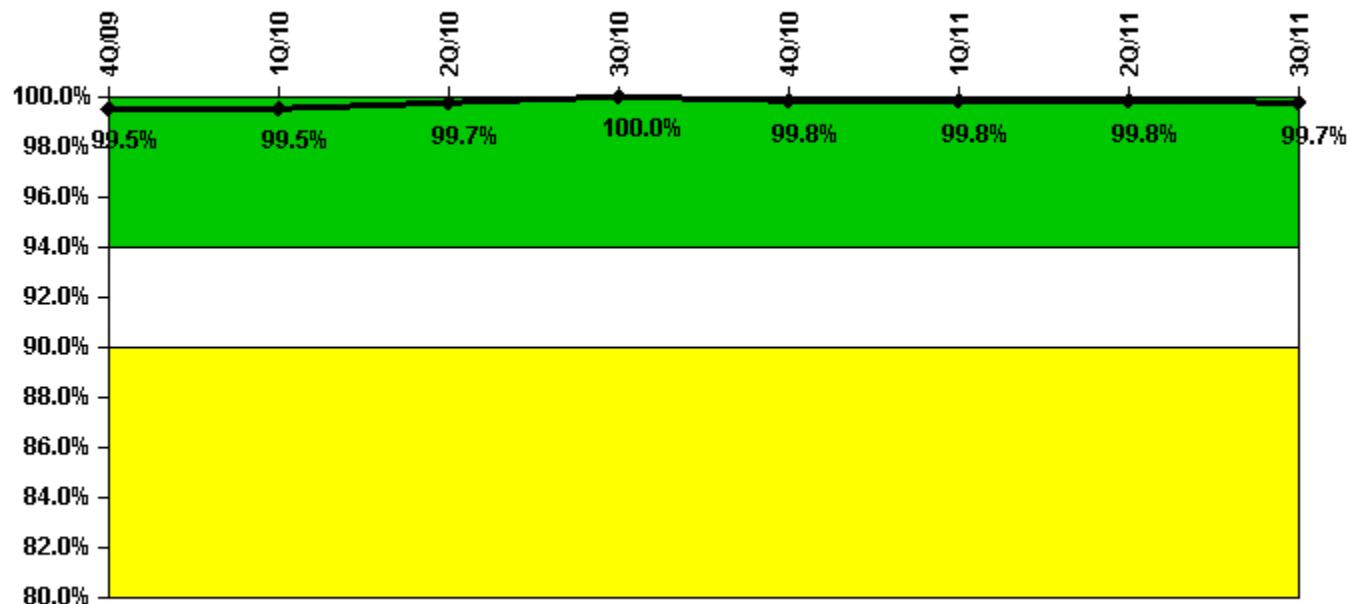
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Participating Key personnel	112.0	112.0	106.0	106.0	110.0	105.0	114.0	111.0
Total Key personnel	113.0	114.0	110.0	109.0	115.0	117.0	115.0	118.0
Indicator value	99.1%	98.2%	96.4%	97.2%	95.7%	89.7%	99.1%	94.1%

Licensee Comments: none

Alert & Notification System



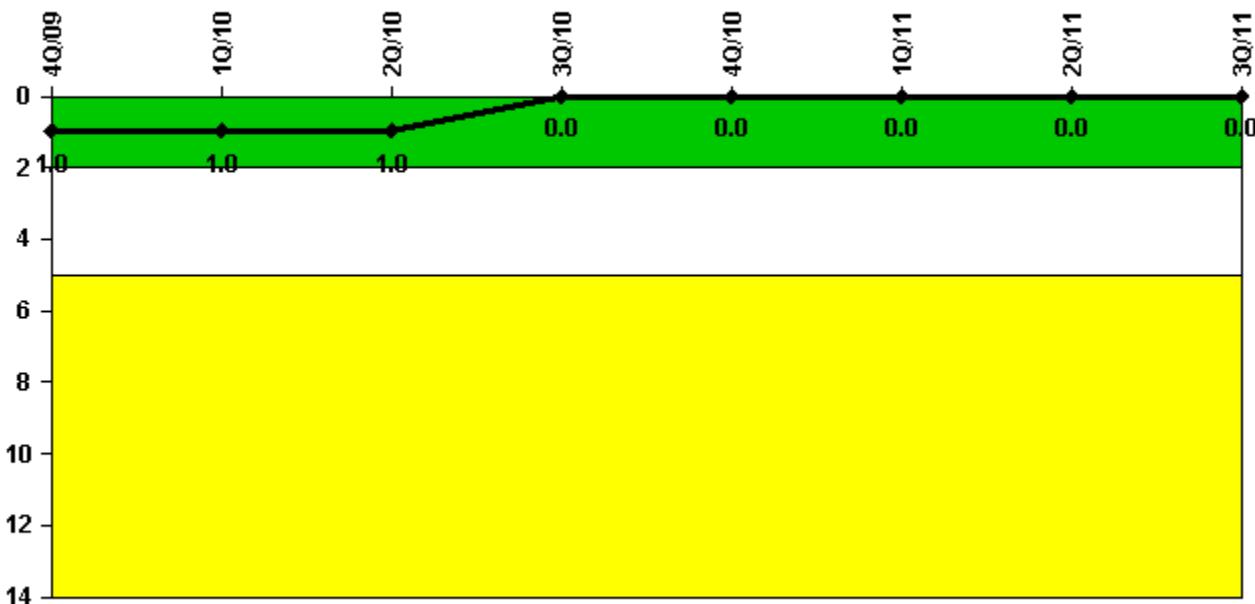
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Successful siren-tests	147	147	147	147	146	147	147	146
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.5%	99.5%	99.7%	100.0%	99.8%	99.8%	99.8%	99.7%

Licensee Comments: none

Occupational Exposure Control Effectiveness



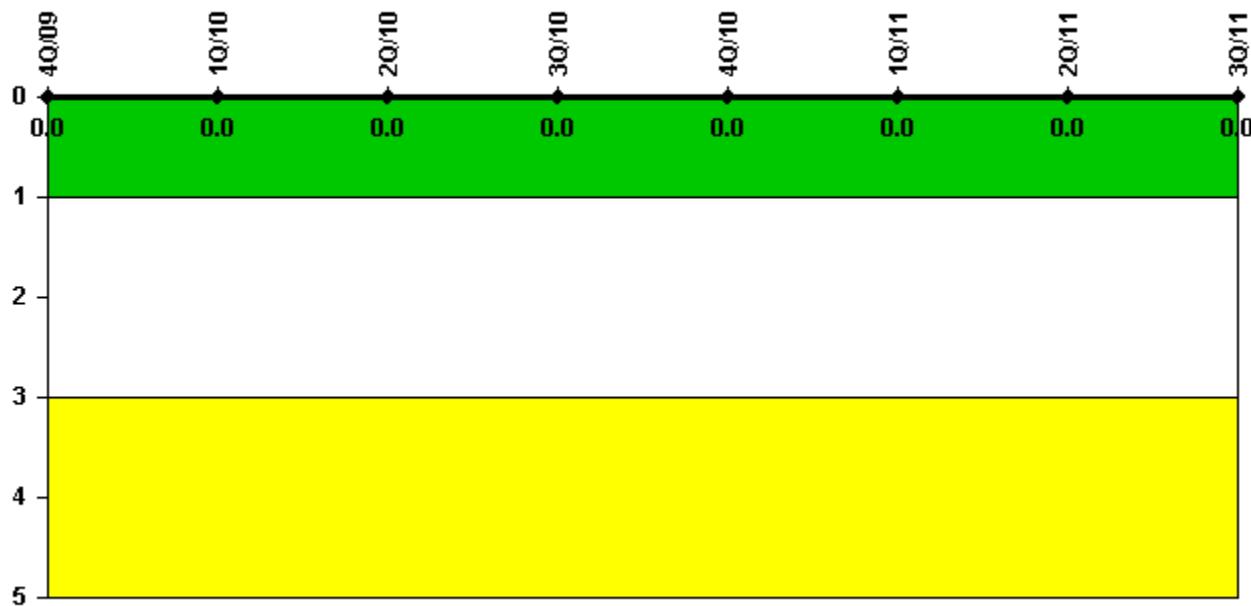
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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	1	1	1	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

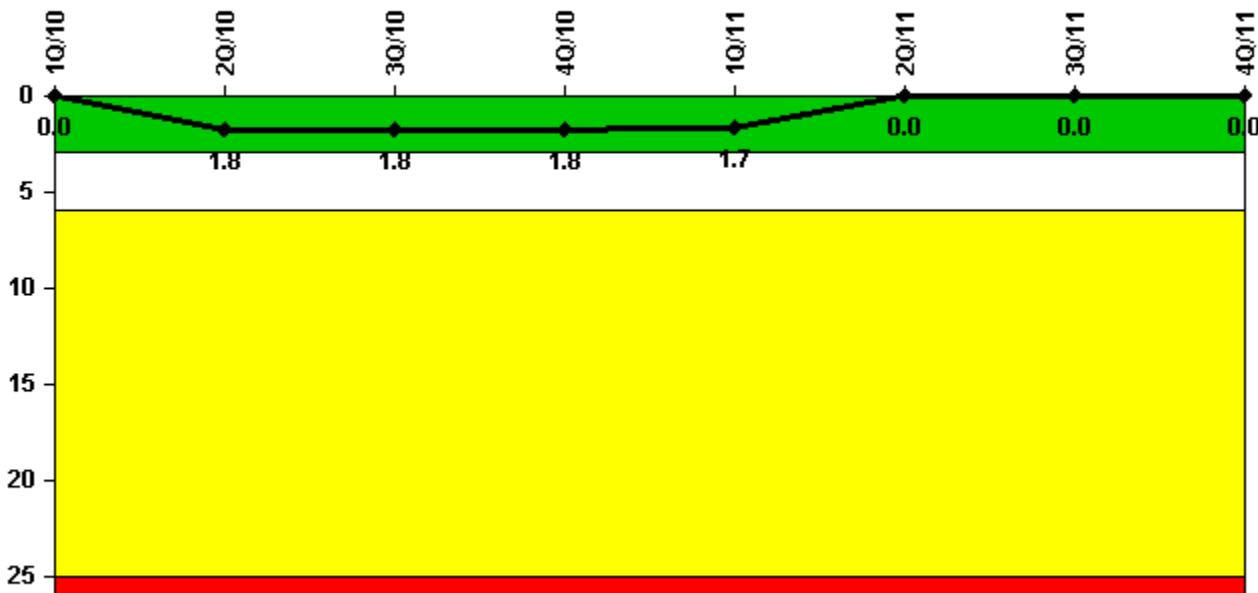
[Security](#) information not publicly available.

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4Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



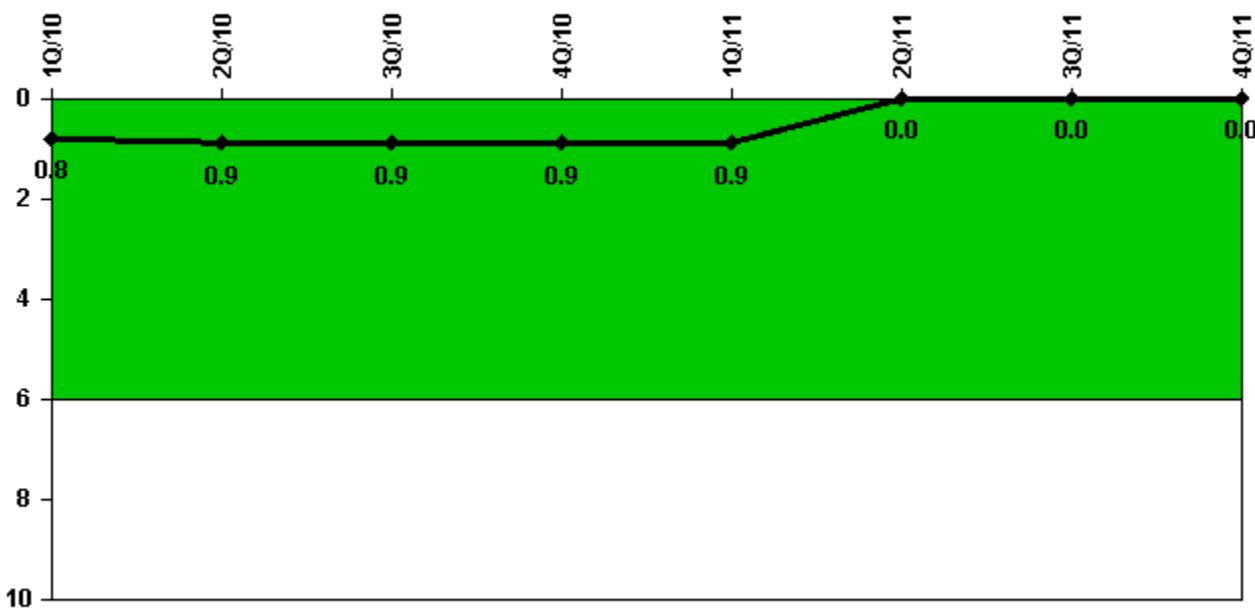
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0	0	0	0	0	0
Critical hours	1903.0	1611.9	2208.0	2209.0	2159.0	2184.0	2208.0	1350.0
Indicator value	0	1.8	1.8	1.8	1.7	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



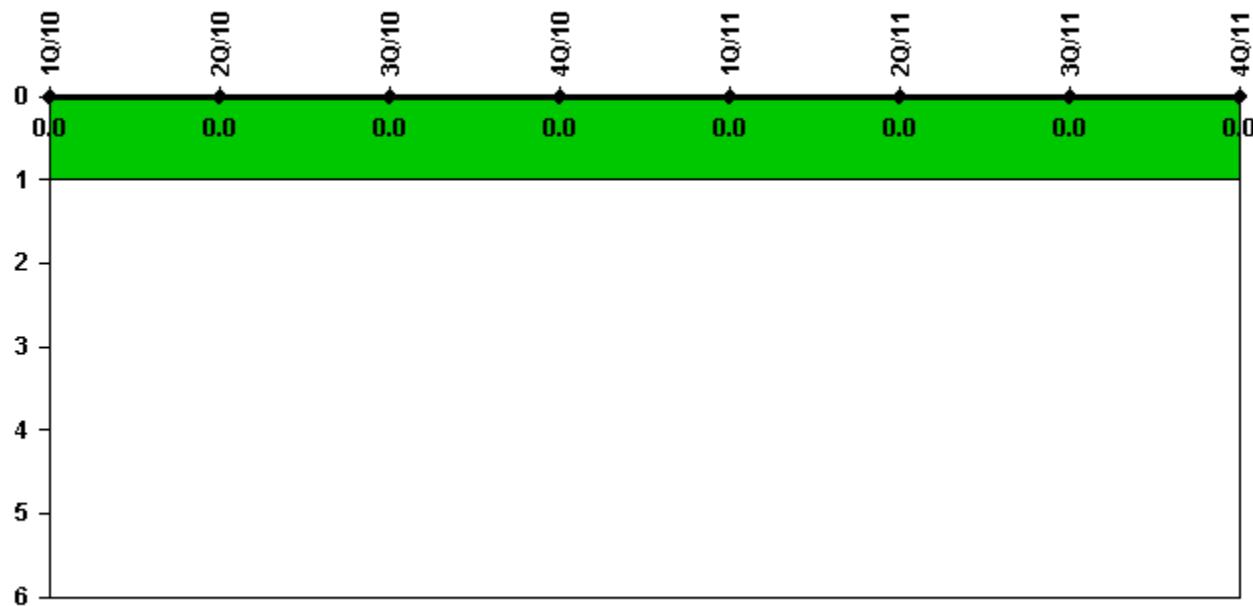
Thresholds: White > 6.0

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	0	1.0	0	0	0	0	0	0
Critical hours	1903.0	1611.9	2208.0	2209.0	2159.0	2184.0	2208.0	1350.0
Indicator value	0.8	0.9	0.9	0.9	0.9	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



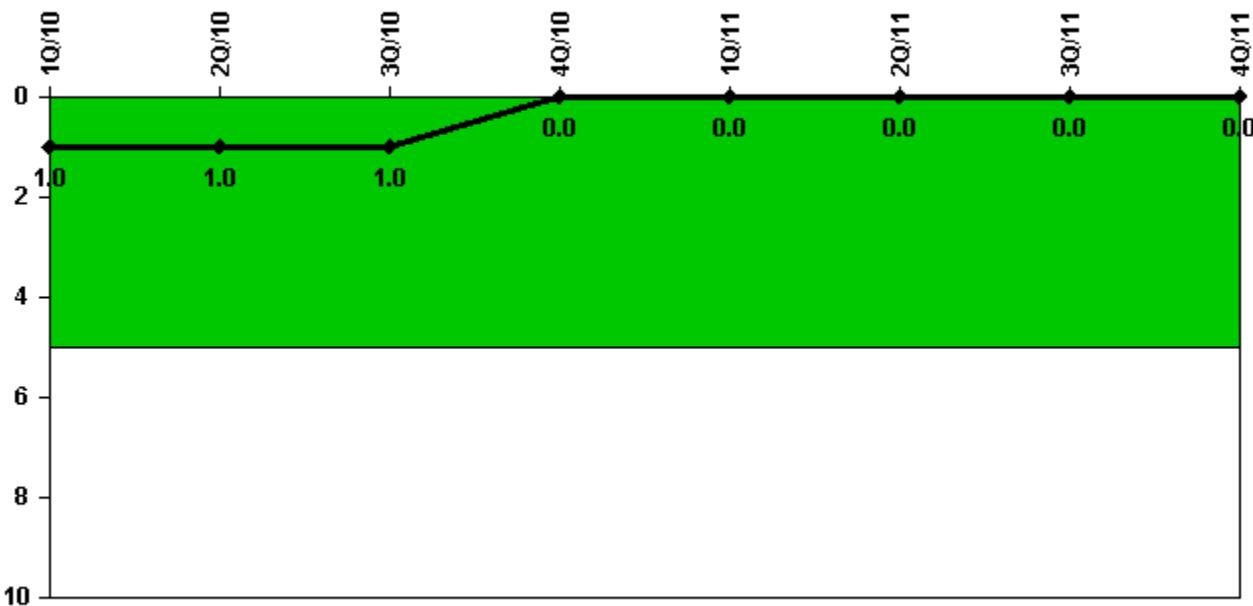
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	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)



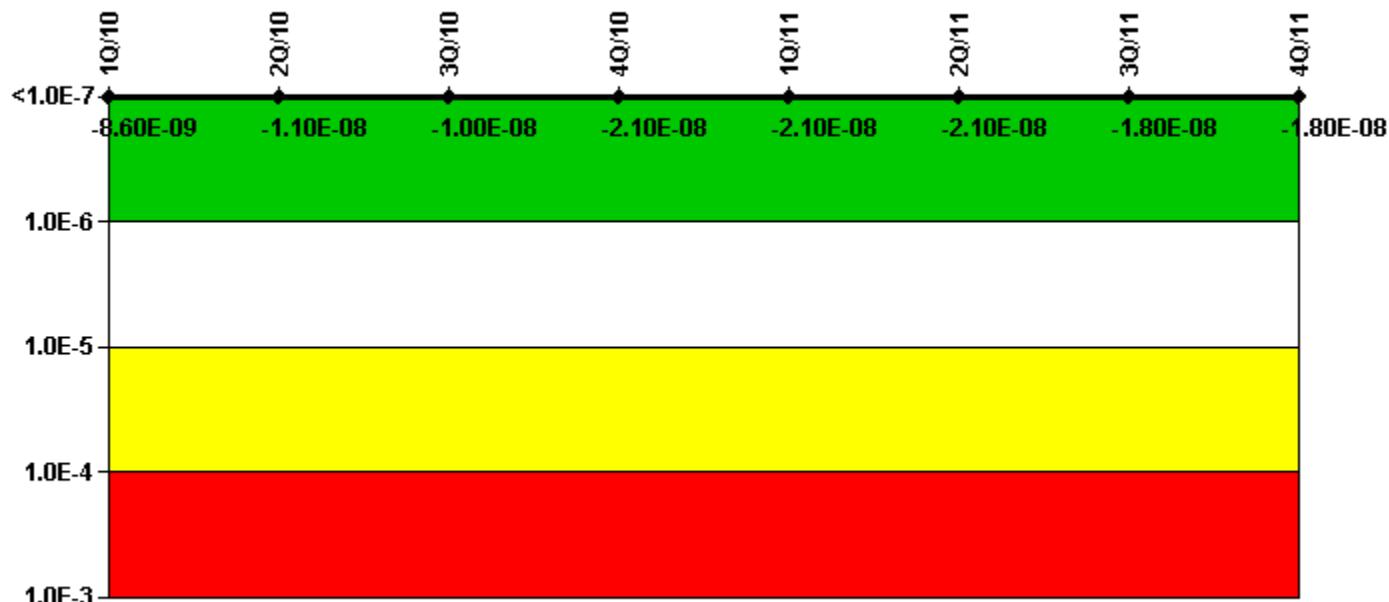
Thresholds: White > 5.0

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



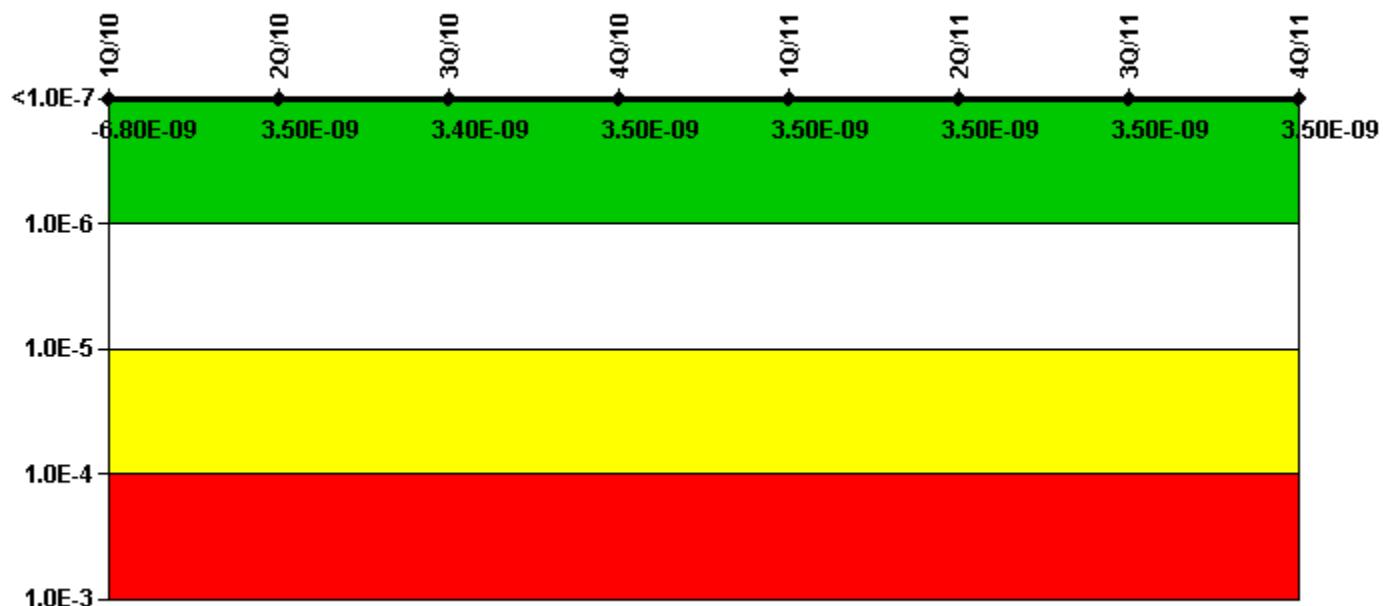
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	1.27E-09	-2.11E-09	-2.11E-09	-2.38E-09	-2.38E-09	-2.38E-09	1.00E-09	8.20E-10
URI (Δ CDF)	-9.84E-09	-8.78E-09	-8.22E-09	-1.82E-08	-1.82E-08	-1.83E-08	-1.90E-08	-1.91E-08
PLE	NO							
Indicator value	-8.60E-09	-1.10E-08	-1.00E-08	-2.10E-08	-2.10E-08	-2.10E-08	-1.80E-08	-1.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



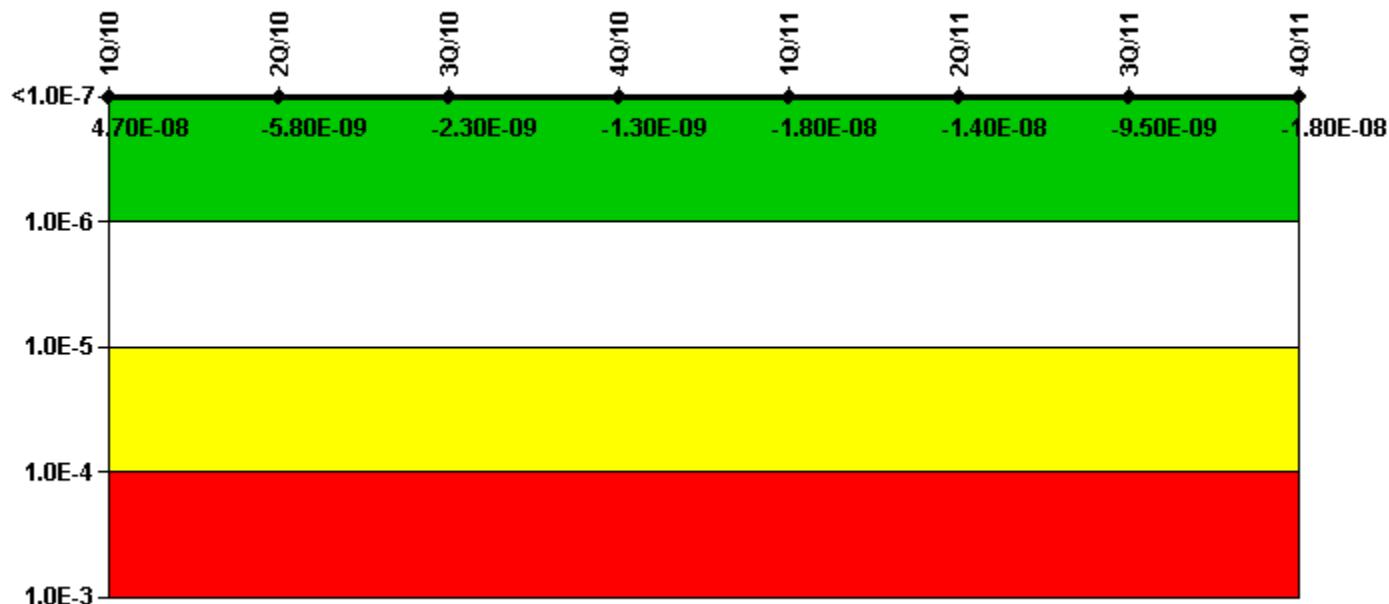
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	2.12E-11	2.13E-11	1.78E-11	-4.47E-12	-4.45E-12	-4.45E-12	8.63E-13	4.87E-13
URI (Δ CDF)	-6.81E-09	3.46E-09	3.40E-09	3.54E-09	3.54E-09	3.51E-09	3.46E-09	3.51E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.80E-09	3.50E-09	3.40E-09	3.50E-09	3.50E-09	3.50E-09	3.50E-09	3.50E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



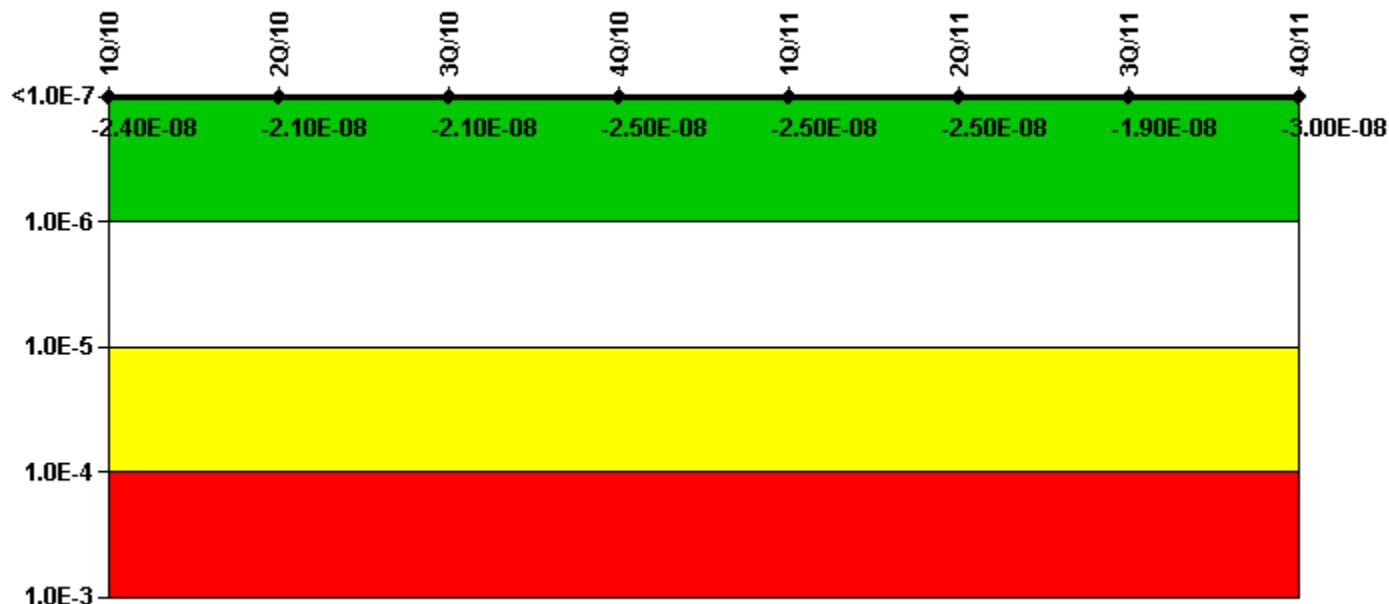
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	2.70E-08	1.94E-08	2.47E-08	2.60E-08	9.71E-09	1.31E-08	1.77E-08	8.94E-09
URI (Δ CDF)	2.03E-08	-2.51E-08	-2.69E-08	-2.73E-08	-2.73E-08	-2.72E-08	-2.71E-08	-2.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.70E-08	-5.80E-09	-2.30E-09	-1.30E-09	-1.80E-08	-1.40E-08	-9.50E-09	-1.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



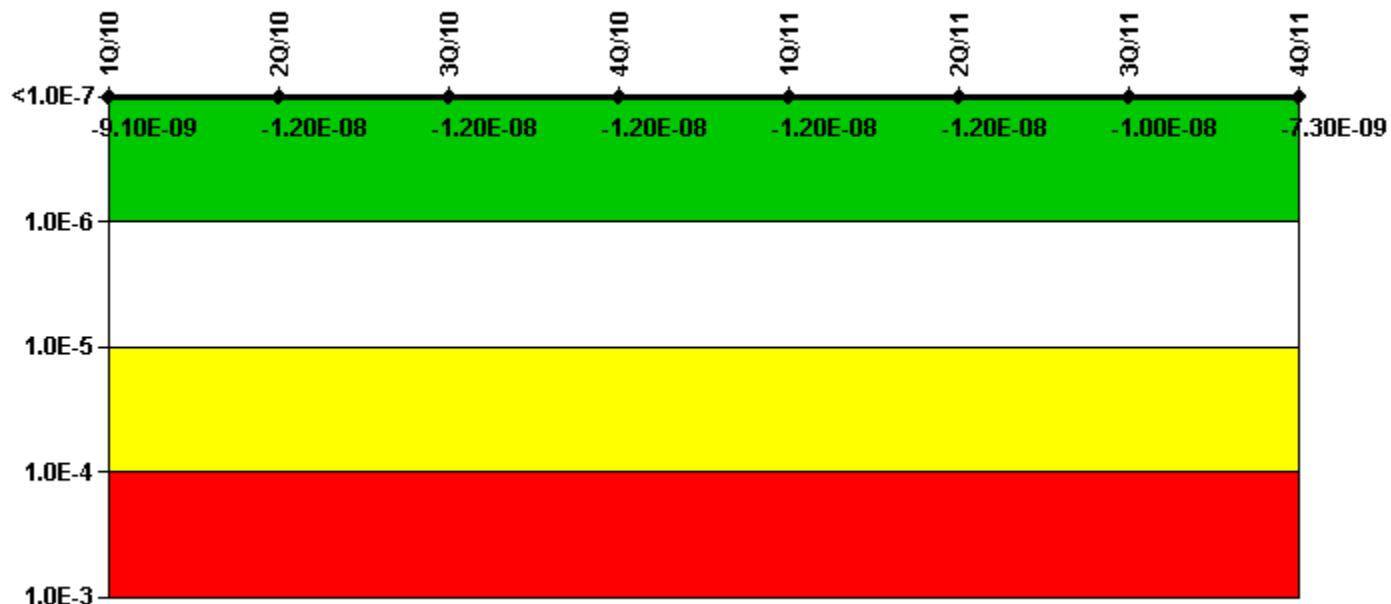
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	1.52E-08	1.54E-08	1.55E-08	1.13E-08	1.14E-08	1.14E-08	1.79E-08	9.39E-09
URI (Δ CDF)	-3.90E-08	-3.67E-08	-3.65E-08	-3.65E-08	-3.65E-08	-3.65E-08	-3.65E-08	-3.89E-08
PLE	NO							
Indicator value	-2.40E-08	-2.10E-08	-2.10E-08	-2.50E-08	-2.50E-08	-2.50E-08	-1.90E-08	-3.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



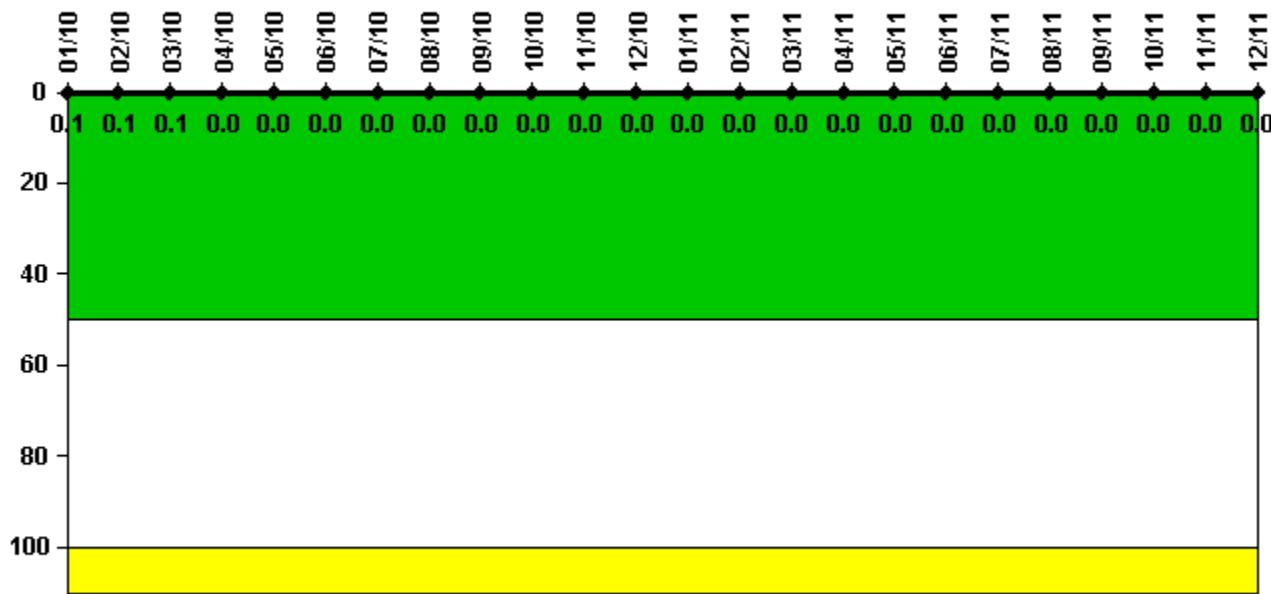
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (Δ CDF)	-4.23E-09	-4.22E-09	-4.22E-09	-4.22E-09	-4.22E-09	-4.22E-09	-2.74E-09	-2.75E-09
URI (Δ CDF)	-4.84E-09	-7.28E-09	-7.30E-09	-7.30E-09	-7.30E-09	-7.31E-09	-7.31E-09	-4.51E-09
PLE	NO							
Indicator value	-9.10E-09	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.00E-08	-7.30E-09

Licensee Comments: none

Reactor Coolant System Activity



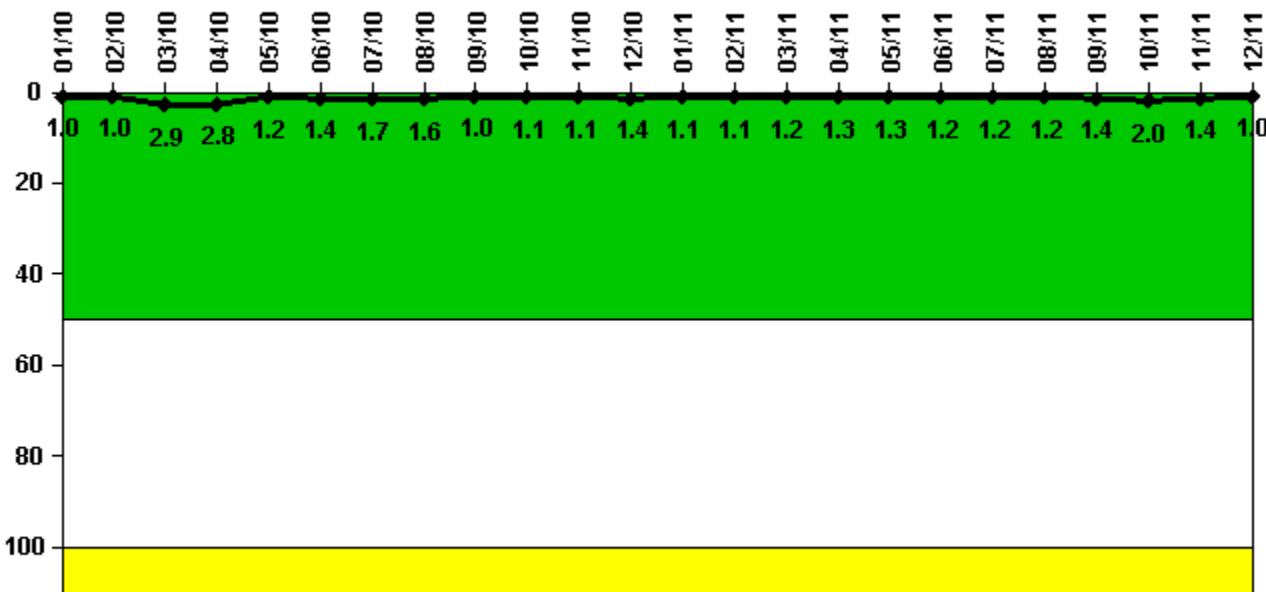
Thresholds: White > 50.0 Yellow > 100.0

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	0.000542	0.000513	0.000880	0.000150	0.000192	0.000212	0.000231	0.000220	0.000307	0.000313	0.000372	0.000279
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	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum activity	0.000301	0.000358	0.000354	0.000305	0.000300	0.000227	0.000226	0.000182	0.000268	0.000404	0.000082	0.000176
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	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

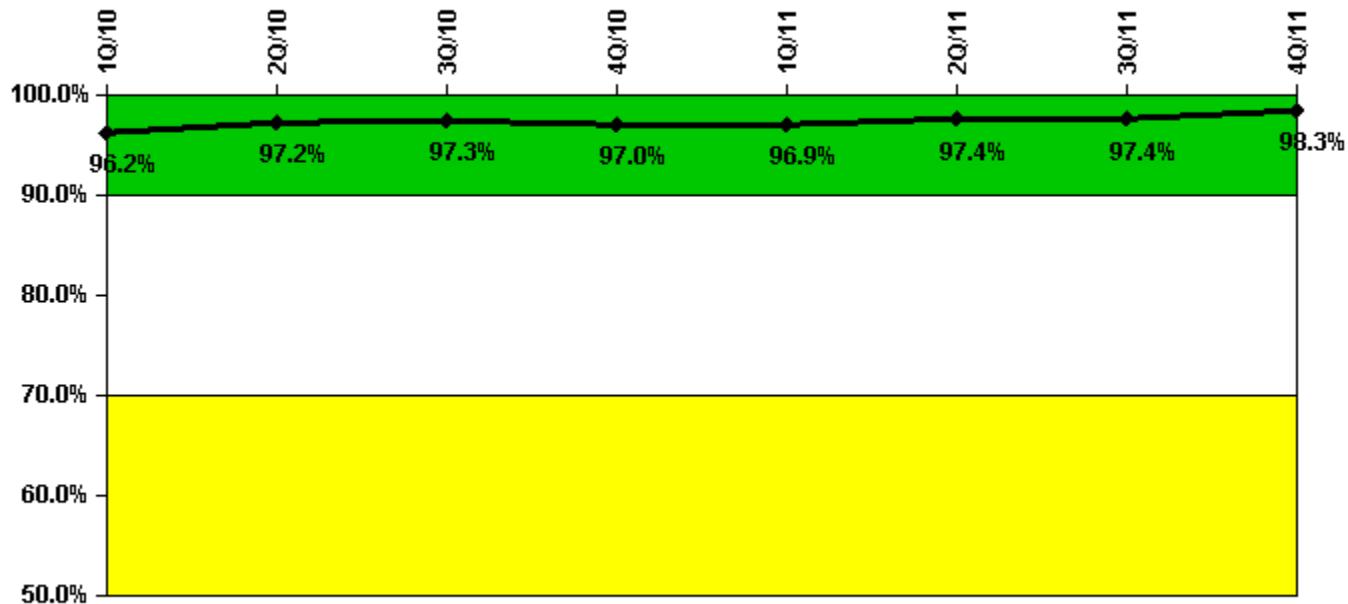
Notes

Reactor Coolant System Leakage	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10
Maximum leakage	0.098	0.096	0.285	0.281	0.119	0.141	0.166	0.158	0.100	0.109	0.113	0.141
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	1.0	2.9	2.8	1.2	1.4	1.7	1.6	1.0	1.1	1.1	1.4
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	0.114	0.114	0.116	0.125	0.127	0.118	0.116	0.124	0.143	0.204	0.140	0.097
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	1.1	1.2	1.3	1.3	1.2	1.2	1.2	1.4	2.0	1.4	1.0

Licensee Comments:

12/11: Total Leakage is being reported in lieu of Identified Leakage.

Drill/Exercise Performance



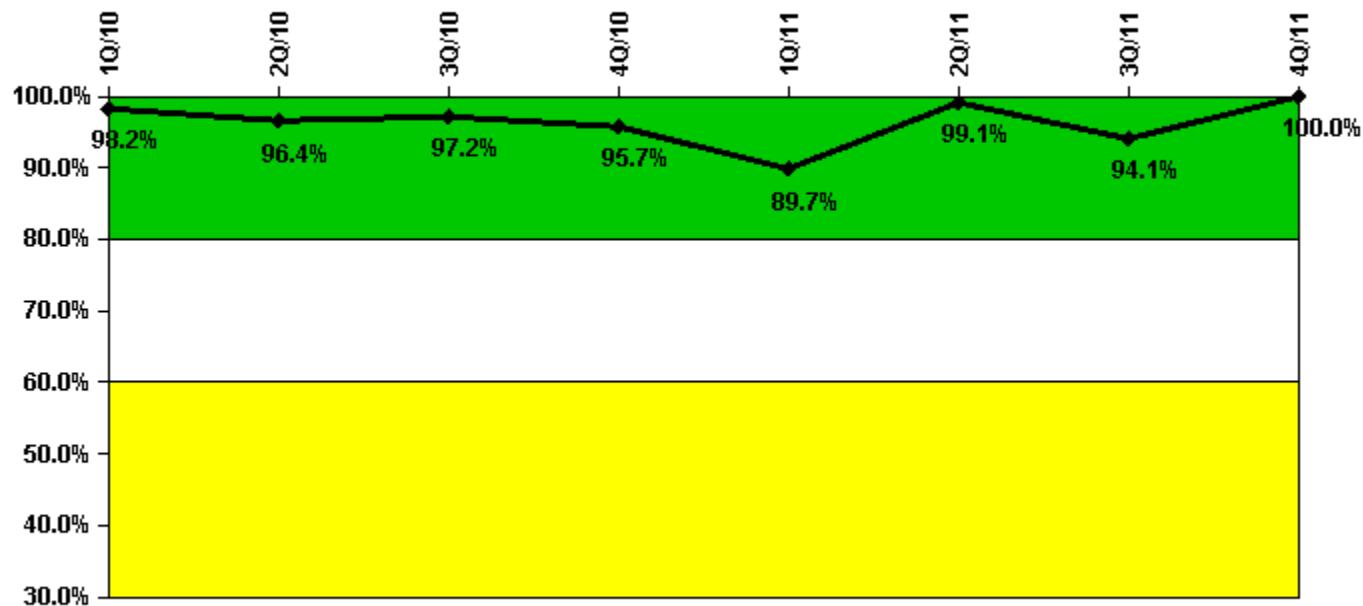
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful opportunities	23.0	26.0	35.0	17.0	11.0	39.0	17.0	9.0
Total opportunities	23.0	26.0	35.0	18.0	11.0	40.0	17.0	10.0
Indicator value	96.2%	97.2%	97.3%	97.0%	96.9%	97.4%	97.4%	98.3%

Licensee Comments: none

ERO Drill Participation



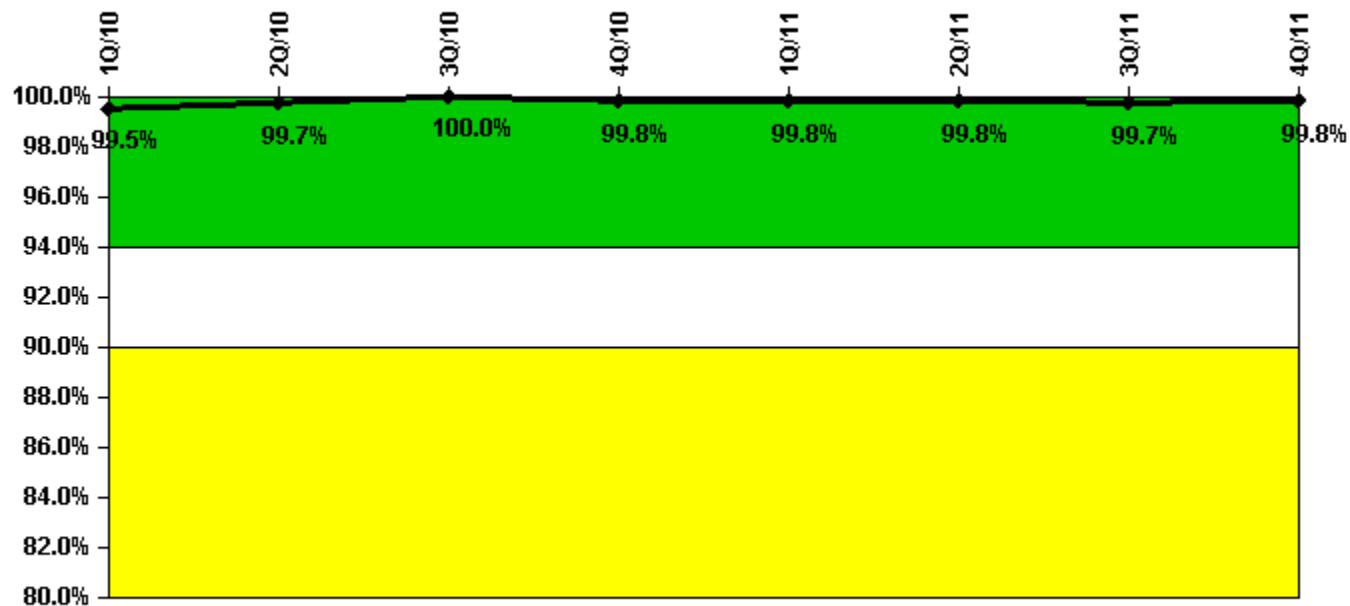
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Participating Key personnel	112.0	106.0	106.0	110.0	105.0	114.0	111.0	114.0
Total Key personnel	114.0	110.0	109.0	115.0	117.0	115.0	118.0	114.0
Indicator value	98.2%	96.4%	97.2%	95.7%	89.7%	99.1%	94.1%	100.0%

Licensee Comments: none

Alert & Notification System



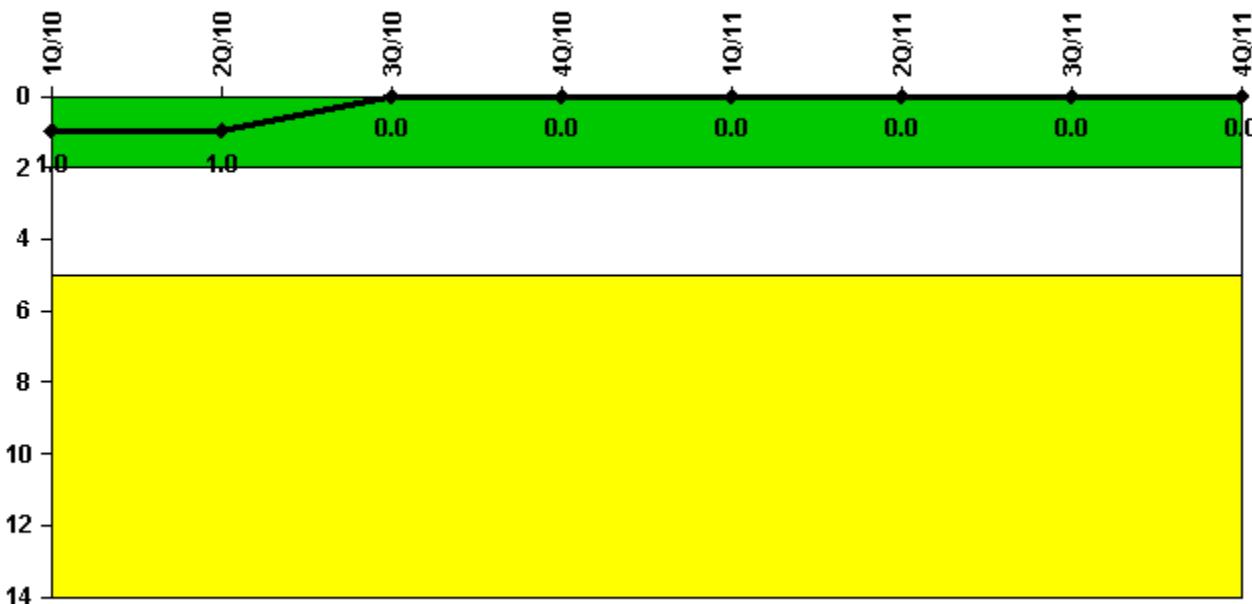
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful siren-tests	147	147	147	146	147	147	146	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.5%	99.7%	100.0%	99.8%	99.8%	99.8%	99.7%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



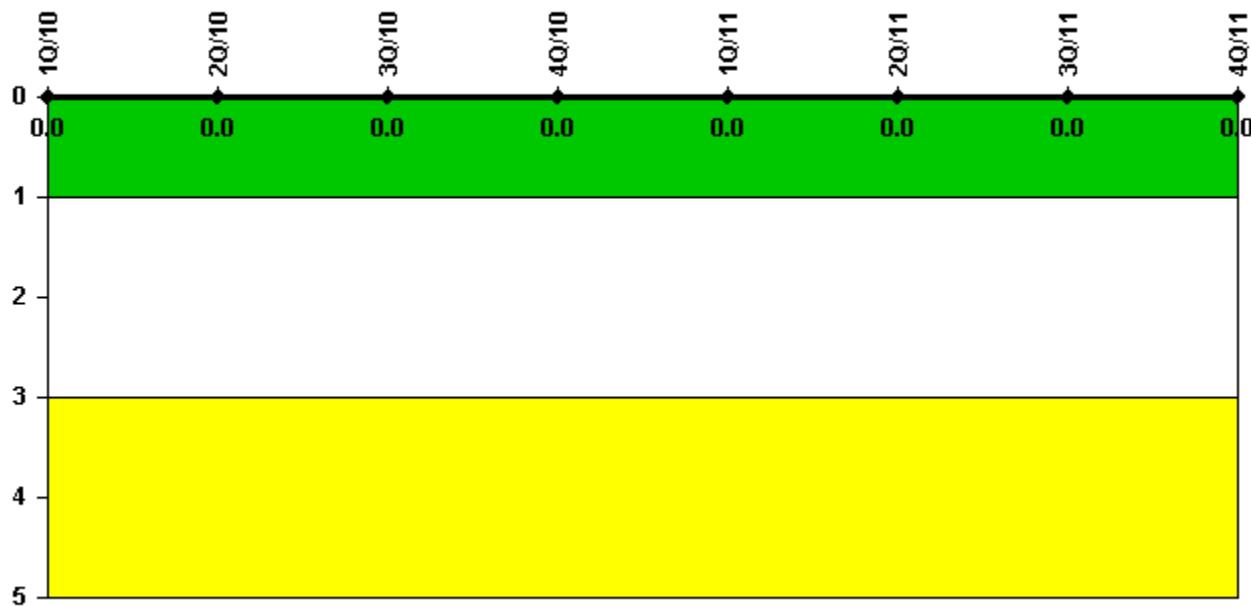
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	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

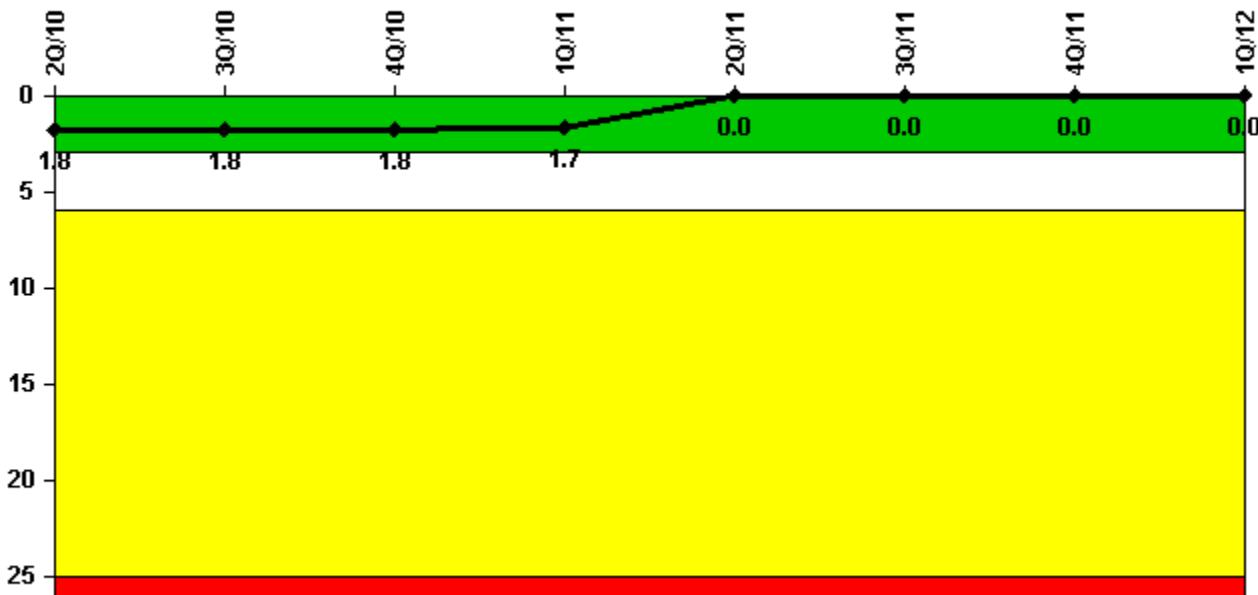
Security information not publicly available.

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1Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



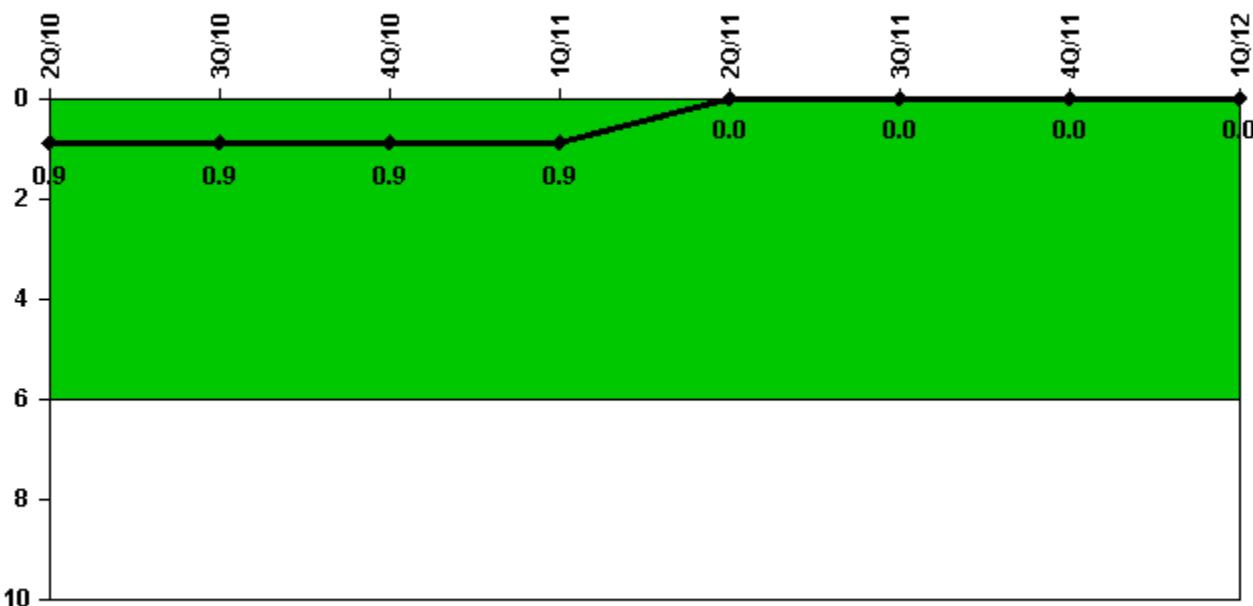
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2.0	0	0	0	0	0	0	0
Critical hours	1611.9	2208.0	2209.0	2159.0	2184.0	2208.0	1350.0	2183.0
Indicator value	1.8	1.8	1.8	1.7	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



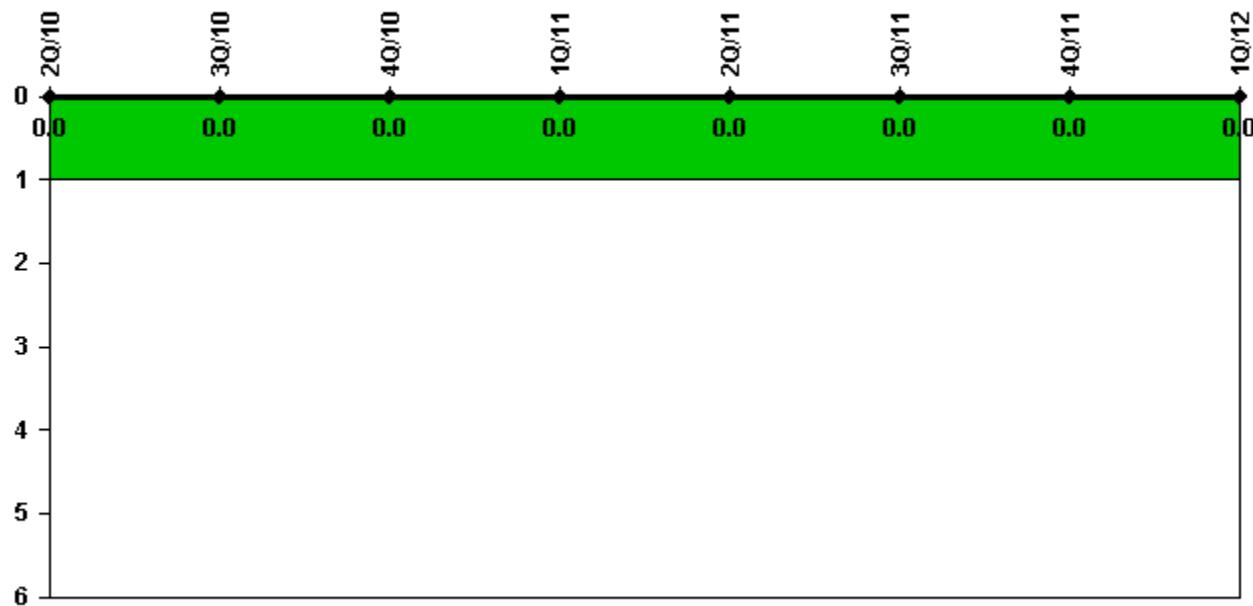
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	1611.9	2208.0	2209.0	2159.0	2184.0	2208.0	1350.0	2183.0
Indicator value	0.9	0.9	0.9	0.9	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



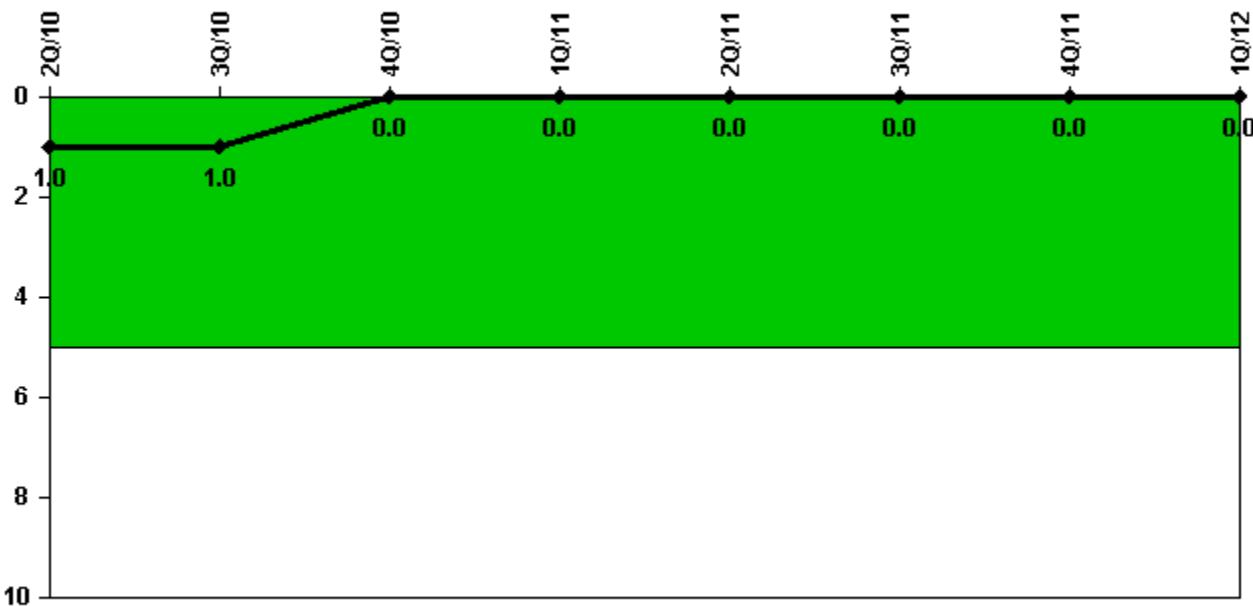
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	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)



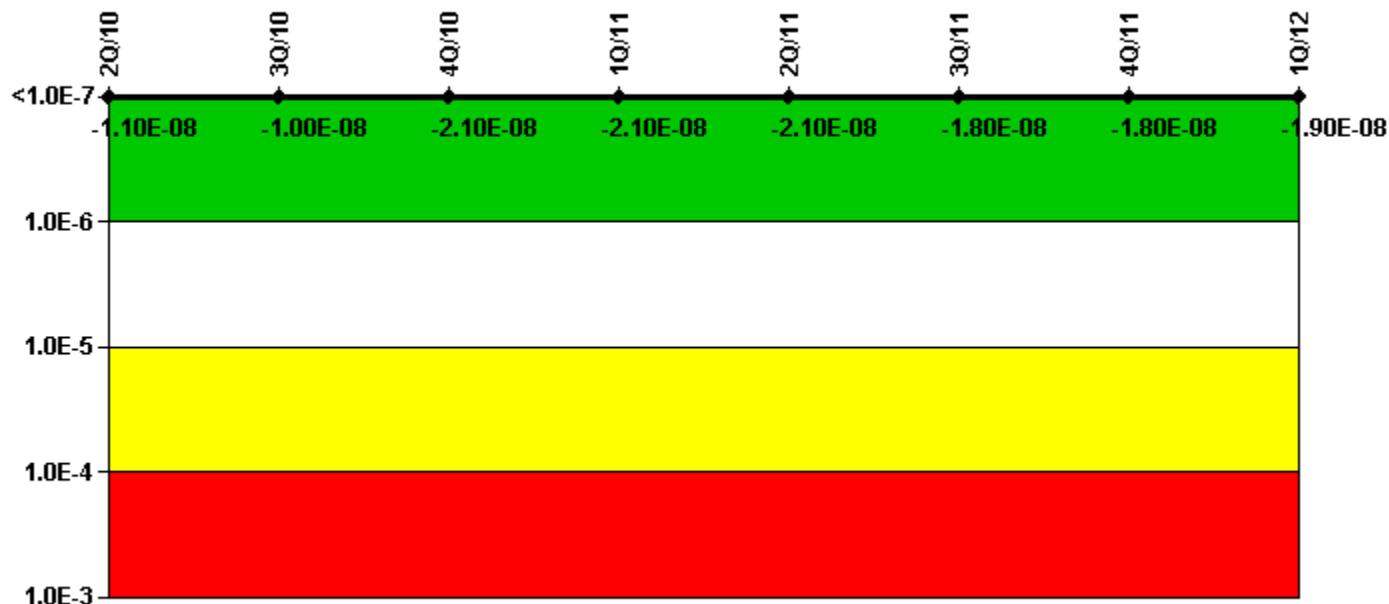
Thresholds: White > 5.0

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	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

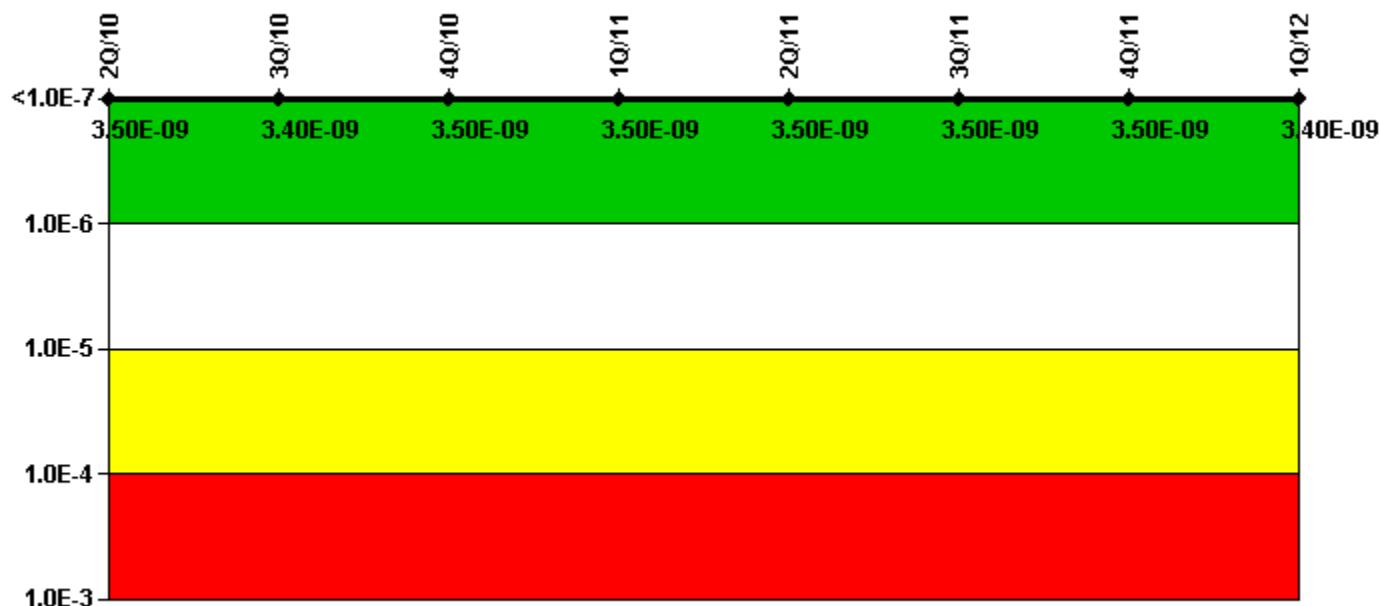
Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-2.11E-09	-2.11E-09	-2.38E-09	-2.38E-09	-2.38E-09	1.00E-09	8.20E-10	7.97E-10
URI (Δ CDF)	-8.78E-09	-8.22E-09	-1.82E-08	-1.82E-08	-1.83E-08	-1.90E-08	-1.91E-08	-1.93E-08
PLE	NO							
Indicator value	-1.10E-08	-1.00E-08	-2.10E-08	-2.10E-08	-2.10E-08	-1.80E-08	-1.80E-08	-1.90E-08

Licensee Comments:

1Q/12: The ANO-1 MSPI Basis Document was revised in the 1Q2012 to add the Emergency Diesel Generator (EDG) fuel oil transfer pumps to the scope of the EDG supercomponent boundary. There were no MSPI coefficient changes required as a result of this revision.

Mitigating Systems Performance Index, High Pressure Injection System



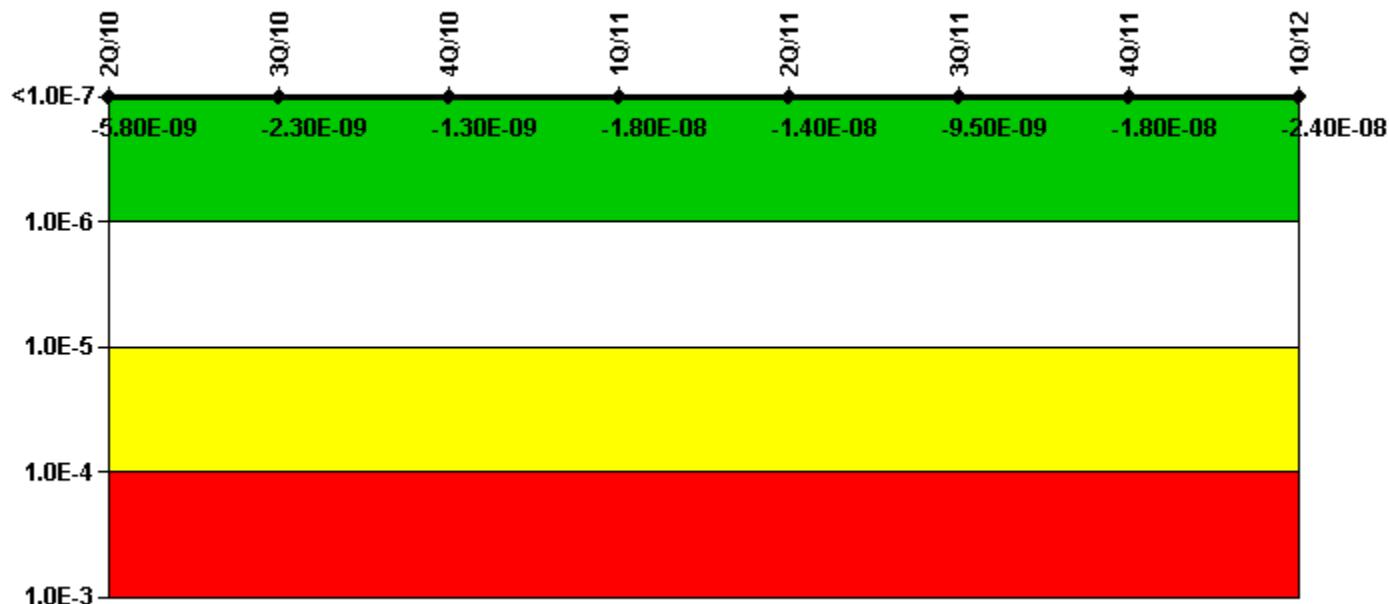
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	2.13E-11	1.78E-11	-4.47E-12	-4.45E-12	-4.45E-12	8.63E-13	4.87E-13	6.87E-12
URI (Δ CDF)	3.46E-09	3.40E-09	3.54E-09	3.54E-09	3.51E-09	3.46E-09	3.51E-09	3.38E-09
PLE	NO							
Indicator value	3.50E-09	3.40E-09	3.50E-09	3.50E-09	3.50E-09	3.50E-09	3.50E-09	3.40E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



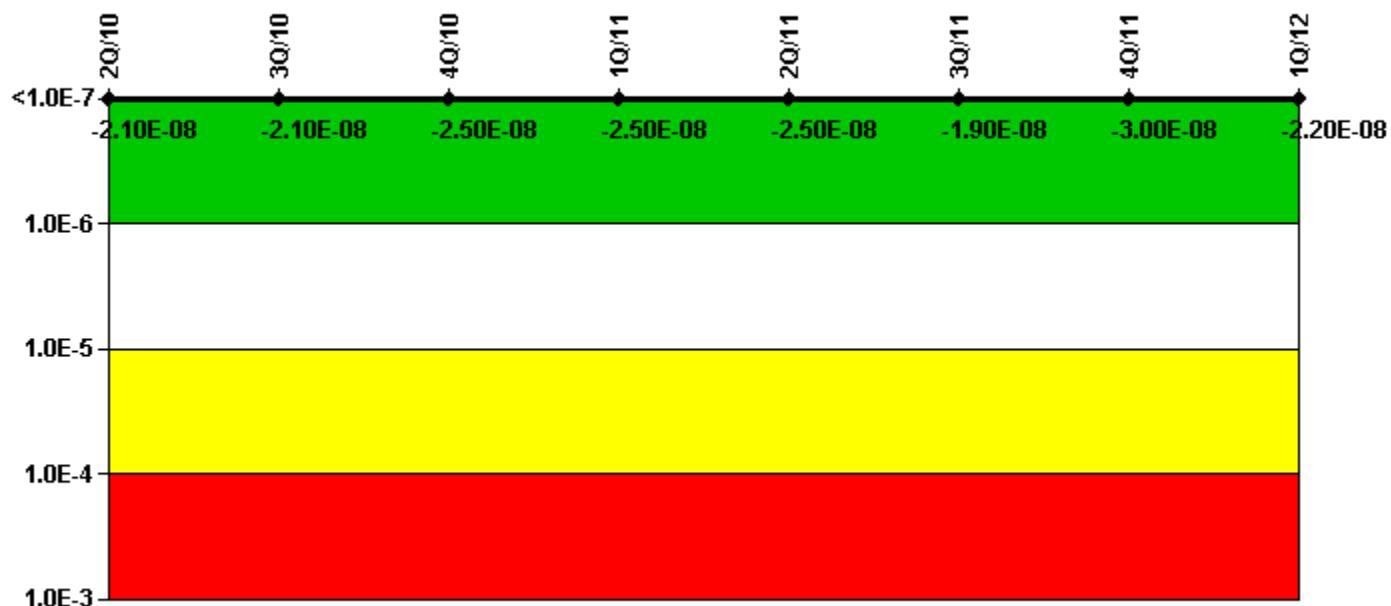
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	1.94E-08	2.47E-08	2.60E-08	9.71E-09	1.31E-08	1.77E-08	8.94E-09	3.67E-09
URI (Δ CDF)	-2.51E-08	-2.69E-08	-2.73E-08	-2.73E-08	-2.72E-08	-2.71E-08	-2.70E-08	-2.73E-08
PLE	NO							
Indicator value	-5.80E-09	-2.30E-09	-1.30E-09	-1.80E-08	-1.40E-08	-9.50E-09	-1.80E-08	-2.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



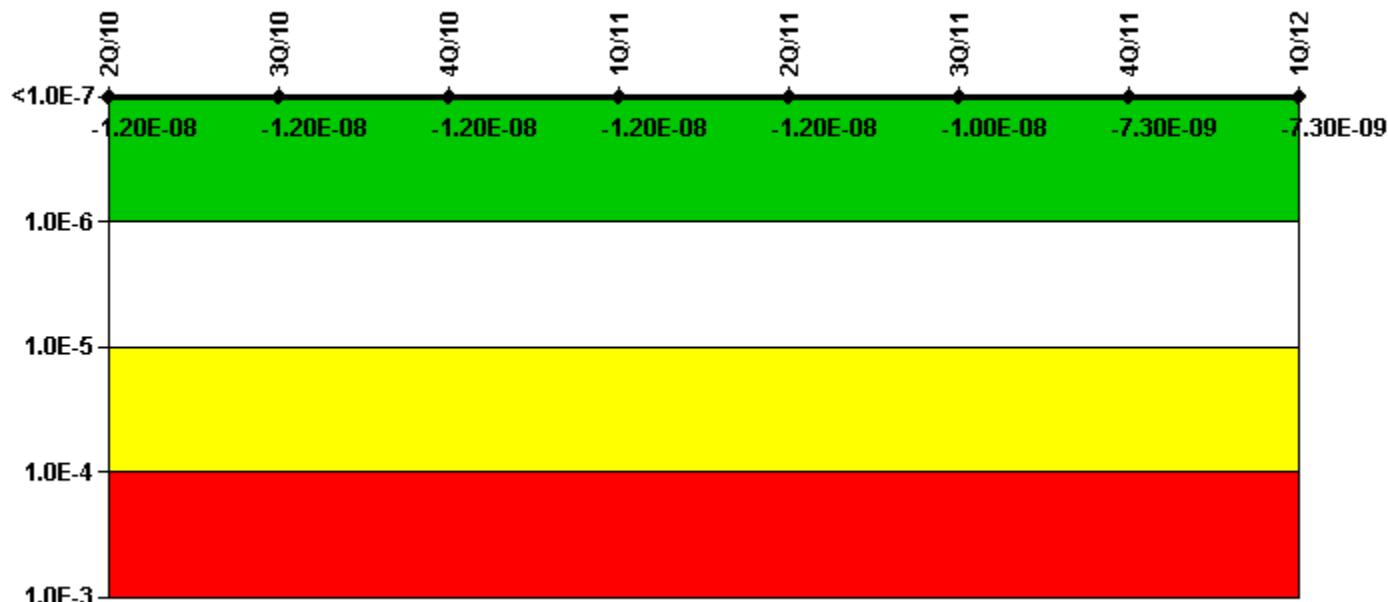
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	1.54E-08	1.55E-08	1.13E-08	1.14E-08	1.14E-08	1.79E-08	9.39E-09	1.69E-08
URI (Δ CDF)	-3.67E-08	-3.65E-08	-3.65E-08	-3.65E-08	-3.65E-08	-3.65E-08	-3.89E-08	-3.88E-08
PLE	NO							
Indicator value	-2.10E-08	-2.10E-08	-2.50E-08	-2.50E-08	-2.50E-08	-1.90E-08	-3.00E-08	-2.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

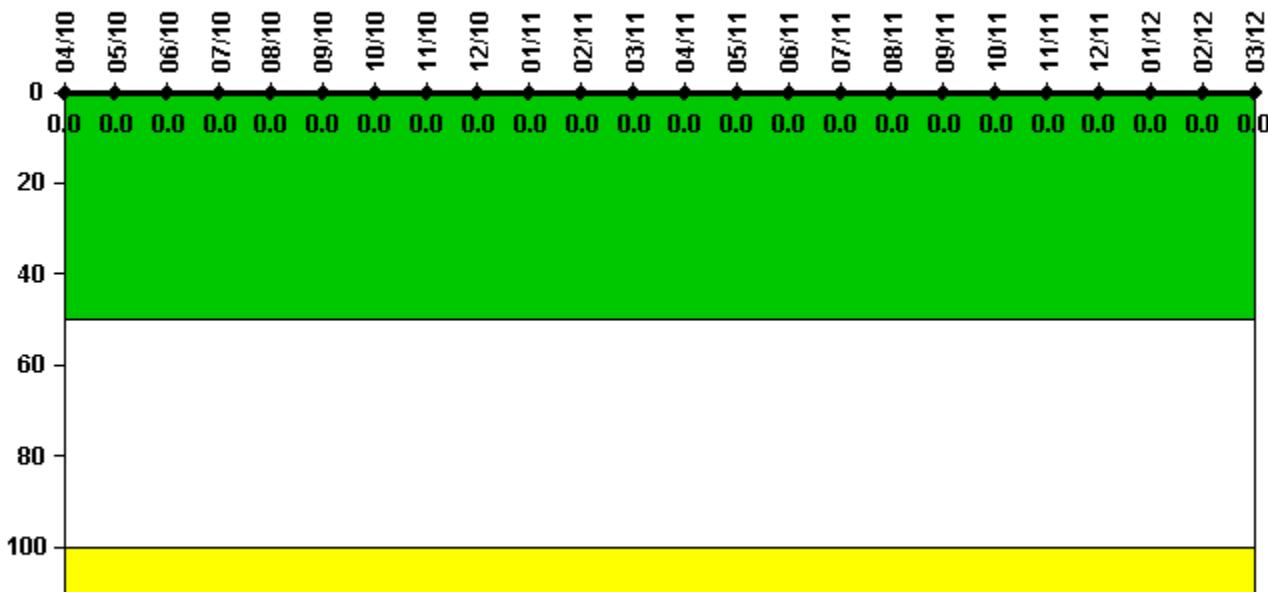
Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (Δ CDF)	-4.22E-09	-4.22E-09	-4.22E-09	-4.22E-09	-4.22E-09	-2.74E-09	-2.75E-09	-2.75E-09
URI (Δ CDF)	-7.28E-09	-7.30E-09	-7.30E-09	-7.30E-09	-7.31E-09	-7.31E-09	-4.51E-09	-4.51E-09
PLE	NO							
Indicator value	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.00E-08	-7.30E-09	-7.30E-09

Licensee Comments:

3Q/11: As of the 3rd Quarter 2011 reporting period, the ANO-1 MSPI Basis Document was revised. The MSPI Cooling Water System is now defined as a two train system with a swing pump, instead of the previously defined multi-segment system.

Reactor Coolant System Activity



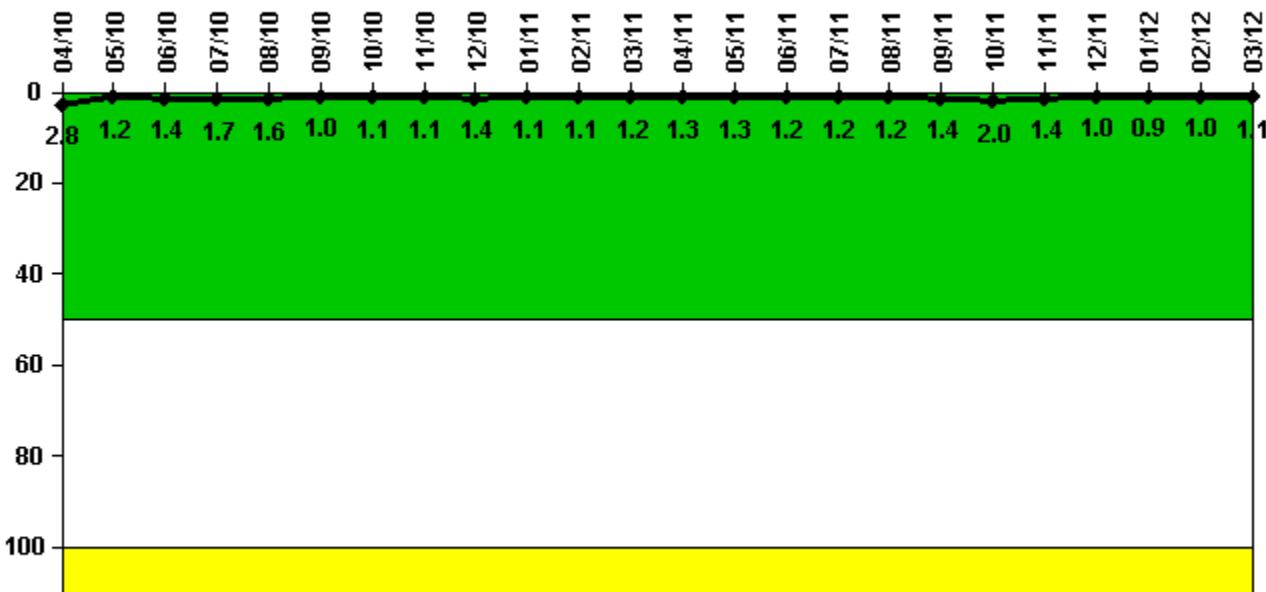
Thresholds: White > 50.0 Yellow > 100.0

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	0.0000150	0.0000192	0.0000212	0.0000231	0.0000220	0.0000307	0.0000313	0.0000372	0.0000279	0.0000301	0.0000358	0.0000354
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	0	0	0	0	0
Reactor Coolant System Activity	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum activity	0.0000305	0.0000300	0.0000227	0.0000226	0.0000182	0.0000268	0.0000404	0.0000082	0.0000176	0.0000095	0.0000097	0.0000160
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	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11
Maximum leakage	0.281	0.119	0.141	0.166	0.158	0.100	0.109	0.113	0.141	0.114	0.114	0.116
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	2.8	1.2	1.4	1.7	1.6	1.0	1.1	1.1	1.4	1.1	1.1	1.2
Reactor Coolant System Leakage	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum leakage	0.125	0.127	0.118	0.116	0.124	0.143	0.204	0.140	0.097	0.087	0.103	0.105
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	1.3	1.2	1.2	1.2	1.4	2.0	1.4	1.0	0.9	1.0	1.1

Licensee Comments:

3/12: Total Leakage is being reported in lieu of Identified Leakage.

12/11: Total Leakage is being reported in lieu of Identified Leakage.

9/11: Total Leakage is being reported in lieu of Identified Leakage.

6/11: Total Leakage is being reported in lieu of Identified Leakage.

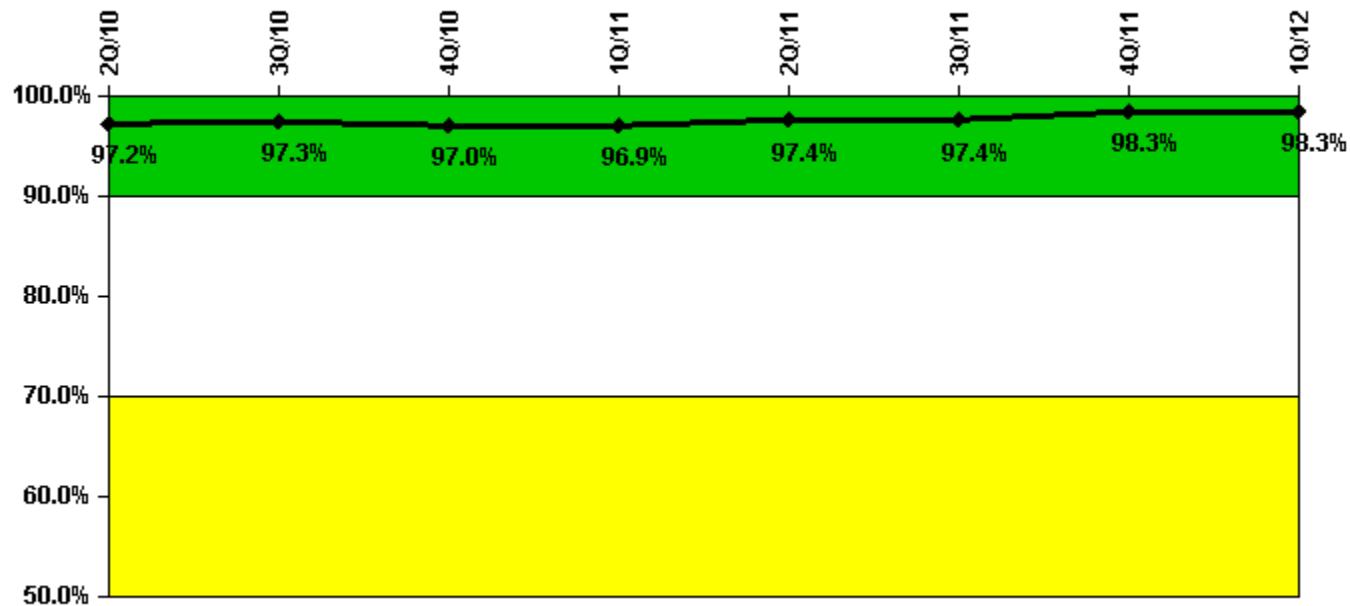
3/11: Total Leakage is being reported in lieu of Identified Leakage.

12/10: Total Leakage is being reported in lieu of Identified Leakage.

9/10: Total Leakage is being reported in lieu of Identified Leakage

6/10: Total Leakage is being reported in lieu of Identified Leakage

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	26.0	35.0	17.0	11.0	39.0	17.0	9.0	21.0
Total opportunities	26.0	35.0	18.0	11.0	40.0	17.0	10.0	21.0
Indicator value	97.2%	97.3%	97.0%	96.9%	97.4%	97.4%	98.3%	98.3%

Licensee Comments:

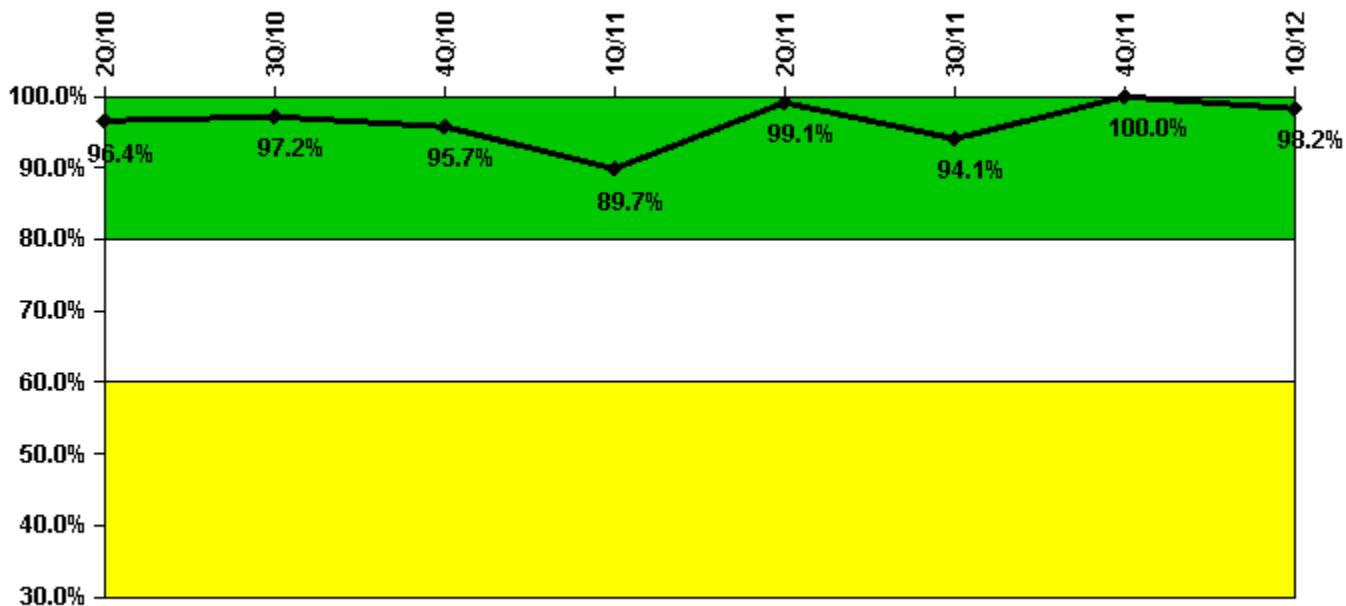
3Q/11: The April 2011 ERO Drill Exercise Performance was revised with the 3rd quarter 2011 submittal. April Successful Drills and Total Drills were reduced from 11 each, to 10 each. This revision does not affect the indicator color.

2Q/11: The April 2011 ERO Drill Exercise Performance was revised with the 3rd quarter 2011 submittal. April Successful Drills and Total Drills were reduced from 11 each, to 10 each. This revision does not affect the indicator color.

1Q/11: Two additional Successful Event Opportunities and two Total Event Opportunities were identified that were not included in the original June 2009 data submittal. Both June 2009 data elements were revised from 22 to 24 in the first quarter 2011 data submittal. This results in no significant change to the 8 quarter performance indicator.

3Q/10: One (1) ANO Notifications Performance Indicator for a 10/21/2009 Tabletop Evaluation has been changed from successful to unsuccessful. This was discovered during an NRC Inspection conducted 09/20/2010 through 09/24/2010.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

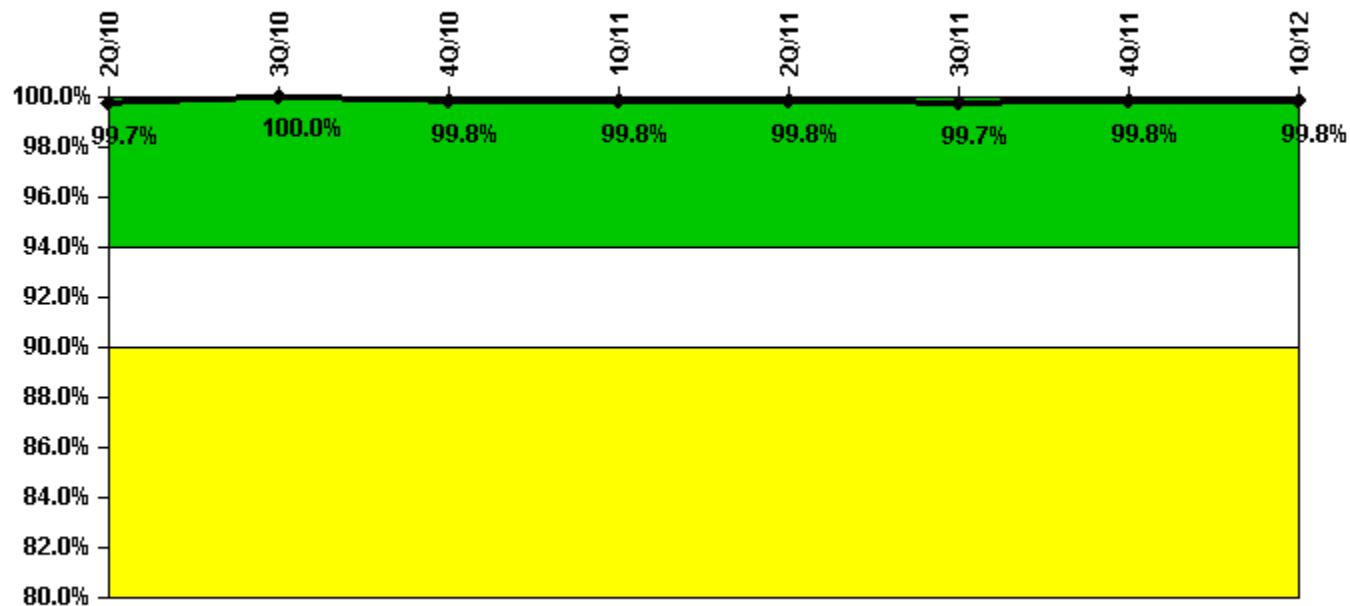
Notes

ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	106.0	106.0	110.0	105.0	114.0	111.0	114.0	111.0
Total Key personnel	110.0	109.0	115.0	117.0	115.0	118.0	114.0	113.0
Indicator value	96.4%	97.2%	95.7%	89.7%	99.1%	94.1%	100.0%	98.2%

Licensee Comments:

2Q/11: In the 2nd Quarter 2011, Emergency Planning determined that 3 historical ERO drills were not eligible to be counted as performance indicator drills. As a result, credit for historical ERO drill participation was removed for several ERO members. This resulted in data revisions to the ERO Drill Participation PI from the 3rd Quarter 2009 to the 1st Quarter 2011. These revisions did not change the ERO Drill Participation PI color for these periods.

Alert & Notification System



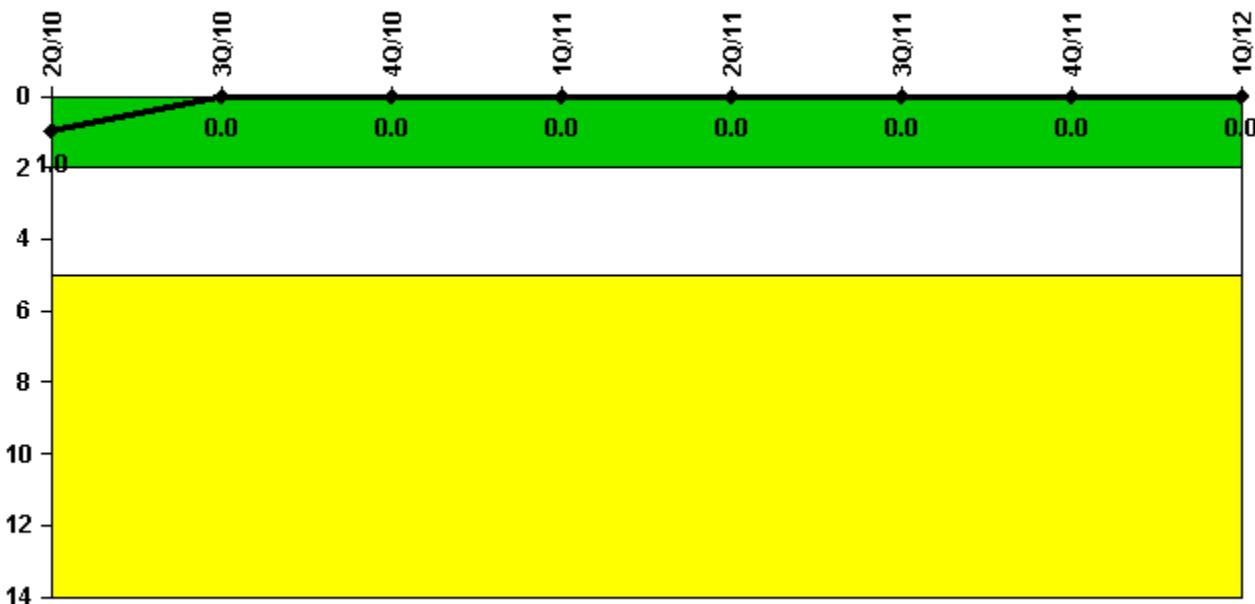
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Successful siren-tests	147	147	146	147	147	146	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.7%	100.0%	99.8%	99.8%	99.8%	99.7%	99.8%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



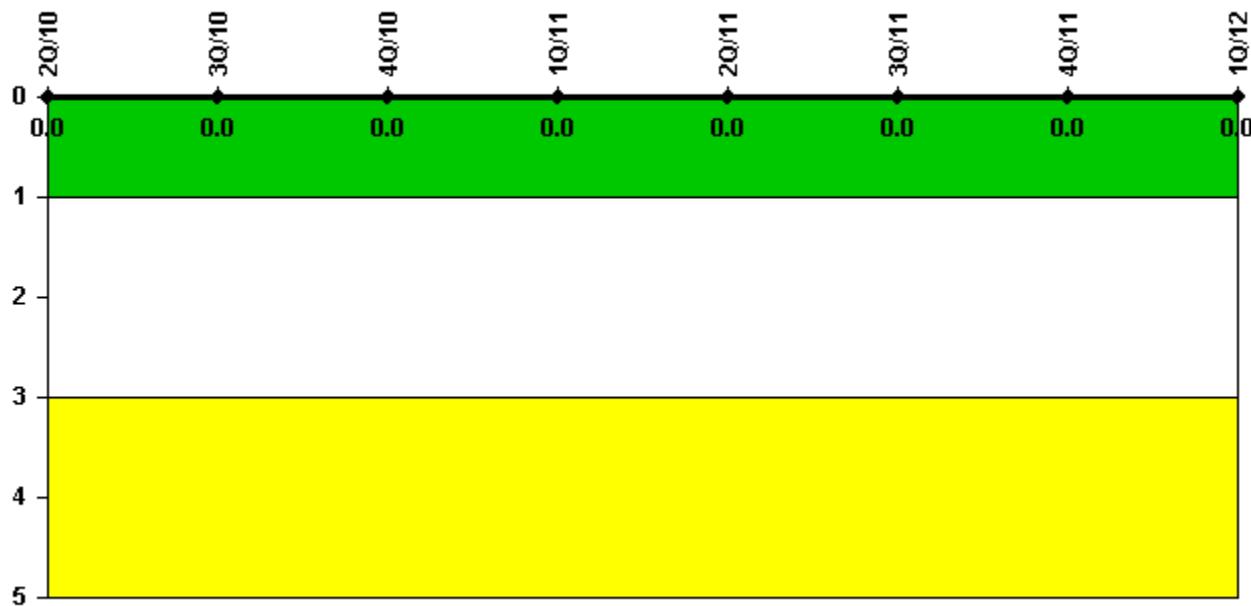
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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	1	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

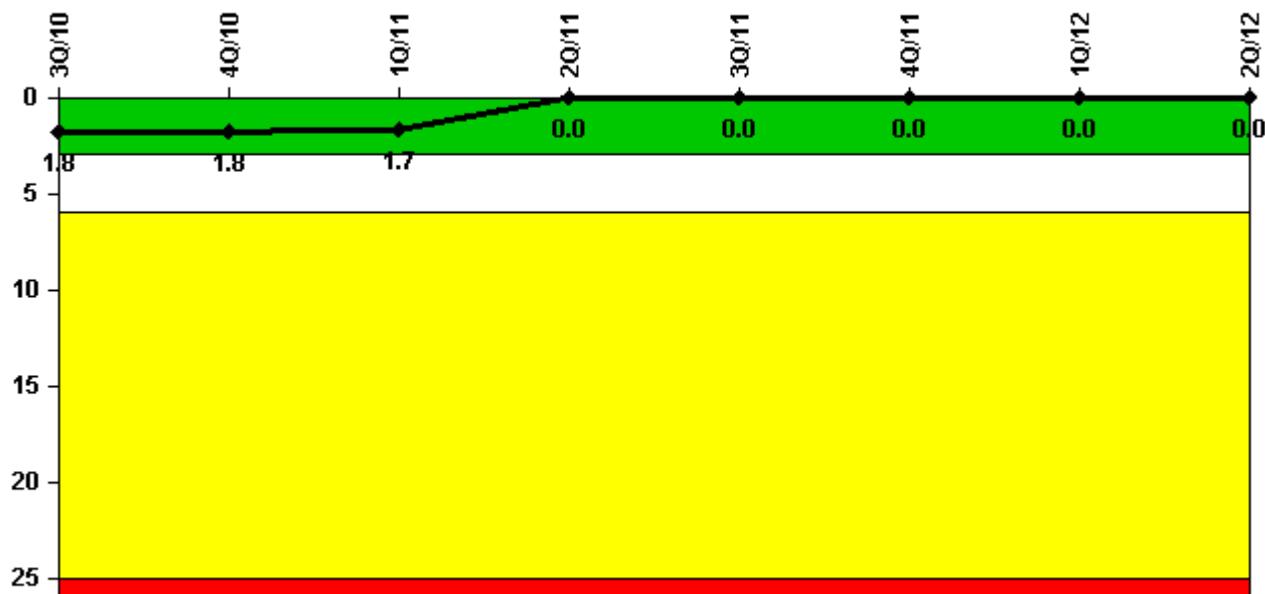
[Security](#) information not publicly available.

Arkansas Nuclear 1

2Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



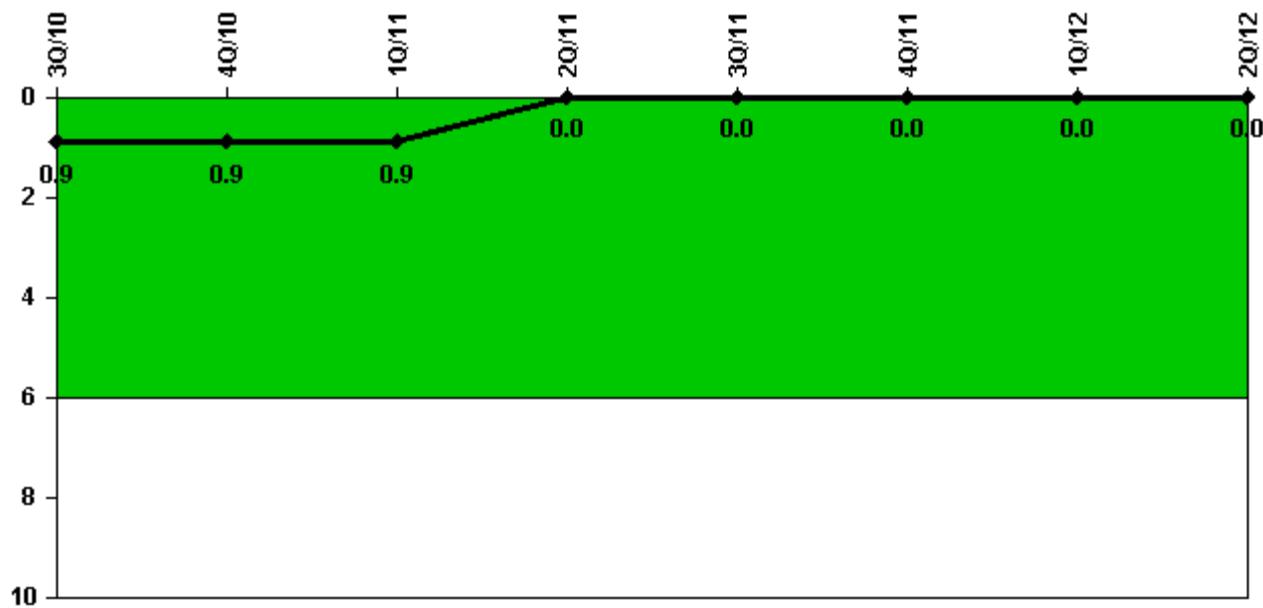
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2208.0	2209.0	2159.0	2184.0	2208.0	1350.0	2183.0	2184.0
Indicator value	1.8	1.8	1.7	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



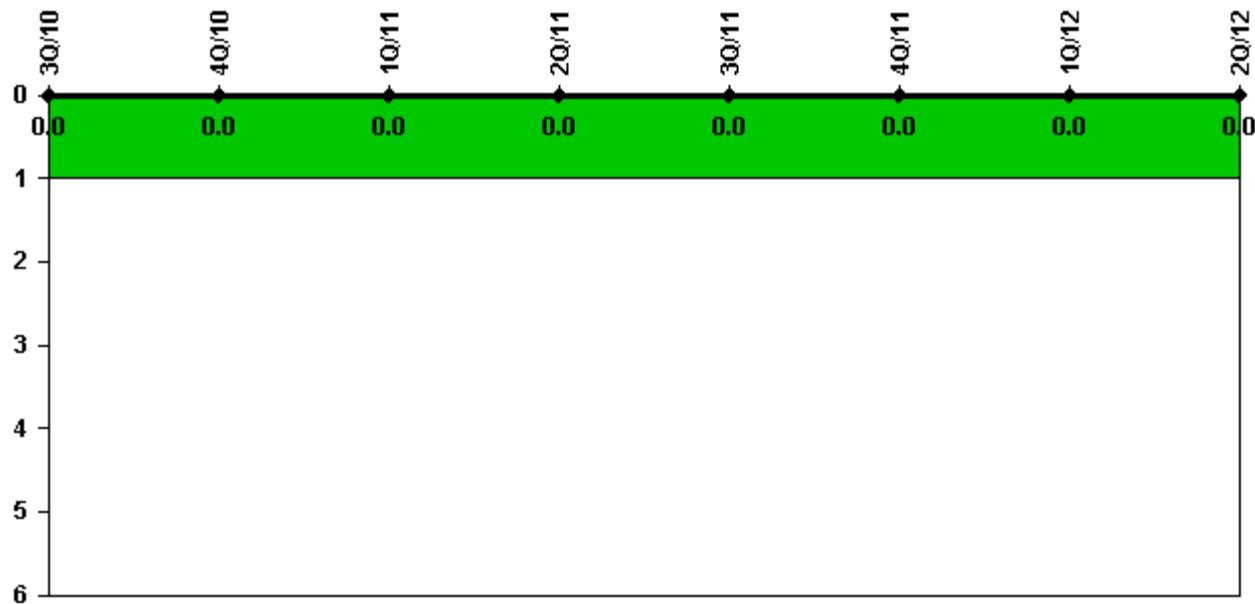
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2159.0	2184.0	2208.0	1350.0	2183.0	2184.0
Indicator value	0.9	0.9	0.9	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



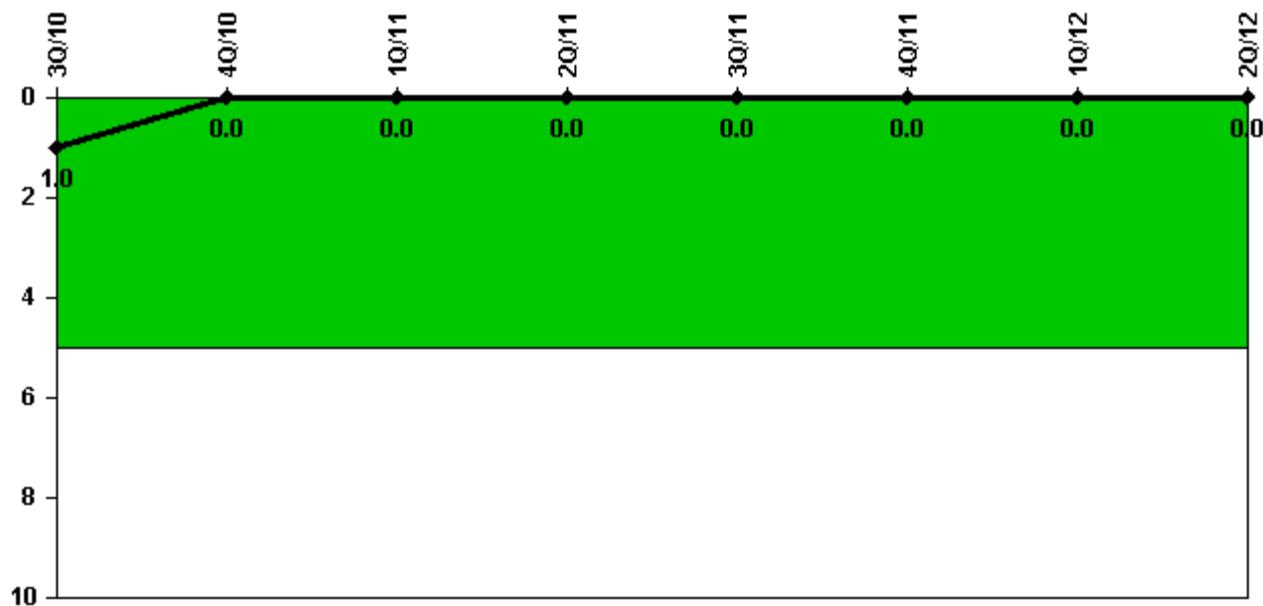
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	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)



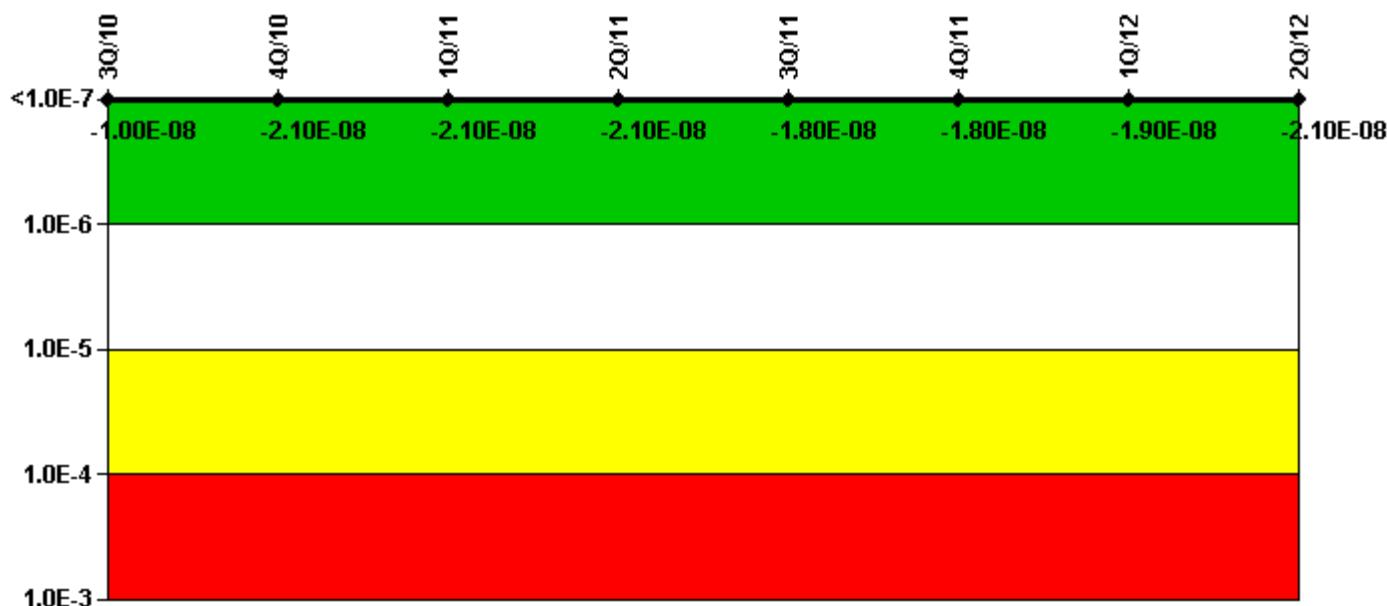
Thresholds: White > 5.0

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	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 > $1.00E-4$

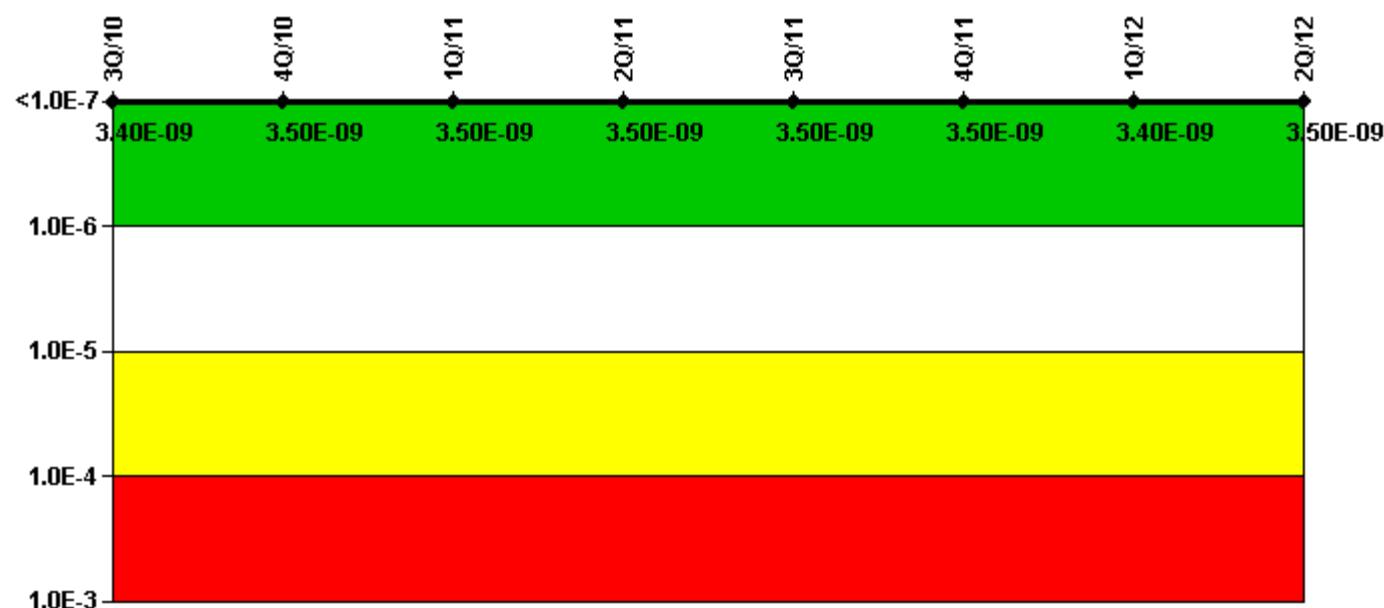
Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (Δ CDF)	$-2.11E-09$	$-2.38E-09$	$-2.38E-09$	$-2.38E-09$	$1.00E-09$	$8.20E-10$	$7.97E-10$	$-2.38E-09$
URI (Δ CDF)	$-8.22E-09$	$-1.82E-08$	$-1.82E-08$	$-1.83E-08$	$-1.90E-08$	$-1.91E-08$	$-1.93E-08$	$-1.88E-08$
PLE	NO							
Indicator value	$-1.00E-08$	$-2.10E-08$	$-2.10E-08$	$-2.10E-08$	$-1.80E-08$	$-1.80E-08$	$-1.90E-08$	$-2.10E-08$

Licensee Comments:

1Q/12: The ANO-1 MSPI Basis Document was revised in the 1Q2012 to add the Emergency Diesel Generator (EDG) fuel oil transfer pumps to the scope of the EDG supercomponent boundary. There were no MSPI coefficient changes required as a result of this revision.

Mitigating Systems Performance Index, High Pressure Injection System



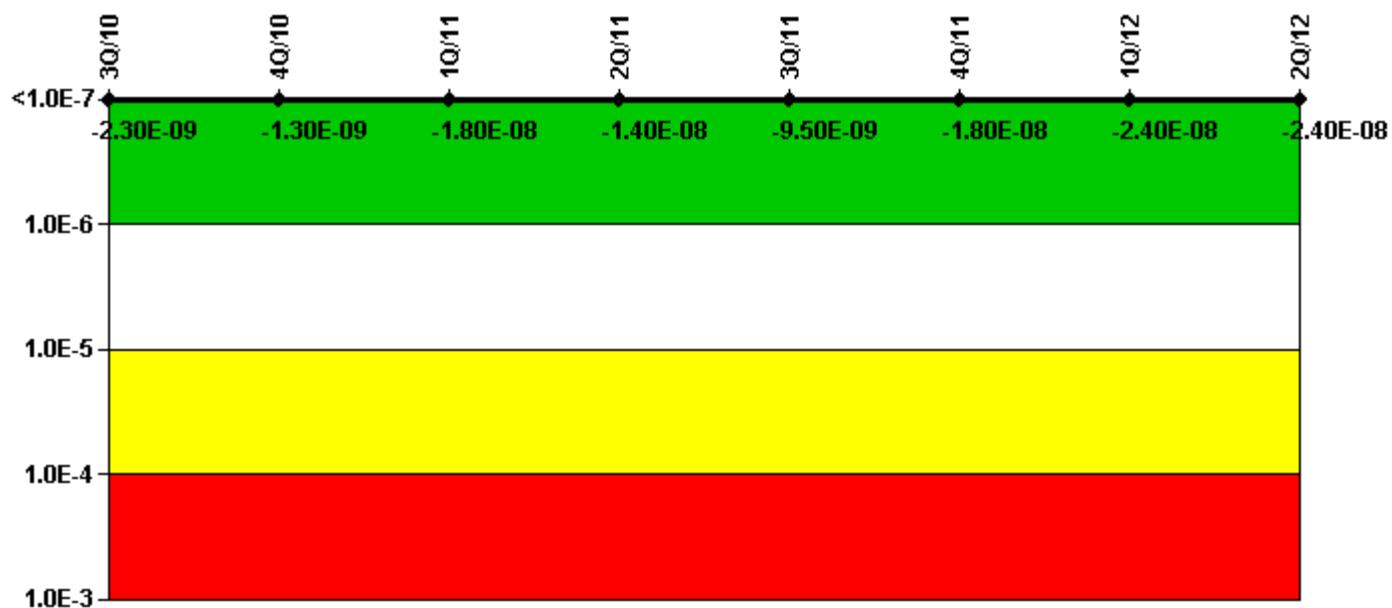
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF)	1.78E-11	-4.47E-12	-4.45E-12	-4.45E-12	8.63E-13	4.87E-13	6.87E-12	-3.28E-14
URI (Δ CDF)	3.40E-09	3.54E-09	3.54E-09	3.51E-09	3.46E-09	3.51E-09	3.38E-09	3.48E-09
PLE	NO							
Indicator value	3.40E-09	3.50E-09	3.50E-09	3.50E-09	3.50E-09	3.50E-09	3.40E-09	3.50E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



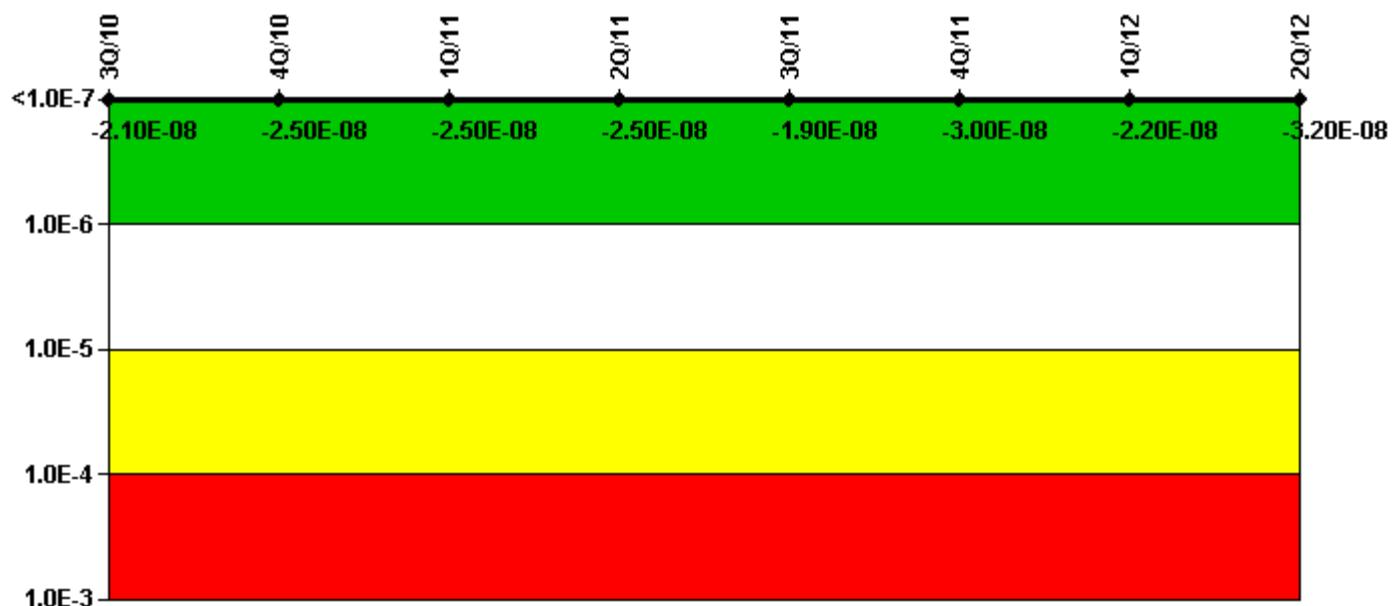
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	2.47E-08	2.60E-08	9.71E-09	1.31E-08	1.77E-08	8.94E-09	3.67E-09	2.89E-09
URI (ΔCDF)	-2.69E-08	-2.73E-08	-2.73E-08	-2.72E-08	-2.71E-08	-2.70E-08	-2.73E-08	-2.73E-08
PLE	NO							
Indicator value	-2.30E-09	-1.30E-09	-1.80E-08	-1.40E-08	-9.50E-09	-1.80E-08	-2.40E-08	-2.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



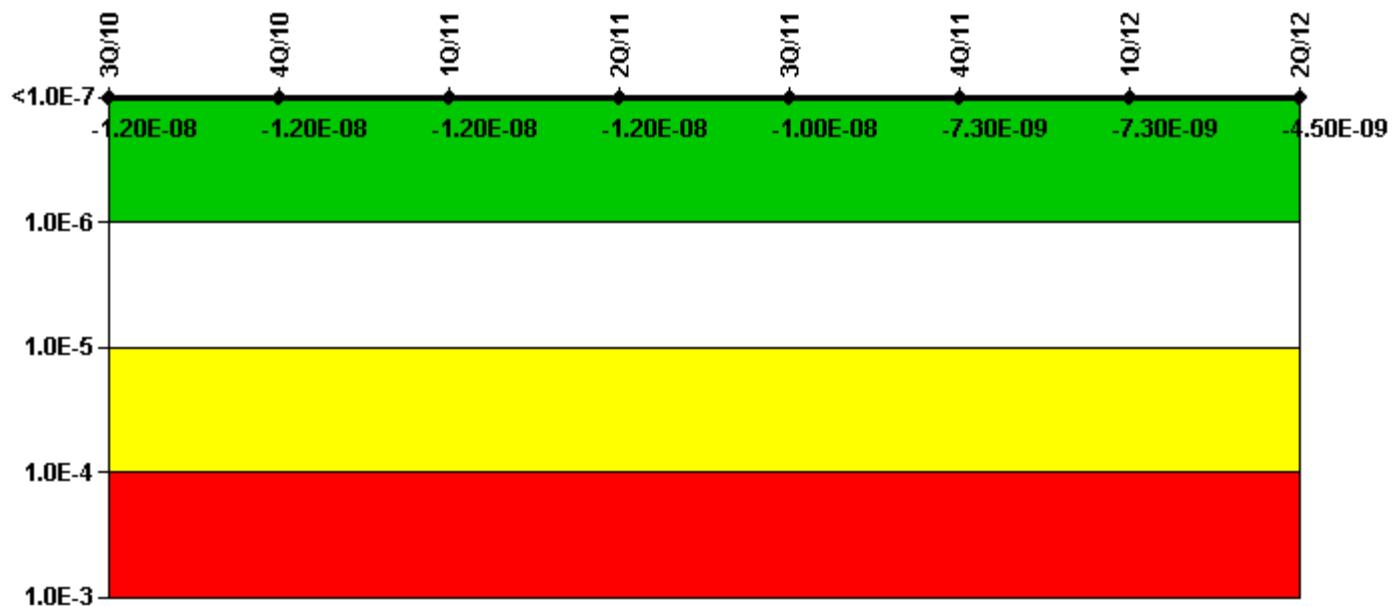
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (Δ CDF)	1.55E-08	1.13E-08	1.14E-08	1.14E-08	1.79E-08	9.39E-09	1.69E-08	6.66E-09
URI (Δ CDF)	-3.65E-08	-3.65E-08	-3.65E-08	-3.65E-08	-3.65E-08	-3.89E-08	-3.88E-08	-3.88E-08
PLE	NO							
Indicator value	-2.10E-08	-2.50E-08	-2.50E-08	-2.50E-08	-1.90E-08	-3.00E-08	-2.20E-08	-3.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

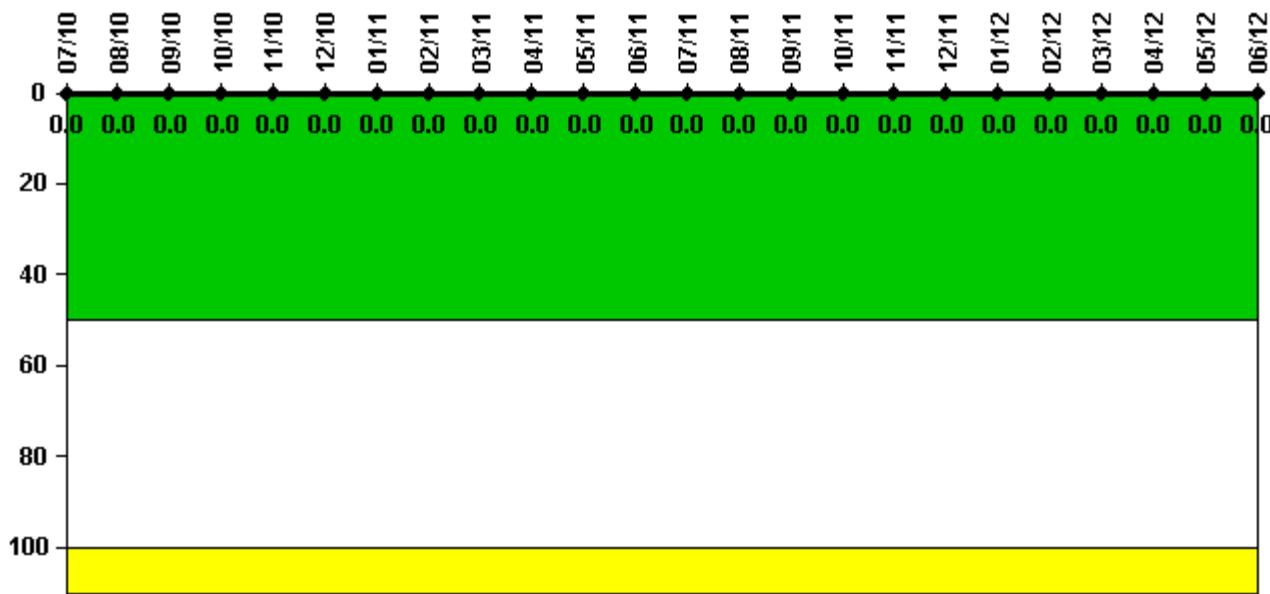
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	-4.22E-09	-4.22E-09	-4.22E-09	-4.22E-09	-2.74E-09	-2.75E-09	-2.75E-09	-2.75E-09
URI (ΔCDF)	-7.30E-09	-7.30E-09	-7.30E-09	-7.31E-09	-7.31E-09	-4.51E-09	-4.51E-09	-1.70E-09
PLE	NO							
Indicator value	-1.20E-08	-1.20E-08	-1.20E-08	-1.20E-08	-1.00E-08	-7.30E-09	-7.30E-09	-4.50E-09

Licensee Comments:

3Q/11: As of the 3rd Quarter 2011 reporting period, the ANO-1 MSPI Basis Document was revised. The MSPI Cooling Water System is now defined as a two train system with a swing pump, instead of the previously defined multi-segment system.

Reactor Coolant System Activity



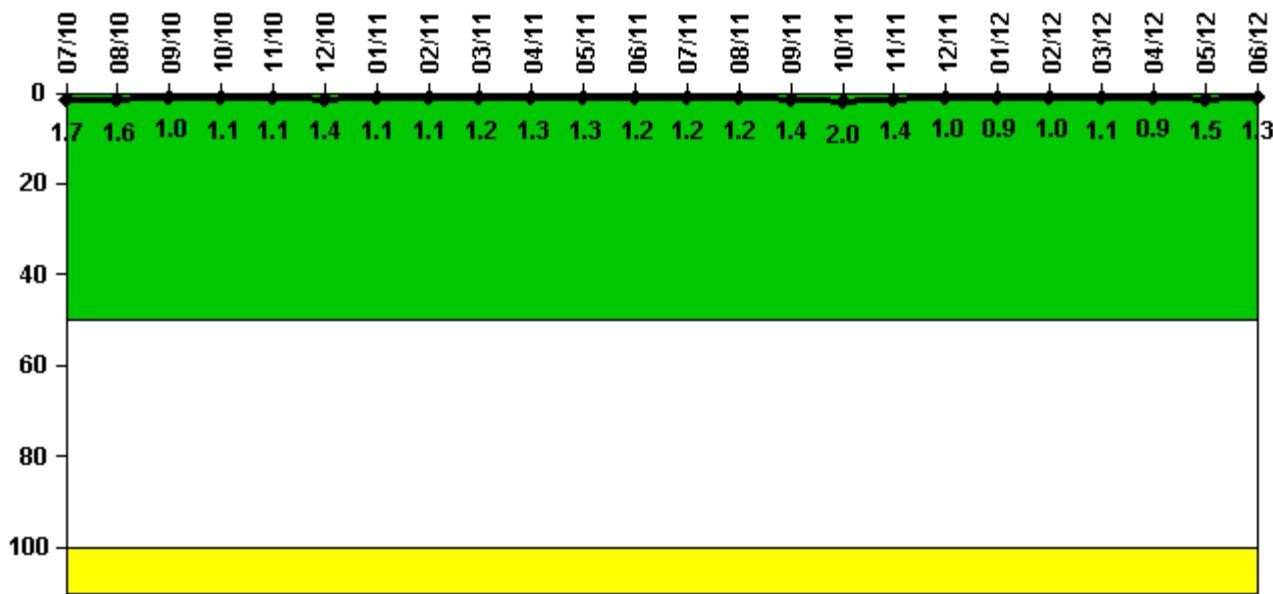
Thresholds: White > 50.0 Yellow > 100.0

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	0.000231	0.000220	0.000307	0.000313	0.000372	0.000279	0.000301	0.000358	0.000354	0.000305	0.000300	0.000227
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											
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	0.000226	0.000182	0.000268	0.000404	0.000082	0.000176	0.000095	0.000097	0.000160	0.000112	0.000109	0.000120
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											

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum leakage	0.166	0.158	0.100	0.109	0.113	0.141	0.114	0.114	0.116	0.125	0.127	0.118
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	1.7	1.6	1.0	1.1	1.1	1.4	1.1	1.1	1.2	1.3	1.3	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	0.116	0.124	0.143	0.204	0.140	0.097	0.087	0.103	0.105	0.094	0.149	0.129
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	1.2	1.4	2.0	1.4	1.0	0.9	1.0	1.1	0.9	1.5	1.3

Licensee Comments:

6/12: Total Leakage is being reported in lieu of Identified Leakage

3/12: Total Leakage is being reported in lieu of Identified Leakage.

12/11: Total Leakage is being reported in lieu of Identified Leakage.

9/11: Total Leakage is being reported in lieu of Identified Leakage.

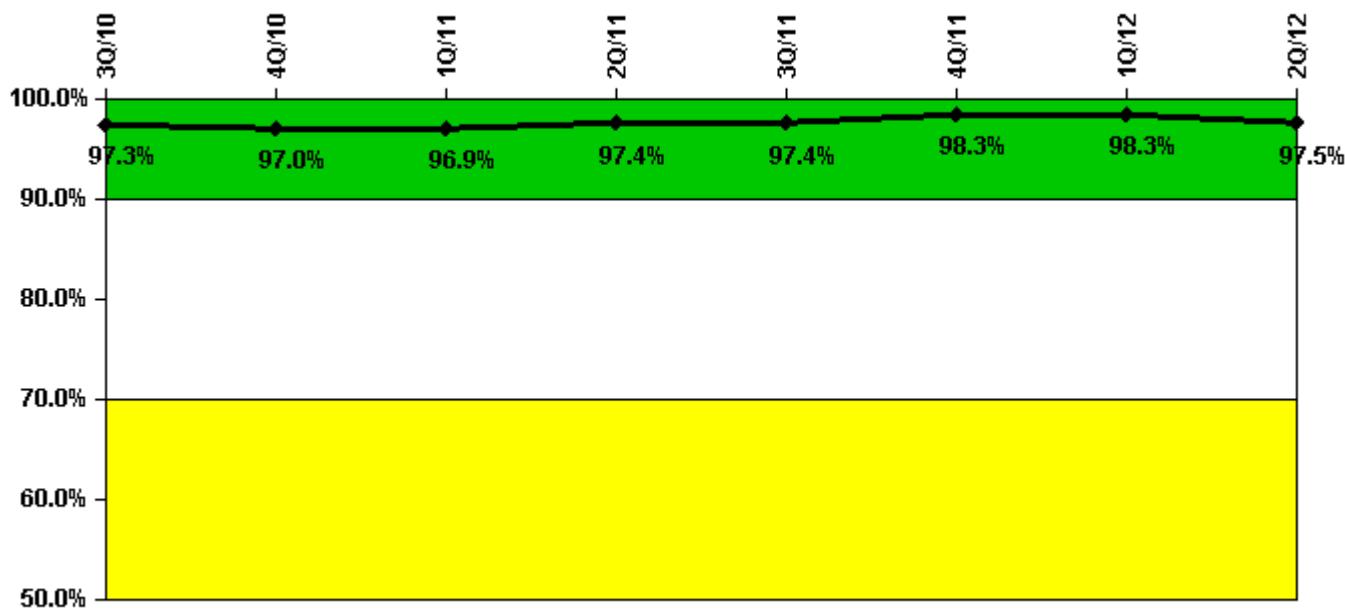
6/11: Total Leakage is being reported in lieu of Identified Leakage.

3/11: Total Leakage is being reported in lieu of Identified Leakage.

12/10: Total Leakage is being reported in lieu of Identified Leakage.

9/10: Total Leakage is being reported in lieu of Identified Leakage

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful opportunities	35.0	17.0	11.0	39.0	17.0	9.0	21.0	48.0
Total opportunities	35.0	18.0	11.0	40.0	17.0	10.0	21.0	50.0
Indicator value	97.3%	97.0%	96.9%	97.4%	97.4%	98.3%	98.3%	97.5%

Licensee Comments:

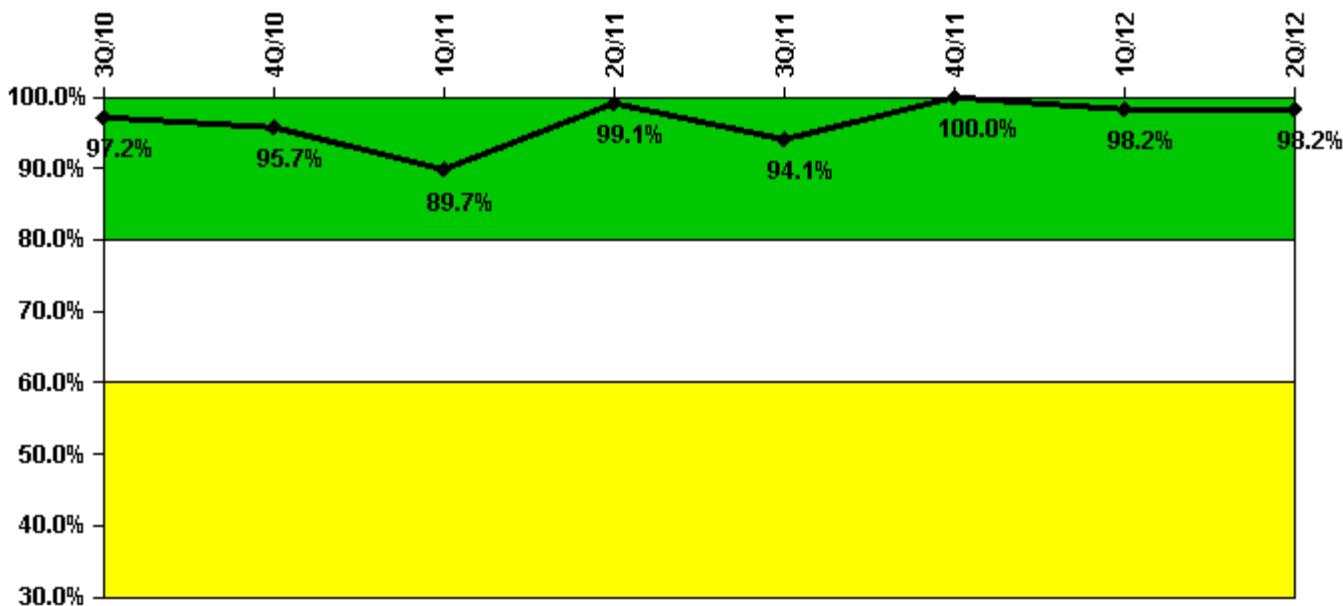
3Q/11: The April 2011 ERO Drill Exercise Performance was revised with the 3rd quarter 2011 submittal. April Successful Drills and Total Drills were reduced from 11 each, to 10 each. This revision does not affect the indicator color.

2Q/11: The April 2011 ERO Drill Exercise Performance was revised with the 3rd quarter 2011 submittal. April Successful Drills and Total Drills were reduced from 11 each, to 10 each. This revision does not affect the indicator color.

1Q/11: Two additional Successful Event Opportunities and two Total Event Opportunities were identified that were not included in the original June 2009 data submittal. Both June 2009 data elements were revised from 22 to 24 in the first quarter 2011 data submittal. This results in no significant change to the 8 quarter performance indicator.

3Q/10: One (1) ANO Notifications Performance Indicator for a 10/21/2009 Tabletop Evaluation has been changed from successful to unsuccessful. This was discovered during an NRC Inspection conducted 09/20/2010 through 09/24/2010.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

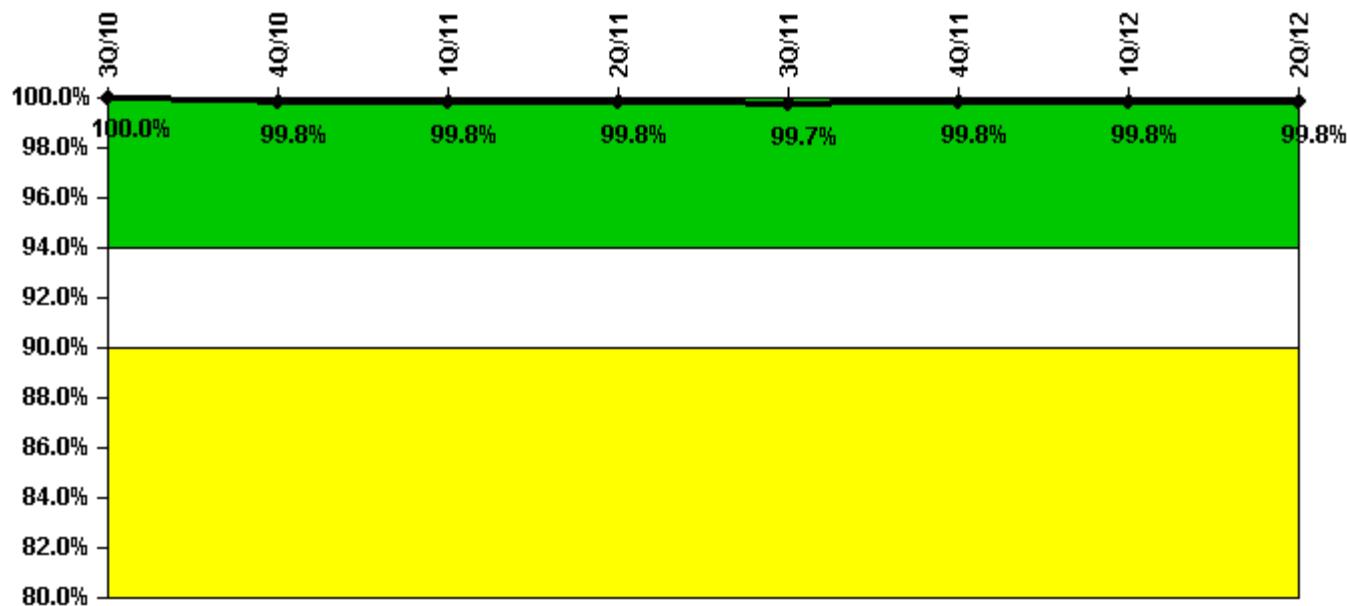
Notes

ERO Drill Participation	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Participating Key personnel	106.0	110.0	105.0	114.0	111.0	114.0	111.0	112.0
Total Key personnel	109.0	115.0	117.0	115.0	118.0	114.0	113.0	114.0
Indicator value	97.2%	95.7%	89.7%	99.1%	94.1%	100.0%	98.2%	98.2%

Licensee Comments:

2Q/11: In the 2nd Quarter 2011, Emergency Planning determined that 3 historical ERO drills were not eligible to be counted as performance indicator drills. As a result, credit for historical ERO drill participation was removed for several ERO members. This resulted in data revisions to the ERO Drill Participation PI from the 3rd Quarter 2009 to the 1st Quarter 2011. These revisions did not change the ERO Drill Participation PI color for these periods.

Alert & Notification System



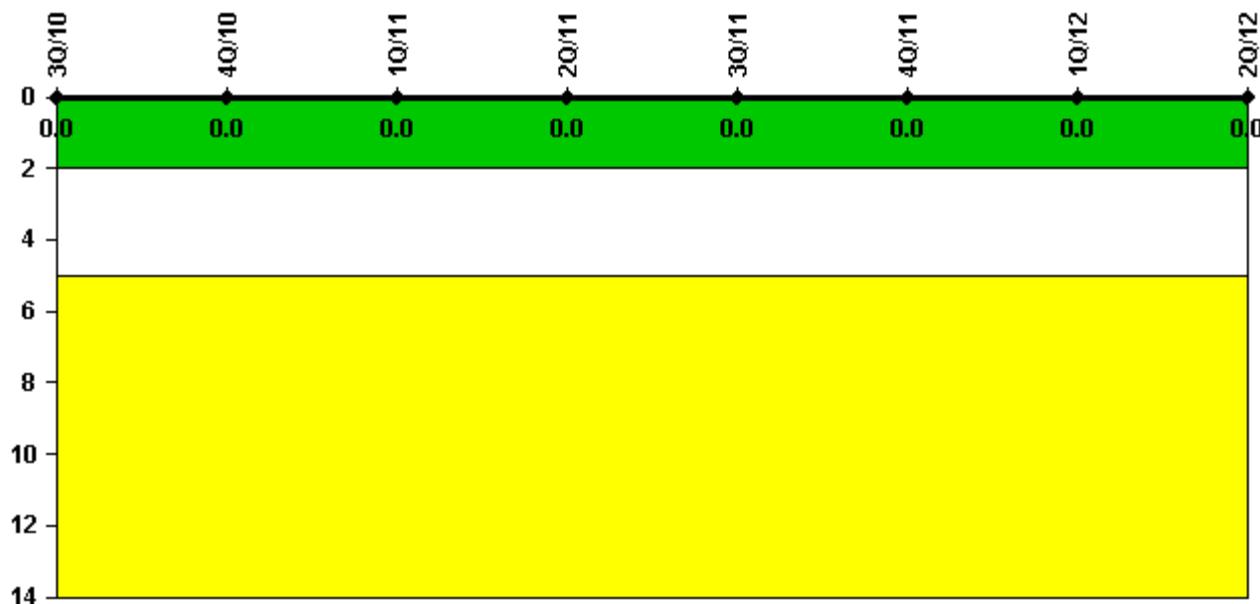
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful siren-tests	147	146	147	147	146	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	100.0%	99.8%	99.8%	99.8%	99.7%	99.8%	99.8%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



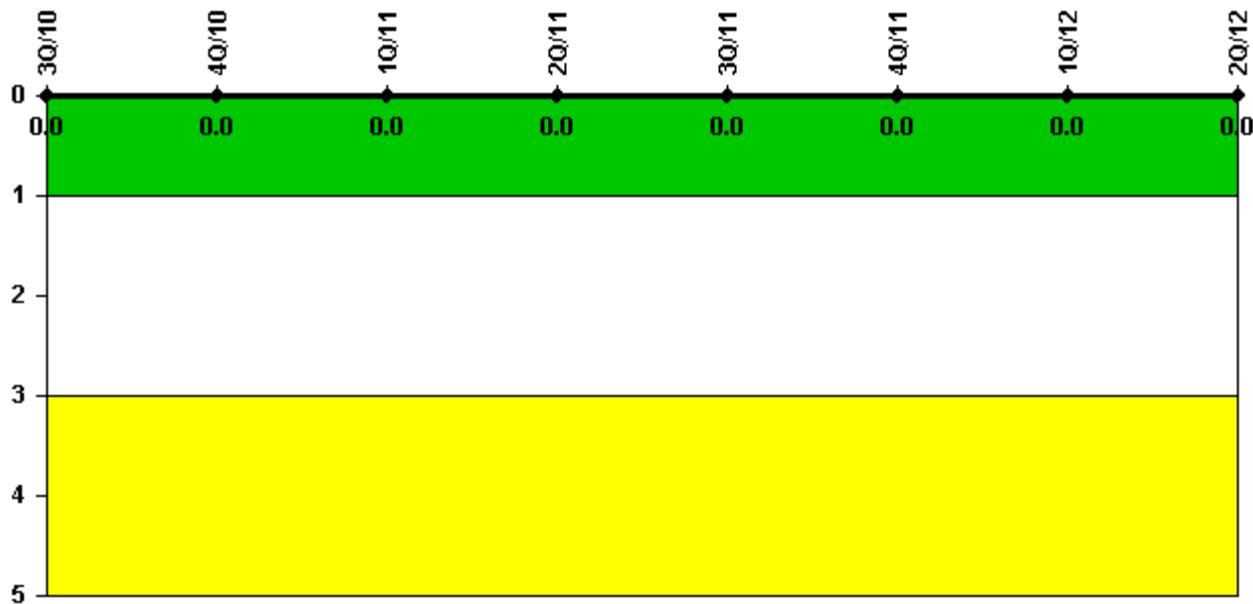
Thresholds: White > 2.0 Yellow > 5.0

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.



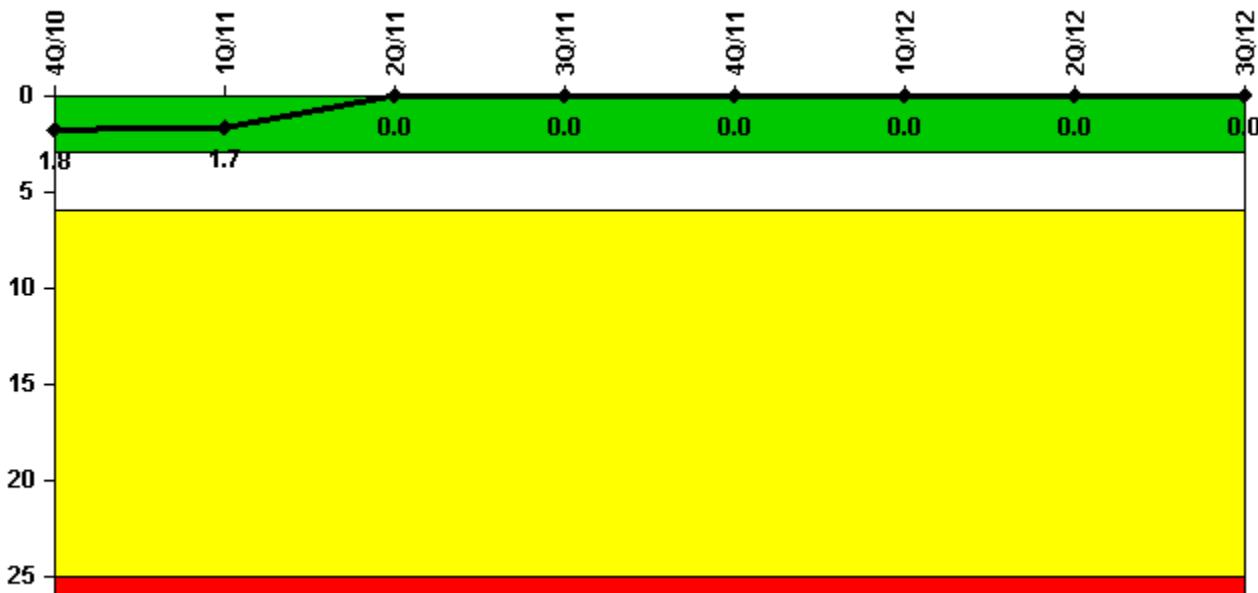
[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Arkansas Nuclear 1

3Q/2012 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



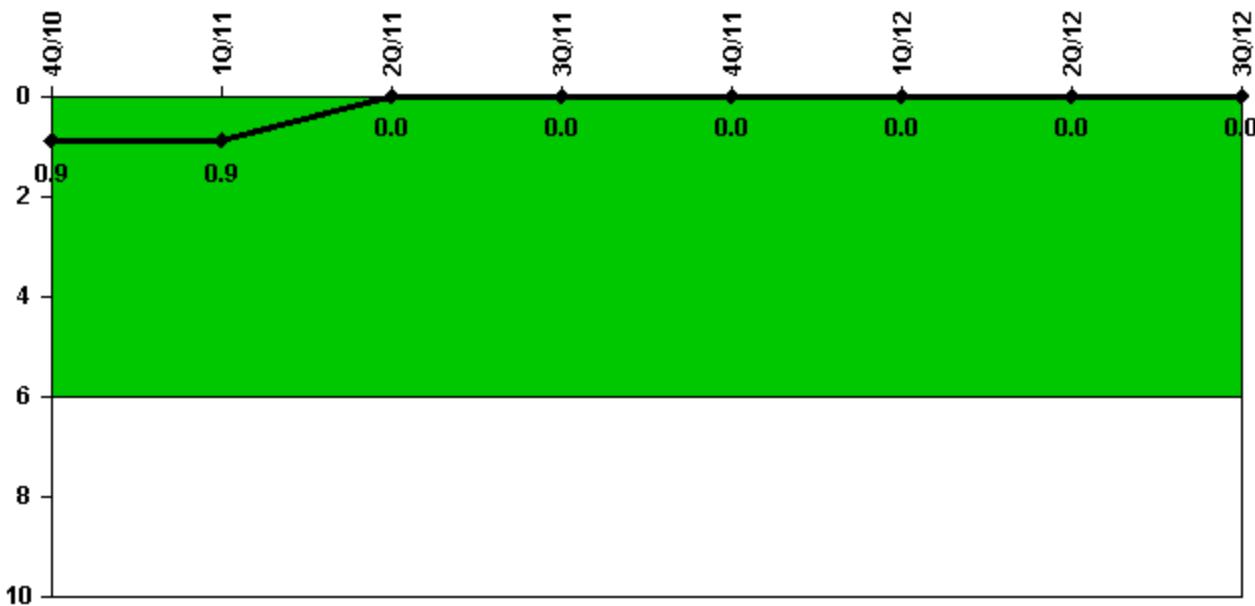
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2159.0	2184.0	2208.0	1350.0	2183.0	2184.0	2208.0
Indicator value	1.8	1.7	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



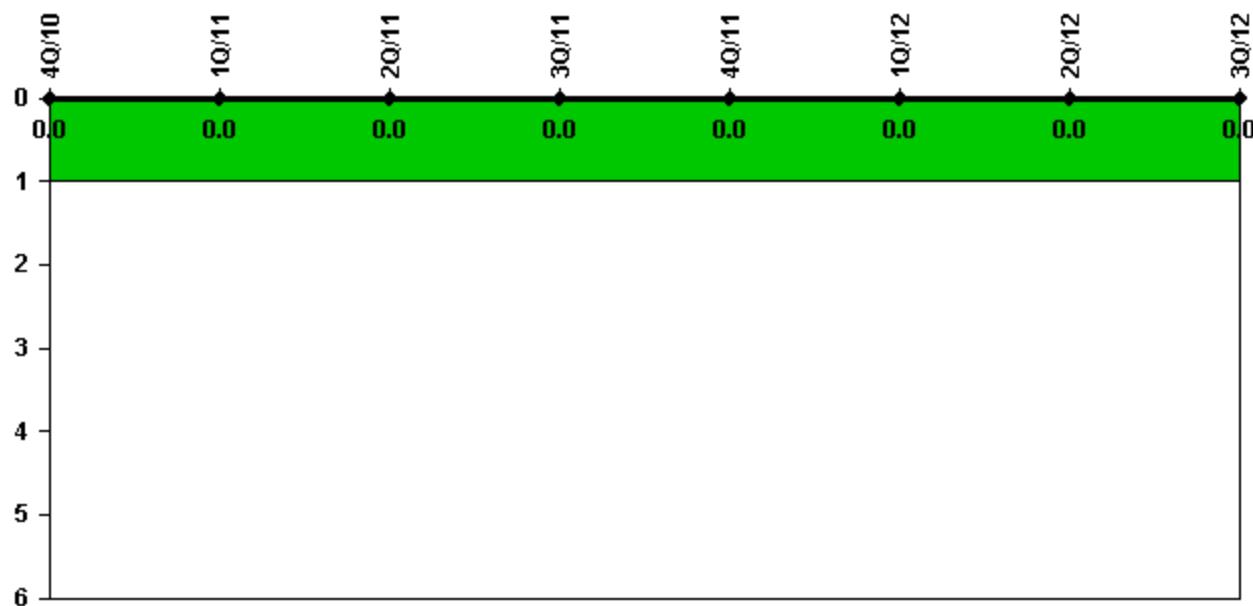
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	1350.0	2183.0	2184.0	2208.0
Indicator value	0.9	0.9	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



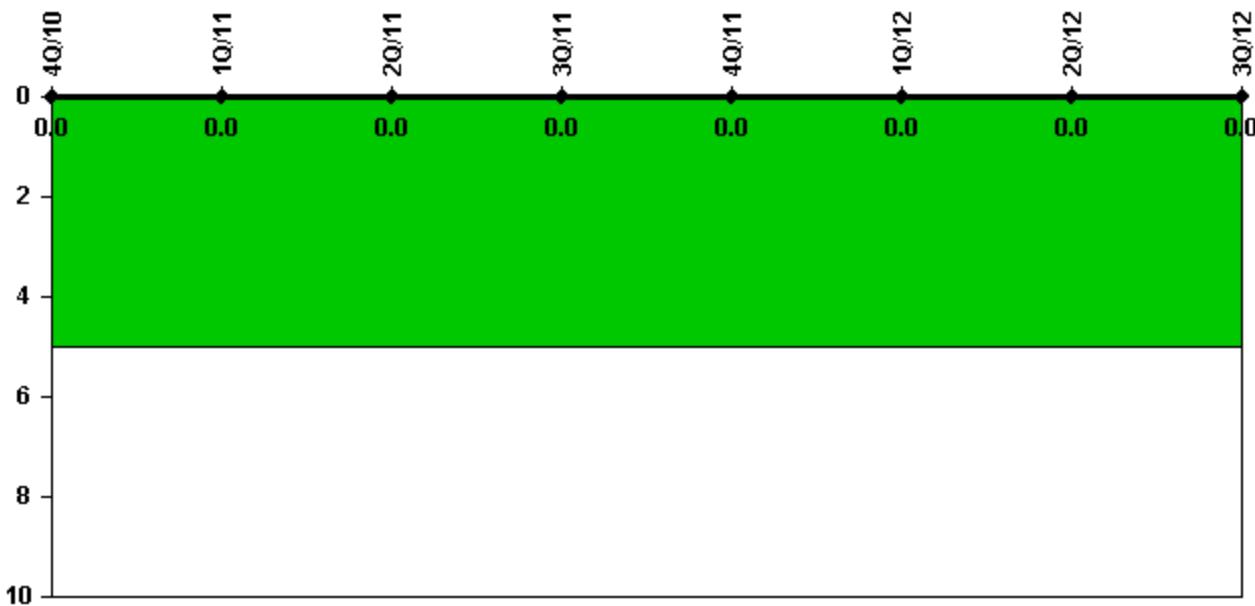
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/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)



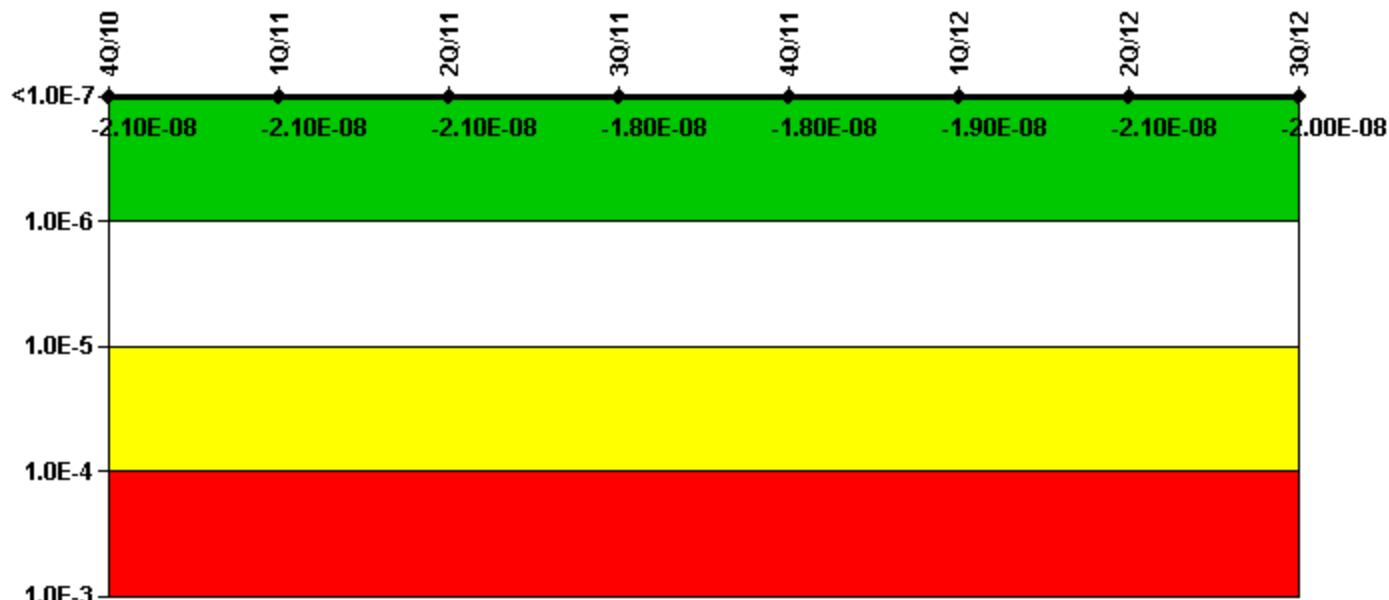
Thresholds: White > 5.0

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	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

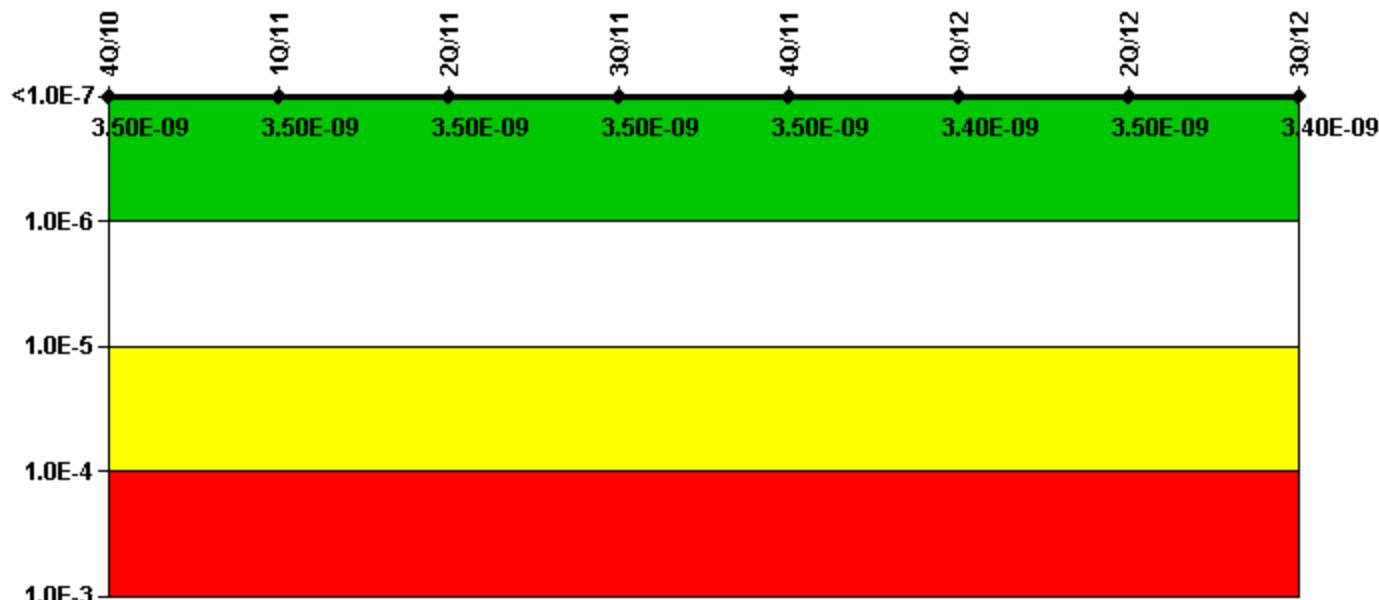
Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	-2.38E-09	-2.38E-09	-2.38E-09	1.00E-09	8.20E-10	7.97E-10	-2.38E-09	-2.38E-09
URI (Δ CDF)	-1.82E-08	-1.82E-08	-1.83E-08	-1.90E-08	-1.91E-08	-1.93E-08	-1.88E-08	-1.81E-08
PLE	NO							
Indicator value	-2.10E-08	-2.10E-08	-2.10E-08	-1.80E-08	-1.80E-08	-1.90E-08	-2.10E-08	-2.00E-08

Licensee Comments:

1Q/12: The ANO-1 MSPI Basis Document was revised in the 1Q2012 to add the Emergency Diesel Generator (EDG) fuel oil transfer pumps to the scope of the EDG supercomponent boundary. There were no MSPI coefficient changes required as a result of this revision.

Mitigating Systems Performance Index, High Pressure Injection System



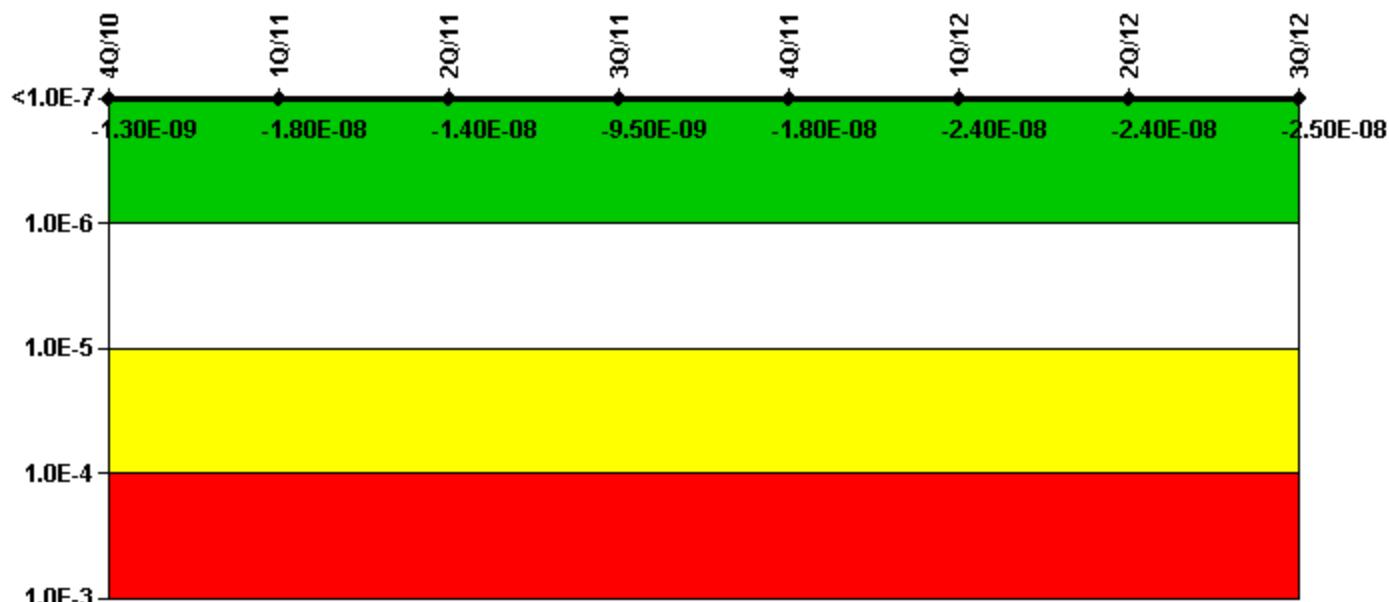
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-4.47E-12	-4.45E-12	-4.45E-12	8.63E-13	4.87E-13	6.87E-12	-3.28E-14	-3.28E-14
URI (Δ CDF)	3.54E-09	3.54E-09	3.51E-09	3.46E-09	3.51E-09	3.38E-09	3.48E-09	3.40E-09
PLE	NO							
Indicator value	3.50E-09	3.50E-09	3.50E-09	3.50E-09	3.50E-09	3.40E-09	3.50E-09	3.40E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



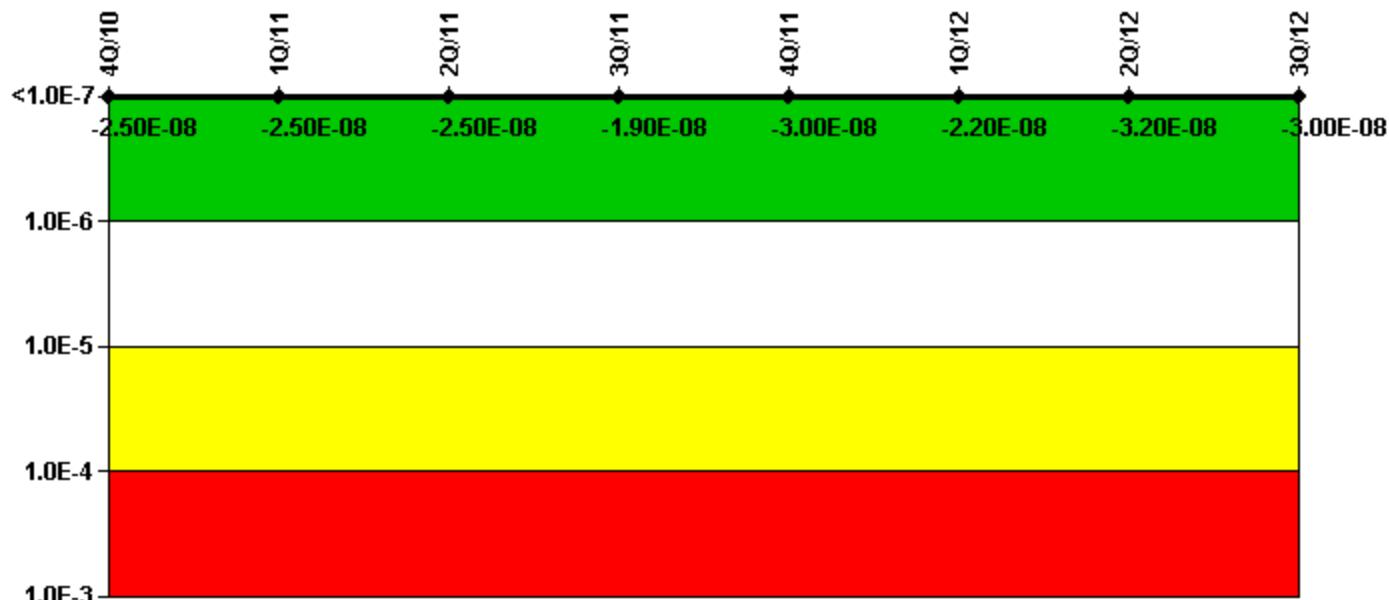
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	2.60E-08	9.71E-09	1.31E-08	1.77E-08	8.94E-09	3.67E-09	2.89E-09	2.23E-09
URI (Δ CDF)	-2.73E-08	-2.73E-08	-2.72E-08	-2.71E-08	-2.70E-08	-2.73E-08	-2.73E-08	-2.73E-08
PLE	NO							
Indicator value	-1.30E-09	-1.80E-08	-1.40E-08	-9.50E-09	-1.80E-08	-2.40E-08	-2.40E-08	-2.50E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



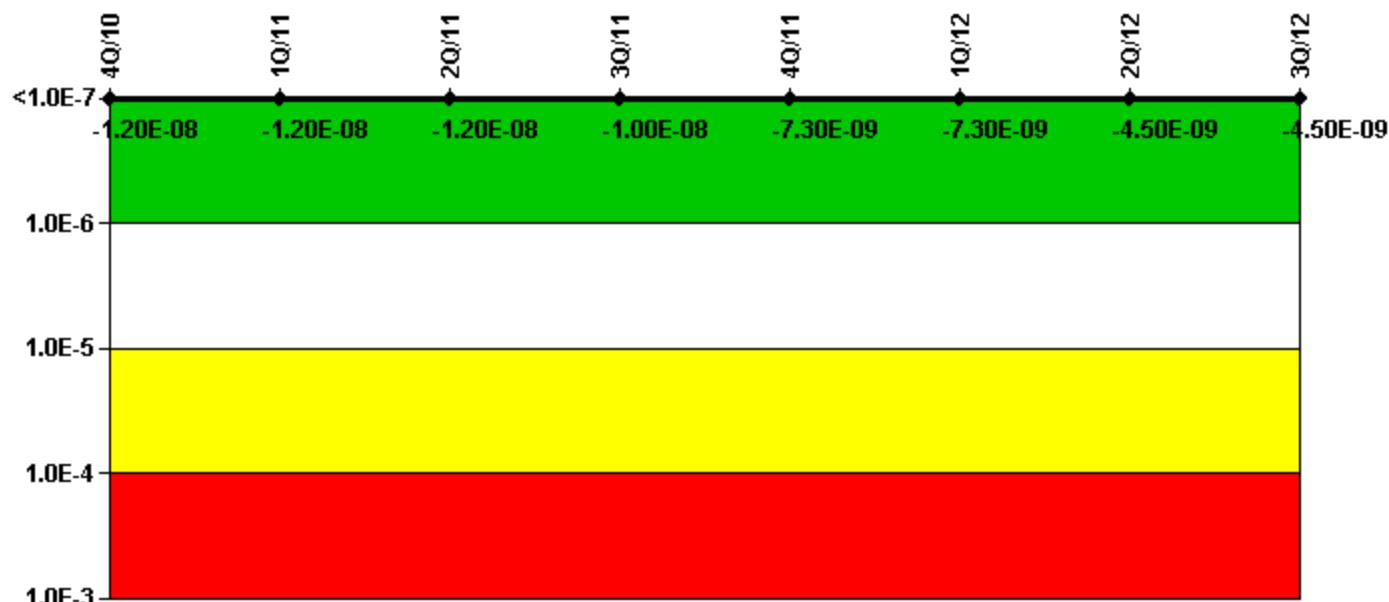
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	1.13E-08	1.14E-08	1.14E-08	1.79E-08	9.39E-09	1.69E-08	6.66E-09	1.03E-08
URI (Δ CDF)	-3.65E-08	-3.65E-08	-3.65E-08	-3.65E-08	-3.89E-08	-3.88E-08	-3.88E-08	-3.98E-08
PLE	NO							
Indicator value	-2.50E-08	-2.50E-08	-2.50E-08	-1.90E-08	-3.00E-08	-2.20E-08	-3.20E-08	-3.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

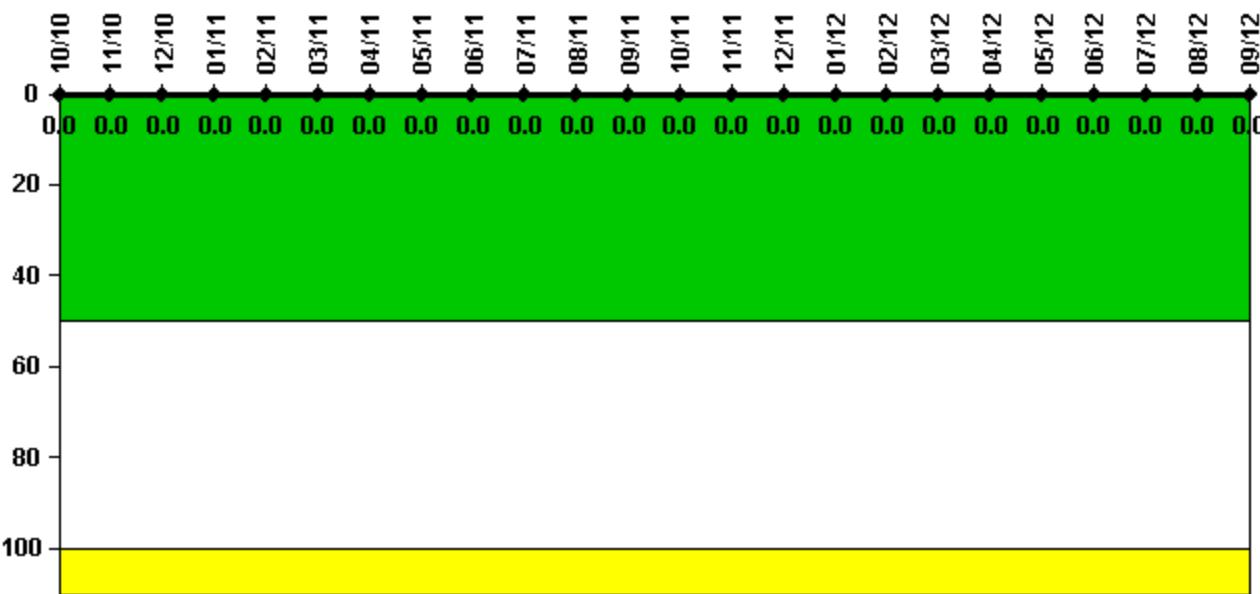
Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
UAI (Δ CDF)	-4.22E-09	-4.22E-09	-4.22E-09	-2.74E-09	-2.75E-09	-2.75E-09	-2.75E-09	-2.75E-09
URI (Δ CDF)	-7.30E-09	-7.30E-09	-7.31E-09	-7.31E-09	-4.51E-09	-4.51E-09	-1.70E-09	-1.71E-09
PLE	NO							
Indicator value	-1.20E-08	-1.20E-08	-1.20E-08	-1.00E-08	-7.30E-09	-7.30E-09	-4.50E-09	-4.50E-09

Licensee Comments:

3Q/11: As of the 3rd Quarter 2011 reporting period, the ANO-1 MSPI Basis Document was revised. The MSPI Cooling Water System is now defined as a two train system with a swing pump, instead of the previously defined multi-segment system.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

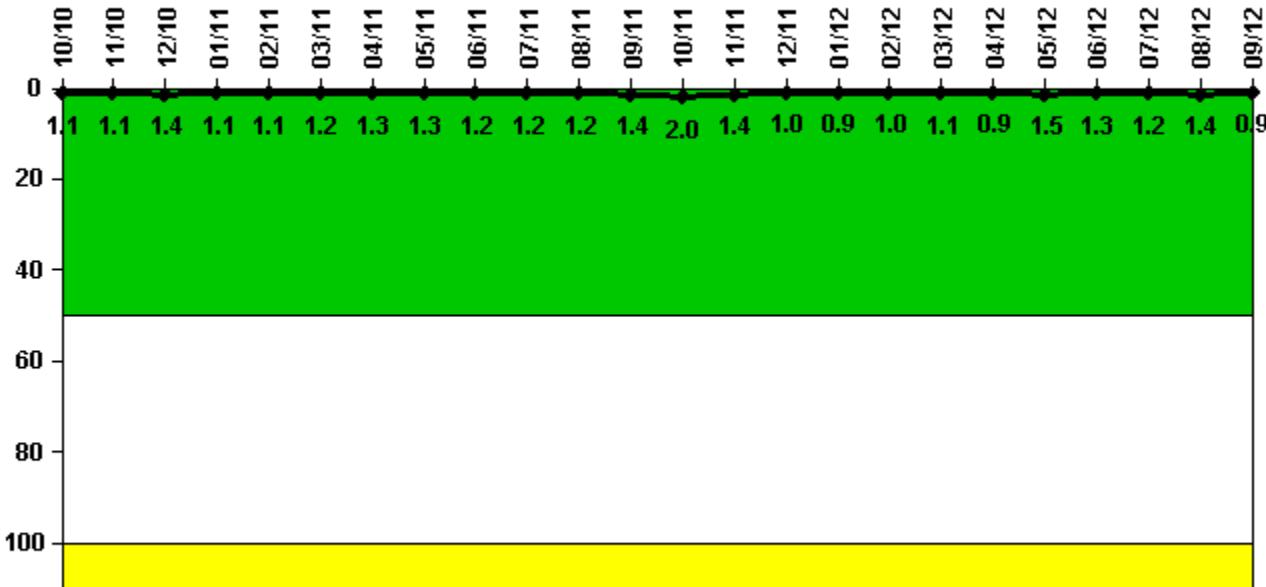
Notes

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	0.000313	0.000372	0.000279	0.000301	0.000358	0.000354	0.000305	0.000300	0.000227	0.000226	0.000182	0.000268
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	0	0	0	0	0

Reactor Coolant System Activity	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum activity	0.000404	0.000082	0.000176	0.000095	0.000097	0.000160	0.000112	0.000109	0.000120	0.000114	0.000119	0.000125
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	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11
Maximum leakage	0.109	0.113	0.141	0.114	0.114	0.116	0.125	0.127	0.118	0.116	0.124	0.143
Indicator value	1.1	1.1	1.4	1.1	1.1	1.2	1.3	1.3	1.2	1.2	1.2	1.4
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	0.204	0.140	0.097	0.087	0.103	0.105	0.094	0.149	0.129	0.124	0.136	0.088
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	1.4	1.0	0.9	1.0	1.1	0.9	1.5	1.3	1.2	1.4	0.9

Licensee Comments:

9/12: Total Leakage is being reported in lieu of Identified Leakage.

6/12: Total Leakage is being reported in lieu of Identified Leakage

3/12: Total Leakage is being reported in lieu of Identified Leakage.

12/11: Total Leakage is being reported in lieu of Identified Leakage.

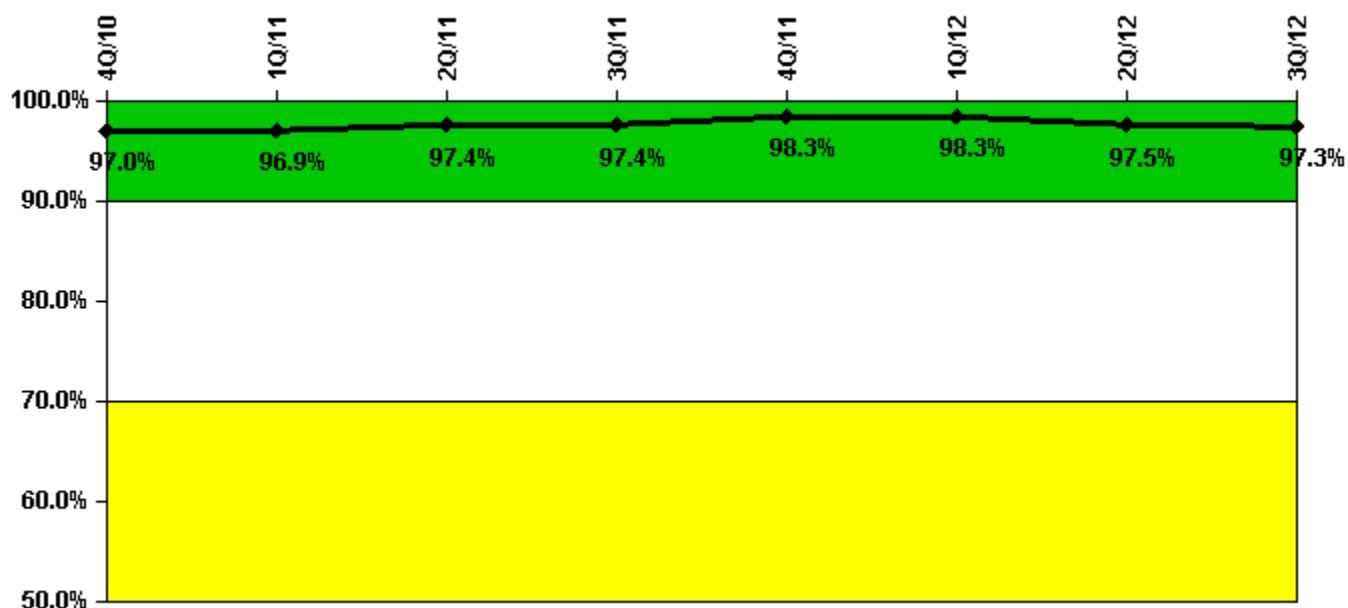
9/11: Total Leakage is being reported in lieu of Identified Leakage.

6/11: Total Leakage is being reported in lieu of Identified Leakage.

3/11: Total Leakage is being reported in lieu of Identified Leakage.

12/10: Total Leakage is being reported in lieu of Identified Leakage.

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	17.0	11.0	39.0	17.0	9.0	21.0	48.0	16.0
Total opportunities	18.0	11.0	40.0	17.0	10.0	21.0	50.0	16.0
Indicator value	97.0%	96.9%	97.4%	97.4%	98.3%	98.3%	97.5%	97.3%

Licensee Comments:

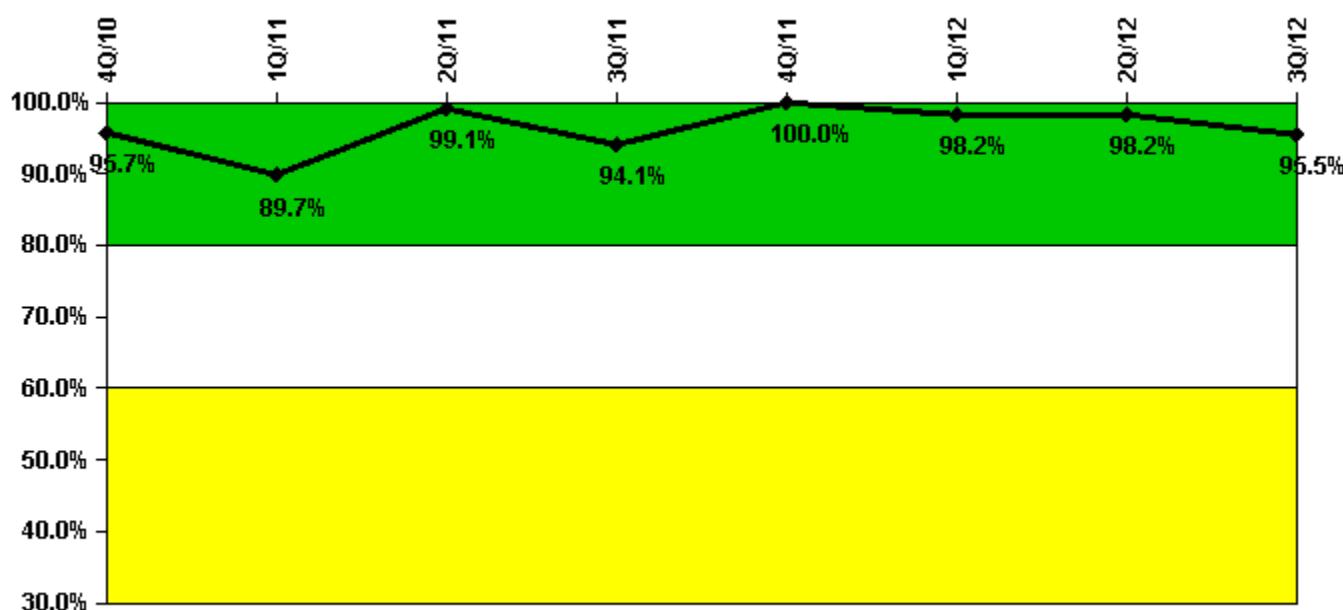
3Q/11: The April 2011 ERO Drill Exercise Performance was revised with the 3rd quarter 2011 submittal. April Successful Drills and Total Drills were reduced from 11 each, to 10 each. This revision does not affect the indicator color.

2Q/11: The April 2011 ERO Drill Exercise Performance was revised with the 3rd quarter 2011 submittal. April

Successful Drills and Total Drills were reduced from 11 each, to 10 each. This revision does not affect the indicator color.

1Q/11: Two additional Successful Event Opportunities and two Total Event Opportunities were identified that were not included in the original June 2009 data submittal. Both June 2009 data elements were revised from 22 to 24 in the first quarter 2011 data submittal. This results in no significant change to the 8 quarter performance indicator.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

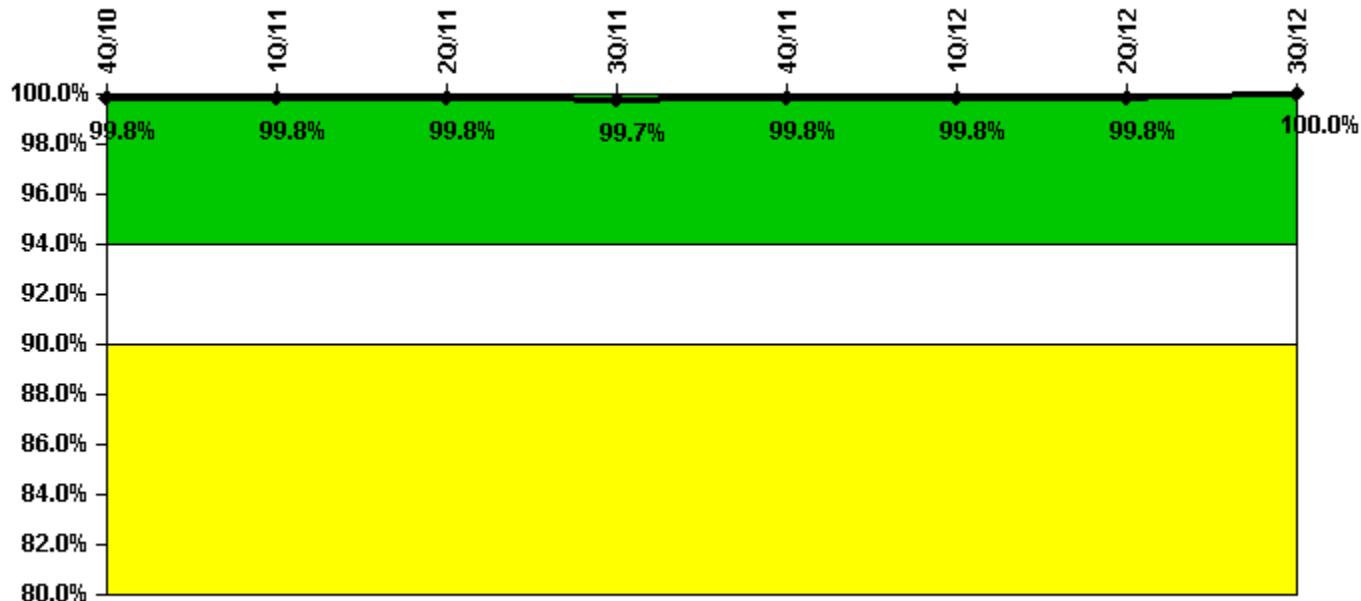
Notes

ERO Drill Participation	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Participating Key personnel	110.0	105.0	114.0	111.0	114.0	111.0	112.0	106.0
Total Key personnel	115.0	117.0	115.0	118.0	114.0	113.0	114.0	111.0
Indicator value	95.7%	89.7%	99.1%	94.1%	100.0%	98.2%	98.2%	95.5%

Licensee Comments:

2Q/11: In the 2nd Quarter 2011, Emergency Planning determined that 3 historical ERO drills were not eligible to be counted as performance indicator drills. As a result, credit for historical ERO drill participation was removed for several ERO members. This resulted in data revisions to the ERO Drill Participation PI from the 3rd Quarter 2009 to the 1st Quarter 2011. These revisions did not change the ERO Drill Participation PI color for these periods.

Alert & Notification System



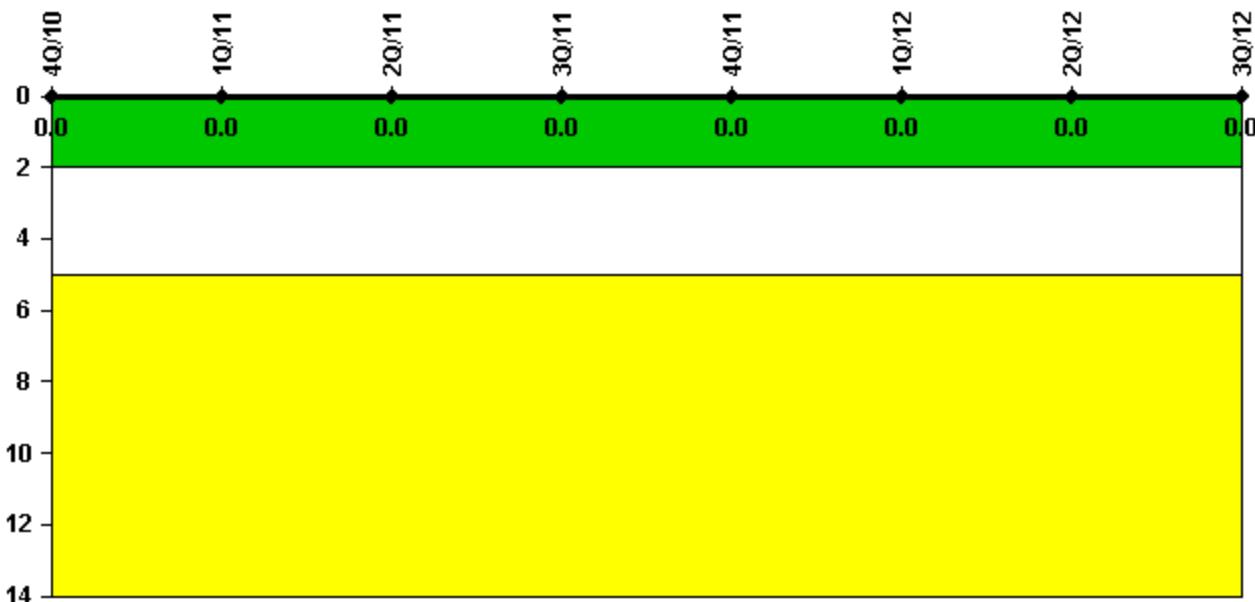
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Successful siren-tests	146	147	147	146	147	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.8%	99.8%	99.8%	99.7%	99.8%	99.8%	99.8%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness

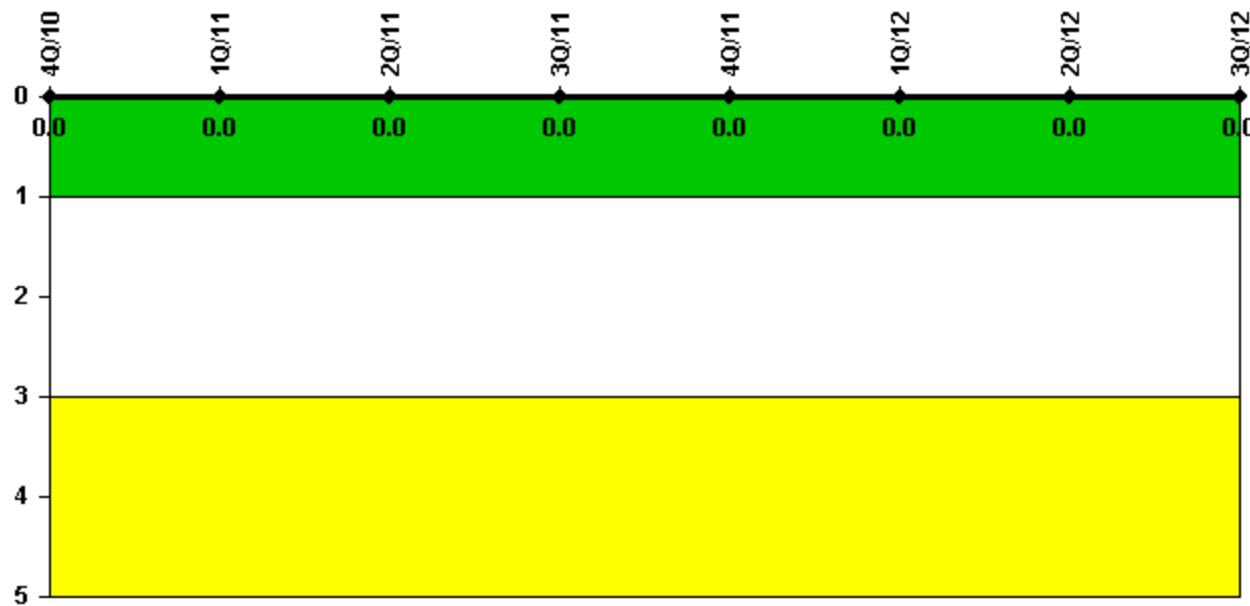


Thresholds: White > 2.0 Yellow > 5.0

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

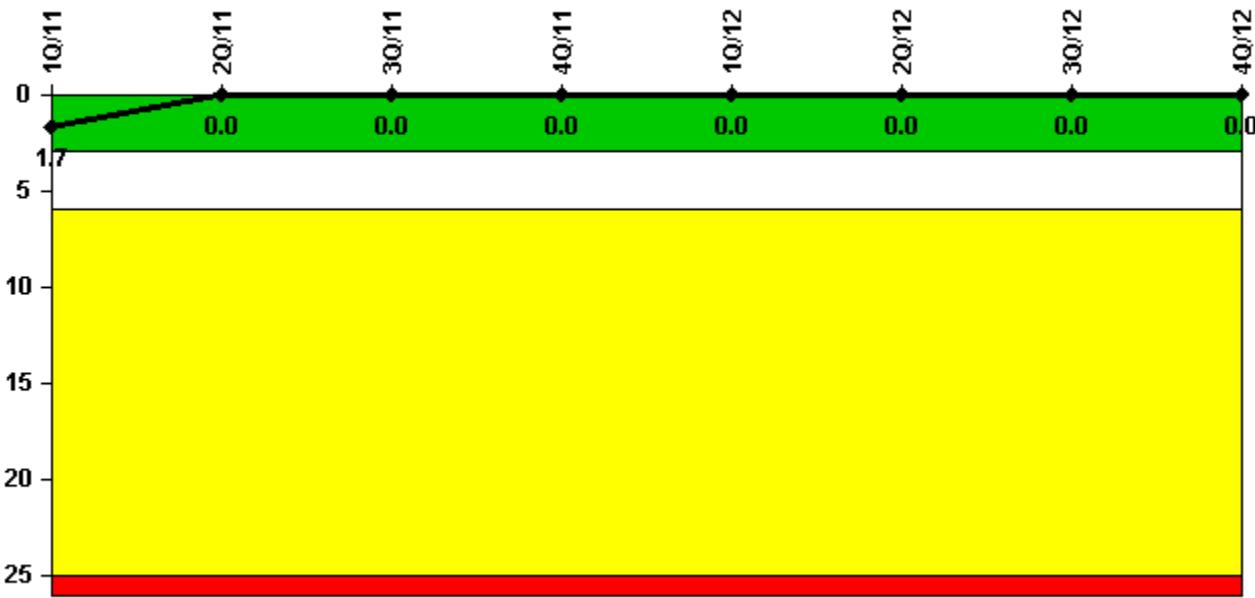
Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information 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

Arkansas Nuclear 1**4Q/2012 Performance Indicators**

Licensee's General Comments: none

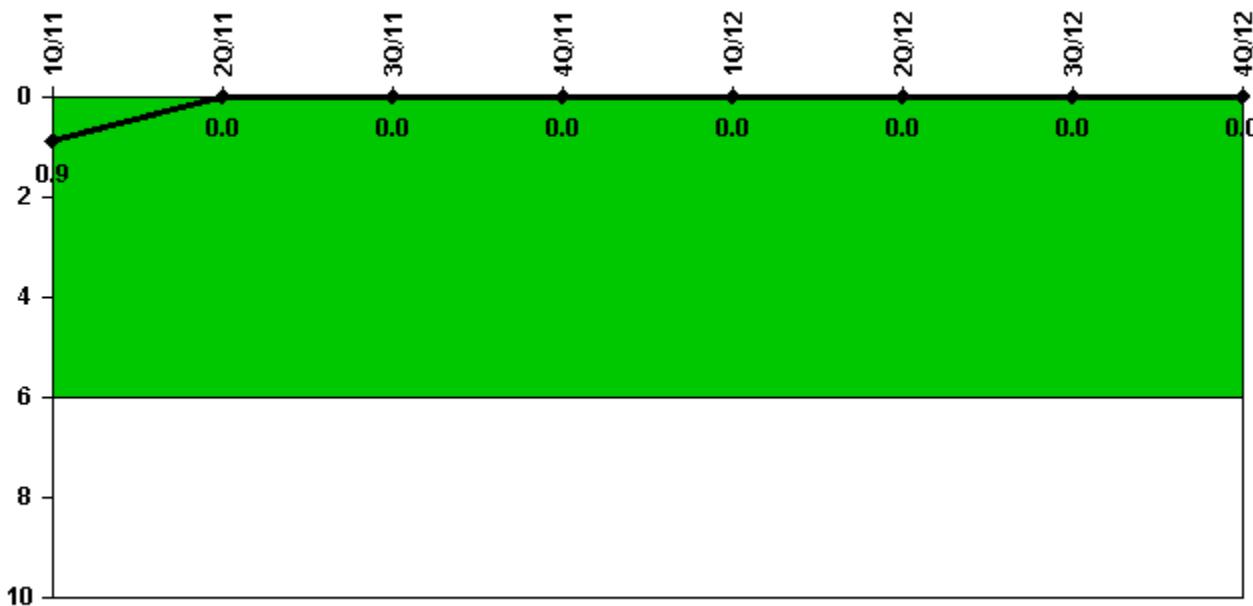
Unplanned Scrams per 7000 Critical Hrs

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	2159.0	2184.0	2208.0	1350.0	2183.0	2184.0	2208.0	2209.0
Indicator value	1.7	0						

Licensee Comments: none

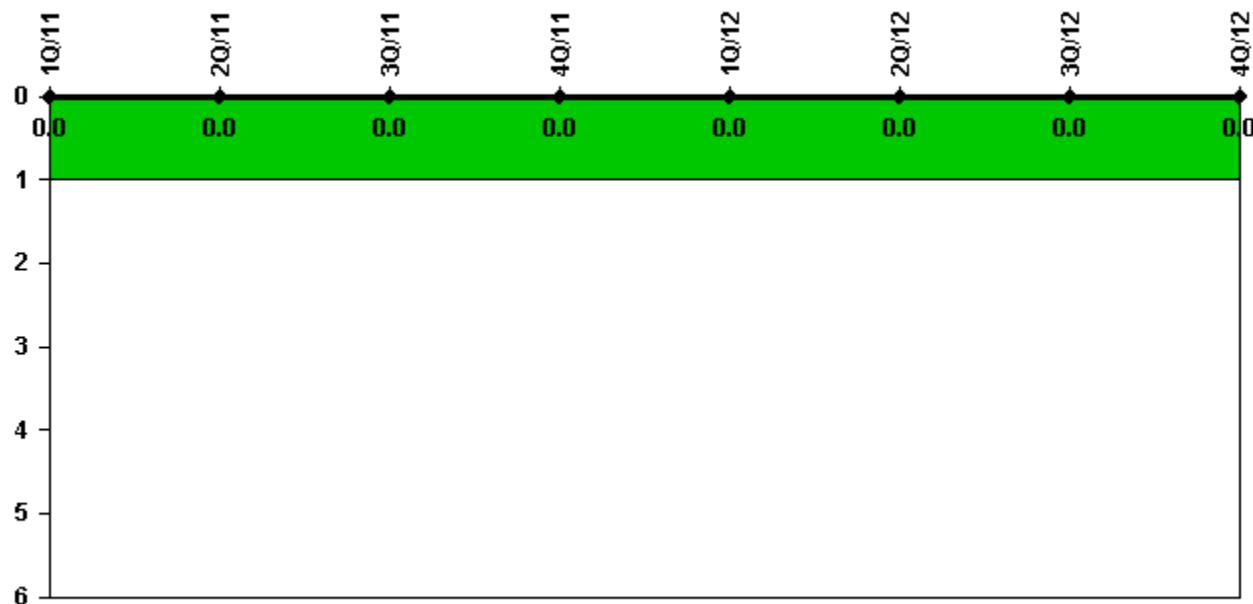
Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	1350.0	2183.0	2184.0	2208.0	2209.0
Indicator value	0.9	0						

Licensee Comments: none

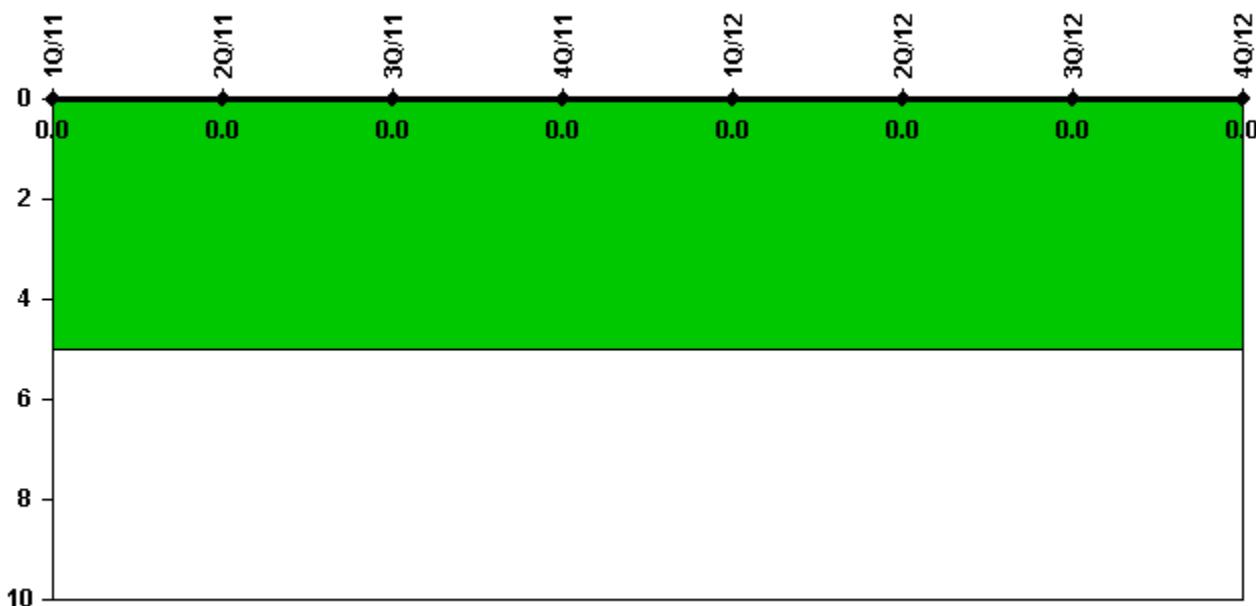
Unplanned Scrams with Complications

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

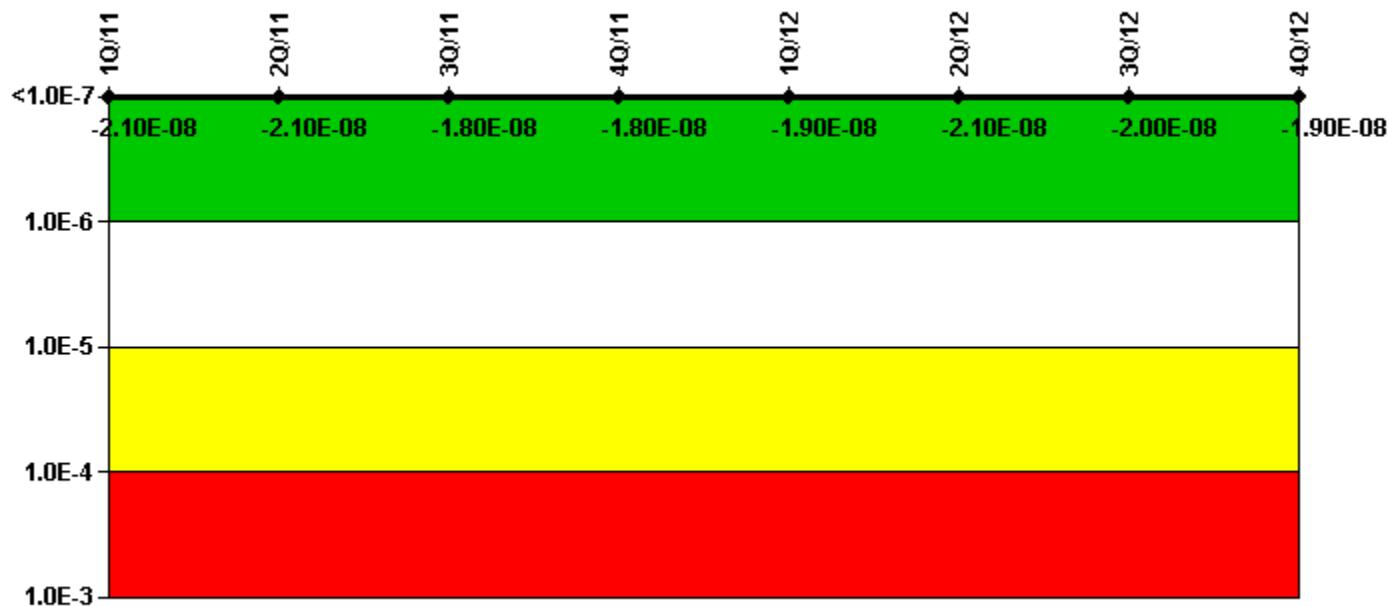
Safety System Functional Failures (PWR)

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	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

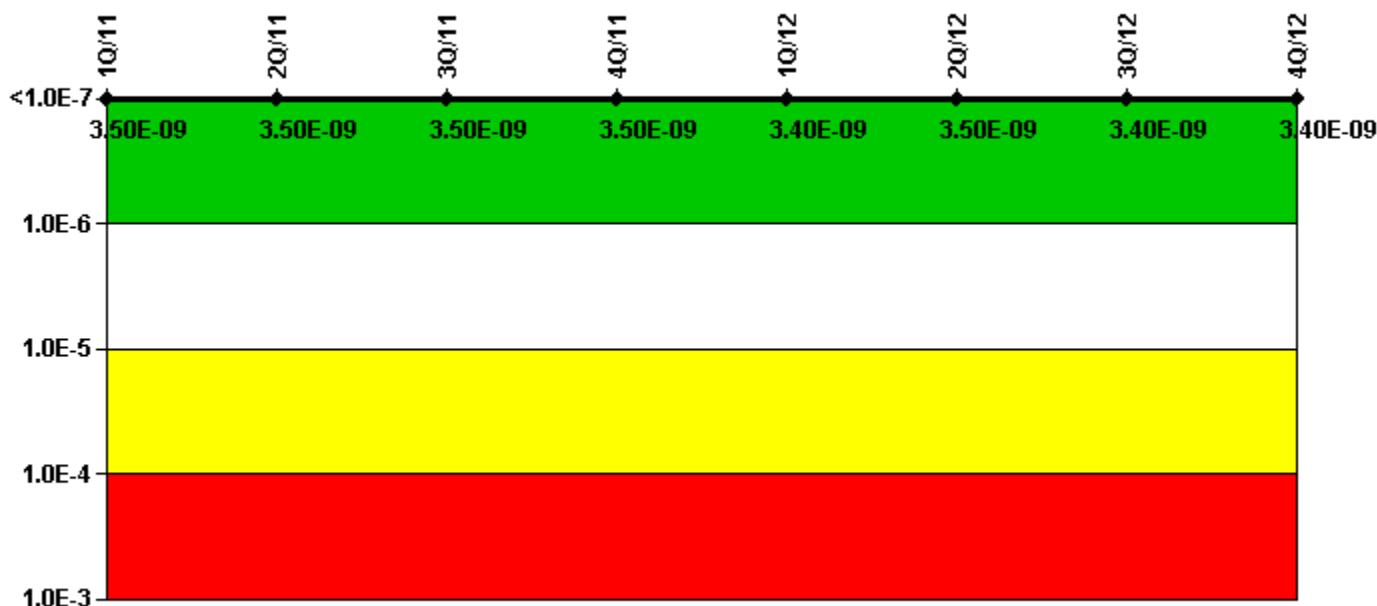
Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (Δ CDF)	-2.38E-09	-2.38E-09	1.00E-09	8.20E-10	7.97E-10	-2.38E-09	-2.38E-09	-2.38E-09
URI (Δ CDF)	-1.82E-08	-1.83E-08	-1.90E-08	-1.91E-08	-1.93E-08	-1.88E-08	-1.81E-08	-1.71E-08
PLE	NO							
Indicator value	-2.10E-08	-2.10E-08	-1.80E-08	-1.80E-08	-1.90E-08	-2.10E-08	-2.00E-08	-1.90E-08

Licensee Comments:

1Q/12: The ANO-1 MSPI Basis Document was revised in the 1Q2012 to add the Emergency Diesel Generator (EDG) fuel oil transfer pumps to the scope of the EDG supercomponent boundary. There were no MSPI coefficient changes required as a result of this revision.

Mitigating Systems Performance Index, High Pressure Injection System

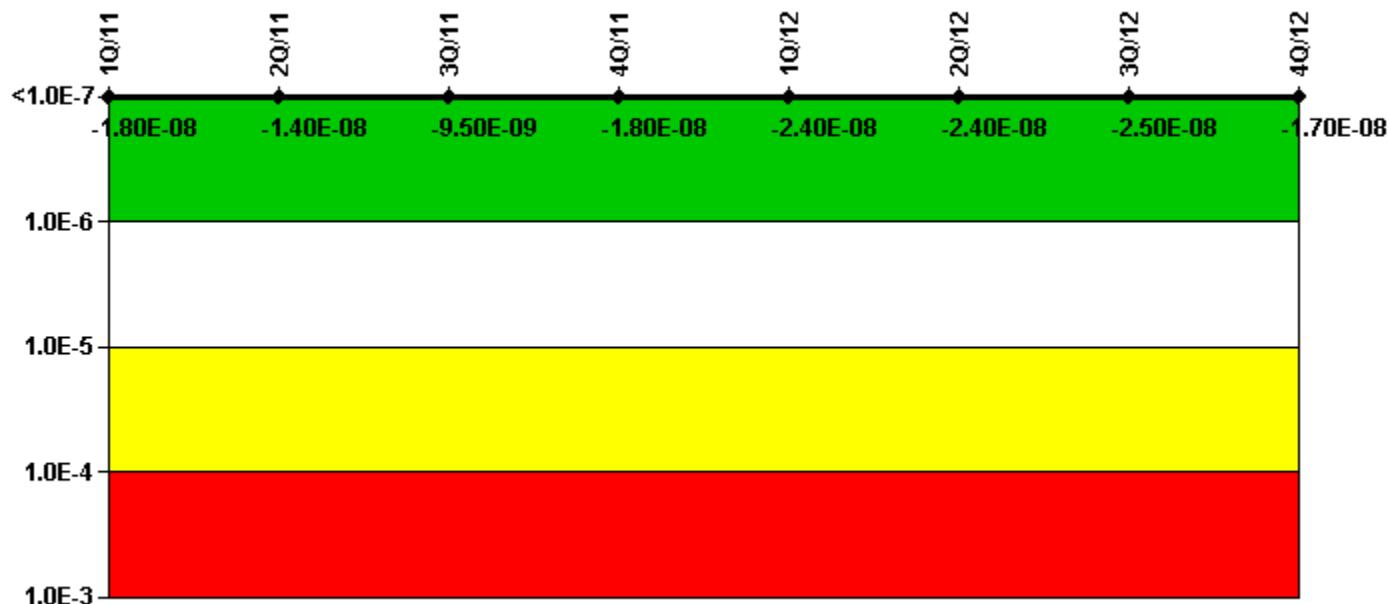


Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-4.45E-12	-4.45E-12	8.63E-13	4.87E-13	6.87E-12	-3.28E-14	-3.28E-14	-3.28E-14
URI (Δ CDF)	3.54E-09	3.51E-09	3.46E-09	3.51E-09	3.38E-09	3.48E-09	3.40E-09	3.43E-09
PLE	NO							
Indicator value	3.50E-09	3.50E-09	3.50E-09	3.50E-09	3.40E-09	3.50E-09	3.40E-09	3.40E-09

Licensee Comments: none

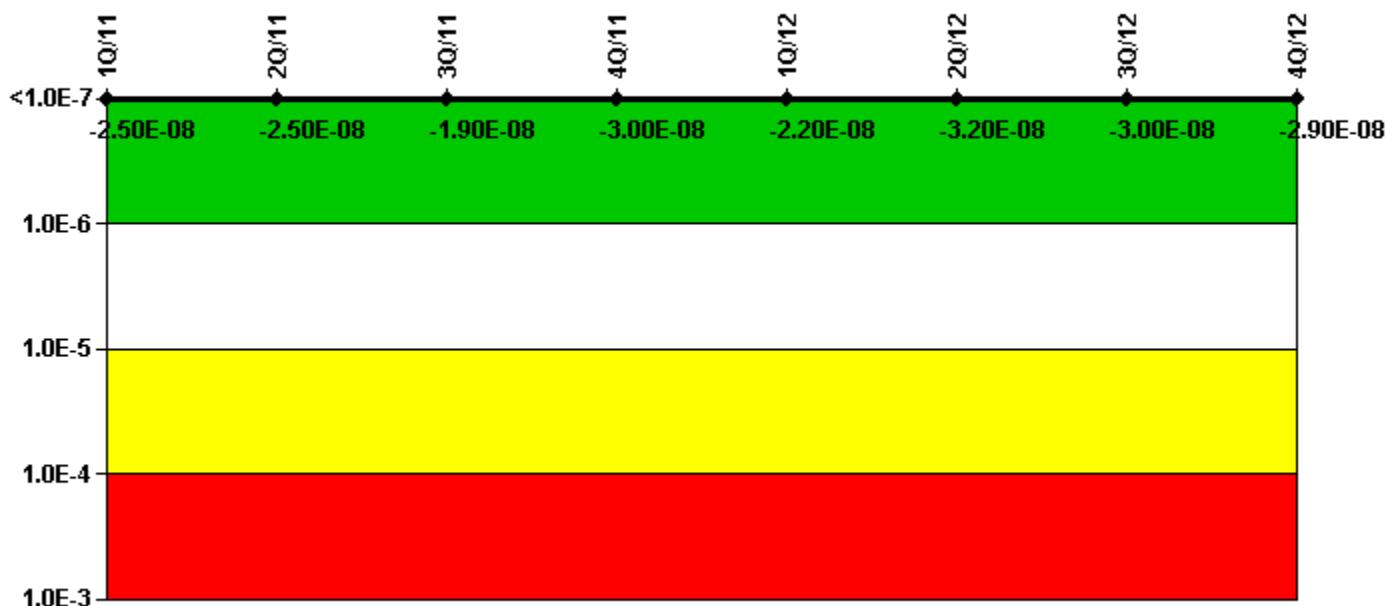
Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (Δ CDF)	9.71E-09	1.31E-08	1.77E-08	8.94E-09	3.67E-09	2.89E-09	2.23E-09	1.01E-08
URI (Δ CDF)	-2.73E-08	-2.72E-08	-2.71E-08	-2.70E-08	-2.73E-08	-2.73E-08	-2.73E-08	-2.73E-08
PLE	NO							
Indicator value	-1.80E-08	-1.40E-08	-9.50E-09	-1.80E-08	-2.40E-08	-2.40E-08	-2.50E-08	-1.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

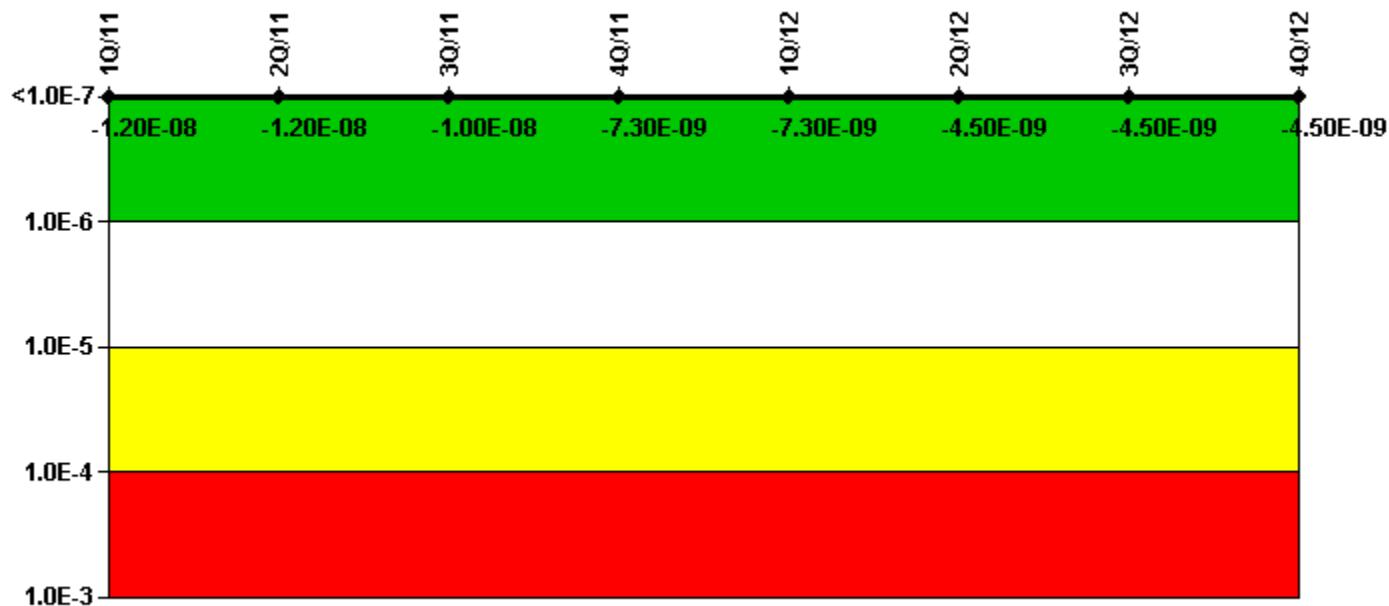
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (Δ CDF)	1.14E-08	1.14E-08	1.79E-08	9.39E-09	1.69E-08	6.66E-09	1.03E-08	1.29E-08
URI (Δ CDF)	-3.65E-08	-3.65E-08	-3.65E-08	-3.89E-08	-3.88E-08	-3.88E-08	-3.98E-08	-4.15E-08
PLE	NO							
Indicator value	-2.50E-08	-2.50E-08	-1.90E-08	-3.00E-08	-2.20E-08	-3.20E-08	-3.00E-08	-2.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



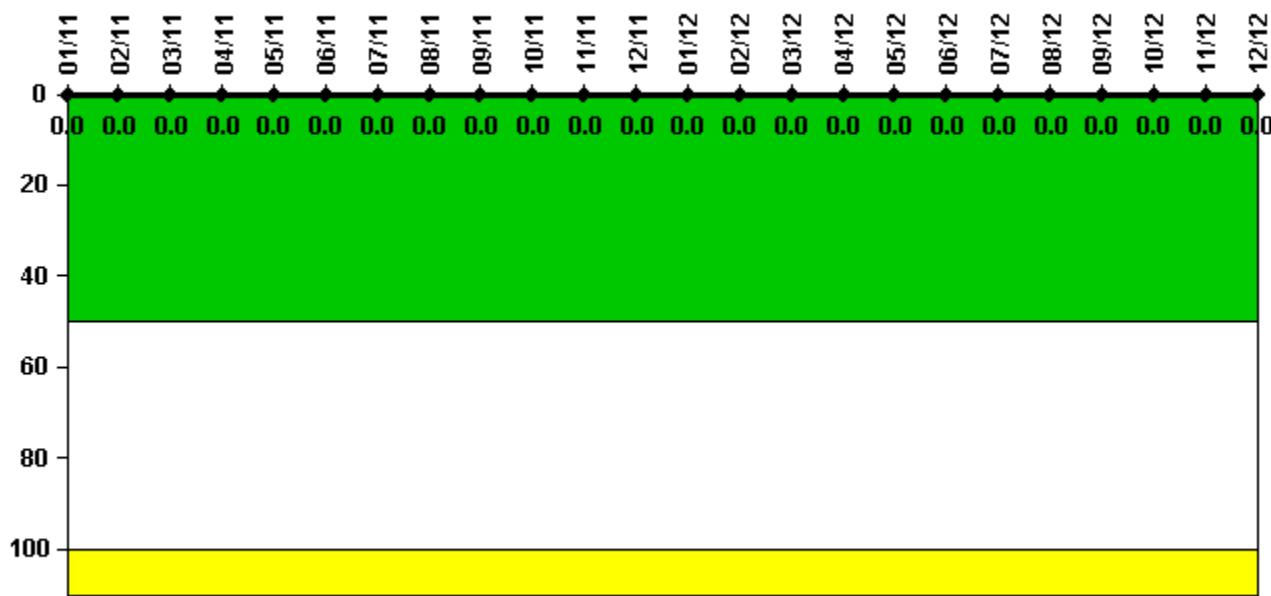
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
UAI (Δ CDF)	-4.22E-09	-4.22E-09	-2.74E-09	-2.75E-09	-2.75E-09	-2.75E-09	-2.75E-09	-2.75E-09
URI (Δ CDF)	-7.30E-09	-7.31E-09	-7.31E-09	-4.51E-09	-4.51E-09	-1.70E-09	-1.71E-09	-1.72E-09
PLE	NO							
Indicator value	-1.20E-08	-1.20E-08	-1.00E-08	-7.30E-09	-7.30E-09	-4.50E-09	-4.50E-09	-4.50E-09

Licensee Comments:

3Q/11: As of the 3rd Quarter 2011 reporting period, the ANO-1 MSPI Basis Document was revised. The MSPI Cooling Water System is now defined as a two train system with a swing pump, instead of the previously defined multi-segment system.

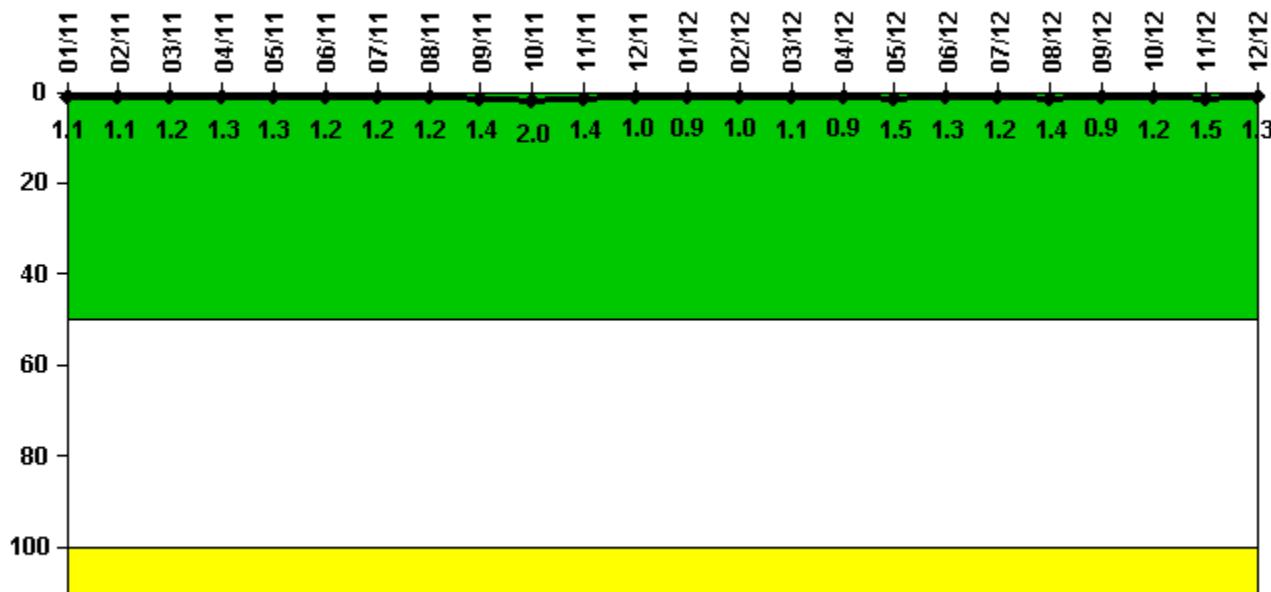
Reactor Coolant System Activity

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	0.000301	0.000358	0.000354	0.000305	0.000300	0.000227	0.000226	0.000182	0.000268	0.000404	0.000082	0.000176
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	0	0	0	0	0
Reactor Coolant System Activity	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum activity	0.000095	0.000097	0.000160	0.000112	0.000109	0.000120	0.000114	0.000119	0.000125	0.000220	0.000135	0.000204
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	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11
Maximum leakage	0.114	0.114	0.116	0.125	0.127	0.118	0.116	0.124	0.143	0.204	0.140	0.097
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	1.1	1.2	1.3	1.3	1.2	1.2	1.2	1.4	2.0	1.4	1.0
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	0.087	0.103	0.105	0.094	0.149	0.129	0.124	0.136	0.088	0.124	0.145	0.128
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	1.1	0.9	1.5	1.3	1.2	1.4	0.9	1.2	1.5	1.3

Licensee Comments:

12/12: Total Leakage is being reported in lieu of Identified Leakage.

9/12: Total Leakage is being reported in lieu of Identified Leakage.

6/12: Total Leakage is being reported in lieu of Identified Leakage

3/12: Total Leakage is being reported in lieu of Identified Leakage.

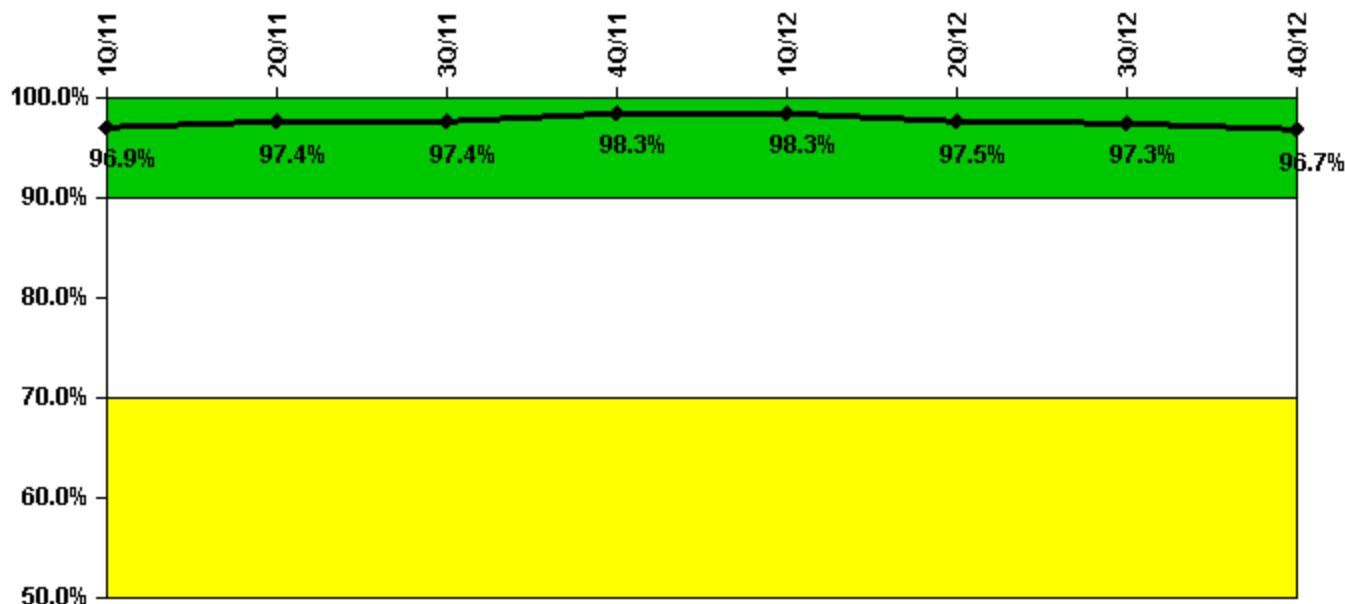
12/11: Total Leakage is being reported in lieu of Identified Leakage.

9/11: Total Leakage is being reported in lieu of Identified Leakage.

6/11: Total Leakage is being reported in lieu of Identified Leakage.

3/11: Total Leakage is being reported in lieu of Identified Leakage.

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

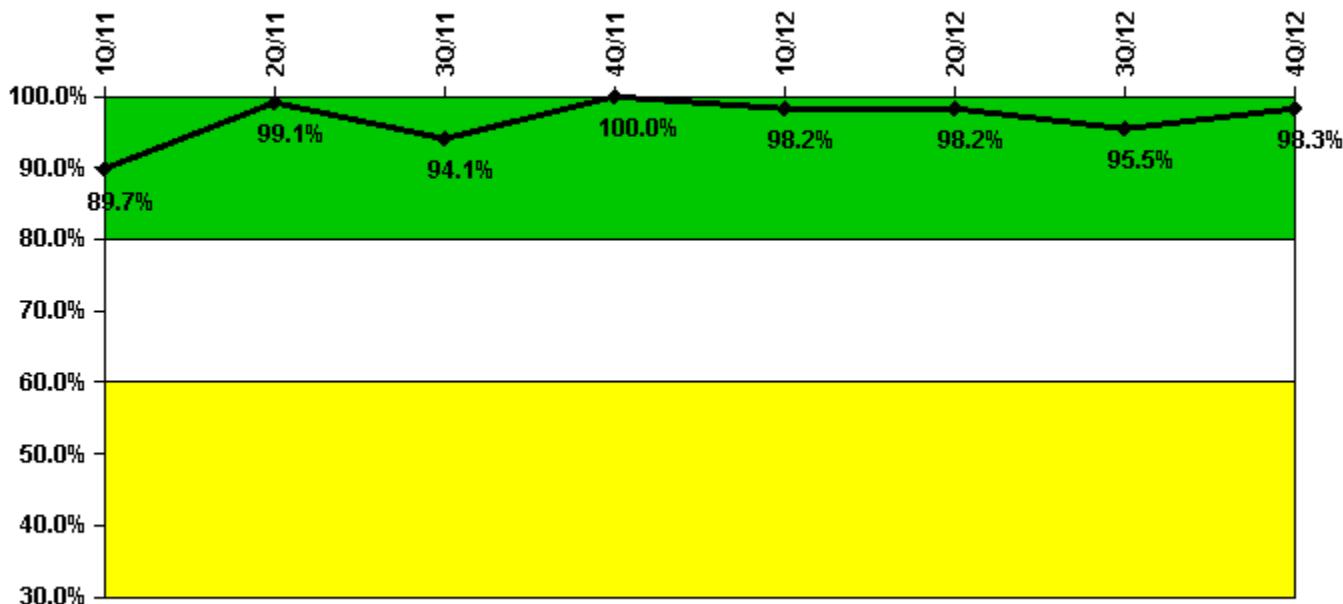
Drill/Exercise Performance	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful opportunities	11.0	39.0	17.0	9.0	21.0	48.0	16.0	13.0
Total opportunities	11.0	40.0	17.0	10.0	21.0	50.0	16.0	15.0
Indicator value	96.9%	97.4%	97.4%	98.3%	98.3%	97.5%	97.3%	96.7%

Licensee Comments:

3Q/11: The April 2011 ERO Drill Exercise Performance was revised with the 3rd quarter 2011 submittal. April Successful Drills and Total Drills were reduced from 11 each, to 10 each. This revision does not affect the indicator color.

2Q/11: The April 2011 ERO Drill Exercise Performance was revised with the 3rd quarter 2011 submittal. April Successful Drills and Total Drills were reduced from 11 each, to 10 each. This revision does not affect the indicator color.

1Q/11: Two additional Successful Event Opportunities and two Total Event Opportunities were identified that were not included in the original June 2009 data submittal. Both June 2009 data elements were revised from 22 to 24 in the first quarter 2011 data submittal. This results in no significant change to the 8 quarter performance indicator.

ERO Drill Participation

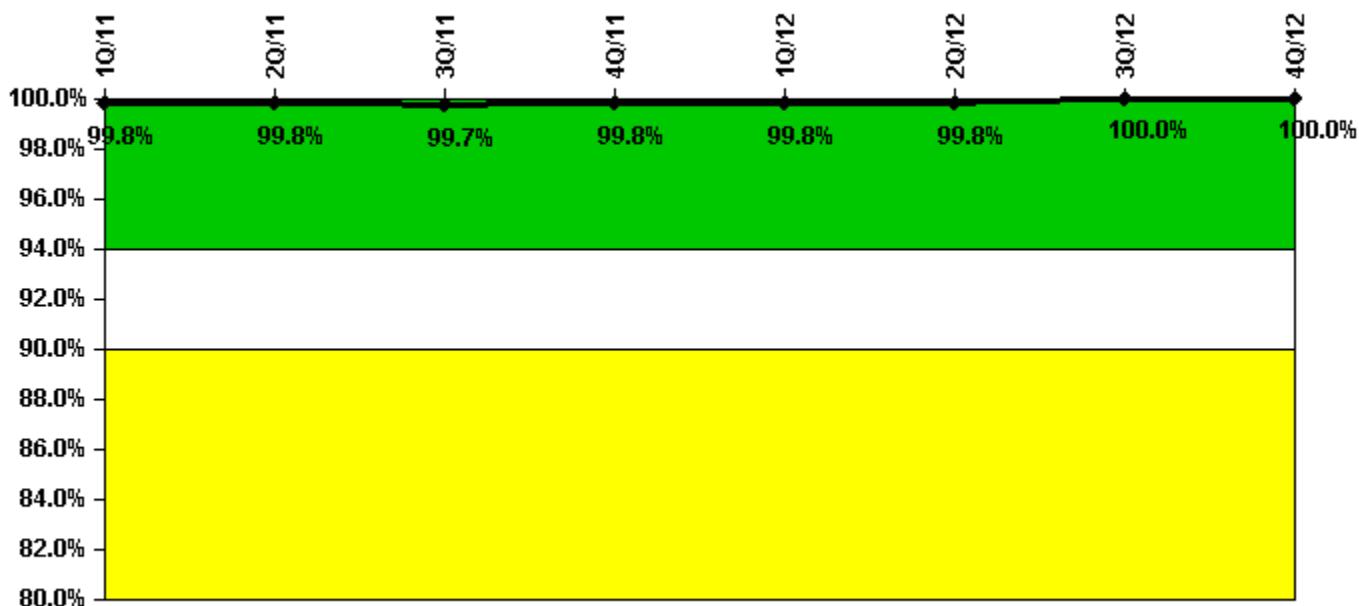
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Participating Key personnel	105.0	114.0	111.0	114.0	111.0	112.0	106.0	115.0
Total Key personnel	117.0	115.0	118.0	114.0	113.0	114.0	111.0	117.0
Indicator value	89.7%	99.1%	94.1%	100.0%	98.2%	98.2%	95.5%	98.3%

Licensee Comments:

2Q/11: In the 2nd Quarter 2011, Emergency Planning determined that 3 historical ERO drills were not eligible to be counted as performance indicator drills. As a result, credit for historical ERO drill participation was removed for several ERO members. This resulted in data revisions to the ERO Drill Participation PI from the 3rd Quarter 2009 to the 1st Quarter 2011. These revisions did not change the ERO Drill Participation PI color for these periods.

Alert & Notification System

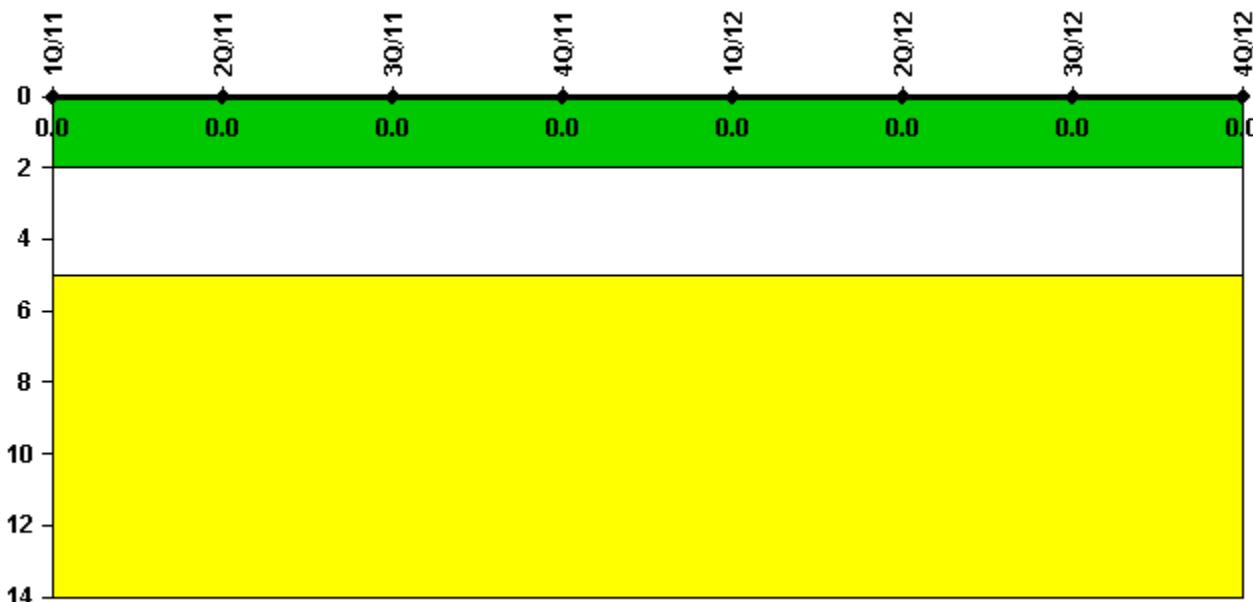
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Successful siren-tests	147	147	146	147	147	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.8%	99.8%	99.7%	99.8%	99.8%	99.8%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness

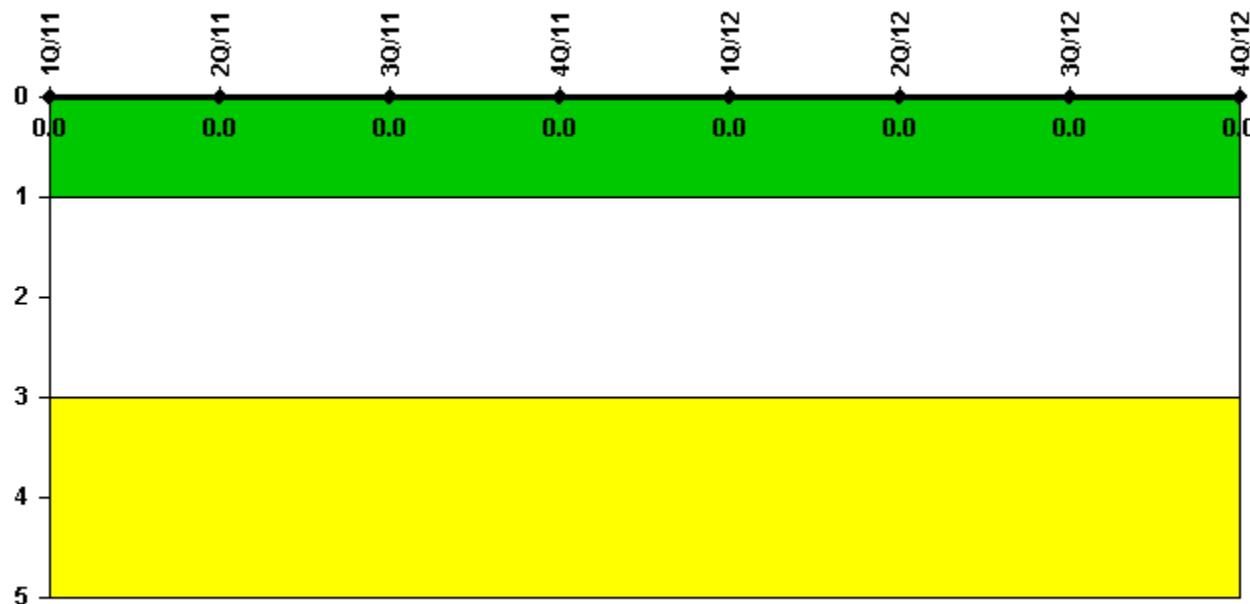


Thresholds: White > 2.0 Yellow > 5.0

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.



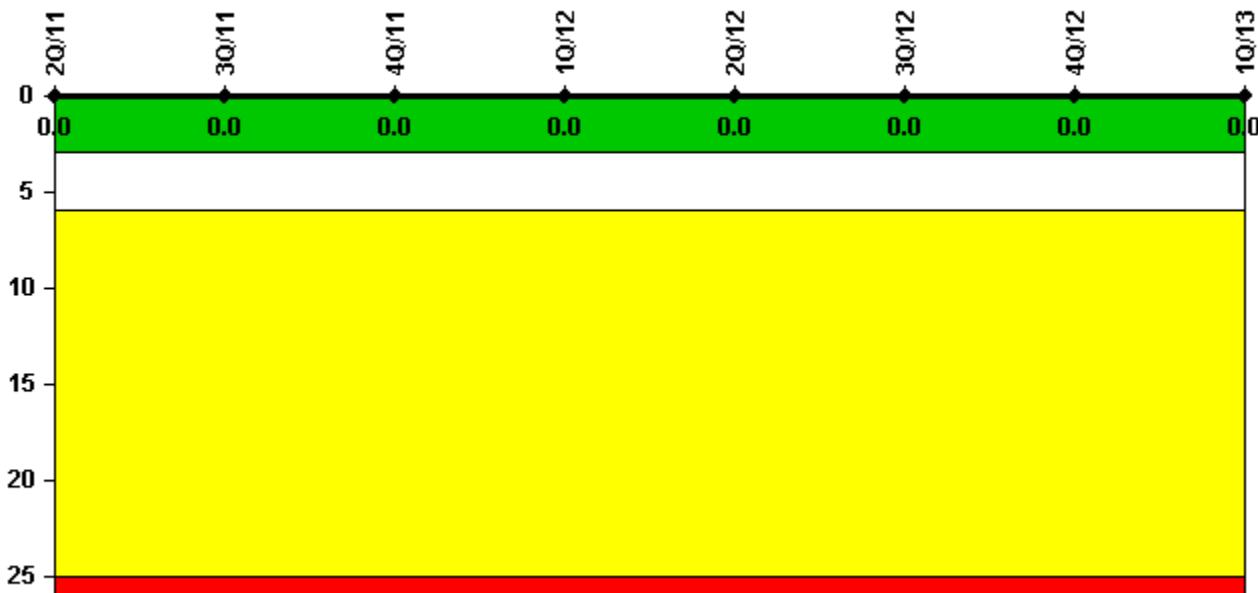
[Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

Arkansas Nuclear 1

1Q/2013 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



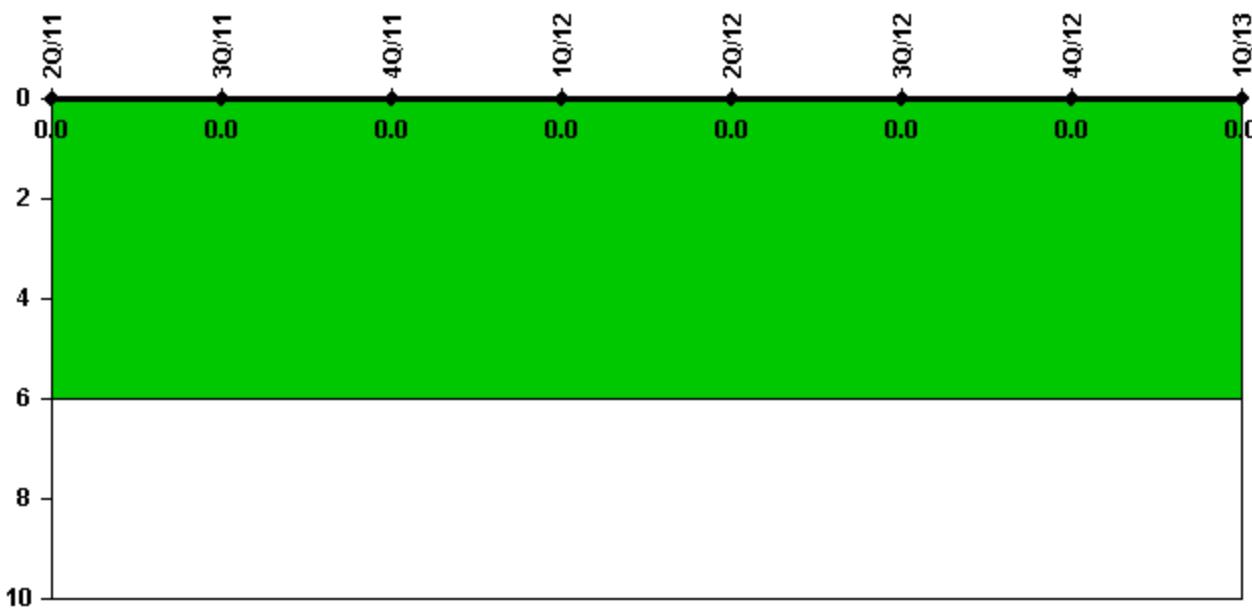
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2184.0	2208.0	1350.0	2183.0	2184.0	2208.0	2209.0	1975.0
Indicator value	0							

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

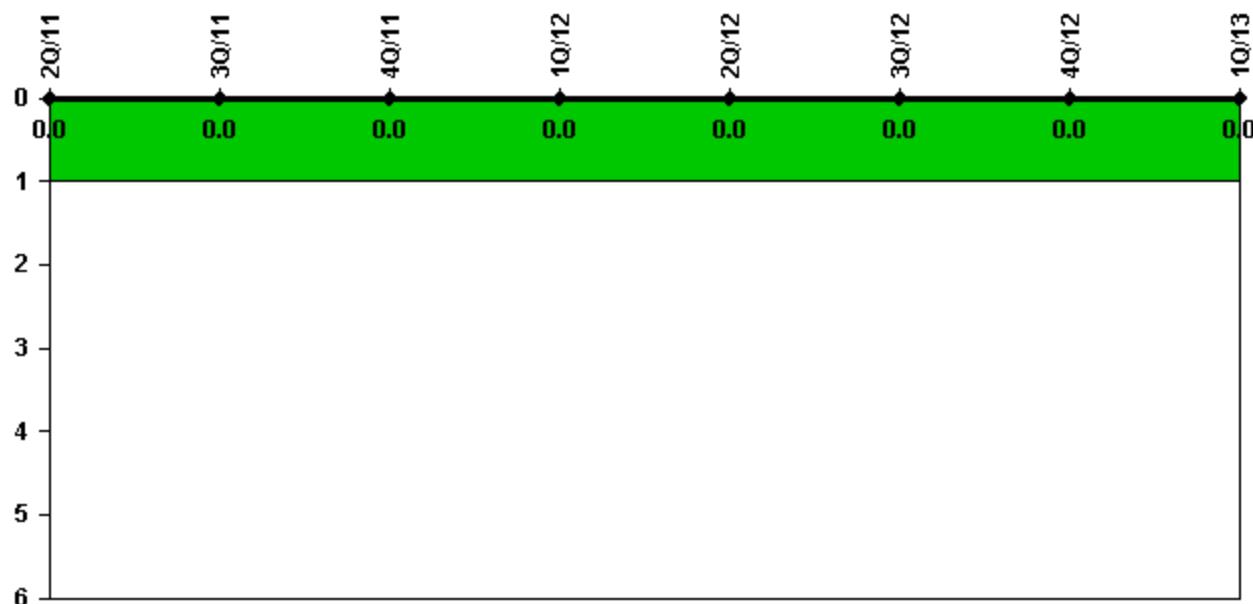


Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	1350.0	2183.0	2184.0	2208.0	2209.0	1975.0
Indicator value	0							

Licensee Comments: none

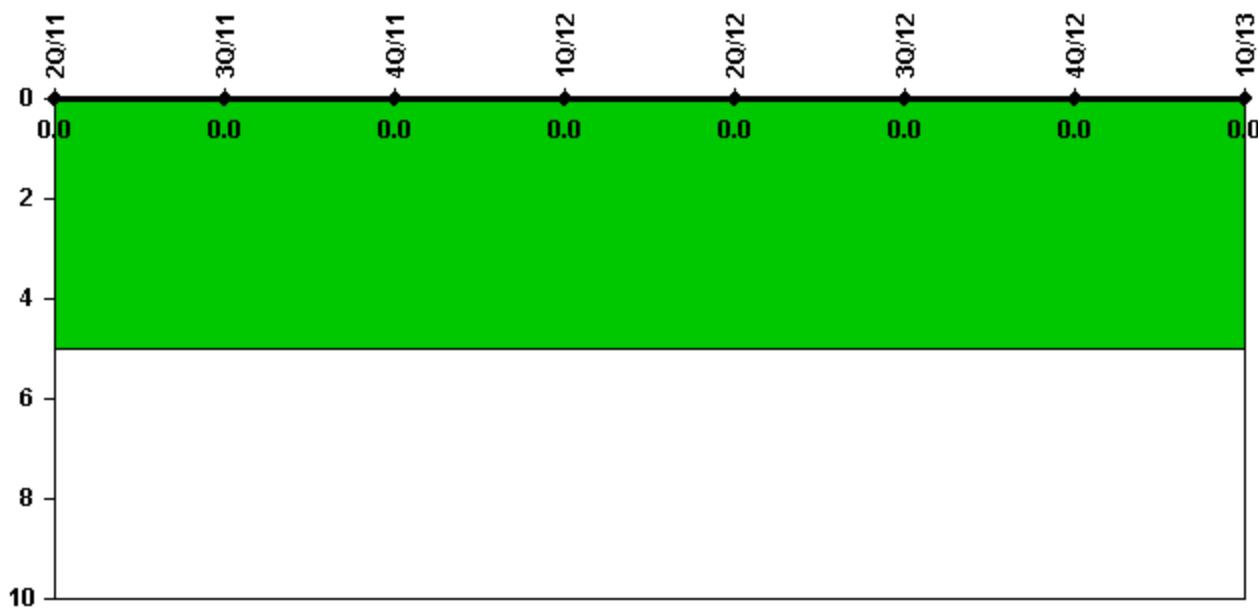
Unplanned Scrams with Complications

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)

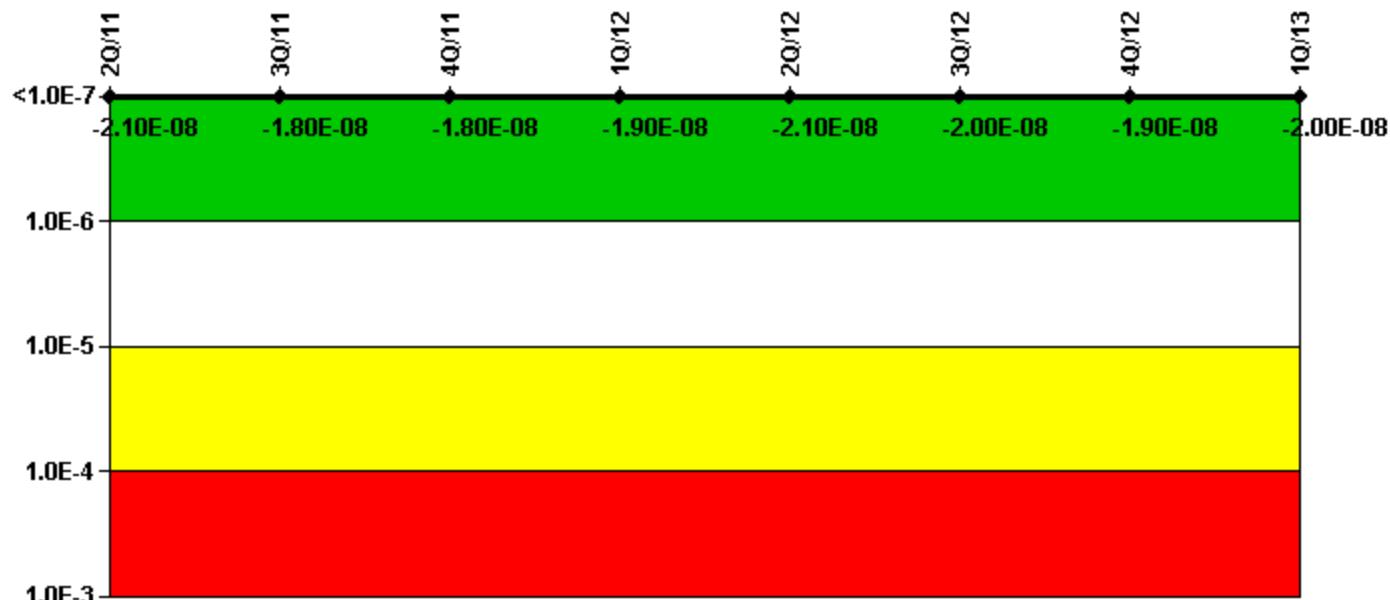
Thresholds: White > 5.0

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	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

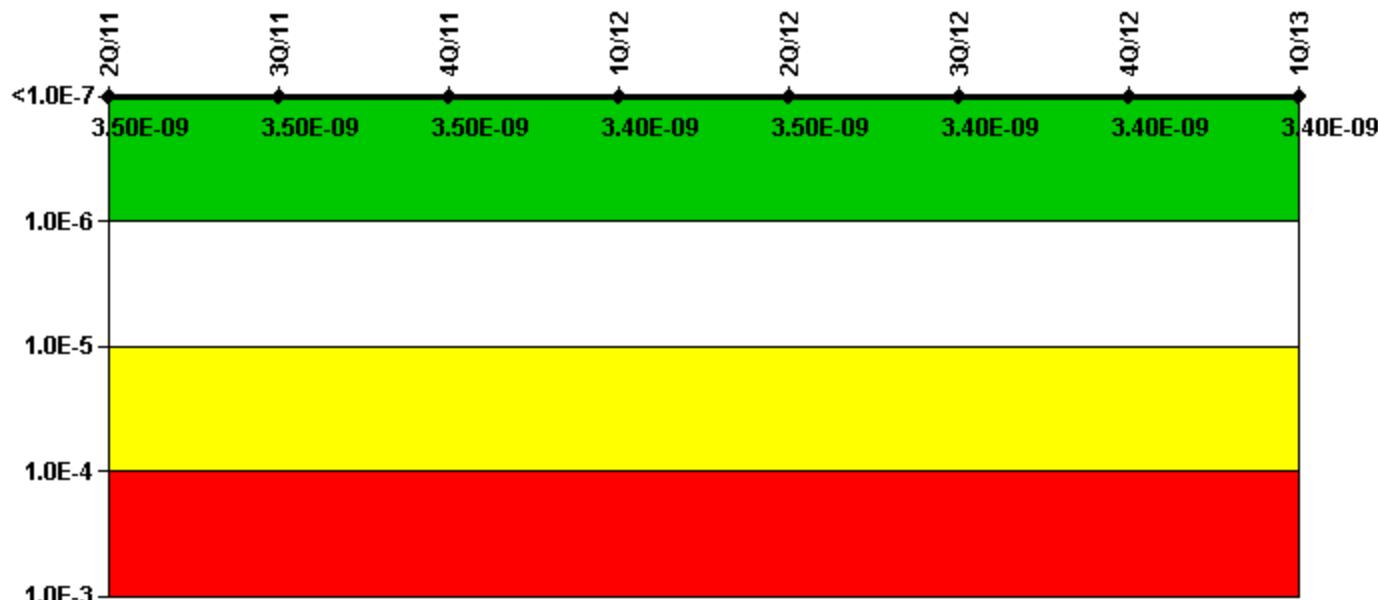
Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (Δ CDF)	-2.38E-09	1.00E-09	8.20E-10	7.97E-10	-2.38E-09	-2.38E-09	-2.38E-09	-2.38E-09
URI (Δ CDF)	-1.83E-08	-1.90E-08	-1.91E-08	-1.93E-08	-1.88E-08	-1.81E-08	-1.71E-08	-1.77E-08
PLE	NO							
Indicator value	-2.10E-08	-1.80E-08	-1.80E-08	-1.90E-08	-2.10E-08	-2.00E-08	-1.90E-08	-2.00E-08

Licensee Comments:

1Q/12: The ANO-1 MSPI Basis Document was revised in the 1Q2012 to add the Emergency Diesel Generator (EDG) fuel oil transfer pumps to the scope of the EDG supercomponent boundary. There were no MSPI coefficient changes required as a result of this revision.

Mitigating Systems Performance Index, High Pressure Injection System



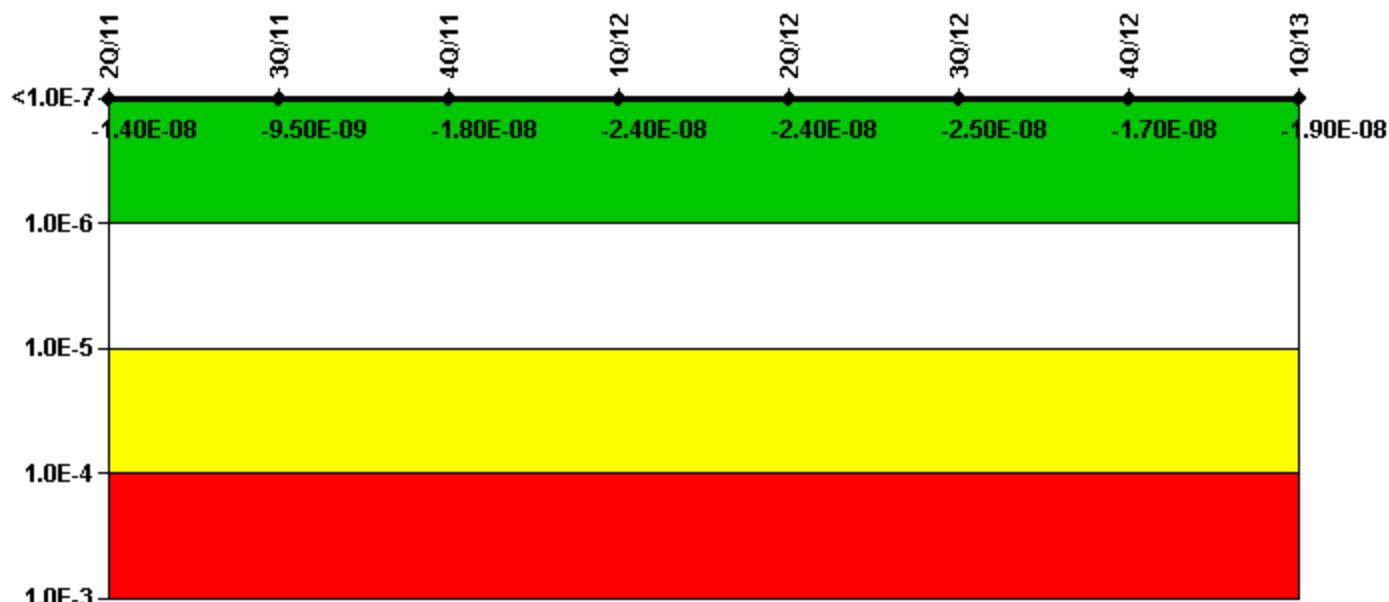
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-4.45E-12	8.63E-13	4.87E-13	6.87E-12	-3.28E-14	-3.28E-14	-3.28E-14	-8.92E-12
URI (Δ CDF)	3.51E-09	3.46E-09	3.51E-09	3.38E-09	3.48E-09	3.40E-09	3.43E-09	3.38E-09
PLE	NO							
Indicator value	3.50E-09	3.50E-09	3.50E-09	3.40E-09	3.50E-09	3.40E-09	3.40E-09	3.40E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



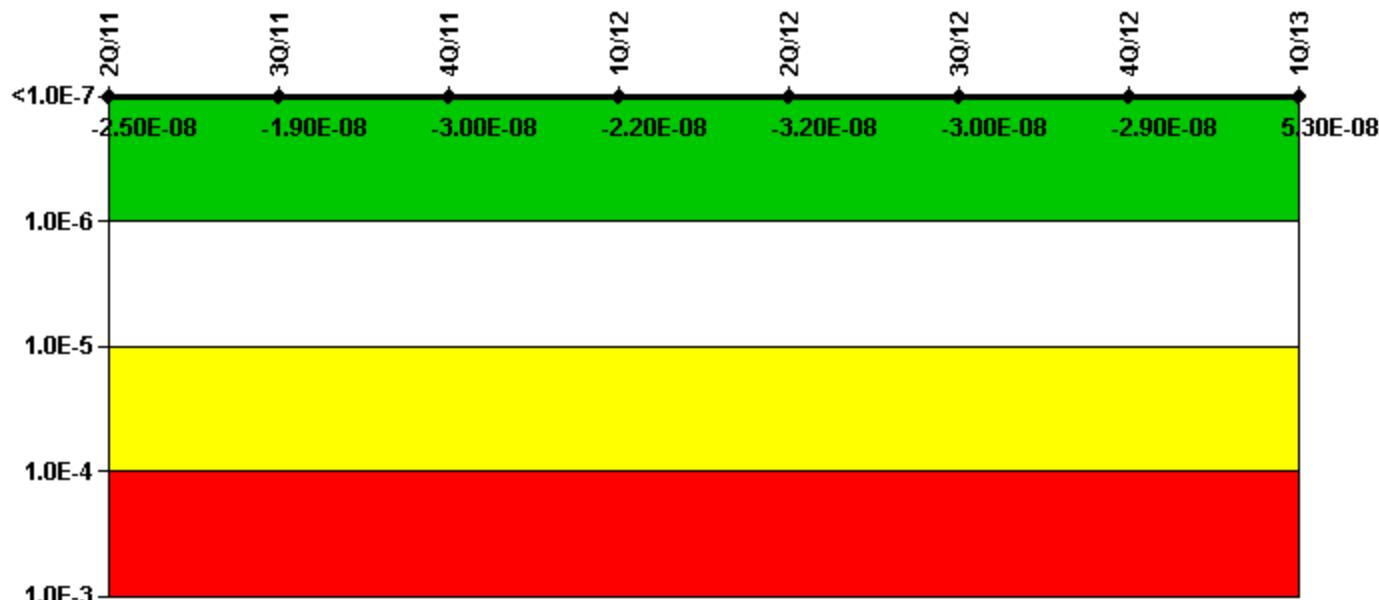
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (Δ CDF)	1.31E-08	1.77E-08	8.94E-09	3.67E-09	2.89E-09	2.23E-09	1.01E-08	8.43E-09
URI (Δ CDF)	-2.72E-08	-2.71E-08	-2.70E-08	-2.73E-08	-2.73E-08	-2.73E-08	-2.73E-08	-2.72E-08
PLE	NO							
Indicator value	-1.40E-08	-9.50E-09	-1.80E-08	-2.40E-08	-2.40E-08	-2.50E-08	-1.70E-08	-1.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



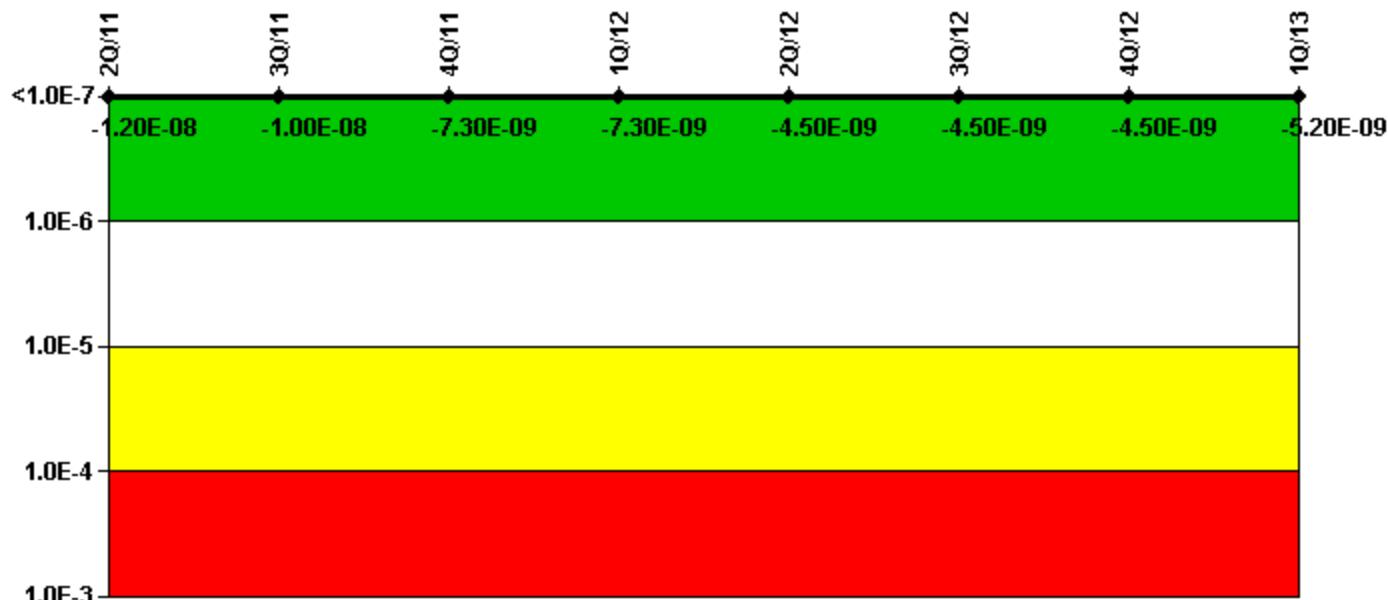
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (Δ CDF)	1.14E-08	1.79E-08	9.39E-09	1.69E-08	6.66E-09	1.03E-08	1.29E-08	2.35E-09
URI (Δ CDF)	-3.65E-08	-3.65E-08	-3.89E-08	-3.88E-08	-3.88E-08	-3.98E-08	-4.15E-08	5.03E-08
PLE	NO	NO						
Indicator value	-2.50E-08	-1.90E-08	-3.00E-08	-2.20E-08	-3.20E-08	-3.00E-08	-2.90E-08	5.30E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

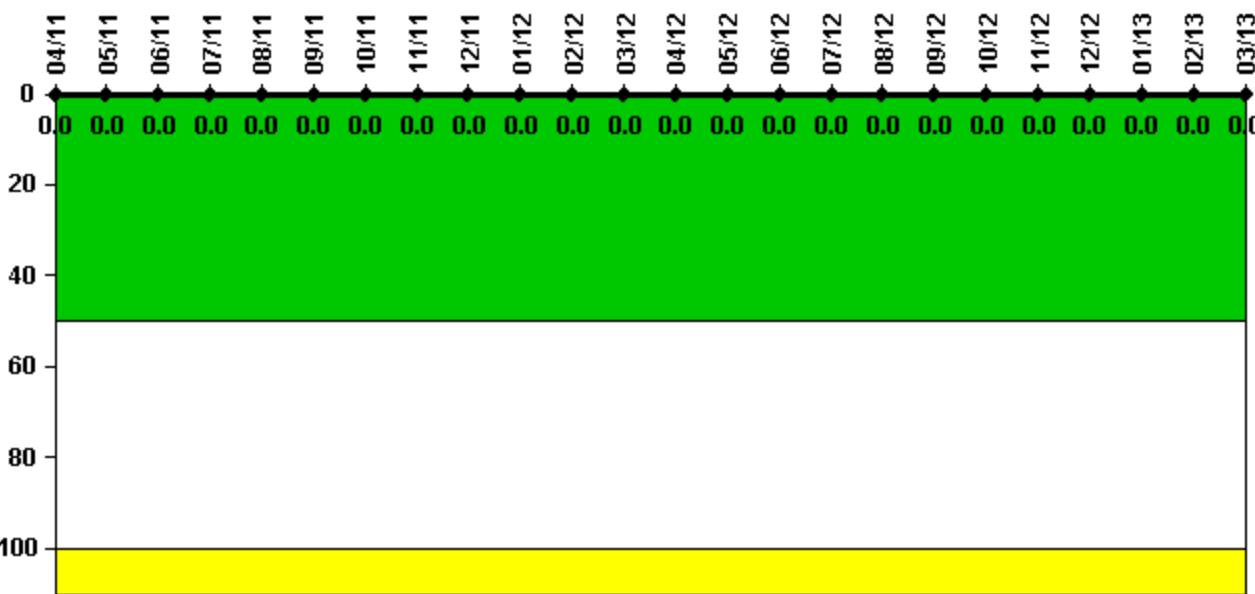
Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
UAI (Δ CDF)	-4.22E-09	-2.74E-09	-2.75E-09	-2.75E-09	-2.75E-09	-2.75E-09	-2.75E-09	-3.49E-09
URI (Δ CDF)	-7.31E-09	-7.31E-09	-4.51E-09	-4.51E-09	-1.70E-09	-1.71E-09	-1.72E-09	-1.71E-09
PLE	NO							
Indicator value	-1.20E-08	-1.00E-08	-7.30E-09	-7.30E-09	-4.50E-09	-4.50E-09	-4.50E-09	-5.20E-09

Licensee Comments:

3Q/11: As of the 3rd Quarter 2011 reporting period, the ANO-1 MSPI Basis Document was revised. The MSPI Cooling Water System is now defined as a two train system with a swing pump, instead of the previously defined multi-segment system.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

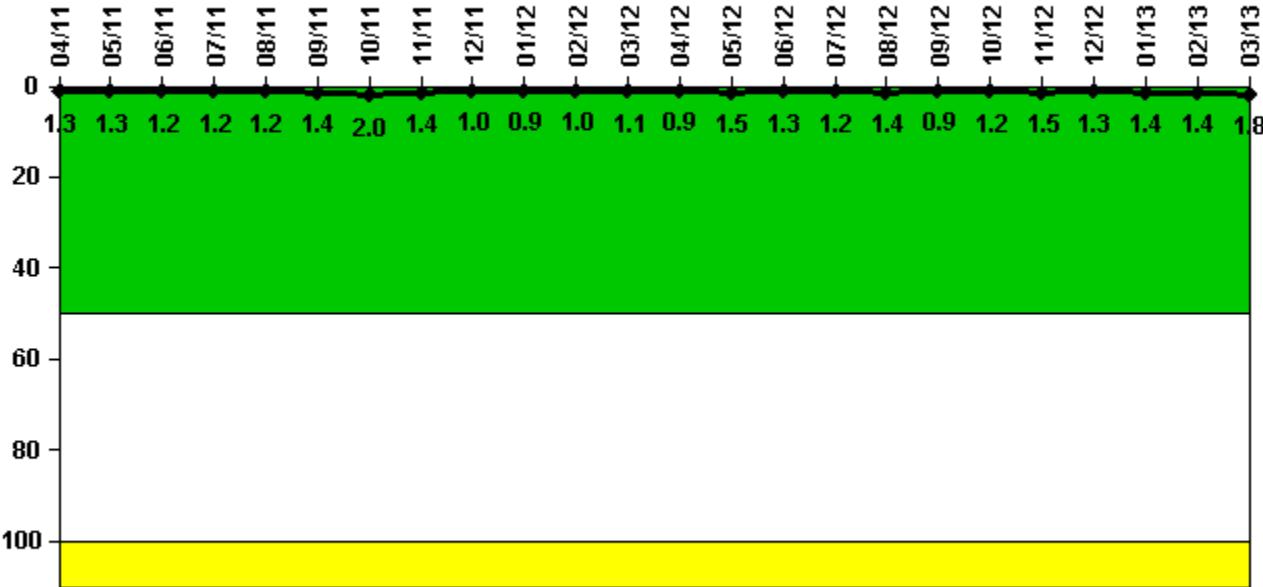
Notes

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	0.000305	0.000300	0.000227	0.000226	0.000182	0.000268	0.000404	0.000082	0.000176	0.000095	0.000097	0.000160
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	0	0	0	0	0

Reactor Coolant System Activity	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum activity	0.000112	0.000109	0.000120	0.000114	0.000119	0.000125	0.000220	0.000135	0.000204	0.000139	0.000142	0.000379
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	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	1/12	2/12	3/12
Maximum leakage	0.125	0.127	0.118	0.116	0.124	0.143	0.204	0.140	0.097	0.087	0.103	0.105
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	1.3	1.2	1.2	1.2	1.4	2.0	1.4	1.0	0.9	1.0	1.1
Reactor Coolant System Leakage	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum leakage	0.094	0.149	0.129	0.124	0.136	0.088	0.124	0.145	0.128	0.139	0.141	0.181
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	1.5	1.3	1.2	1.4	0.9	1.2	1.5	1.3	1.4	1.4	1.8

Licensee Comments:

3/13: Total Leakage is being reported in lieu of Identified Leakage

12/12: Total Leakage is being reported in lieu of Identified Leakage.

9/12: Total Leakage is being reported in lieu of Identified Leakage.

6/12: Total Leakage is being reported in lieu of Identified Leakage

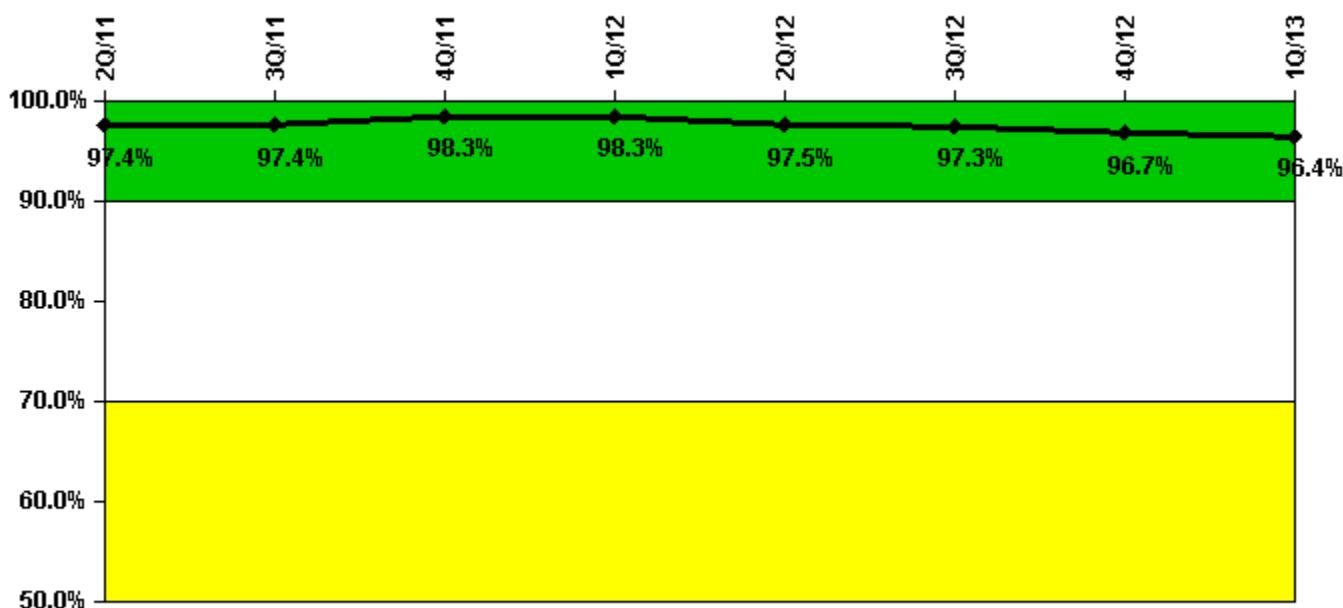
3/12: Total Leakage is being reported in lieu of Identified Leakage.

12/11: Total Leakage is being reported in lieu of Identified Leakage.

9/11: Total Leakage is being reported in lieu of Identified Leakage.

6/11: Total Leakage is being reported in lieu of Identified Leakage.

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	39.0	17.0	9.0	21.0	48.0	16.0	13.0	26.0
Total opportunities	40.0	17.0	10.0	21.0	50.0	16.0	15.0	27.0
Indicator value	97.4%	97.4%	98.3%	98.3%	97.5%	97.3%	96.7%	96.4%

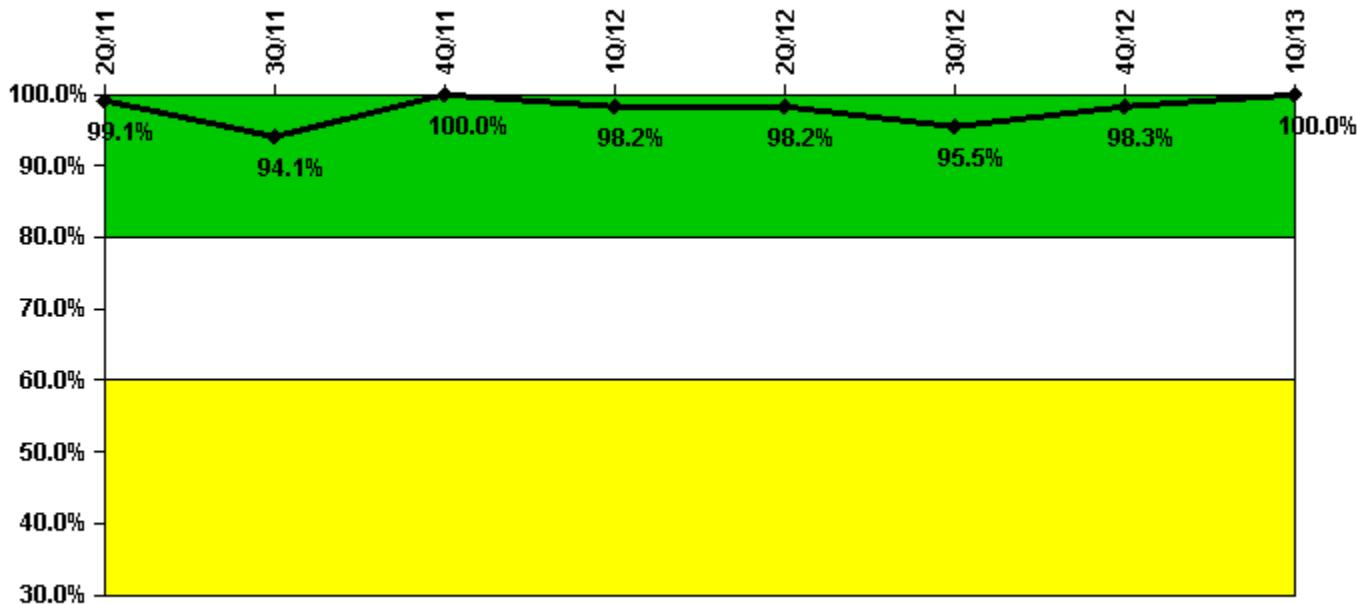
Licensee Comments:

3Q/11: The April 2011 ERO Drill Exercise Performance was revised with the 3rd quarter 2011 submittal. April Successful Drills and Total Drills were reduced from 11 each, to 10 each. This revision does not affect the indicator color.

2Q/11: The April 2011 ERO Drill Exercise Performance was revised with the 3rd quarter 2011 submittal. April

Successful Drills and Total Drills were reduced from 11 each, to 10 each. This revision does not affect the indicator color.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

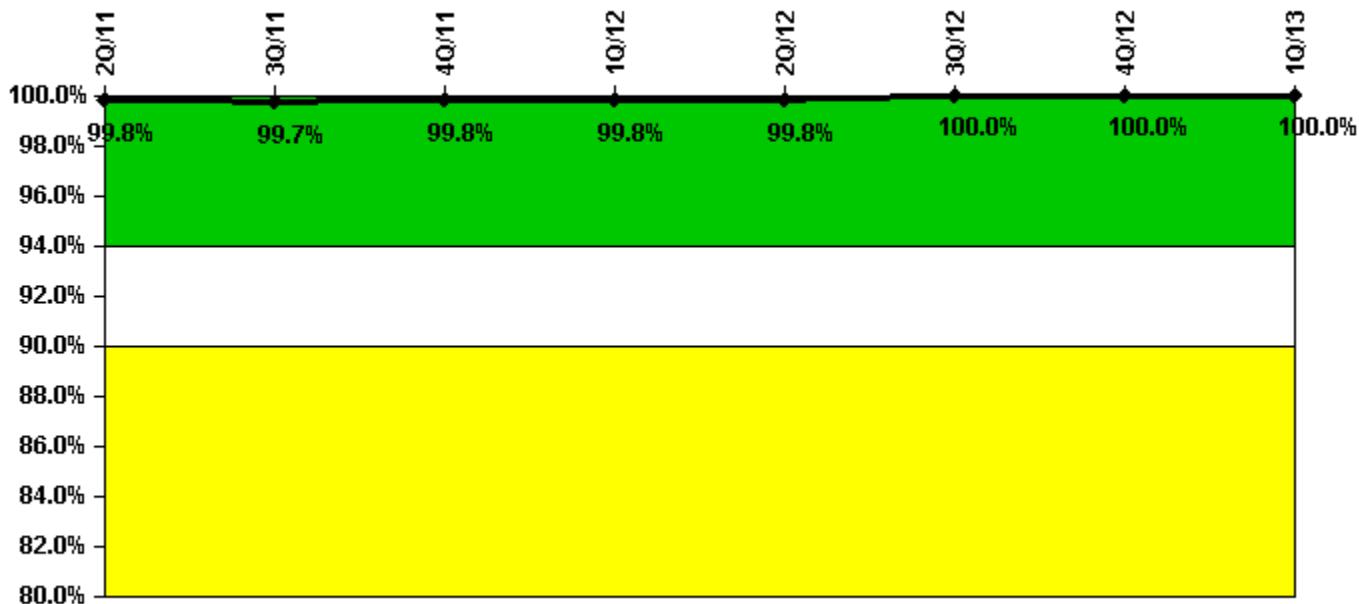
Notes

ERO Drill Participation	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Participating Key personnel	114.0	111.0	114.0	111.0	112.0	106.0	115.0	84.0
Total Key personnel	115.0	118.0	114.0	113.0	114.0	111.0	117.0	84.0
Indicator value	99.1%	94.1%	100.0%	98.2%	98.2%	95.5%	98.3%	100.0%

Licensee Comments:

2Q/11: In the 2nd Quarter 2011, Emergency Planning determined that 3 historical ERO drills were not eligible to be counted as performance indicator drills. As a result, credit for historical ERO drill participation was removed for several ERO members. This resulted in data revisions to the ERO Drill Participation PI from the 3rd Quarter 2009 to the 1st Quarter 2011. These revisions did not change the ERO Drill Participation PI color for these periods.

Alert & Notification System



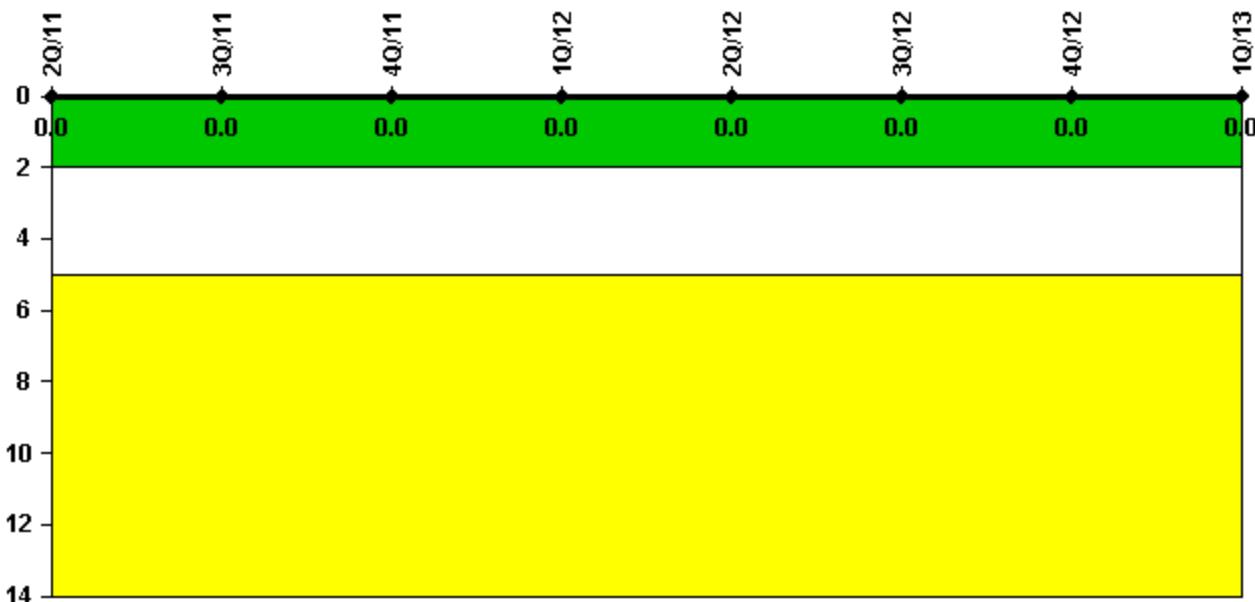
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Successful siren-tests	147	146	147	147	147	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.8%	99.7%	99.8%	99.8%	99.8%	100.0%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



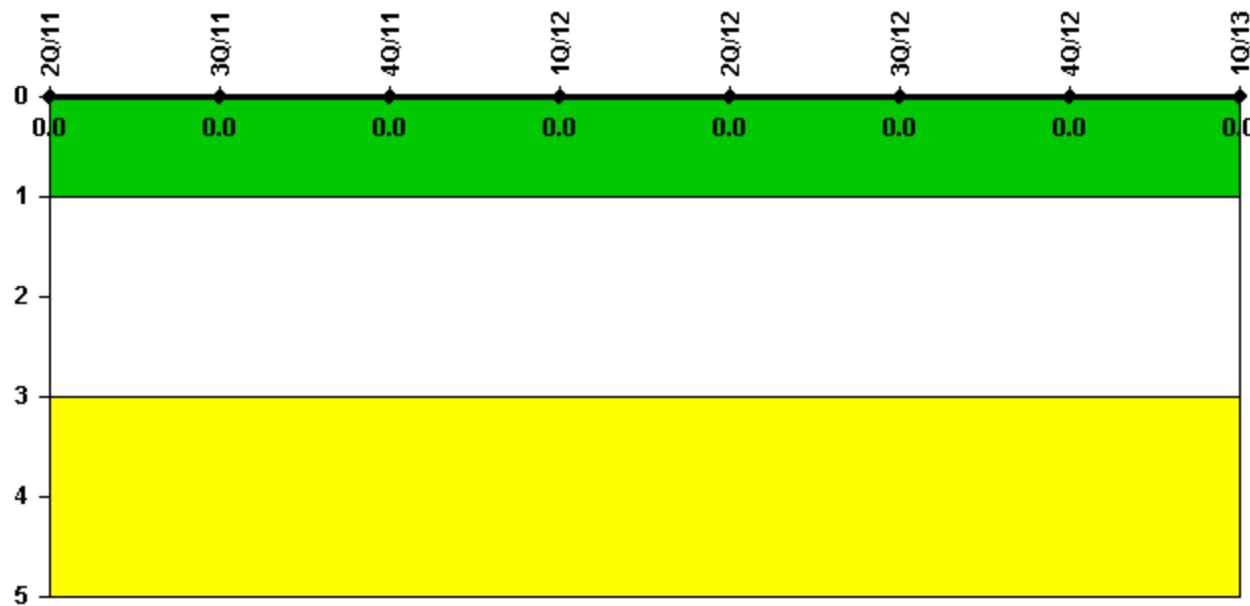
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

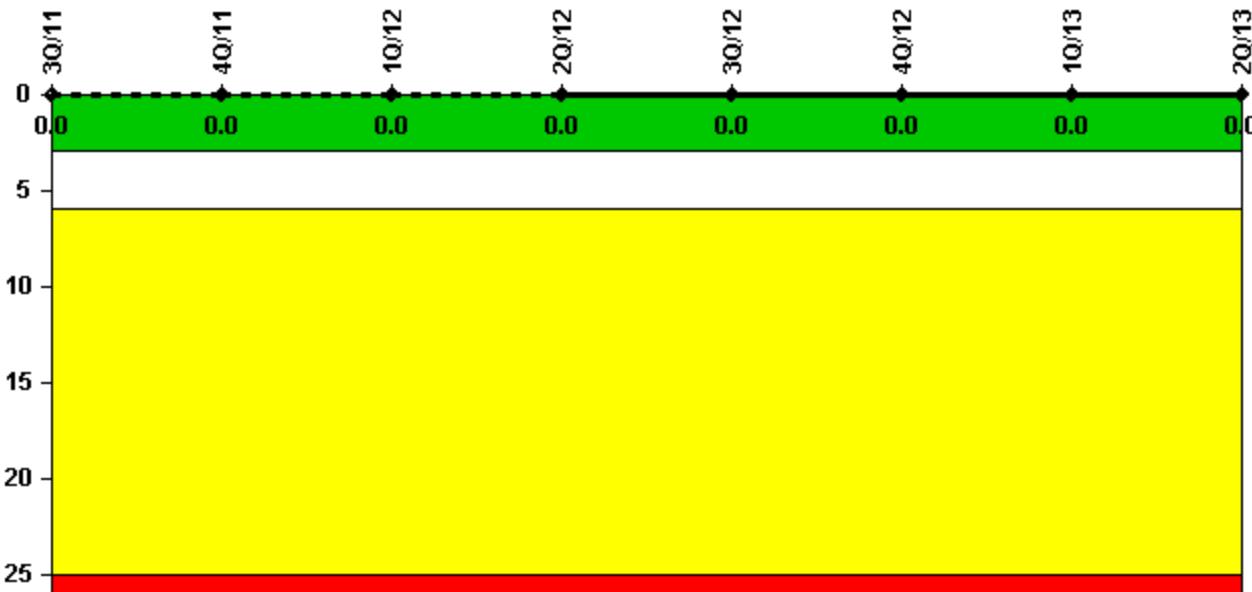
Arkansas Nuclear 1

2Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



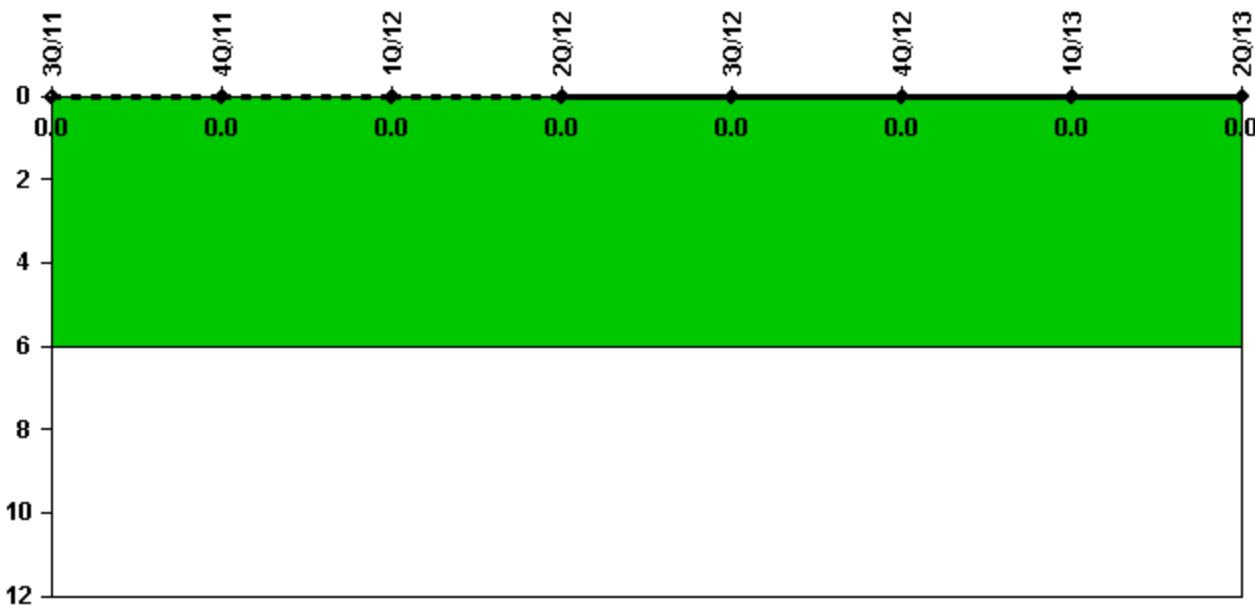
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1350.0	2183.0	2184.0	2208.0	2209.0	1975.0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

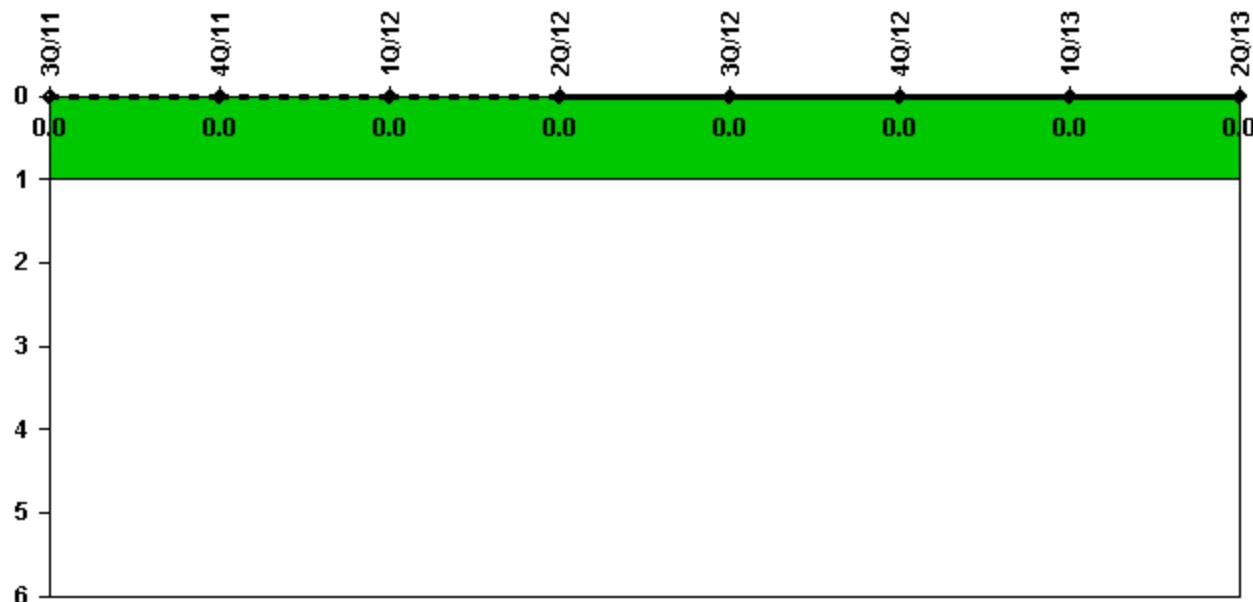


Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/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	1350.0	2183.0	2184.0	2208.0	2209.0	1975.0	0
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications

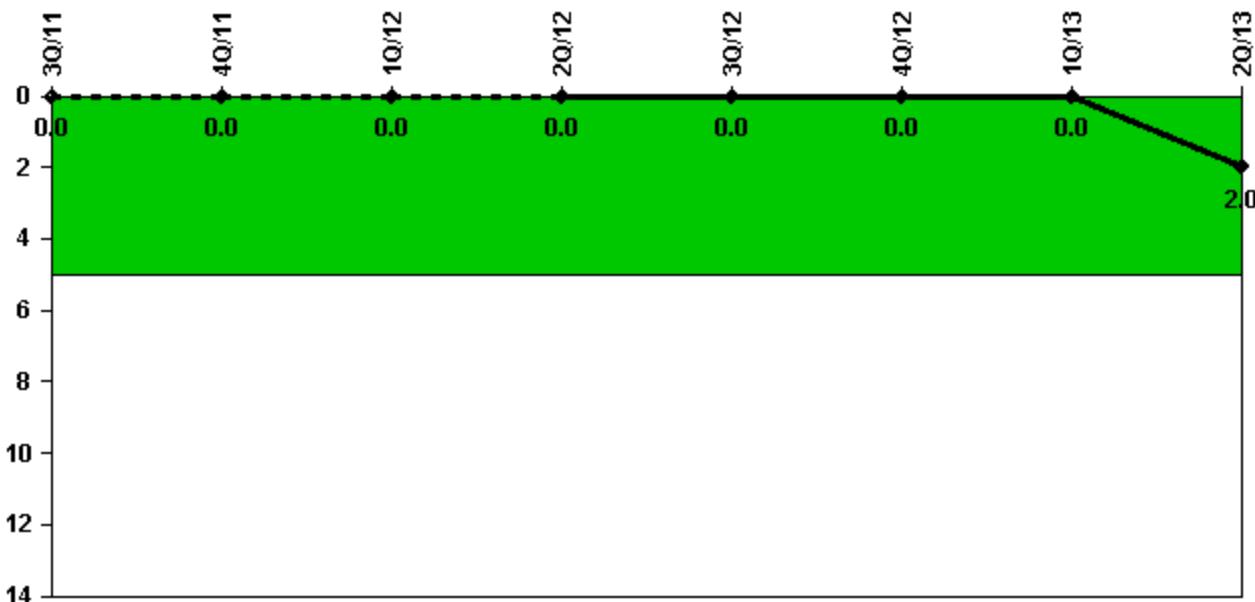
Thresholds: White > 1.0

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

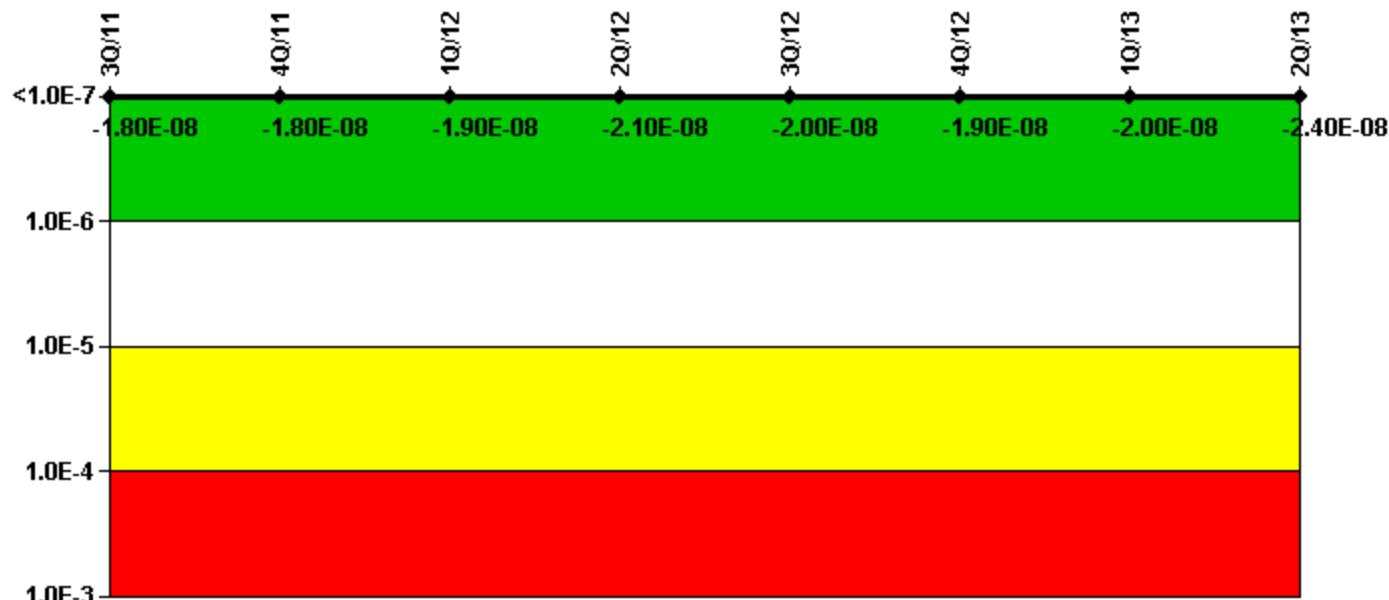
Notes

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	0	0	0	0	0	0	0	2
Indicator value	0	2						

Licensee Comments:

2Q/13: April 2013 - Licensee Event Report 50-368/2013-002-00: Emergency Control Room Chiller Inoperability.
 May 2013 - Licensee Event Report 50-313/2013-001-00: ANO-1 Main Generator Stator Temporary Lift Assembly Failure

Mitigating Systems Performance Index, Emergency AC Power System



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

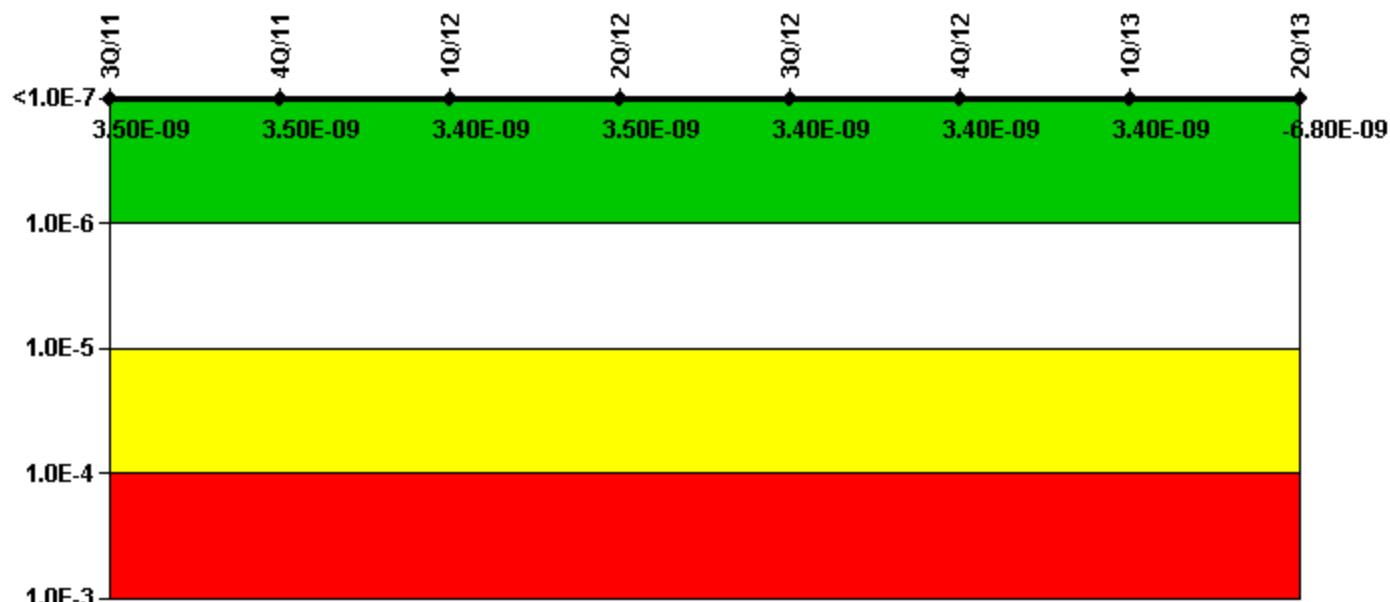
Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (Δ CDF)	1.00E-09	8.20E-10	7.97E-10	-2.38E-09	-2.38E-09	-2.38E-09	-2.38E-09	-2.42E-09
URI (Δ CDF)	-1.90E-08	-1.91E-08	-1.93E-08	-1.88E-08	-1.81E-08	-1.71E-08	-1.77E-08	-2.17E-08
PLE	NO							
Indicator value	-1.80E-08	-1.80E-08	-1.90E-08	-2.10E-08	-2.00E-08	-1.90E-08	-2.00E-08	-2.40E-08

Licensee Comments:

1Q/12: The ANO-1 MSPI Basis Document was revised in the 1Q2012 to add the Emergency Diesel Generator (EDG) fuel oil transfer pumps to the scope of the EDG supercomponent boundary. There were no MSPI coefficient changes required as a result of this revision.

Mitigating Systems Performance Index, High Pressure Injection System



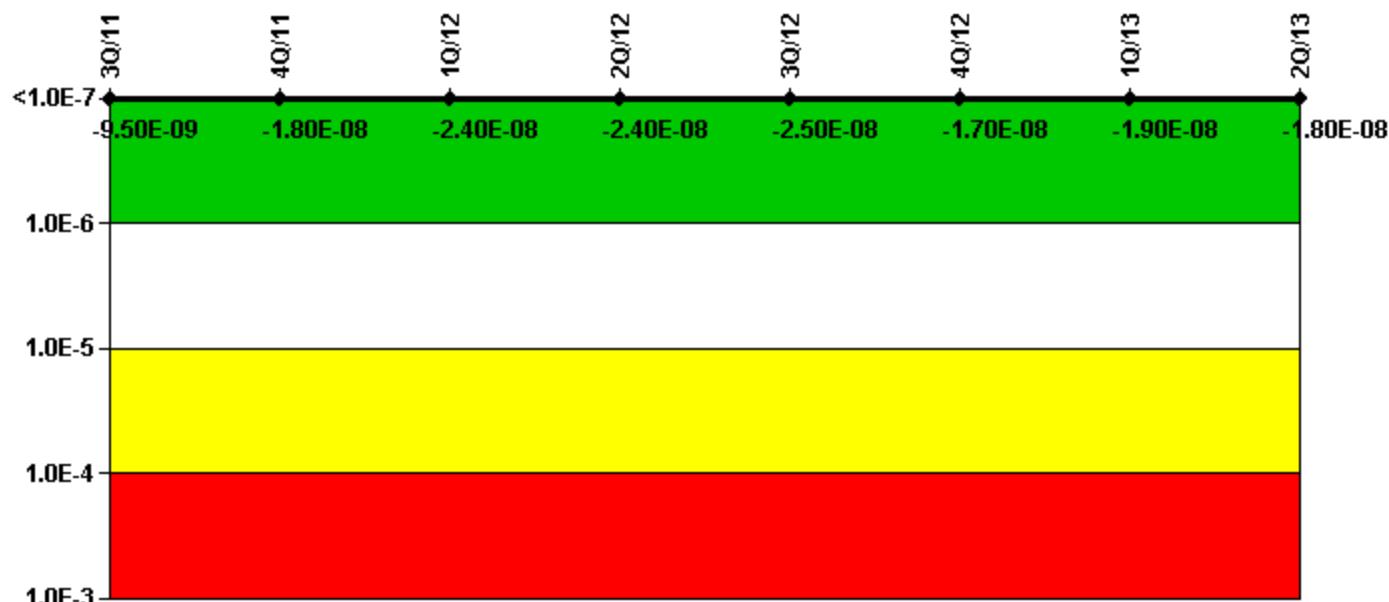
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	8.63E-13	4.87E-13	6.87E-12	-3.28E-14	-3.28E-14	-3.28E-14	-8.92E-14	-7.71E-12
URI (Δ CDF)	3.46E-09	3.51E-09	3.38E-09	3.48E-09	3.40E-09	3.43E-09	3.38E-09	-6.78E-09
PLE	NO							
Indicator value	3.50E-09	3.50E-09	3.40E-09	3.50E-09	3.40E-09	3.40E-09	3.40E-09	-6.80E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



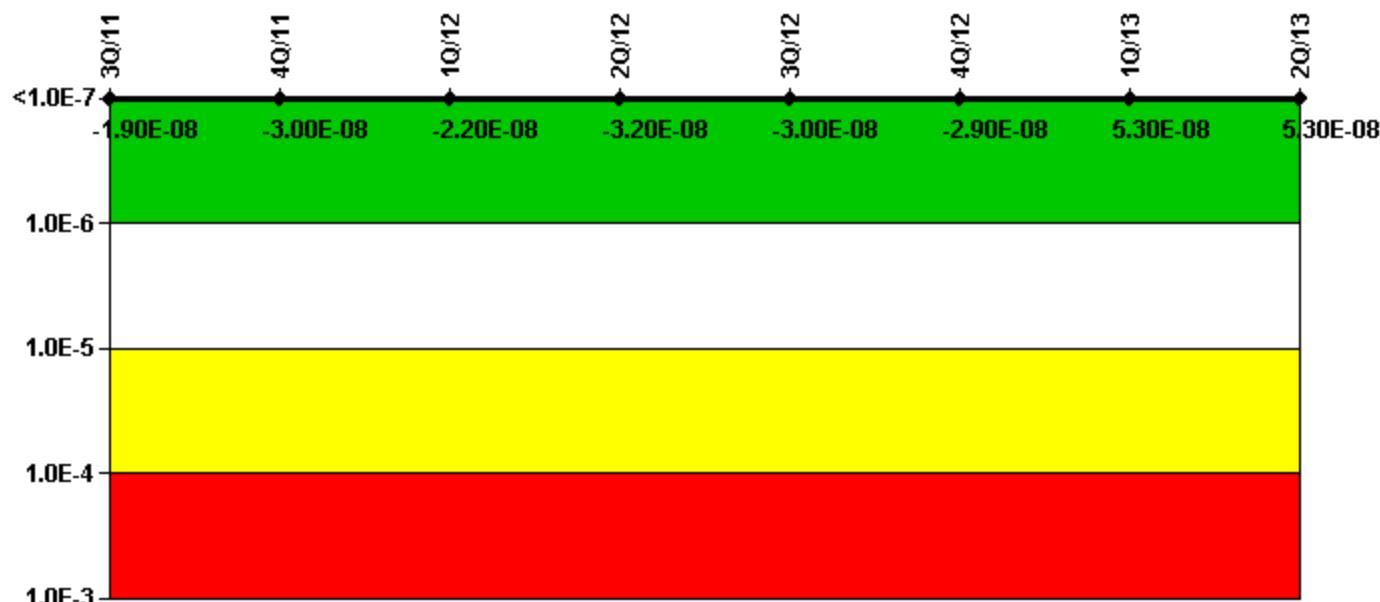
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (Δ CDF)	1.77E-08	8.94E-09	3.67E-09	2.89E-09	2.23E-09	1.01E-08	8.43E-09	7.53E-09
URI (Δ CDF)	-2.71E-08	-2.70E-08	-2.73E-08	-2.73E-08	-2.73E-08	-2.73E-08	-2.72E-08	-2.58E-08
PLE	NO							
Indicator value	-9.50E-09	-1.80E-08	-2.40E-08	-2.40E-08	-2.50E-08	-1.70E-08	-1.90E-08	-1.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



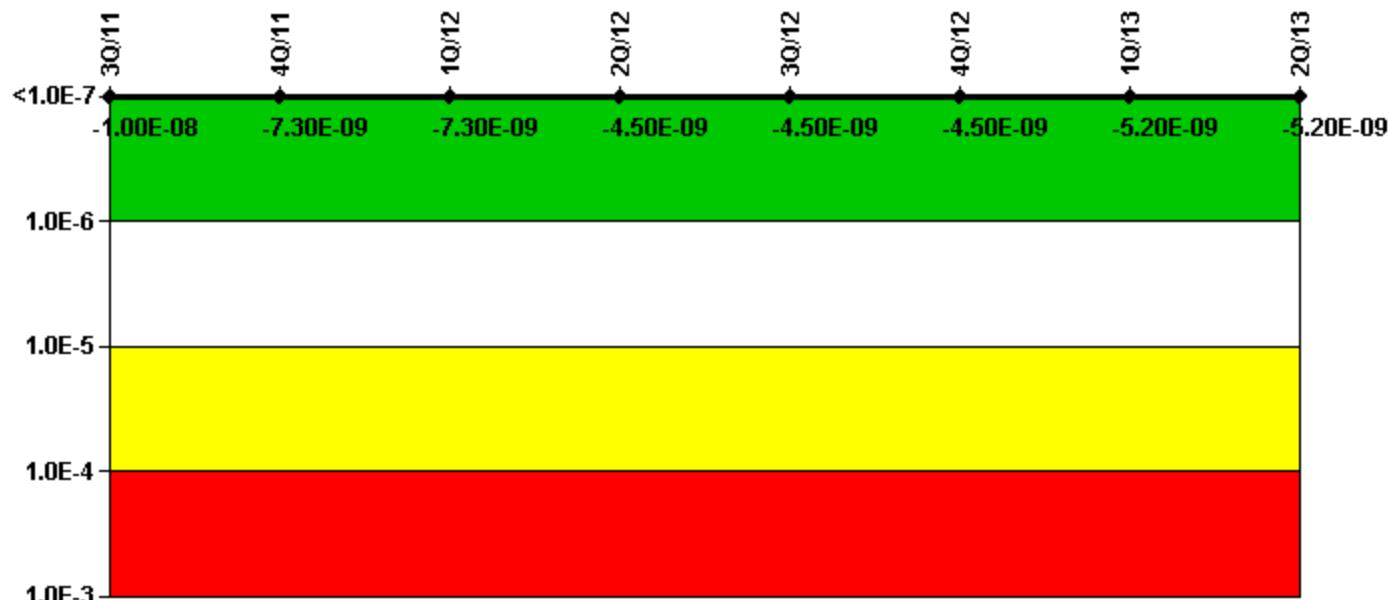
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (Δ CDF)	1.79E-08	9.39E-09	1.69E-08	6.66E-09	1.03E-08	1.29E-08	2.35E-09	5.45E-09
URI (Δ CDF)	-3.65E-08	-3.89E-08	-3.88E-08	-3.88E-08	-3.98E-08	-4.15E-08	5.03E-08	4.75E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.90E-08	-3.00E-08	-2.20E-08	-3.20E-08	-3.00E-08	-2.90E-08	5.30E-08	5.30E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

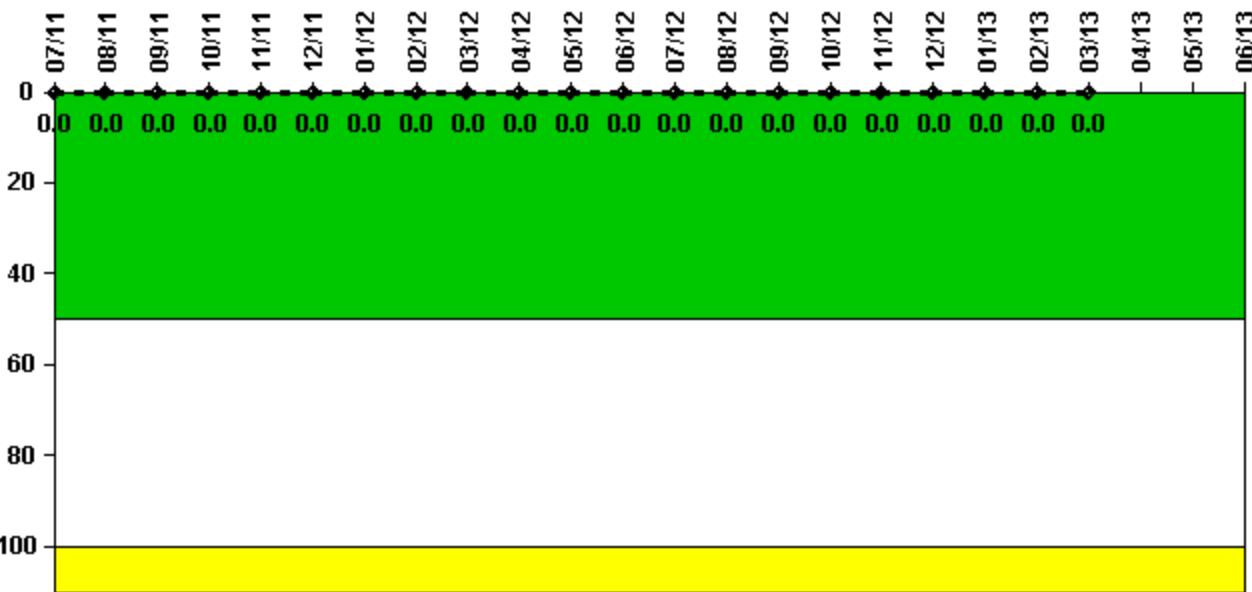
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
UAI (Δ CDF)	-2.74E-09	-2.75E-09	-2.75E-09	-2.75E-09	-2.75E-09	-2.75E-09	-3.49E-09	-3.49E-09
URI (Δ CDF)	-7.31E-09	-4.51E-09	-4.51E-09	-1.70E-09	-1.71E-09	-1.72E-09	-1.71E-09	-1.72E-09
PLE	NO							
Indicator value	-1.00E-08	-7.30E-09	-7.30E-09	-4.50E-09	-4.50E-09	-4.50E-09	-5.20E-09	-5.20E-09

Licensee Comments:

3Q/11: As of the 3rd Quarter 2011 reporting period, the ANO-1 MSPI Basis Document was revised. The MSPI Cooling Water System is now defined as a two train system with a swing pump, instead of the previously defined multi-segment system.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

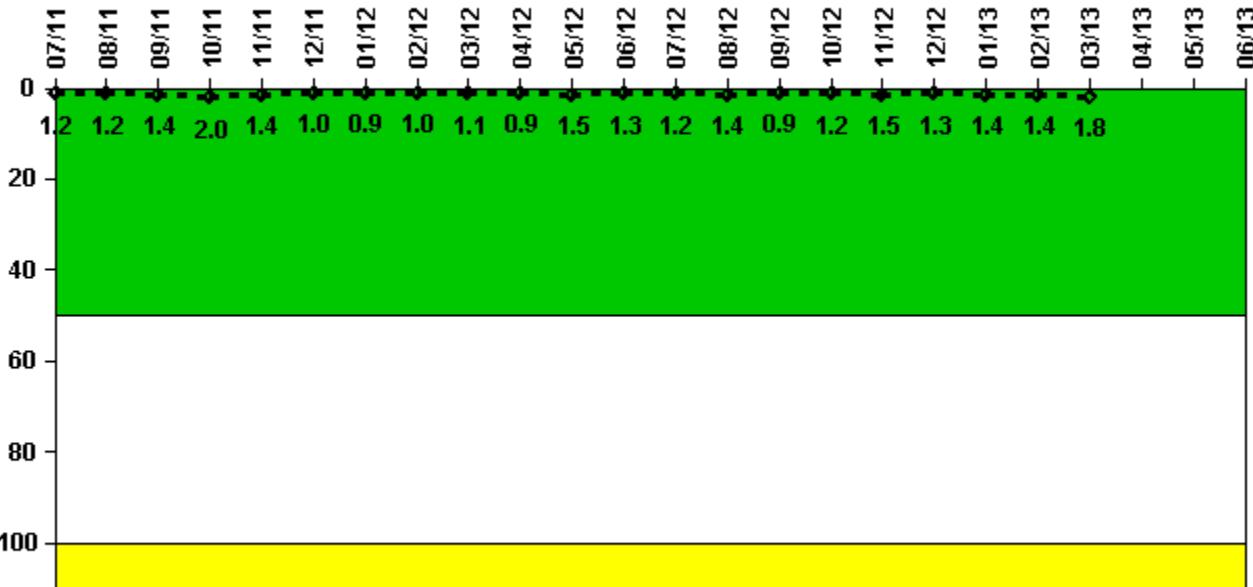
Notes

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	0.000226	0.000182	0.000268	0.000404	0.000082	0.000176	0.000095	0.000097	0.000160	0.000112	0.000109	0.000120
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	0	0	0	0	0
Reactor Coolant System Activity	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum activity	0.000114	0.000119	0.000125	0.000220	0.000135	0.000204	0.000139	0.000142	0.000379	N/A	N/A	N/A
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	0	0	N/A	N/A	N/A

Licensee Comments:

6/13: ANO-1 was off line for the entire second quarter 2013.

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	0.116	0.124	0.143	0.204	0.140	0.097	0.087	0.103	0.105	0.094	0.149	0.129
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	1.2	1.4	2.0	1.4	1.0	0.9	1.0	1.1	0.9	1.5	1.3
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	0.124	0.136	0.088	0.124	0.145	0.128	0.139	0.141	0.181	N/A	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	1.2	1.4	0.9	1.2	1.5	1.3	1.4	1.4	1.8	N/A	N/A	N/A

Licensee Comments:

6/13: ANO-1 was off line for the entire second quarter 2013.

3/13: Total Leakage is being reported in lieu of Identified Leakage

12/12: Total Leakage is being reported in lieu of Identified Leakage.

9/12: Total Leakage is being reported in lieu of Identified Leakage.

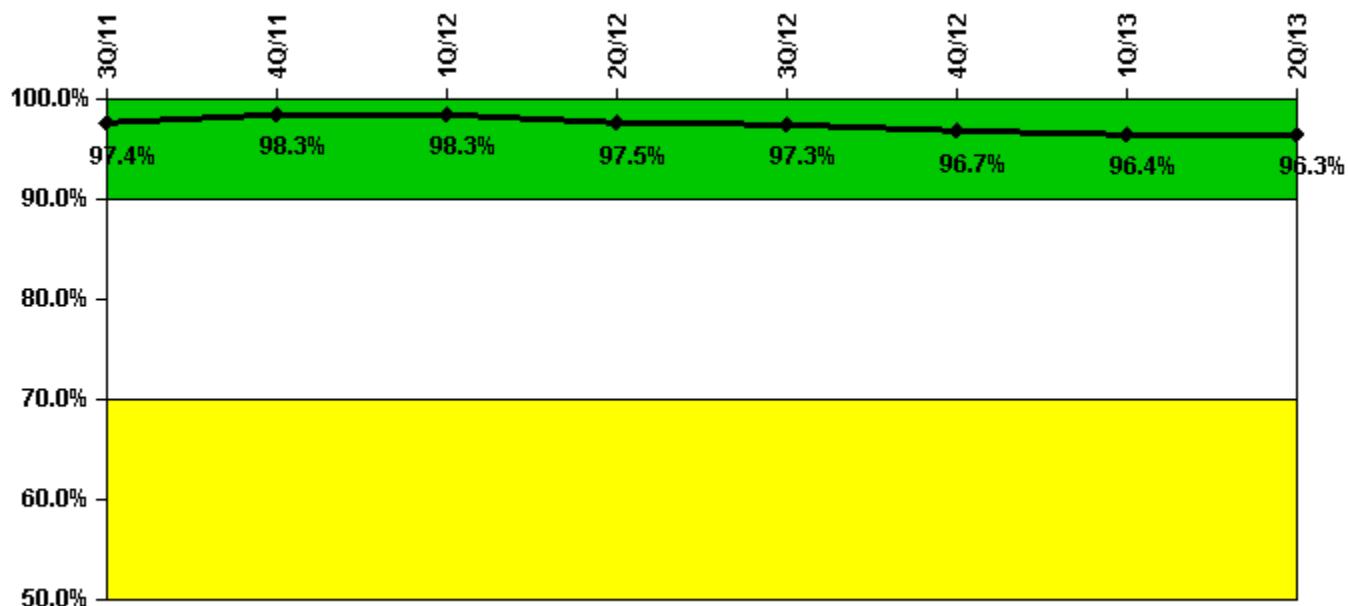
6/12: Total Leakage is being reported in lieu of Identified Leakage

3/12: Total Leakage is being reported in lieu of Identified Leakage.

12/11: Total Leakage is being reported in lieu of Identified Leakage.

9/11: Total Leakage is being reported in lieu of Identified Leakage.

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

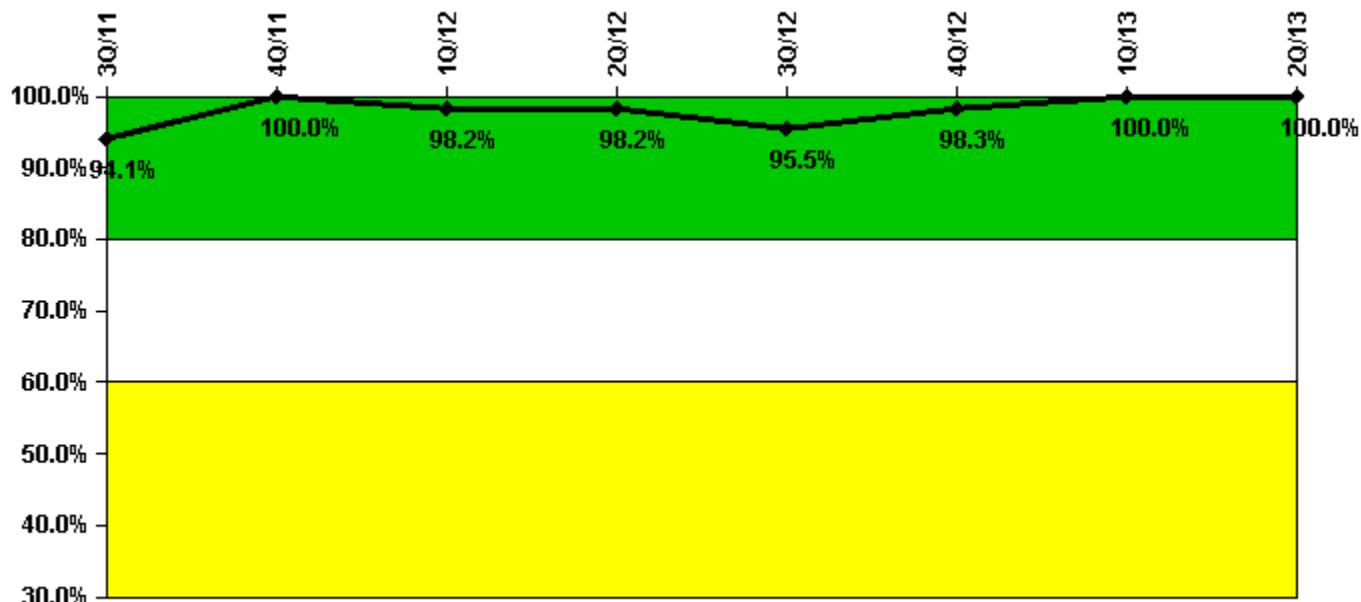
Notes

Drill/Exercise Performance	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful opportunities	17.0	9.0	21.0	48.0	16.0	13.0	26.0	8.0
Total opportunities	17.0	10.0	21.0	50.0	16.0	15.0	27.0	8.0
Indicator value	97.4%	98.3%	98.3%	97.5%	97.3%	96.7%	96.4%	96.3%

Licensee Comments:

3Q/11: The April 2011 ERO Drill Exercise Performance was revised with the 3rd quarter 2011 submittal. April Successful Drills and Total Drills were reduced from 11 each, to 10 each. This revision does not affect the indicator color.

ERO Drill Participation



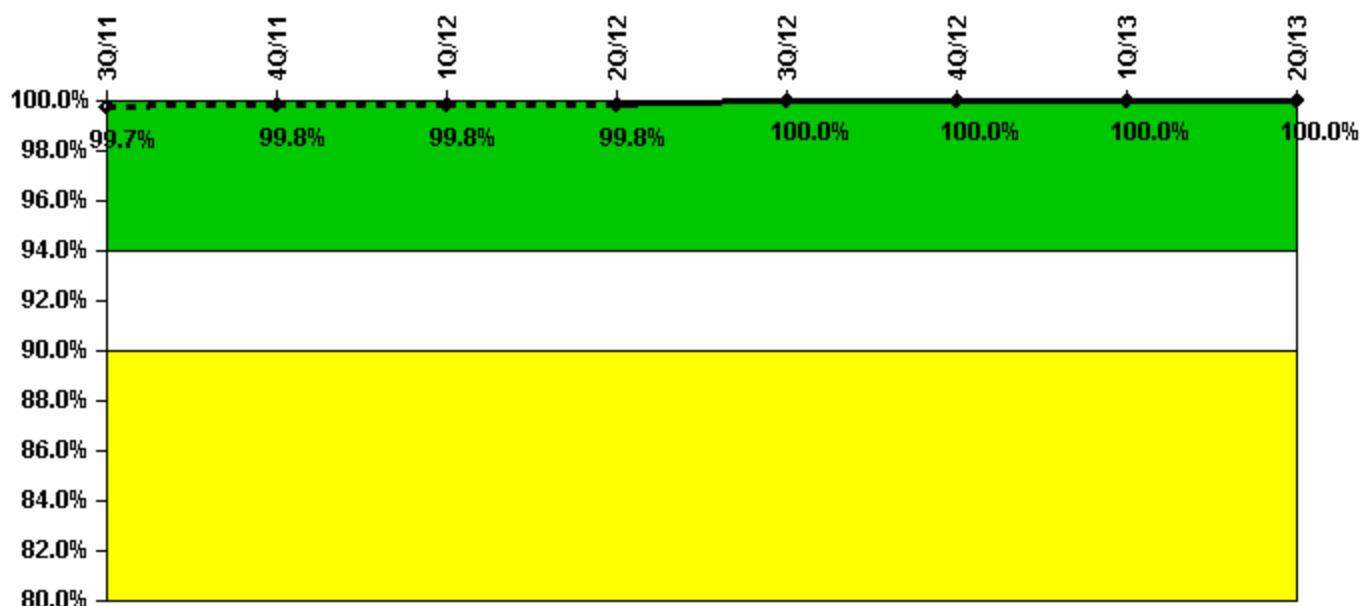
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Participating Key personnel	111.0	114.0	111.0	112.0	106.0	115.0	84.0	81.0
Total Key personnel	118.0	114.0	113.0	114.0	111.0	117.0	84.0	81.0
Indicator value	94.1%	100.0%	98.2%	98.2%	95.5%	98.3%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



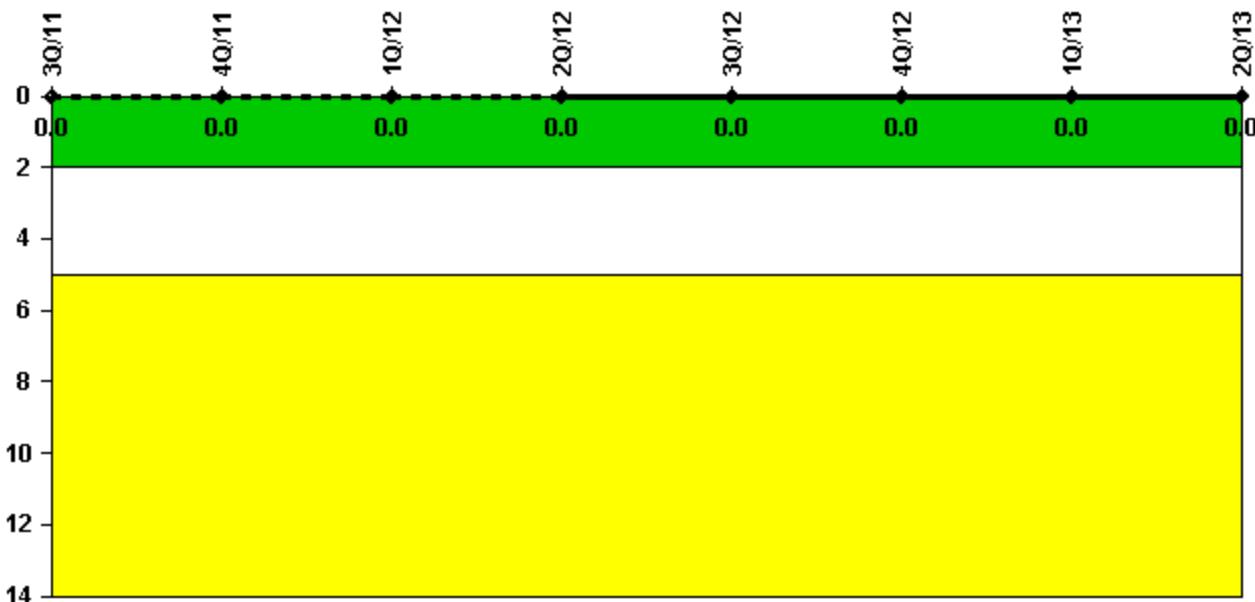
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Successful siren-tests	146	147	147	147	147	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.7%	99.8%	99.8%	99.8%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



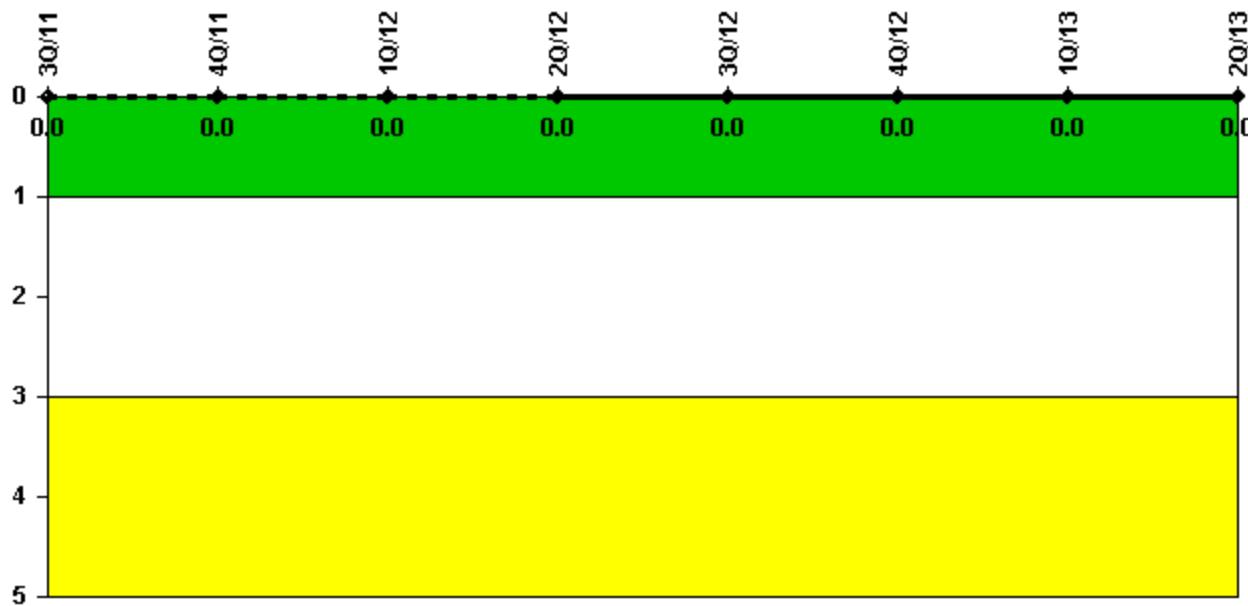
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

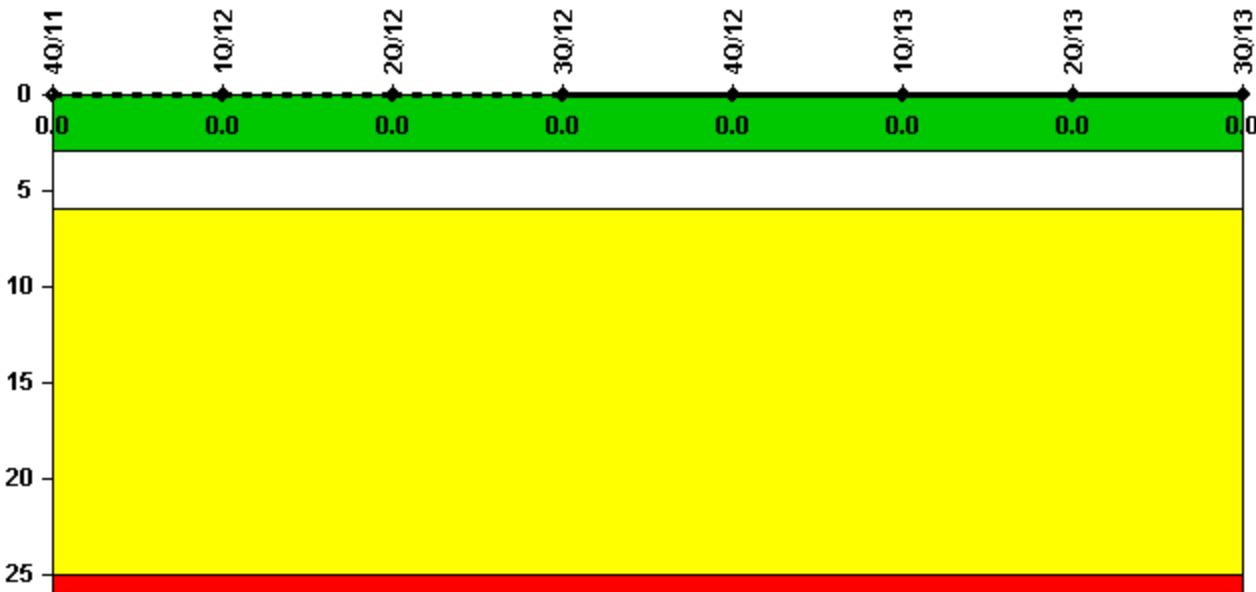
Arkansas Nuclear 1

3Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

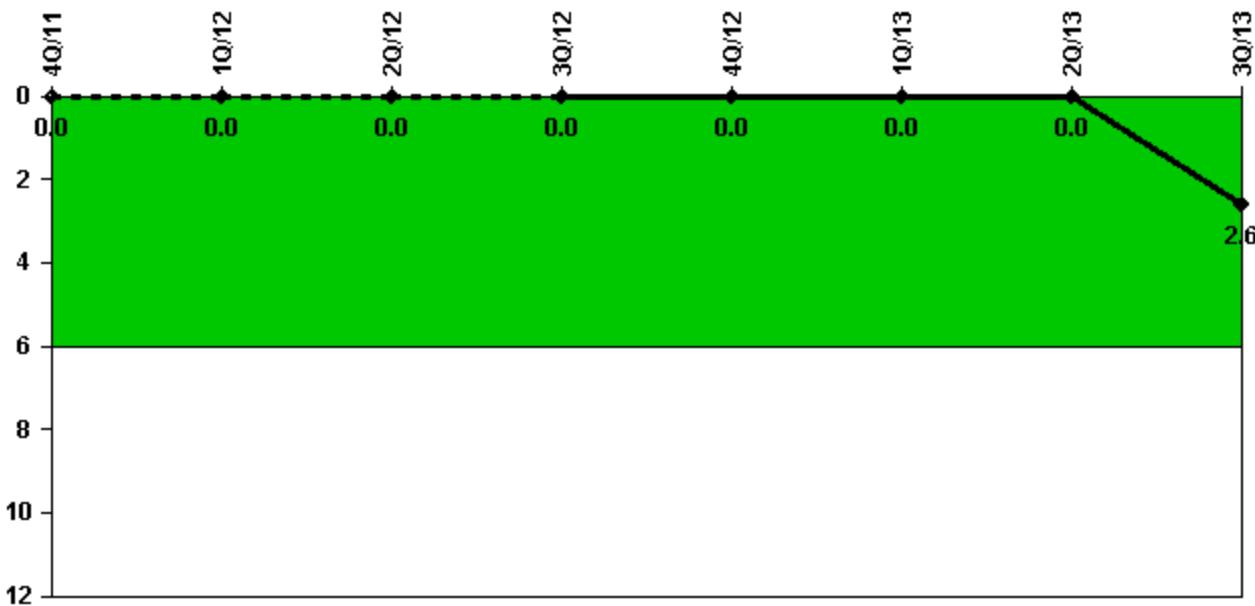


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1350.0	2183.0	2184.0	2208.0	2209.0	1975.0	0	1288.6
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

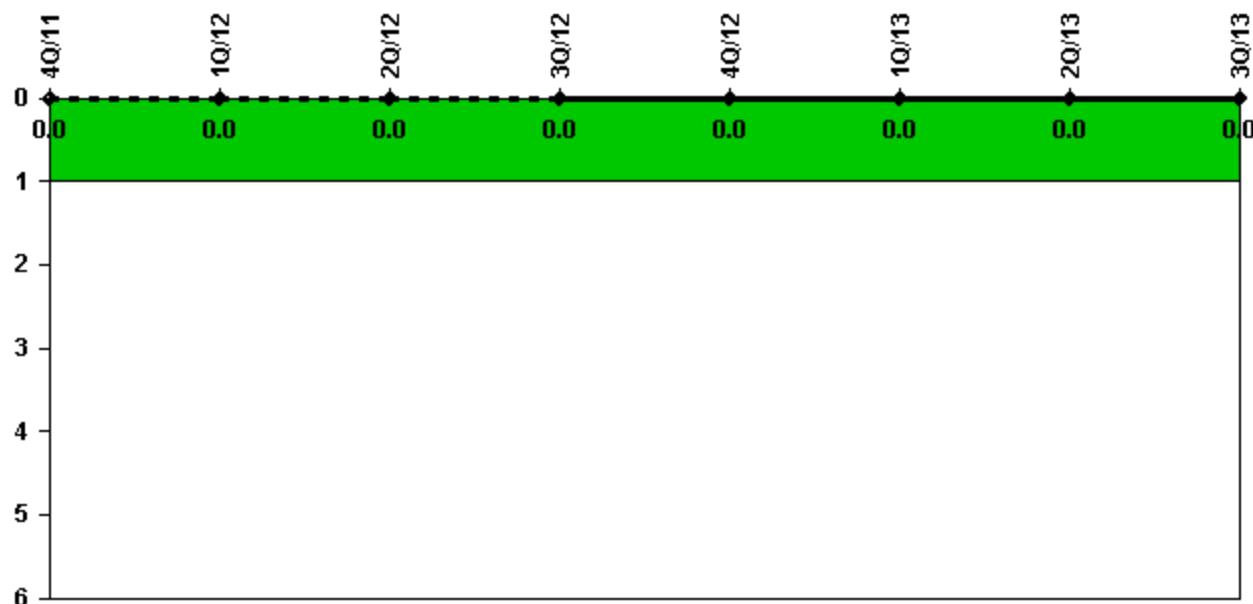
Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	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	2.0
Critical hours	1350.0	2183.0	2184.0	2208.0	2209.0	1975.0	0	1288.6
Indicator value	0	2.6						

Licensee Comments: none

Unplanned Scrams with Complications

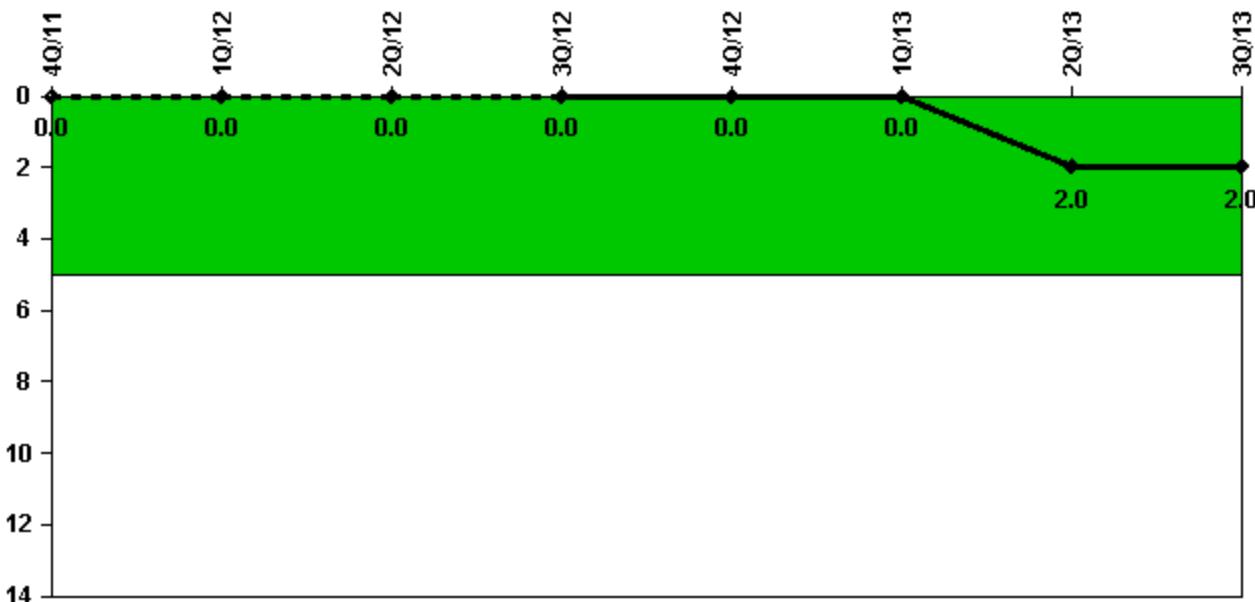
Thresholds: White > 1.0

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

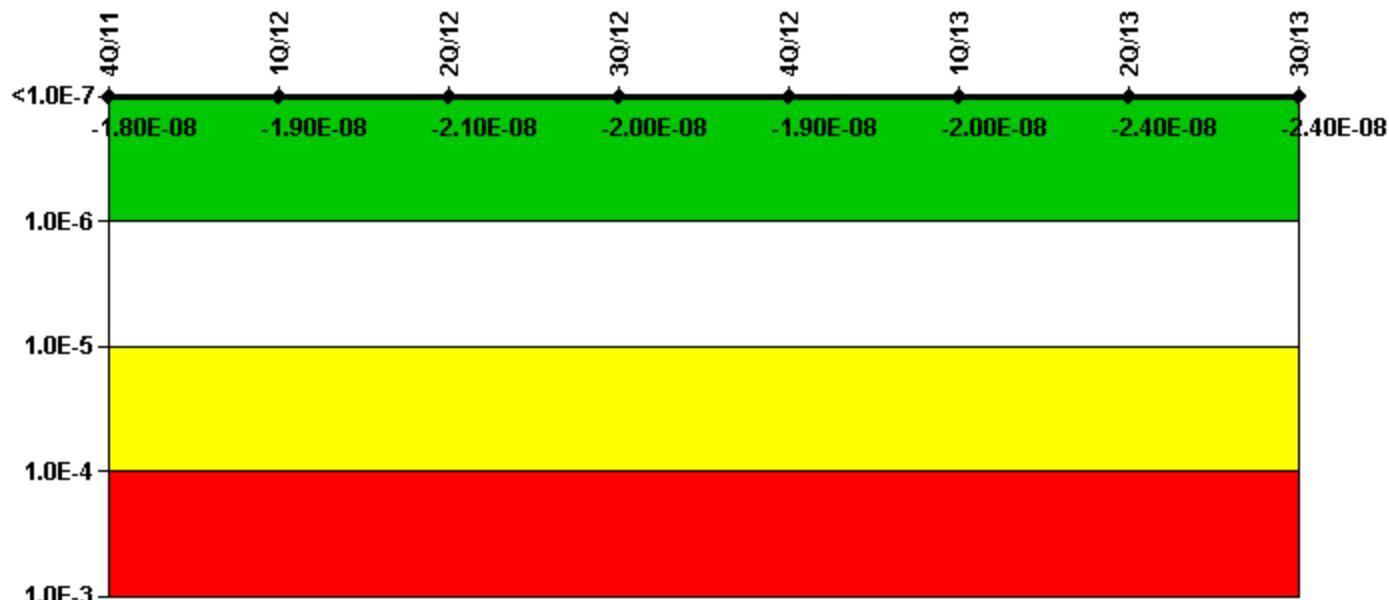
Notes

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	2	0
Indicator value	0	0	0	0	0	0	2	2

Licensee Comments:

2Q/13: April 2013 - Licensee Event Report 50-368/2013-002-00: Emergency Control Room Chiller Inoperability.
May 2013 - Licensee Event Report 50-313/2013-001-00: ANO-1 Main Generator Stator Temporary Lift Assembly Failure

Mitigating Systems Performance Index, Emergency AC Power System



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

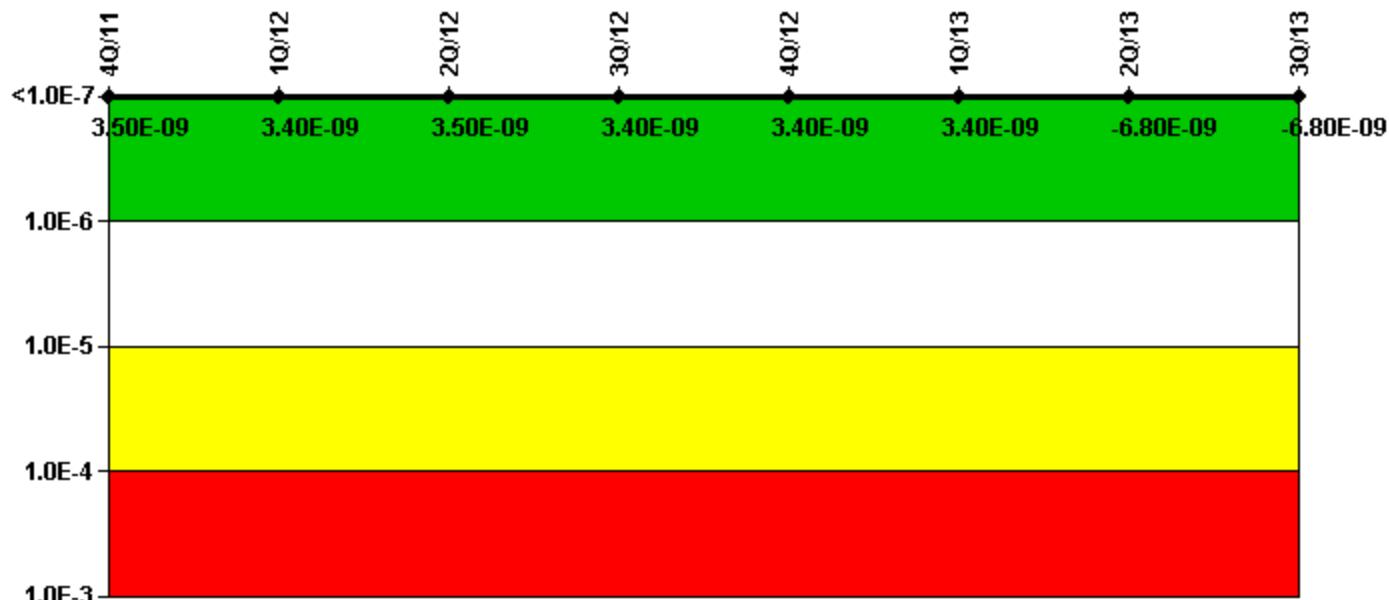
Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	8.20E-10	7.97E-10	-2.38E-09	-2.38E-09	-2.38E-09	-2.38E-09	-2.42E-09	-2.20E-09
URI (Δ CDF)	-1.91E-08	-1.93E-08	-1.88E-08	-1.81E-08	-1.71E-08	-1.77E-08	-2.17E-08	-2.18E-08
PLE	NO							
Indicator value	-1.80E-08	-1.90E-08	-2.10E-08	-2.00E-08	-1.90E-08	-2.00E-08	-2.40E-08	-2.40E-08

Licensee Comments:

1Q/12: The ANO-1 MSPI Basis Document was revised in the 1Q2012 to add the Emergency Diesel Generator (EDG) fuel oil transfer pumps to the scope of the EDG supercomponent boundary. There were no MSPI coefficient changes required as a result of this revision.

Mitigating Systems Performance Index, High Pressure Injection System



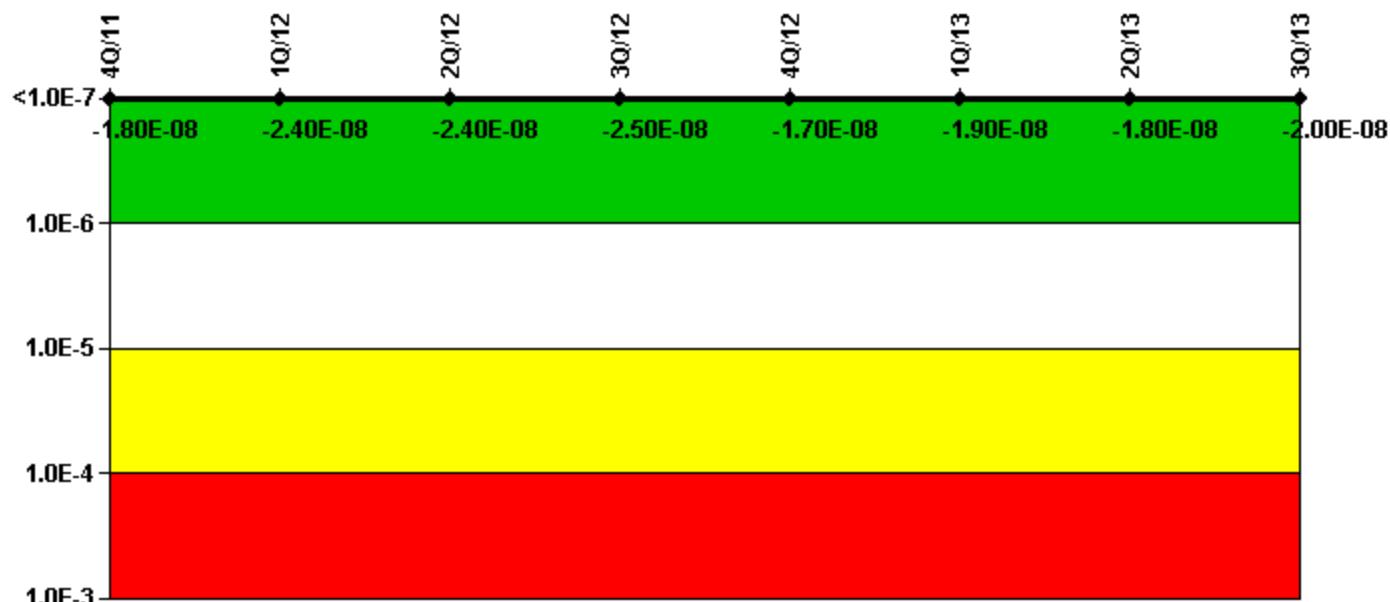
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	4.87E-13	6.87E-12	-3.28E-14	-3.28E-14	-3.28E-14	-8.92E-12	-7.71E-12	-4.32E-12
URI (Δ CDF)	3.51E-09	3.38E-09	3.48E-09	3.40E-09	3.43E-09	3.38E-09	-6.78E-09	-6.82E-09
PLE	NO	NO						
Indicator value	3.50E-09	3.40E-09	3.50E-09	3.40E-09	3.40E-09	3.40E-09	-6.80E-09	-6.80E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

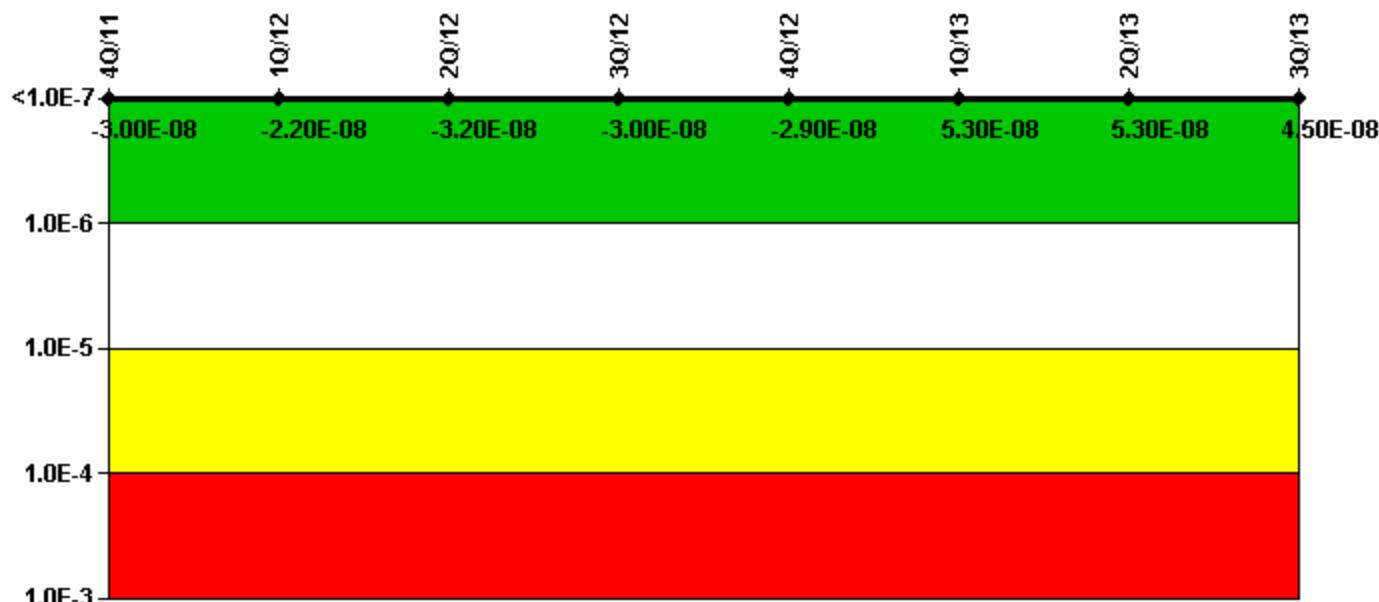


Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	8.94E-09	3.67E-09	2.89E-09	2.23E-09	1.01E-08	8.43E-09	7.53E-09	3.87E-09
URI (Δ CDF)	-2.70E-08	-2.73E-08	-2.73E-08	-2.73E-08	-2.73E-08	-2.72E-08	-2.58E-08	-2.35E-08
PLE	NO							
Indicator value	-1.80E-08	-2.40E-08	-2.40E-08	-2.50E-08	-1.70E-08	-1.90E-08	-1.80E-08	-2.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

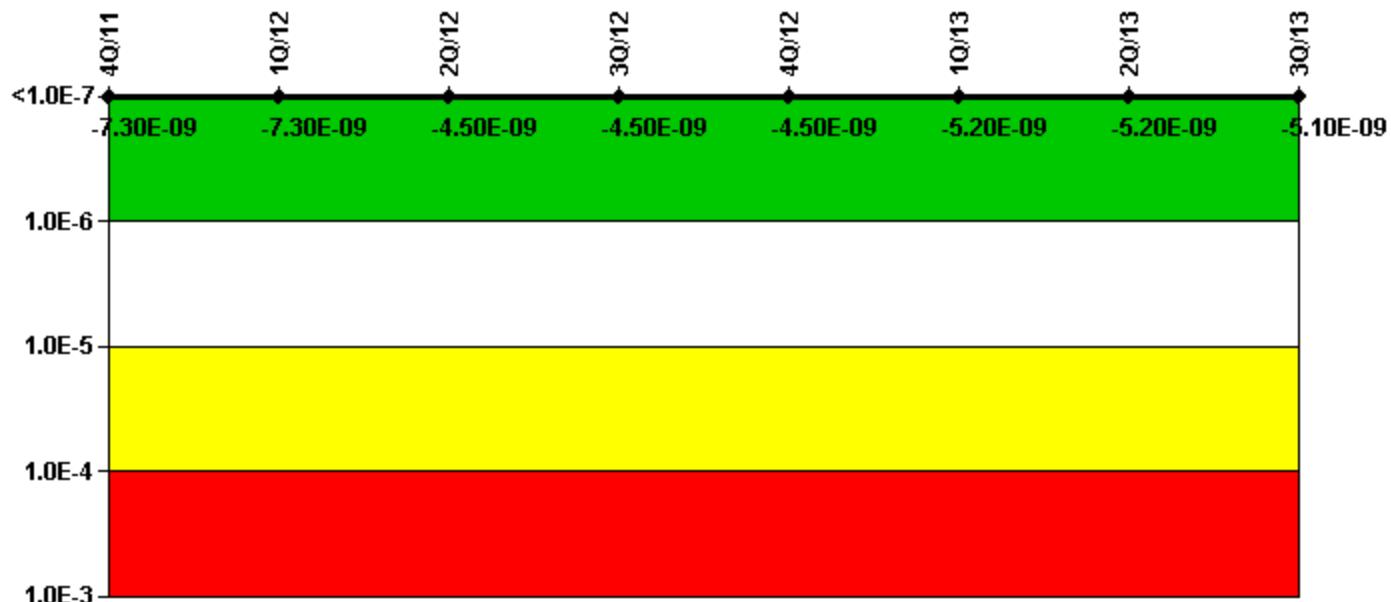
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	9.39E-09	1.69E-08	6.66E-09	1.03E-08	1.29E-08	2.35E-09	5.45E-09	8.16E-09
URI (Δ CDF)	-3.89E-08	-3.88E-08	-3.88E-08	-3.98E-08	-4.15E-08	5.03E-08	4.75E-08	3.73E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.00E-08	-2.20E-08	-3.20E-08	-3.00E-08	-2.90E-08	5.30E-08	5.30E-08	4.50E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



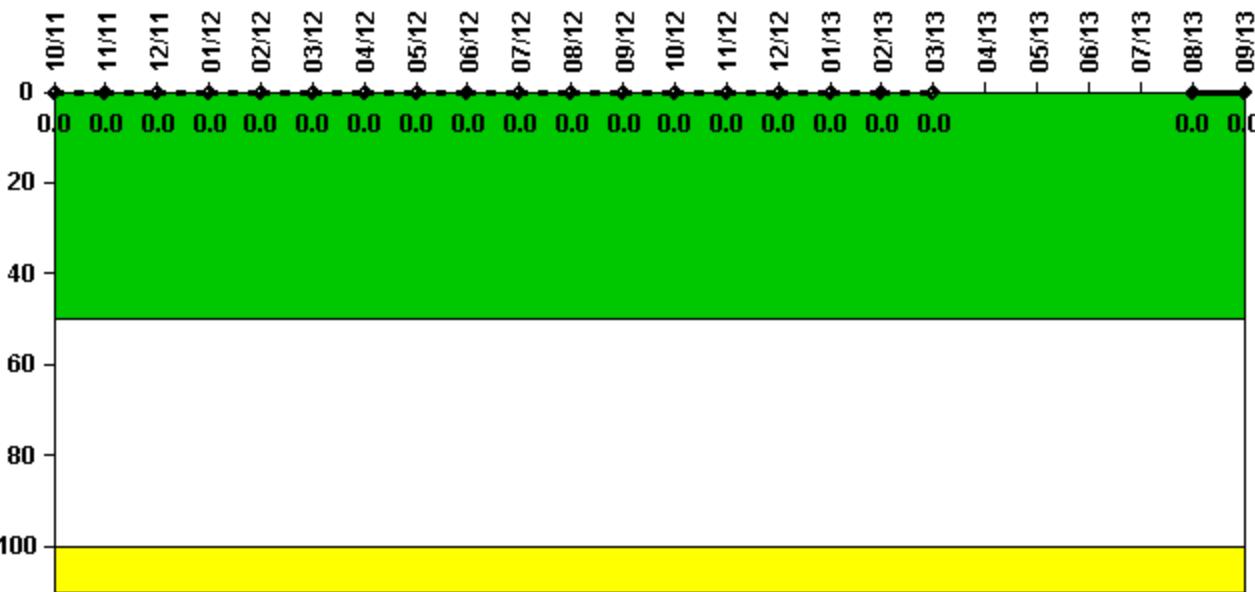
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
UAI (Δ CDF)	-2.75E-09	-2.75E-09	-2.75E-09	-2.75E-09	-2.75E-09	-3.49E-09	-3.49E-09	-3.39E-09
URI (Δ CDF)	-4.51E-09	-4.51E-09	-1.70E-09	-1.71E-09	-1.72E-09	-1.71E-09	-1.72E-09	-1.70E-09
PLE	NO							
Indicator value	-7.30E-09	-7.30E-09	-4.50E-09	-4.50E-09	-4.50E-09	-5.20E-09	-5.20E-09	-5.10E-09

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

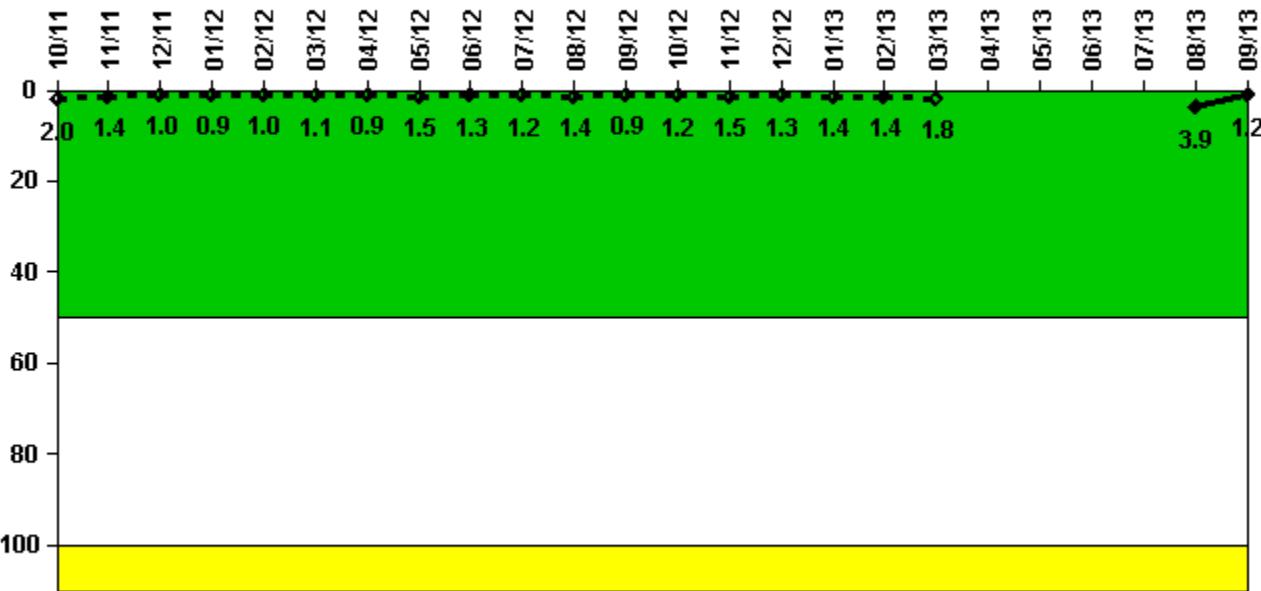
Reactor Coolant System Activity	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum activity	0.000404	0.000082	0.000176	0.000095	0.000097	0.000160	0.000112	0.000109	0.000120	0.000114	0.000119	0.000125
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13
Maximum activity	0.000220	0.000135	0.000204	0.000139	0.000142	0.000379	N/A	N/A	N/A	N/A	0.000066	0.000066
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	N/A	N/A	N/A	N/A	0	0

Licensee Comments:

9/13: ANO-1 was off line the entire month of July.

6/13: ANO-1 was off line for the entire second quarter 2013.

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	0.204	0.140	0.097	0.087	0.103	0.105	0.094	0.149	0.129	0.124	0.136	0.088
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	1.4	1.0	0.9	1.0	1.1	0.9	1.5	1.3	1.2	1.4	0.9
Reactor Coolant System Leakage	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13
Maximum leakage	0.124	0.145	0.128	0.139	0.141	0.181	N/A	N/A	N/A	N/A	0.389	0.123
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	1.5	1.3	1.4	1.4	1.8	N/A	N/A	N/A	N/A	3.9	1.2

Licensee Comments:

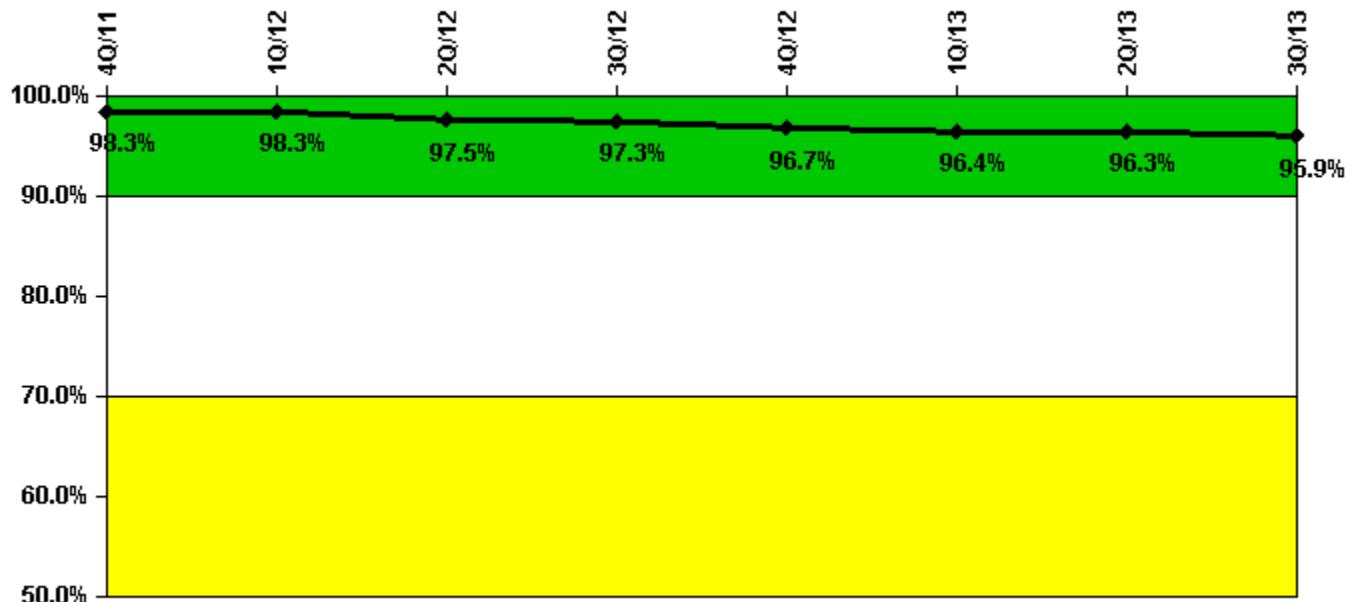
- 9/13: Total Leakage is being reported in lieu of Identified Leakage. ANO-1 was off line the entire month of July.
- 6/13: ANO-1 was off line for the entire second quarter 2013.
- 3/13: Total Leakage is being reported in lieu of Identified Leakage
- 12/12: Total Leakage is being reported in lieu of Identified Leakage.
- 9/12: Total Leakage is being reported in lieu of Identified Leakage.

6/12: Total Leakage is being reported in lieu of Identified Leakage

3/12: Total Leakage is being reported in lieu of Identified Leakage.

12/11: Total Leakage is being reported in lieu of Identified Leakage.

Drill/Exercise Performance



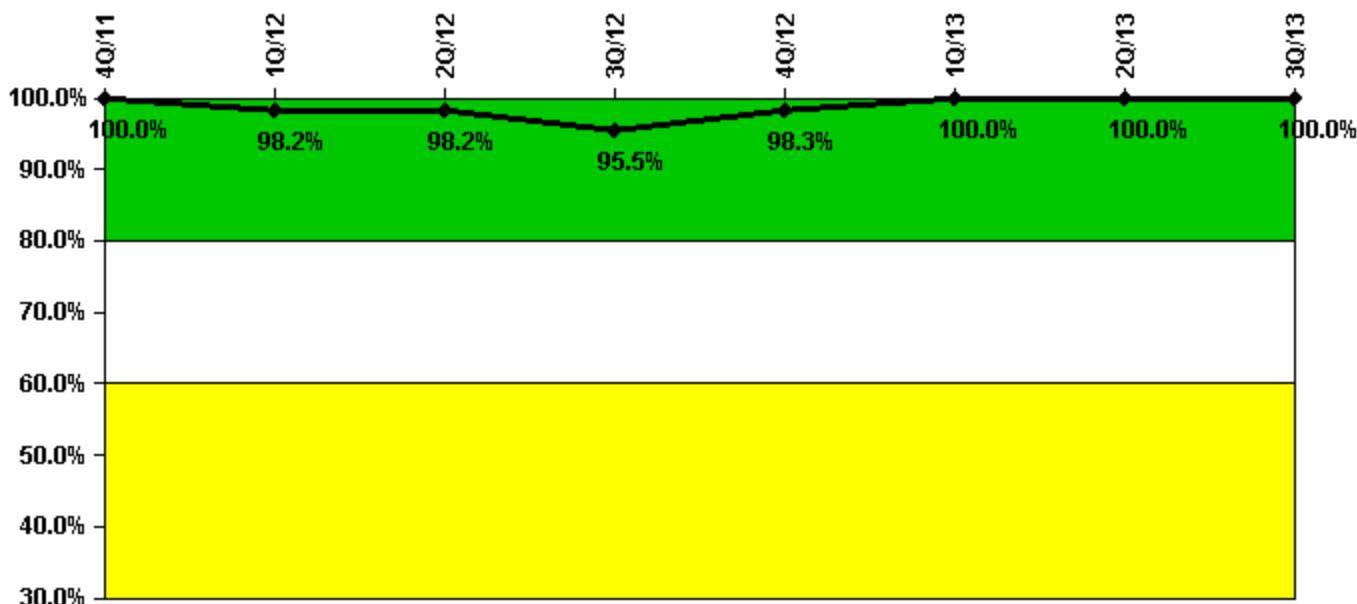
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful opportunities	9.0	21.0	48.0	16.0	13.0	26.0	8.0	44.0
Total opportunities	10.0	21.0	50.0	16.0	15.0	27.0	8.0	46.0
Indicator value	98.3%	98.3%	97.5%	97.3%	96.7%	96.4%	96.3%	95.9%

Licensee Comments: none

ERO Drill Participation



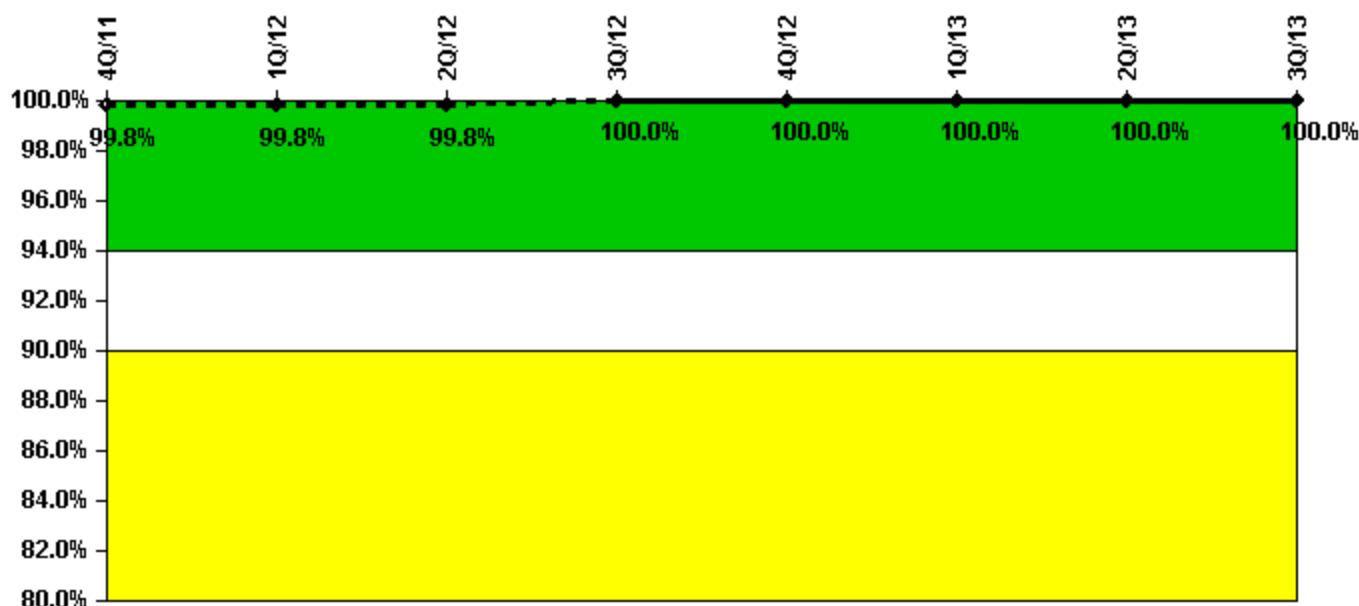
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Participating Key personnel	114.0	111.0	112.0	106.0	115.0	84.0	81.0	98.0
Total Key personnel	114.0	113.0	114.0	111.0	117.0	84.0	81.0	98.0
Indicator value	100.0%	98.2%	98.2%	95.5%	98.3%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



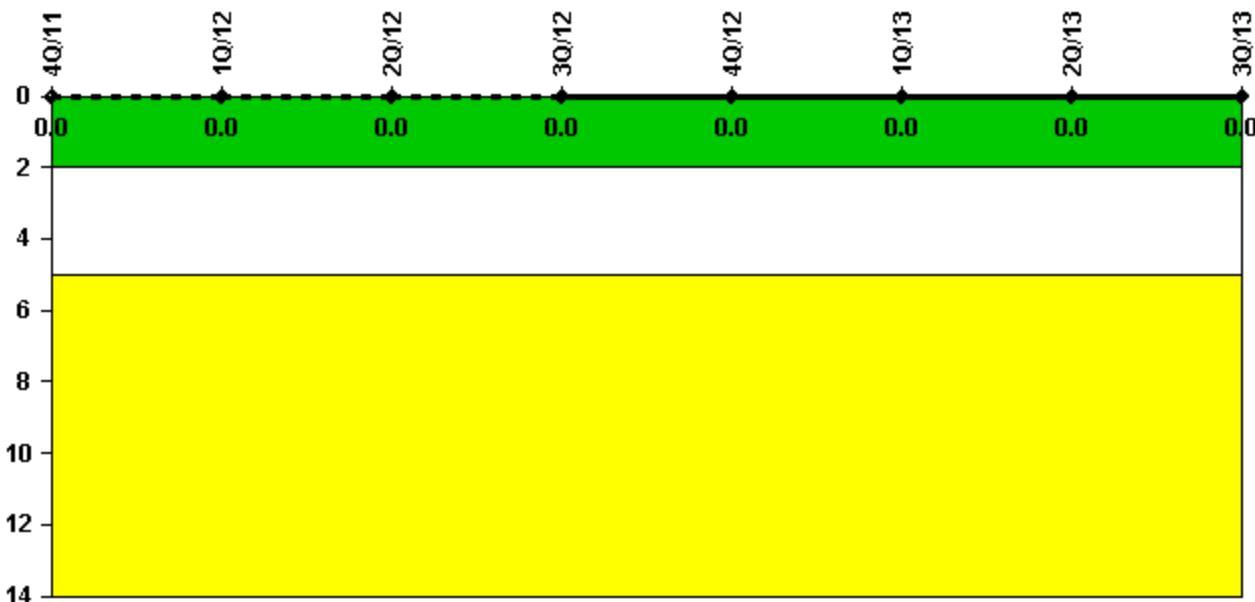
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Successful siren-tests	147	147	147	147	147	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.8%	99.8%	99.8%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



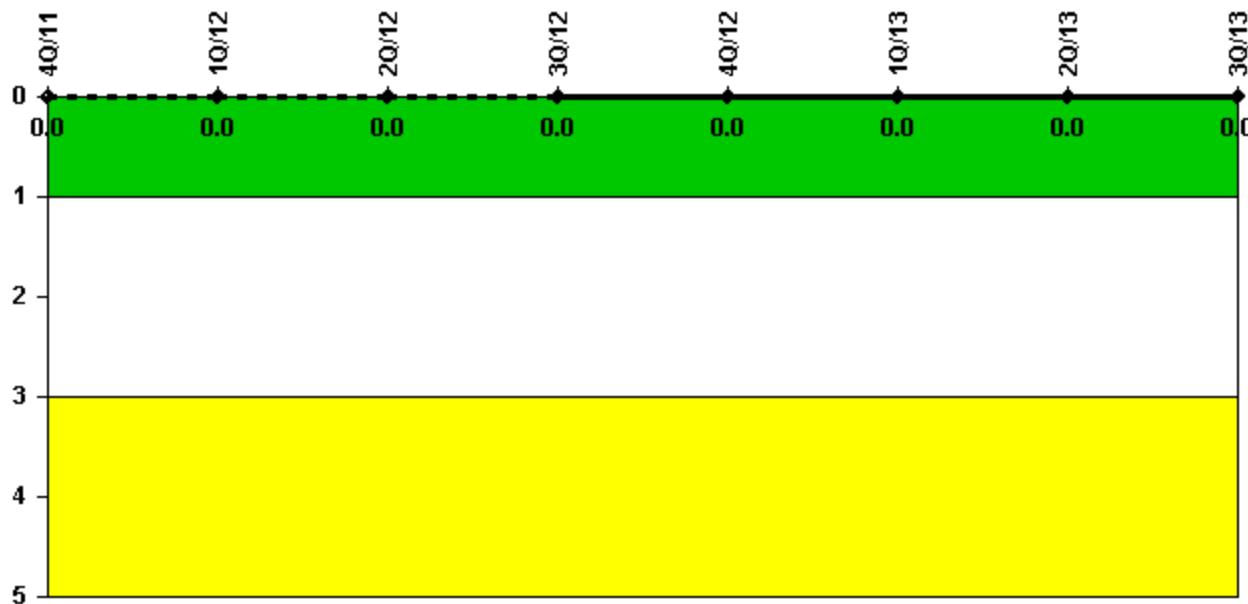
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

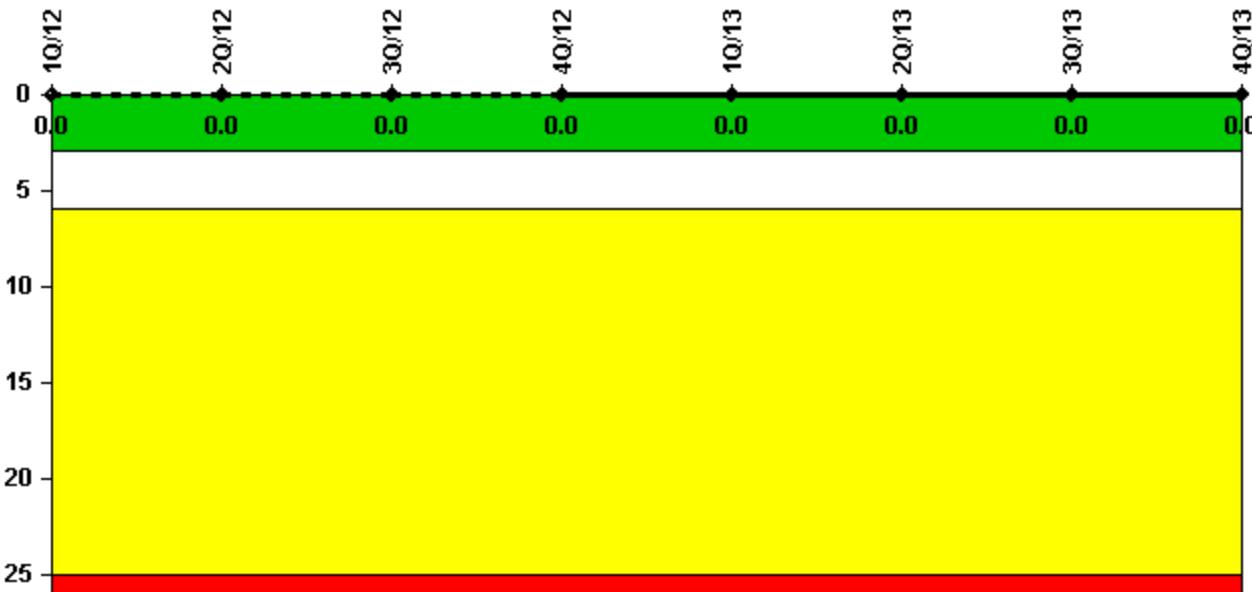
Arkansas Nuclear 1

4Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



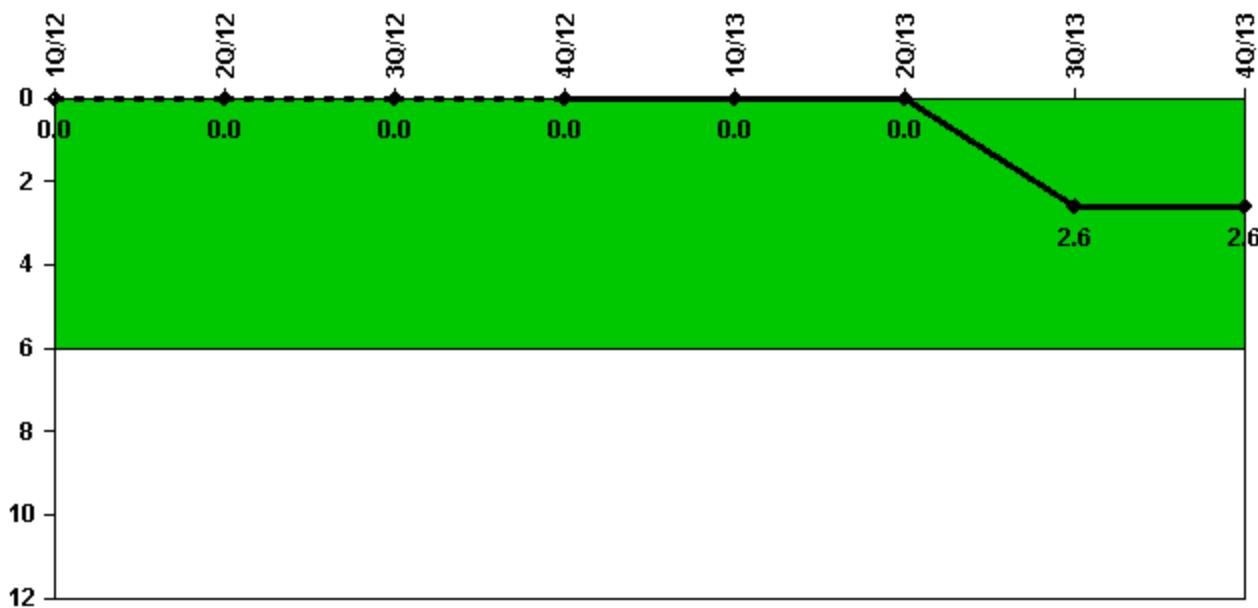
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2209.0	1975.0	0	1288.6	2209.0
Indicator value	0							

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

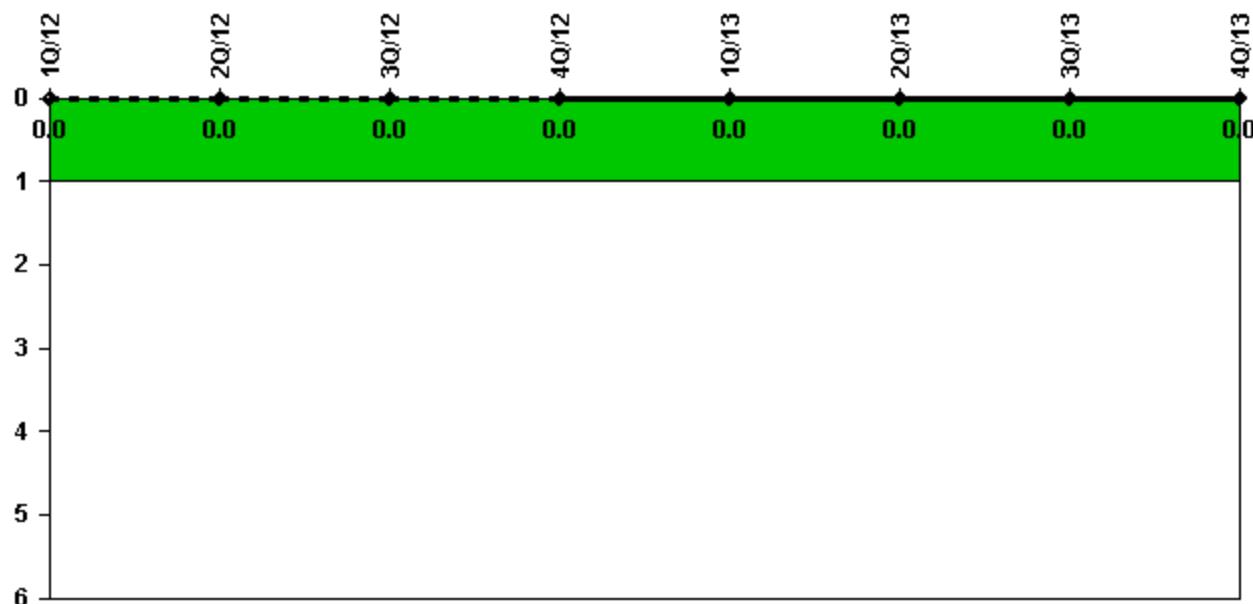


Thresholds: White > 6.0

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	2.0	0
Critical hours	2183.0	2184.0	2208.0	2209.0	1975.0	0	1288.6	2209.0
Indicator value	0	0	0	0	0	0	2.6	2.6

Licensee Comments: none

Unplanned Scrams with Complications

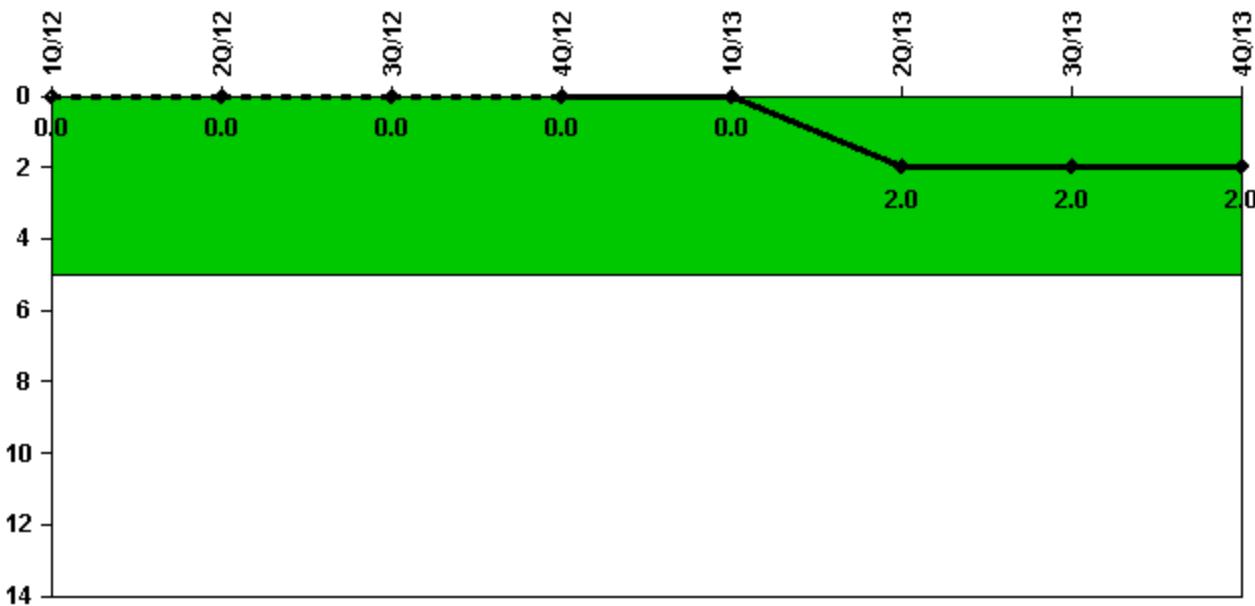
Thresholds: White > 1.0

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

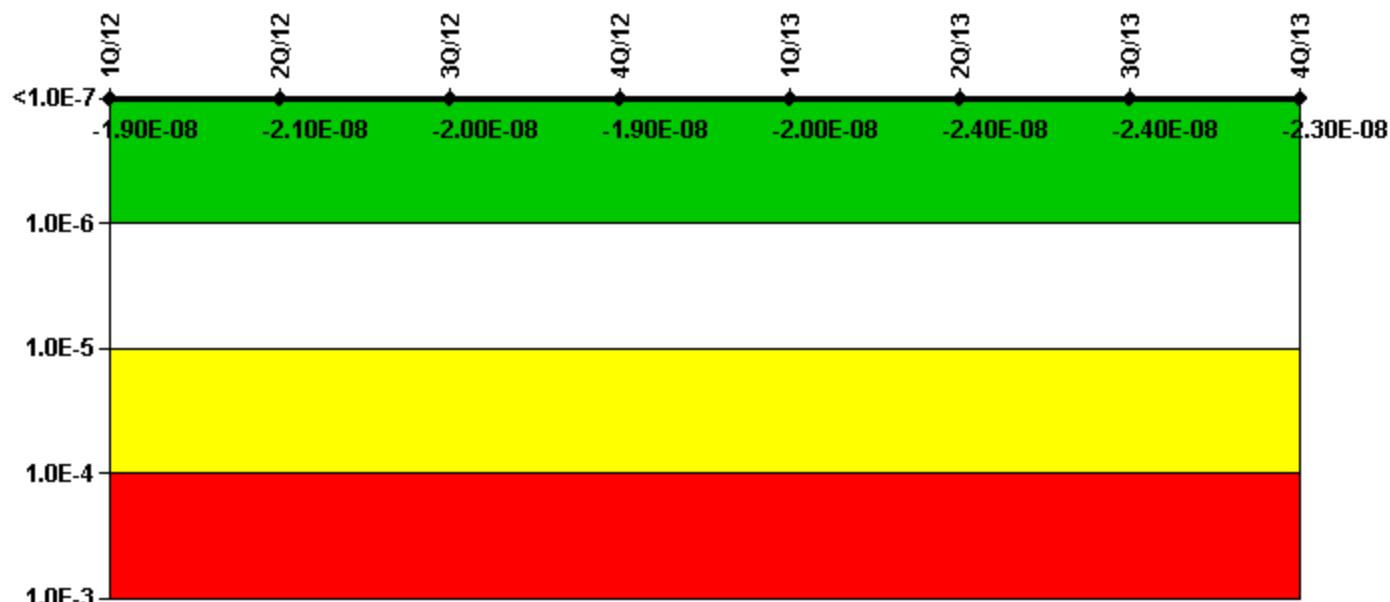
Notes

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	2	0	0
Indicator value	0	0	0	0	0	2	2	2

Licensee Comments:

2Q/13: April 2013 - Licensee Event Report 50-368/2013-002-00: Emergency Control Room Chiller Inoperability.
 May 2013 - Licensee Event Report 50-313/2013-001-00: ANO-1 Main Generator Stator Temporary Lift Assembly Failure

Mitigating Systems Performance Index, Emergency AC Power System



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

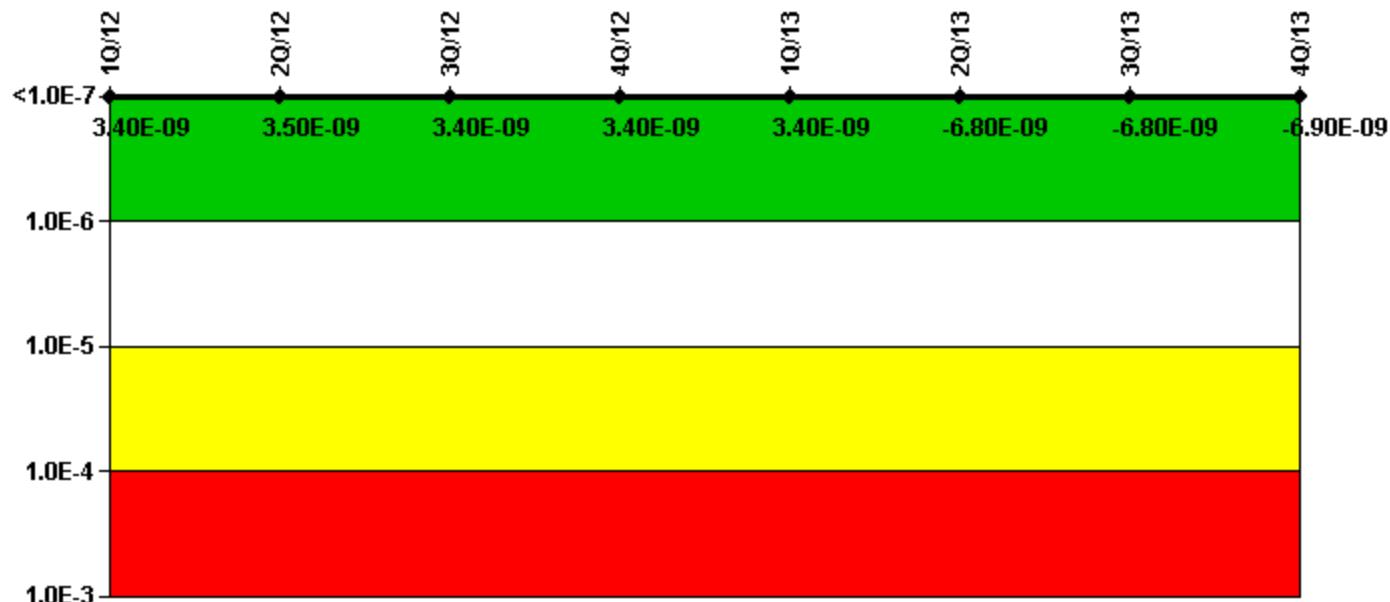
Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	7.97E-10	-2.38E-09	-2.38E-09	-2.38E-09	-2.38E-09	-2.42E-09	-2.20E-09	-1.98E-09
URI (Δ CDF)	-1.93E-08	-1.88E-08	-1.81E-08	-1.71E-08	-1.77E-08	-2.17E-08	-2.18E-08	-2.14E-08
PLE	NO							
Indicator value	-1.90E-08	-2.10E-08	-2.00E-08	-1.90E-08	-2.00E-08	-2.40E-08	-2.40E-08	-2.30E-08

Licensee Comments:

1Q/12: The ANO-1 MSPI Basis Document was revised in the 1Q2012 to add the Emergency Diesel Generator (EDG) fuel oil transfer pumps to the scope of the EDG supercomponent boundary. There were no MSPI coefficient changes required as a result of this revision.

Mitigating Systems Performance Index, High Pressure Injection System



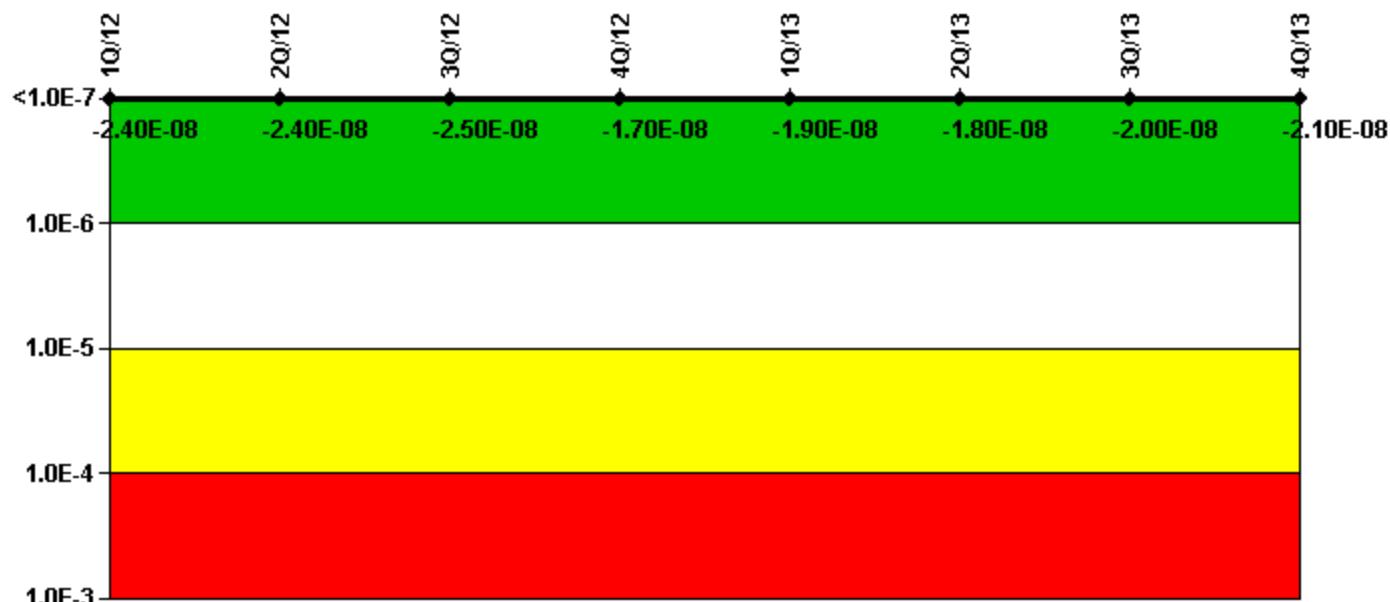
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	6.87E-12	-3.28E-14	-3.28E-14	-3.28E-14	-8.92E-12	-7.71E-12	-4.32E-12	-8.30E-12
URI (Δ CDF)	3.38E-09	3.48E-09	3.40E-09	3.43E-09	3.38E-09	-6.78E-09	-6.82E-09	-6.90E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.40E-09	3.50E-09	3.40E-09	3.40E-09	3.40E-09	-6.80E-09	-6.80E-09	-6.90E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



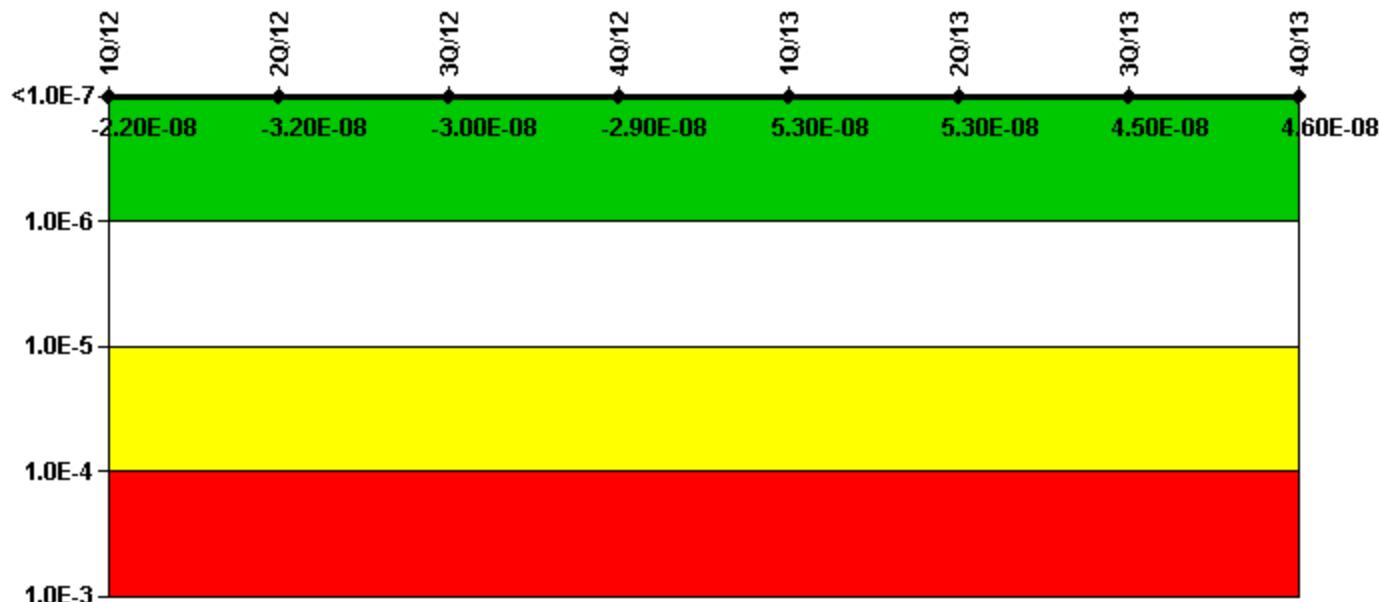
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	3.67E-09	2.89E-09	2.23E-09	1.01E-08	8.43E-09	7.53E-09	3.87E-09	1.29E-09
URI (Δ CDF)	-2.73E-08	-2.73E-08	-2.73E-08	-2.73E-08	-2.72E-08	-2.58E-08	-2.35E-08	-2.28E-08
PLE	NO							
Indicator value	-2.40E-08	-2.40E-08	-2.50E-08	-1.70E-08	-1.90E-08	-1.80E-08	-2.00E-08	-2.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



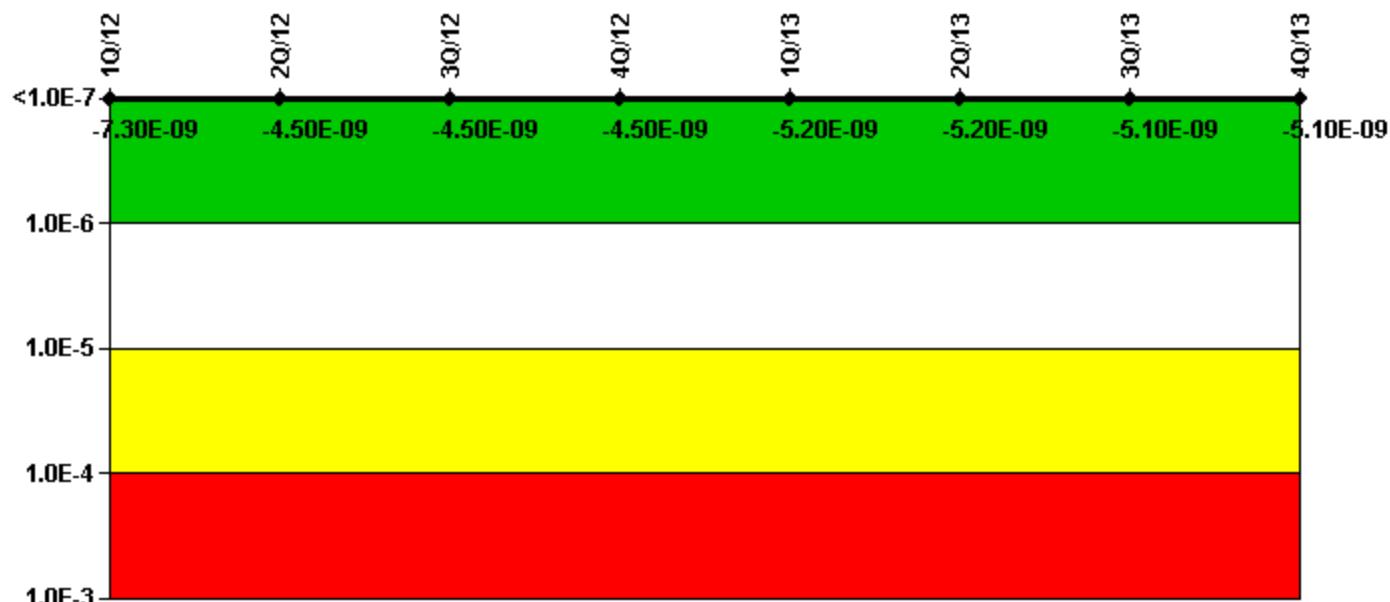
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	1.69E-08	6.66E-09	1.03E-08	1.29E-08	2.35E-09	5.45E-09	8.16E-09	8.16E-09
URI (Δ CDF)	-3.88E-08	-3.88E-08	-3.98E-08	-4.15E-08	5.03E-08	4.75E-08	3.73E-08	3.76E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.20E-08	-3.20E-08	-3.00E-08	-2.90E-08	5.30E-08	5.30E-08	4.50E-08	4.60E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



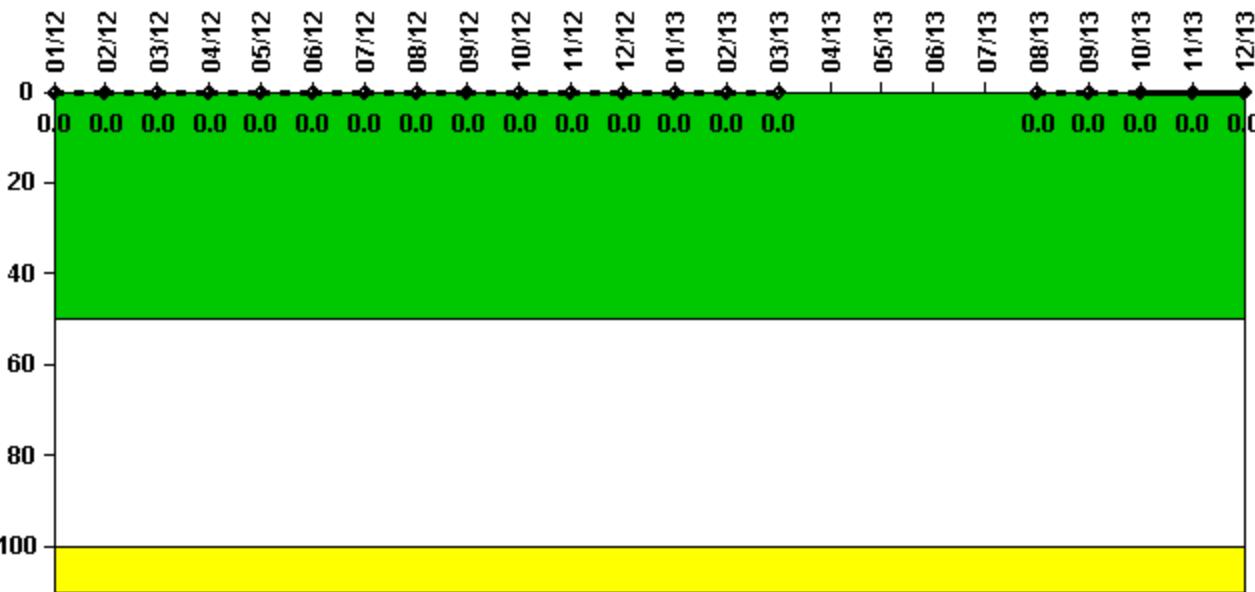
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
UAI (Δ CDF)	-2.75E-09	-2.75E-09	-2.75E-09	-2.75E-09	-3.49E-09	-3.49E-09	-3.39E-09	-3.39E-09
URI (Δ CDF)	-4.51E-09	-1.70E-09	-1.71E-09	-1.72E-09	-1.71E-09	-1.72E-09	-1.70E-09	-1.71E-09
PLE	NO							
Indicator value	-7.30E-09	-4.50E-09	-4.50E-09	-4.50E-09	-5.20E-09	-5.20E-09	-5.10E-09	-5.10E-09

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

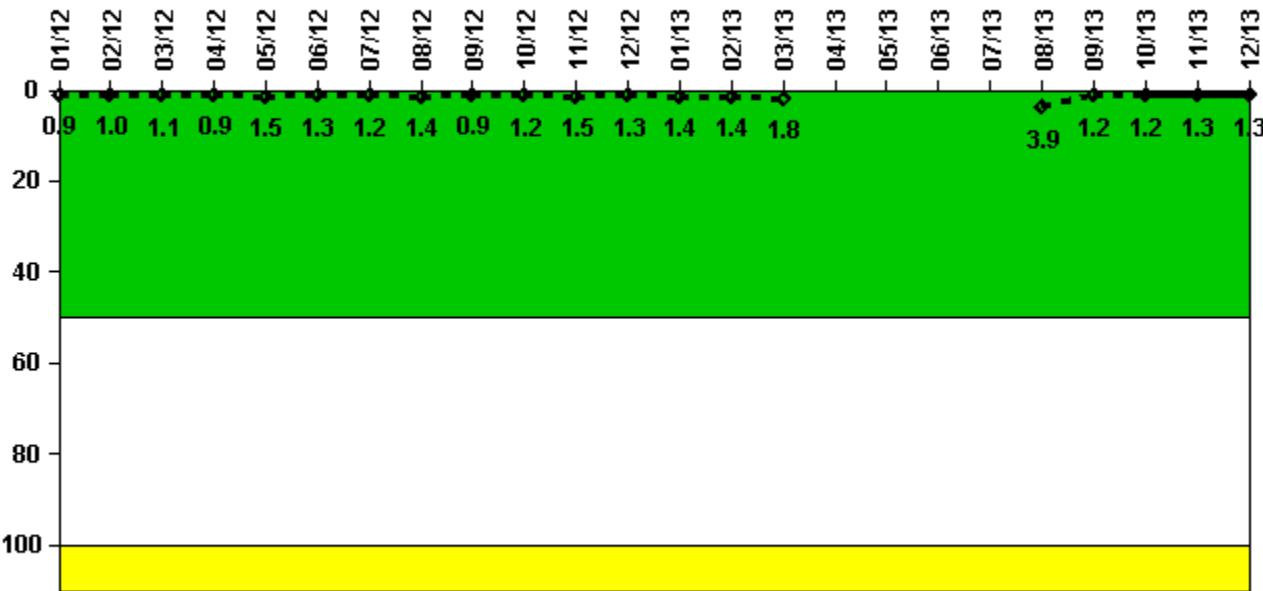
Reactor Coolant System Activity	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Maximum activity	0.000095	0.000097	0.000160	0.000112	0.000109	0.000120	0.000114	0.000119	0.000125	0.000220	0.000135	0.000204
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum activity	0.000139	0.000142	0.000379	N/A	N/A	N/A	N/A	0.000066	0.000066	0.000066	0.000076	0.000089
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	N/A	N/A	N/A	N/A	0	0	0	0	0

Licensee Comments:

9/13: ANO-1 was off line the entire month of July.

6/13: ANO-1 was off line for the entire second quarter 2013.

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	0.087	0.103	0.105	0.094	0.149	0.129	0.124	0.136	0.088	0.124	0.145	0.128
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	1.1	0.9	1.5	1.3	1.2	1.4	0.9	1.2	1.5	1.3

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	0.139	0.141	0.181	N/A	N/A	N/A	N/A	0.389	0.123	0.115	0.128	0.132
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	1.8	N/A	N/A	N/A	N/A	3.9	1.2	1.2	1.3	1.3

Licensee Comments:

12/13: Total Leakage is being reported in lieu of Identified Leakage.

9/13: Total Leakage is being reported in lieu of Identified Leakage. ANO-1 was off line the entire month of July.

6/13: ANO-1 was off line for the entire second quarter 2013.

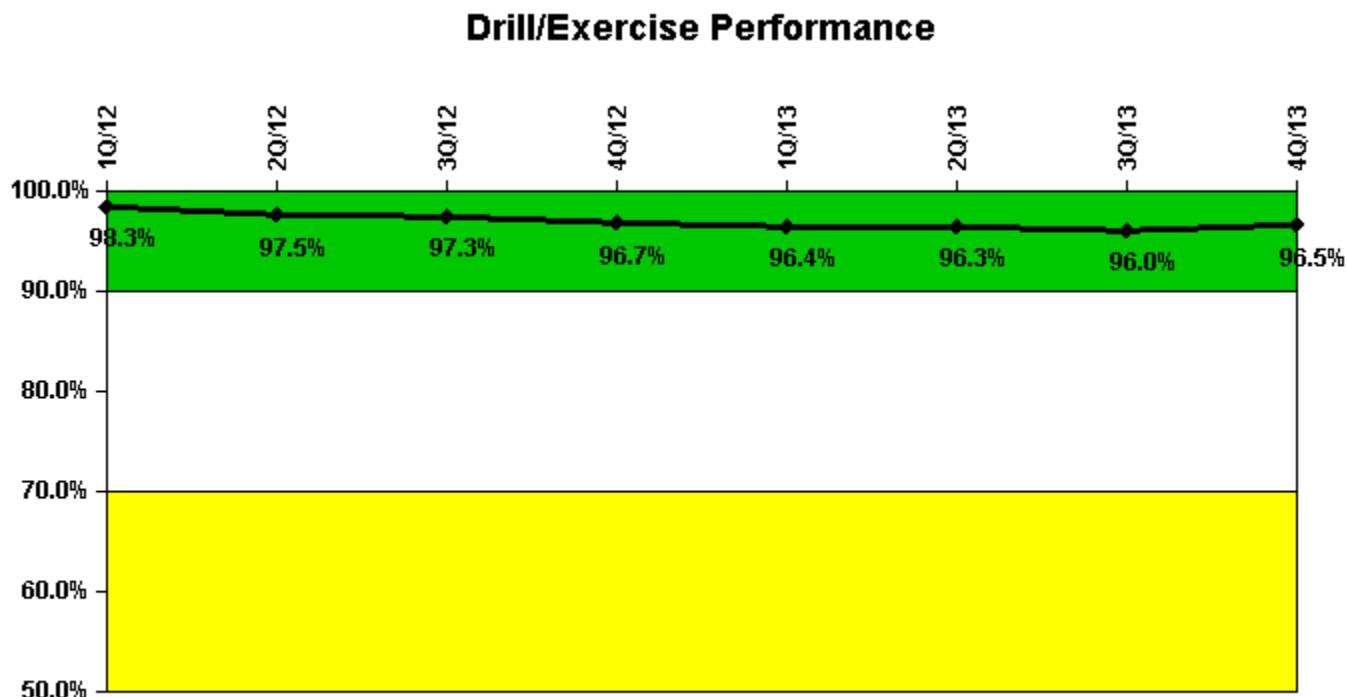
3/13: Total Leakage is being reported in lieu of Identified Leakage

12/12: Total Leakage is being reported in lieu of Identified Leakage.

9/12: Total Leakage is being reported in lieu of Identified Leakage.

6/12: Total Leakage is being reported in lieu of Identified Leakage

3/12: Total Leakage is being reported in lieu of Identified Leakage.



Thresholds: White < 90.0% Yellow < 70.0%

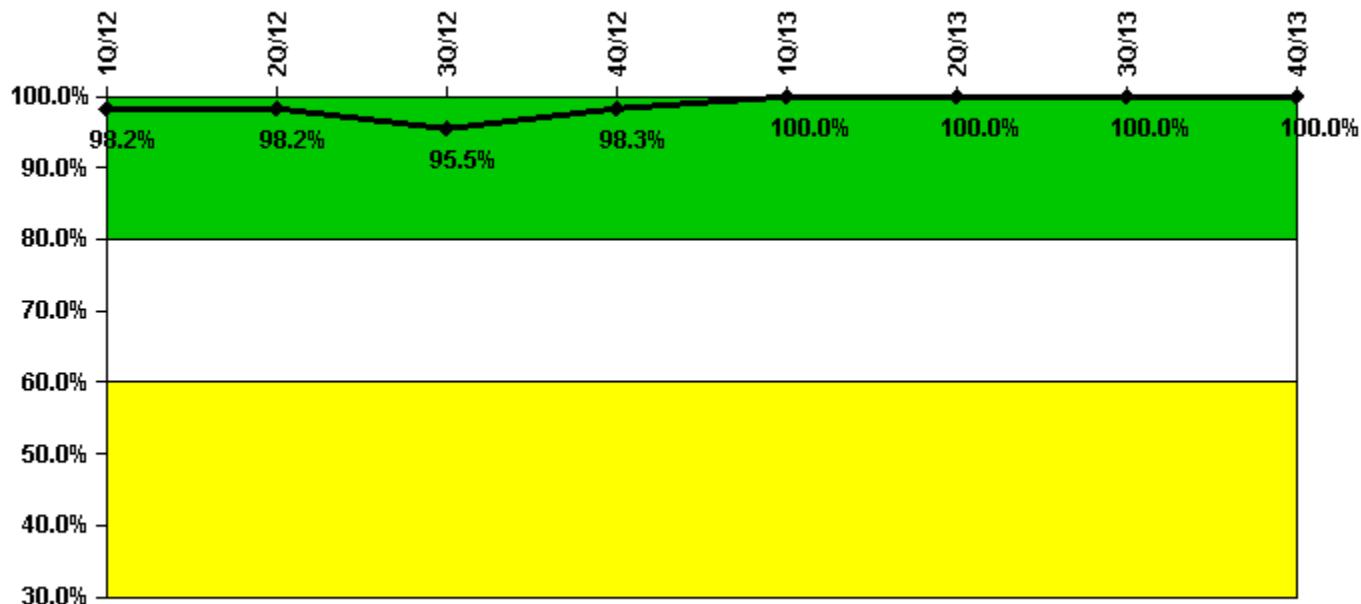
Notes

Drill/Exercise Performance	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful opportunities	21.0	48.0	16.0	13.0	26.0	8.0	49.0	39.0
Total opportunities	21.0	50.0	16.0	15.0	27.0	8.0	51.0	40.0
Indicator value	98.3%	97.5%	97.3%	96.7%	96.4%	96.3%	96.0%	96.5%

Licensee Comments:

3Q/13: In January of 2014, five drills that were not previously counted were added to the 3rd Quarter 2013 Emergency Preparedness data.

ERO Drill Participation



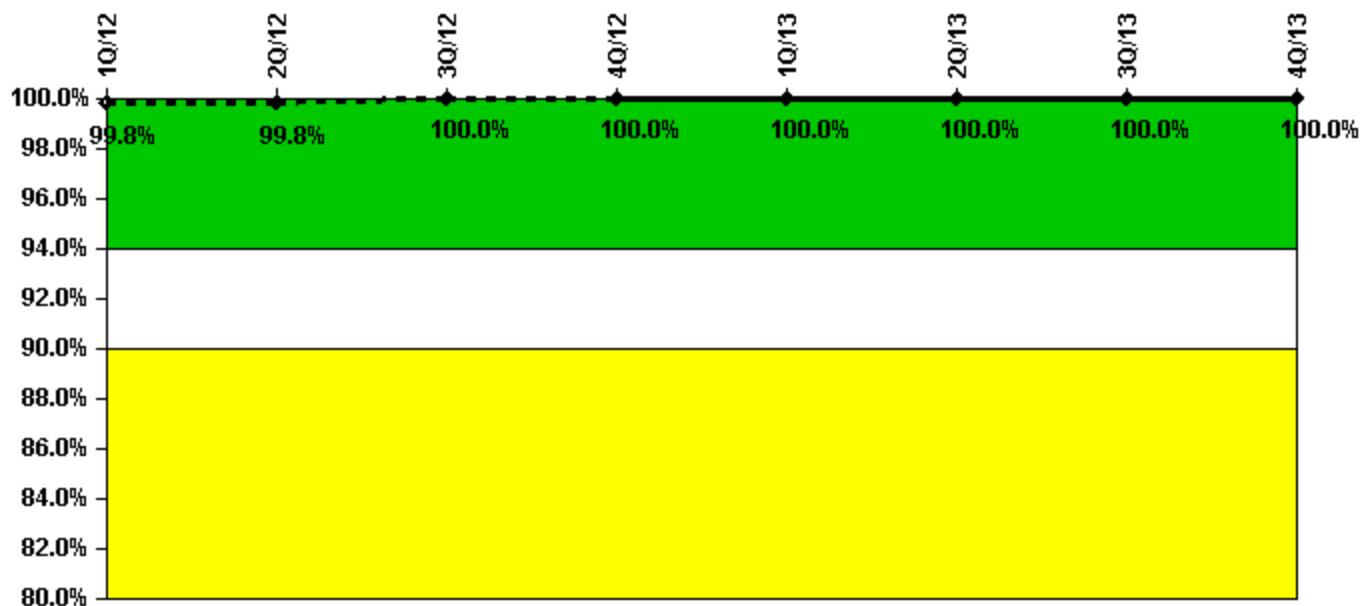
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Participating Key personnel	111.0	112.0	106.0	115.0	84.0	81.0	98.0	99.0
Total Key personnel	113.0	114.0	111.0	117.0	84.0	81.0	98.0	99.0
Indicator value	98.2%	98.2%	95.5%	98.3%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



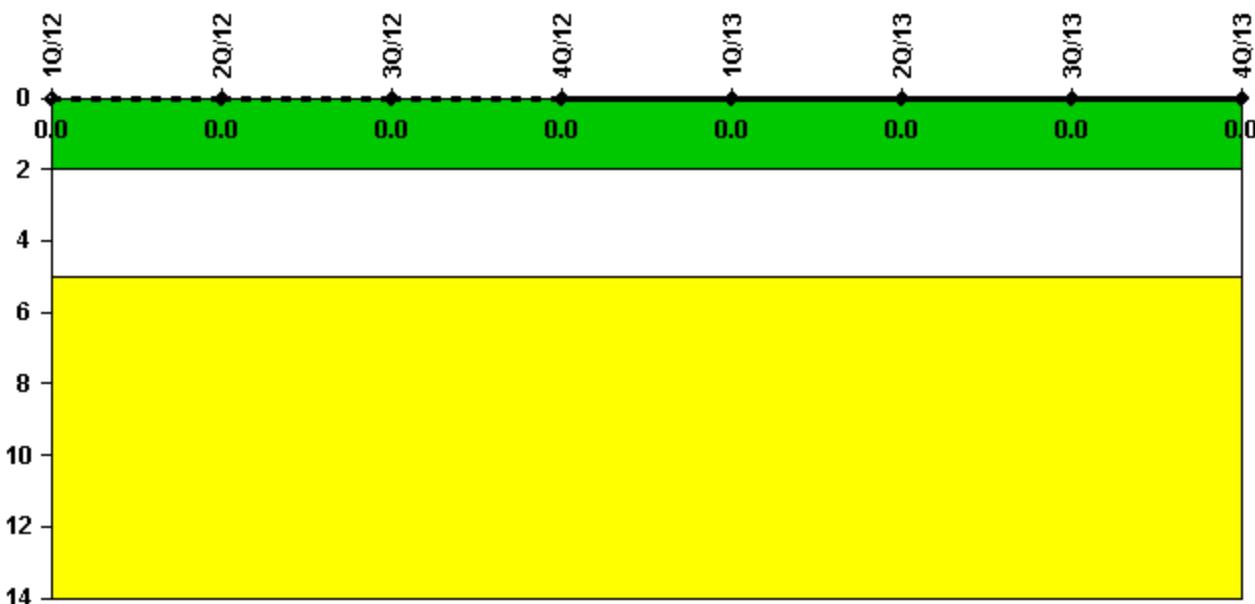
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13
Successful siren-tests	147	147	147	147	147	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.8%	99.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Occupational Exposure Control Effectiveness



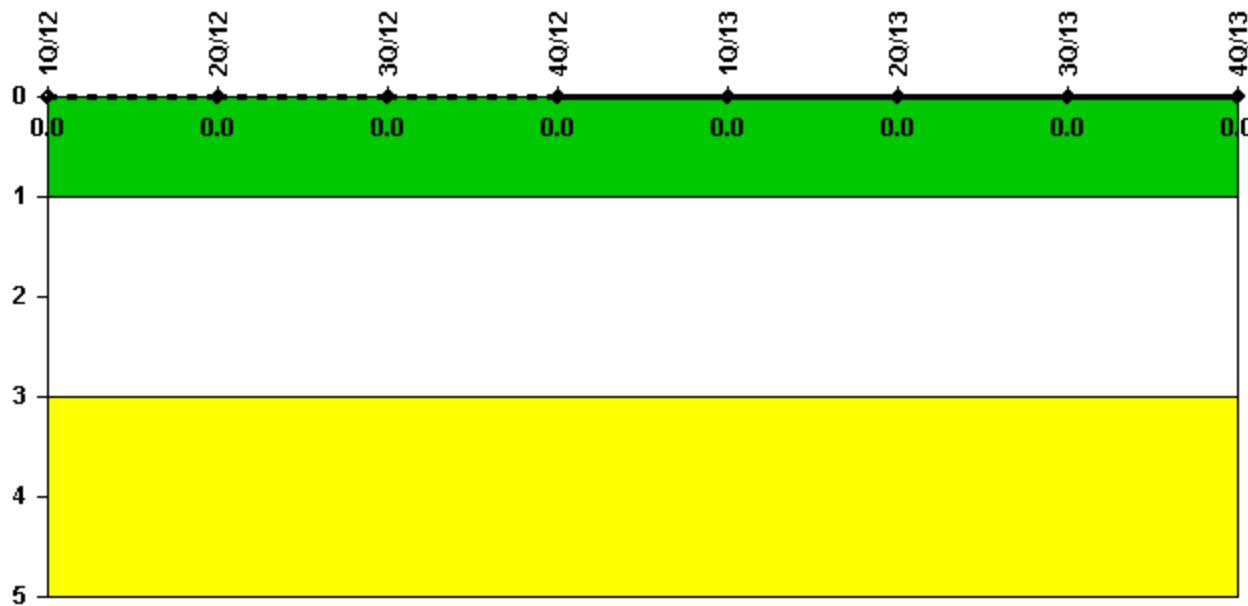
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/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

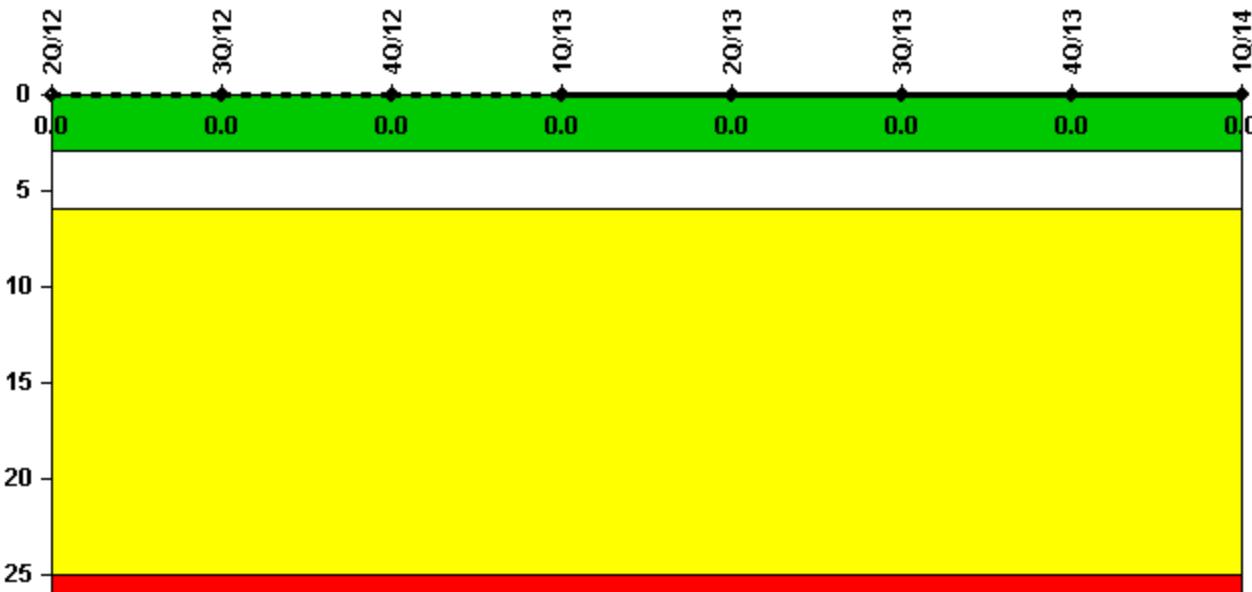
Arkansas Nuclear 1

1Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



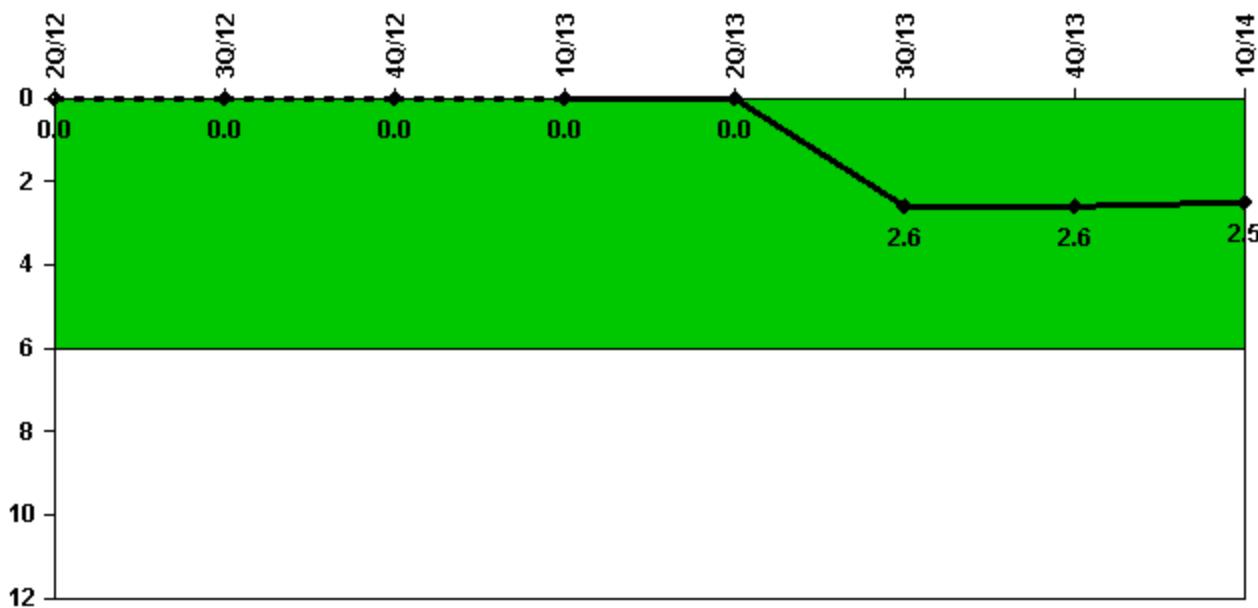
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	2209.0	1975.0	0	1288.6	2209.0	2159.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



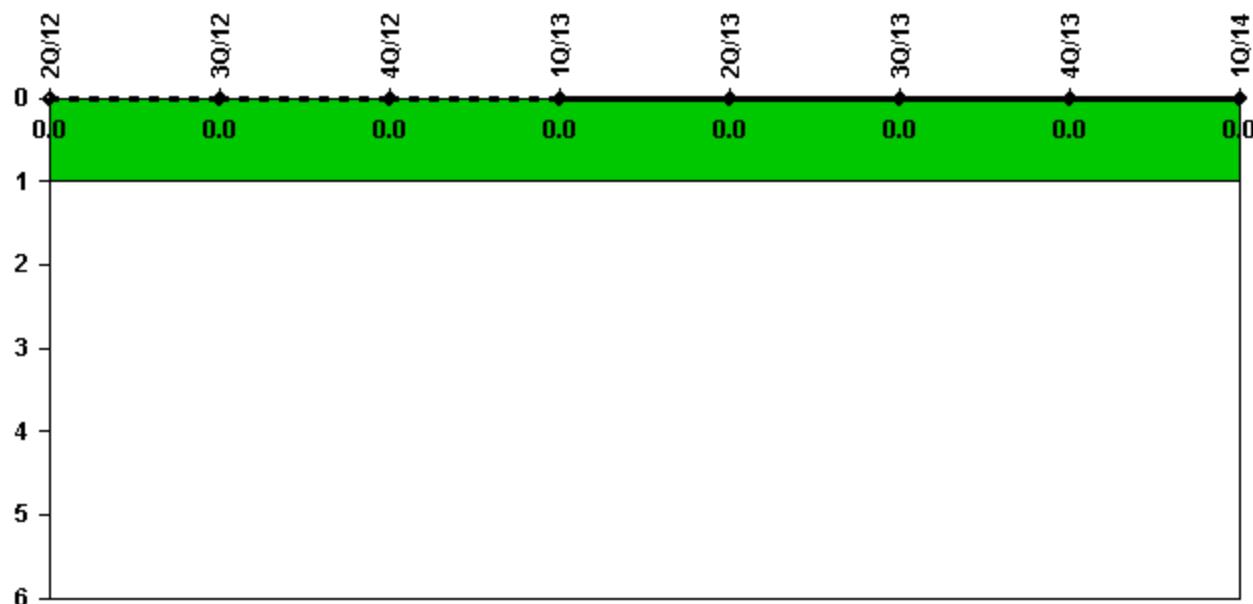
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned power changes	0	0	0	0	0	2.0	0	0
Critical hours	2184.0	2208.0	2209.0	1975.0	0	1288.6	2209.0	2159.0
Indicator value	0	0	0	0	0	2.6	2.6	2.5

Licensee Comments: none

Unplanned Scrams with Complications



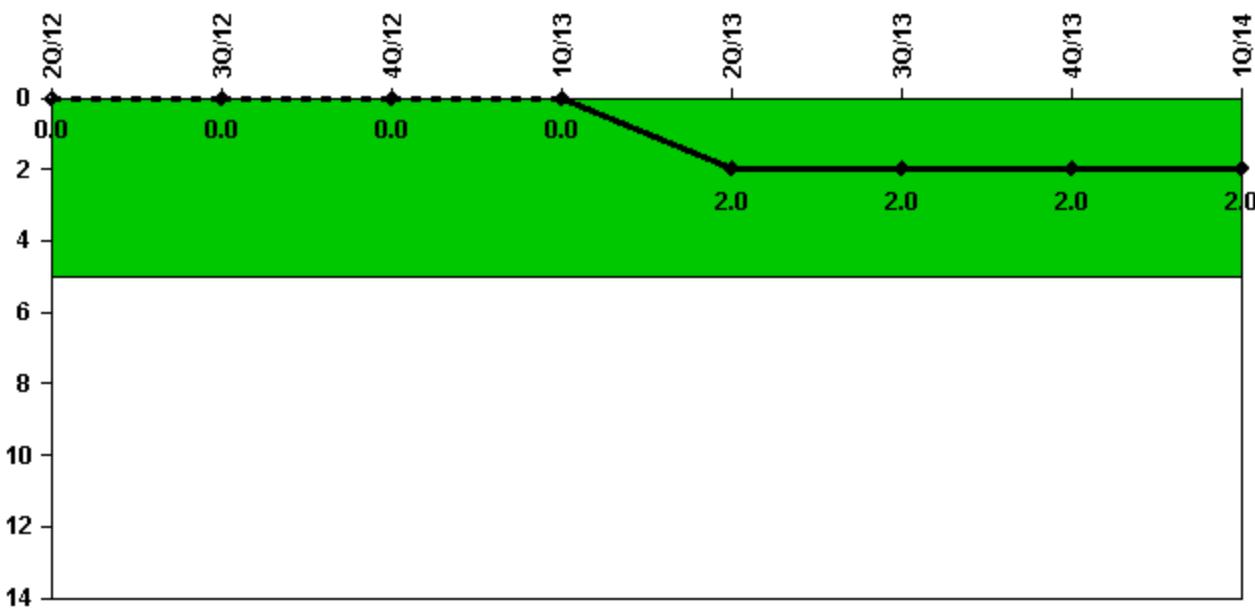
Thresholds: White > 1.0

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

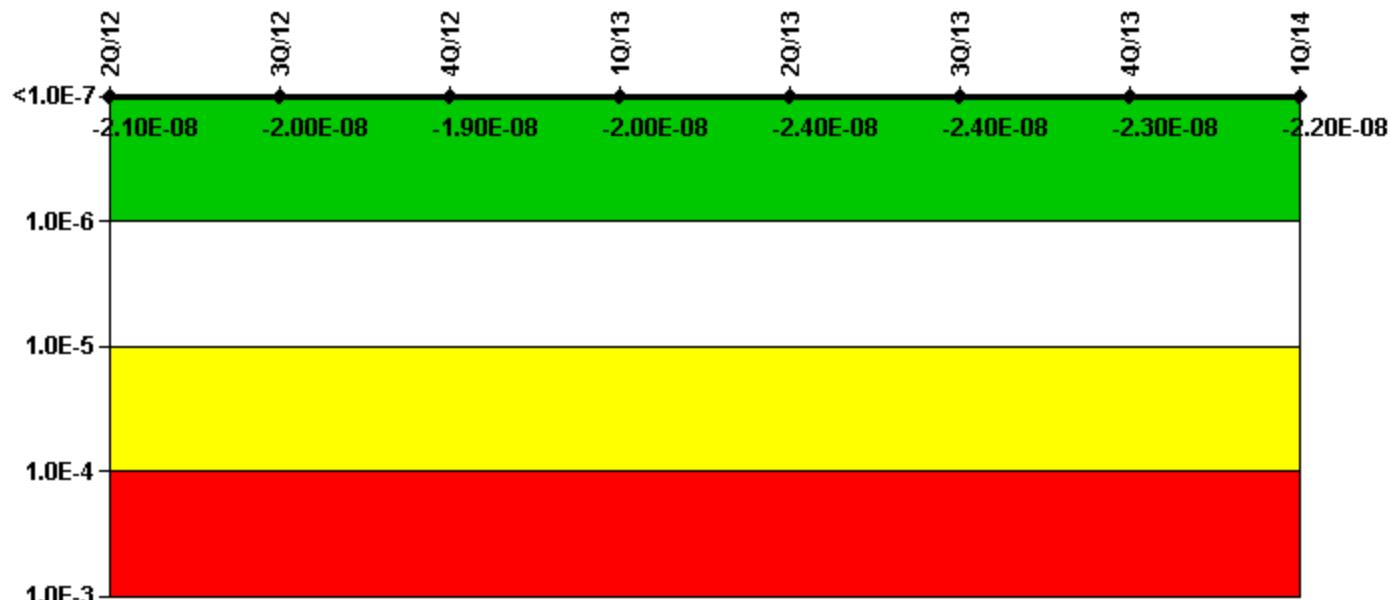
Notes

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	2	0	0	0
Indicator value	0	0	0	0	2	2	2	2

Licensee Comments:

2Q/13: April 2013 - Licensee Event Report 50-368/2013-002-00: Emergency Control Room Chiller Inoperability.
 May 2013 - Licensee Event Report 50-313/2013-001-00: ANO-1 Main Generator Stator Temporary Lift Assembly Failure

Mitigating Systems Performance Index, Emergency AC Power System



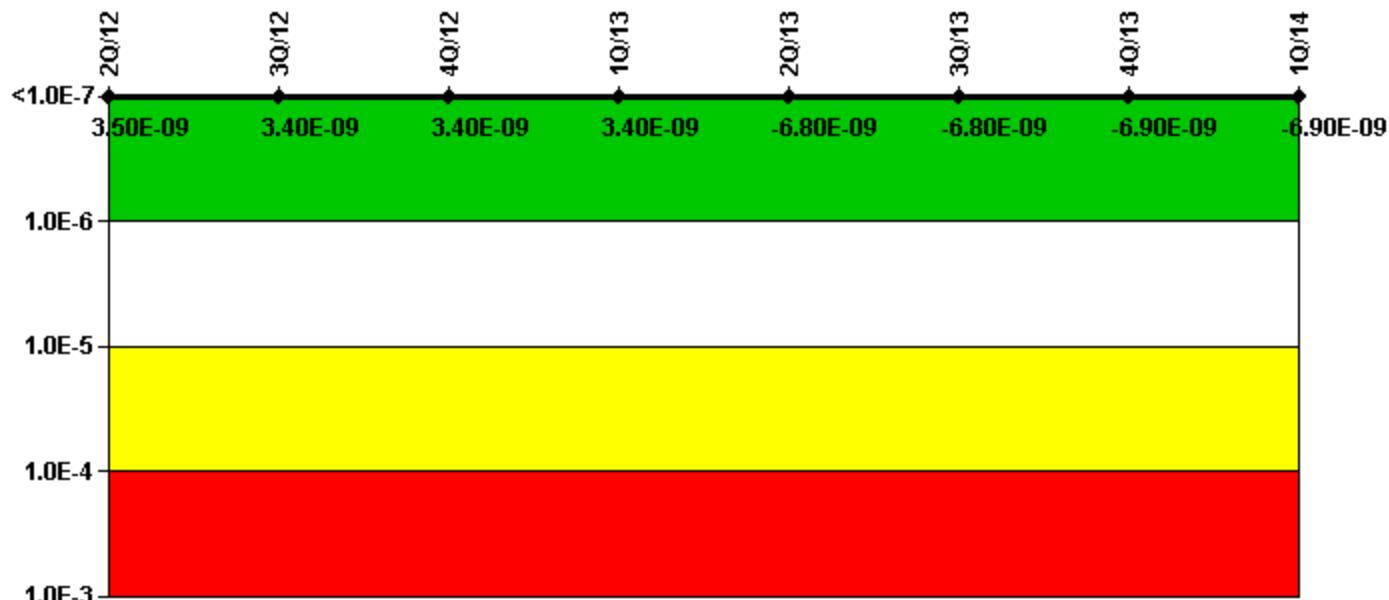
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (Δ CDF)	-2.38E-09	-2.38E-09	-2.38E-09	-2.38E-09	-2.42E-09	-2.20E-09	-1.98E-09	-6.29E-10
URI (Δ CDF)	-1.88E-08	-1.81E-08	-1.71E-08	-1.77E-08	-2.17E-08	-2.18E-08	-2.14E-08	-2.16E-08
PLE	NO							
Indicator value	-2.10E-08	-2.00E-08	-1.90E-08	-2.00E-08	-2.40E-08	-2.40E-08	-2.30E-08	-2.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (Δ CDF)	-3.28E-14	-3.28E-14	-3.28E-14	-8.92E-12	-7.71E-12	-4.32E-12	-8.30E-12	-8.30E-12
URI (Δ CDF)	3.48E-09	3.40E-09	3.43E-09	3.38E-09	-6.78E-09	-6.82E-09	-6.90E-09	-6.93E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.50E-09	3.40E-09	3.40E-09	3.40E-09	-6.80E-09	-6.80E-09	-6.90E-09	-6.90E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



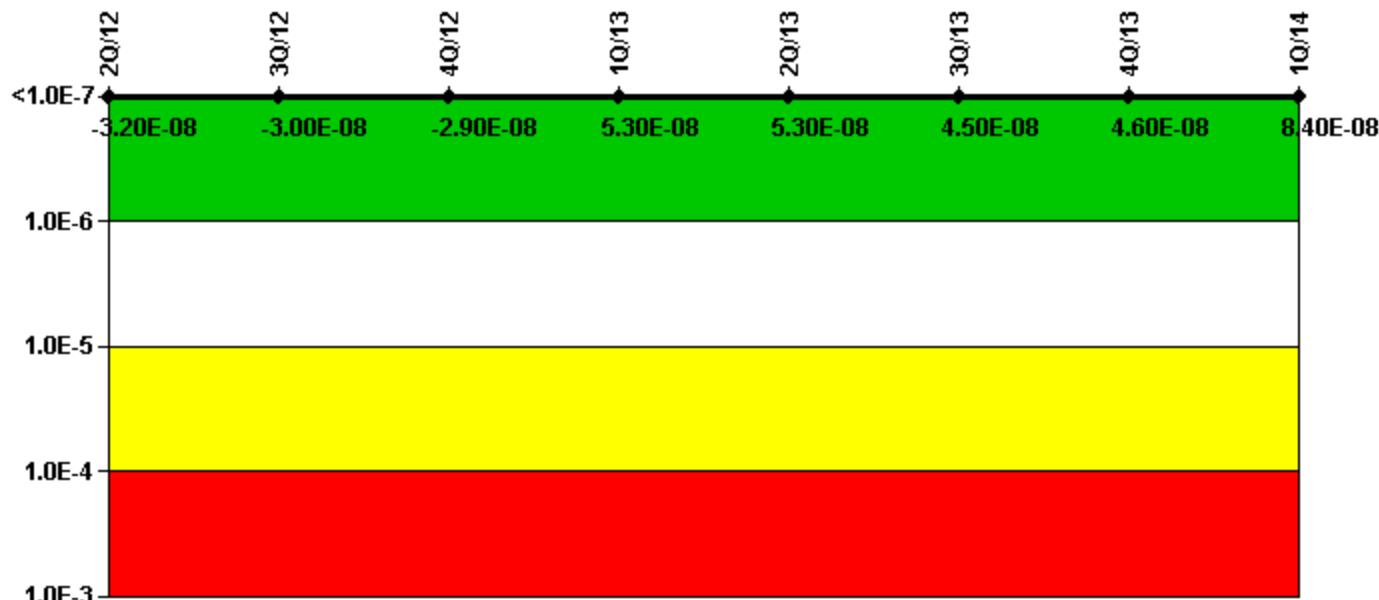
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (Δ CDF)	2.89E-09	2.23E-09	1.01E-08	8.43E-09	7.53E-09	3.87E-09	1.29E-09	4.28E-10
URI (Δ CDF)	-2.73E-08	-2.73E-08	-2.73E-08	-2.72E-08	-2.58E-08	-2.35E-08	-2.28E-08	-2.17E-08
PLE	NO							
Indicator value	-2.40E-08	-2.50E-08	-1.70E-08	-1.90E-08	-1.80E-08	-2.00E-08	-2.10E-08	-2.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



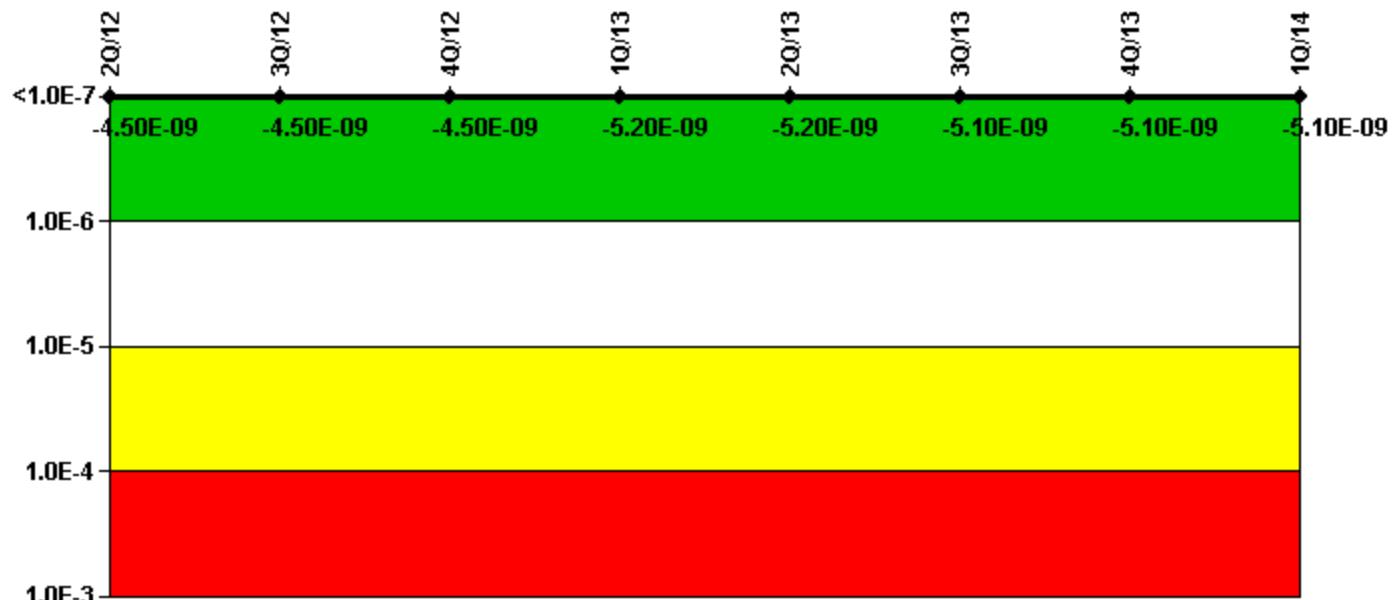
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (Δ CDF)	6.66E-09	1.03E-08	1.29E-08	2.35E-09	5.45E-09	8.16E-09	8.16E-09	4.62E-08
URI (Δ CDF)	-3.88E-08	-3.98E-08	-4.15E-08	5.03E-08	4.75E-08	3.73E-08	3.76E-08	3.76E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.20E-08	-3.00E-08	-2.90E-08	5.30E-08	5.30E-08	4.50E-08	4.60E-08	8.40E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



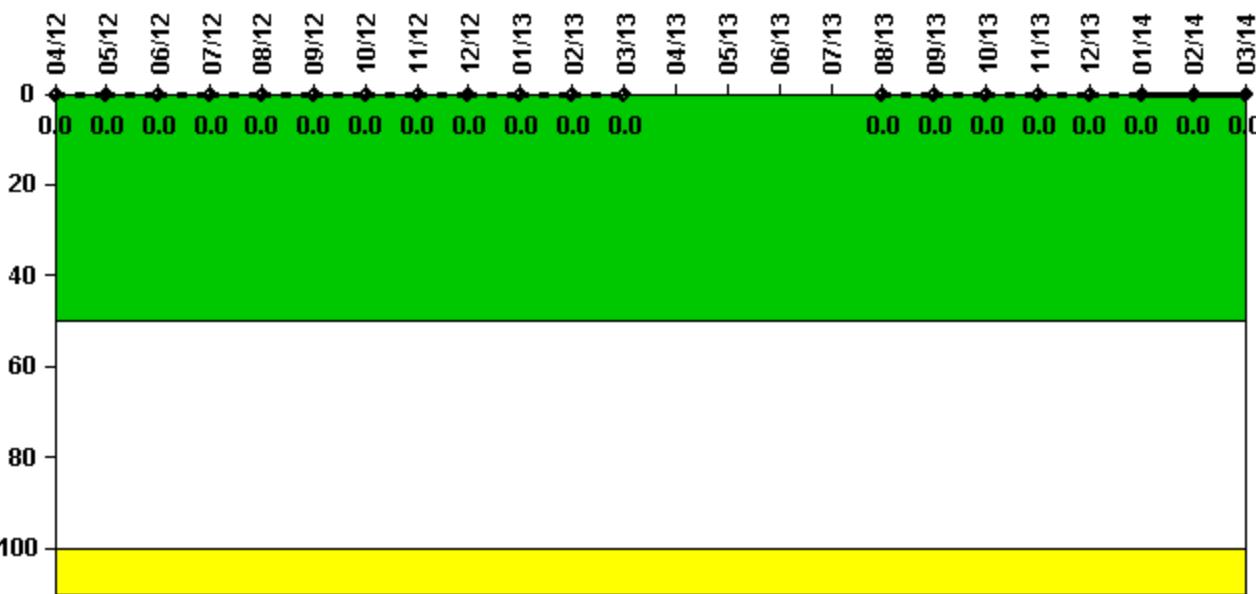
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
UAI (Δ CDF)	-2.75E-09	-2.75E-09	-2.75E-09	-3.49E-09	-3.49E-09	-3.39E-09	-3.39E-09	-3.39E-09
URI (Δ CDF)	-1.70E-09	-1.71E-09	-1.72E-09	-1.71E-09	-1.72E-09	-1.70E-09	-1.71E-09	-1.71E-09
PLE	NO							
Indicator value	-4.50E-09	-4.50E-09	-4.50E-09	-5.20E-09	-5.20E-09	-5.10E-09	-5.10E-09	-5.10E-09

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

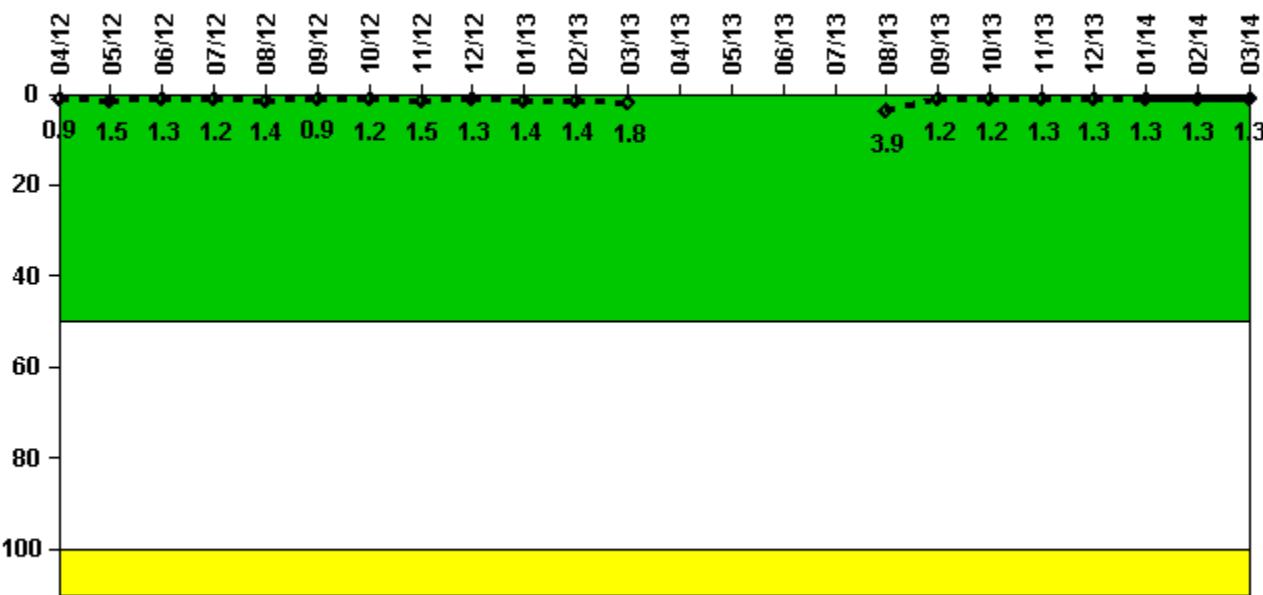
Reactor Coolant System Activity	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13
Maximum activity	0.000112	0.000109	0.000120	0.000114	0.000119	0.000125	0.000220	0.000135	0.000204	0.000139	0.000142	0.000379
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	0	0	0	0	0	0	0	0	0
Reactor Coolant System Activity	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum activity	N/A	N/A	N/A	N/A	0.000066	0.000066	0.000066	0.000076	0.000089	0.000082	0.000084	0.000161
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	N/A	N/A	N/A	N/A	0	0	0	0	0	0	0	0

Licensee Comments:

9/13: ANO-1 was off line the entire month of July.

6/13: ANO-1 was off line for the entire second quarter 2013.

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	0.094	0.149	0.129	0.124	0.136	0.088	0.124	0.145	0.128	0.139	0.141	0.181
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	1.5	1.3	1.2	1.4	0.9	1.2	1.5	1.3	1.4	1.4	1.8
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	N/A	N/A	N/A	N/A	0.389	0.123	0.115	0.128	0.132	0.128	0.128	0.127
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	N/A	N/A	N/A	3.9	1.2	1.2	1.3	1.3	1.3	1.3	1.3

Licensee Comments:

12/13: Total Leakage is being reported in lieu of Identified Leakage.

9/13: Total Leakage is being reported in lieu of Identified Leakage. ANO-1 was off line the entire month of July.

6/13: ANO-1 was off line for the entire second quarter 2013.

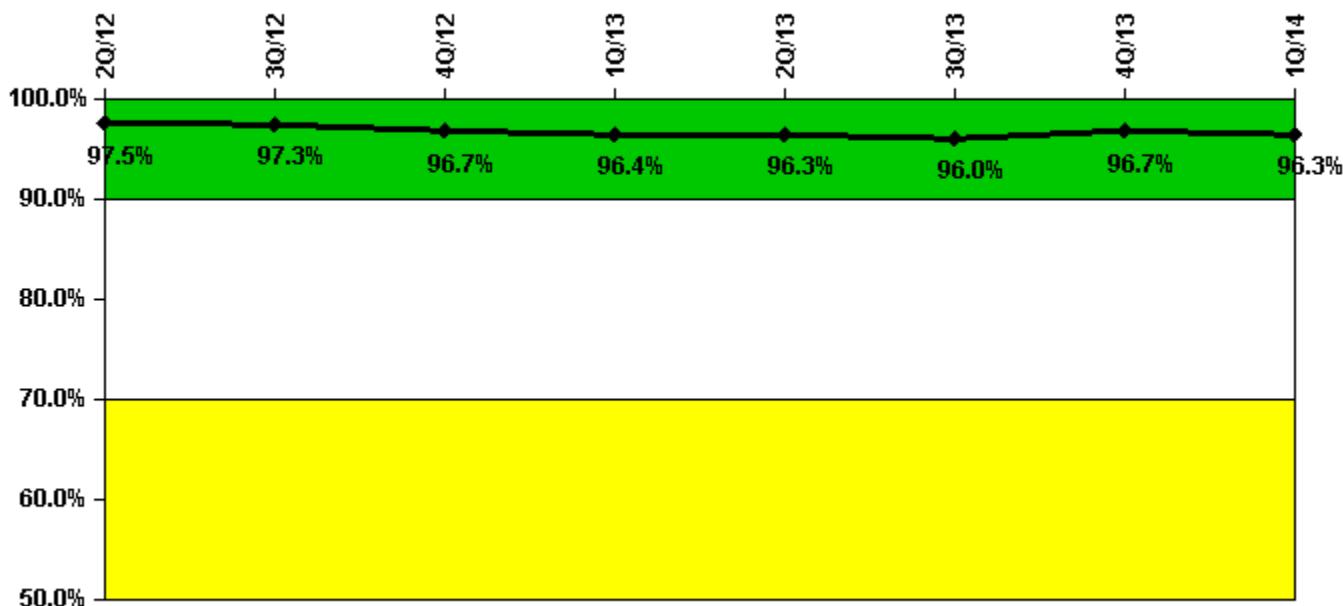
3/13: Total Leakage is being reported in lieu of Identified Leakage

12/12: Total Leakage is being reported in lieu of Identified Leakage.

9/12: Total Leakage is being reported in lieu of Identified Leakage.

6/12: Total Leakage is being reported in lieu of Identified Leakage

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	48.0	16.0	13.0	26.0	8.0	51.0	50.0	51.0
Total opportunities	50.0	16.0	15.0	27.0	8.0	53.0	51.0	53.0
Indicator value	97.5%	97.3%	96.7%	96.4%	96.3%	96.0%	96.7%	96.3%

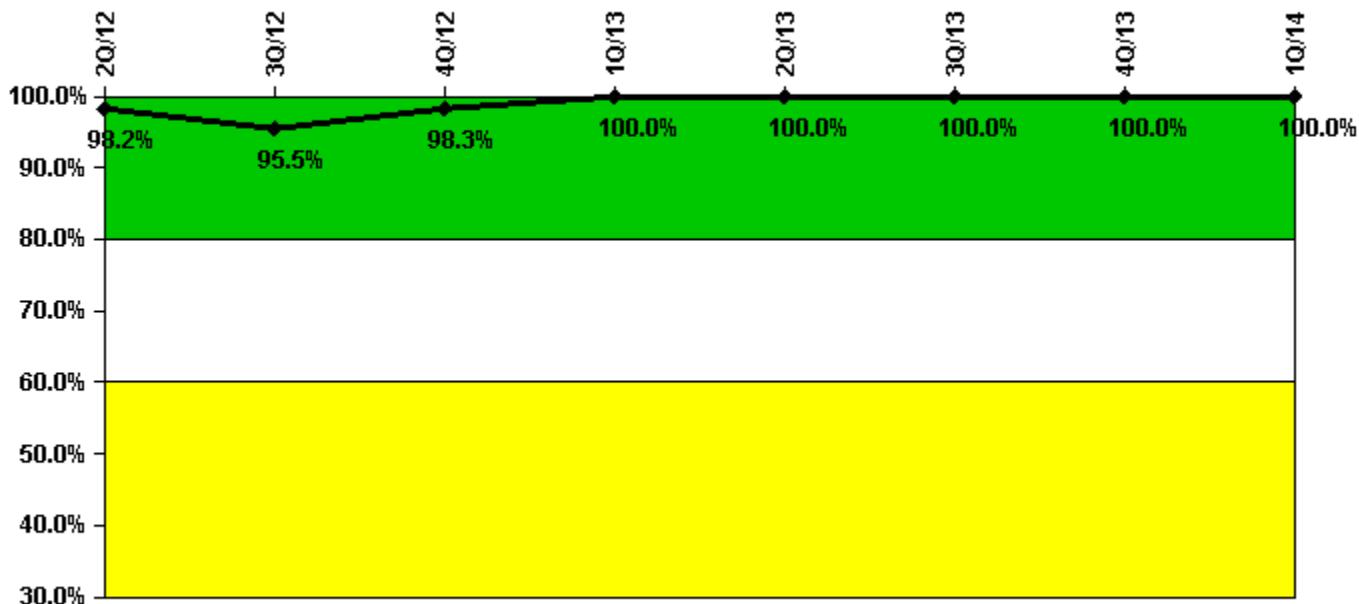
Licensee Comments:

4Q/13: Change to correct counting of the number of drills performed in the 4th qtr.

3Q/13: Change to correct counting of the number of drills performed in the 3rd qtr.

3Q/13: In January of 2014, five drills that were not previously counted were added to the 3rd Quarter 2013 Emergency Preparedness data.

ERO Drill Participation



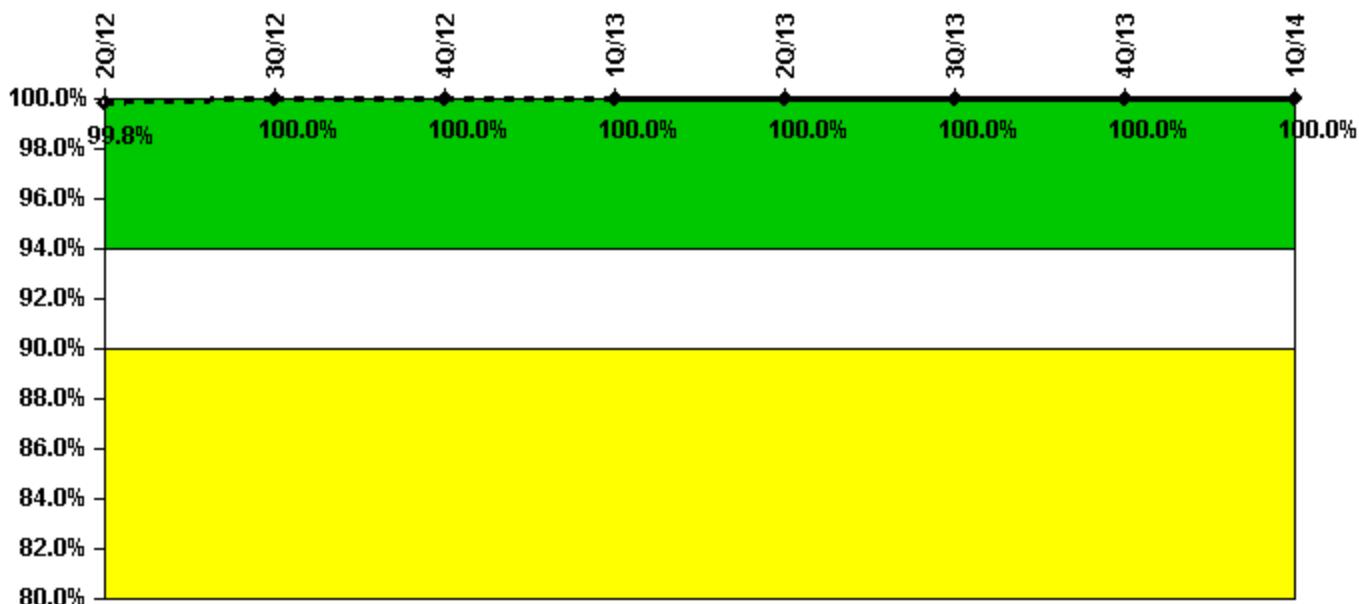
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Participating Key personnel	112.0	106.0	115.0	84.0	81.0	98.0	99.0	103.0
Total Key personnel	114.0	111.0	117.0	84.0	81.0	98.0	99.0	103.0
Indicator value	98.2%	95.5%	98.3%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



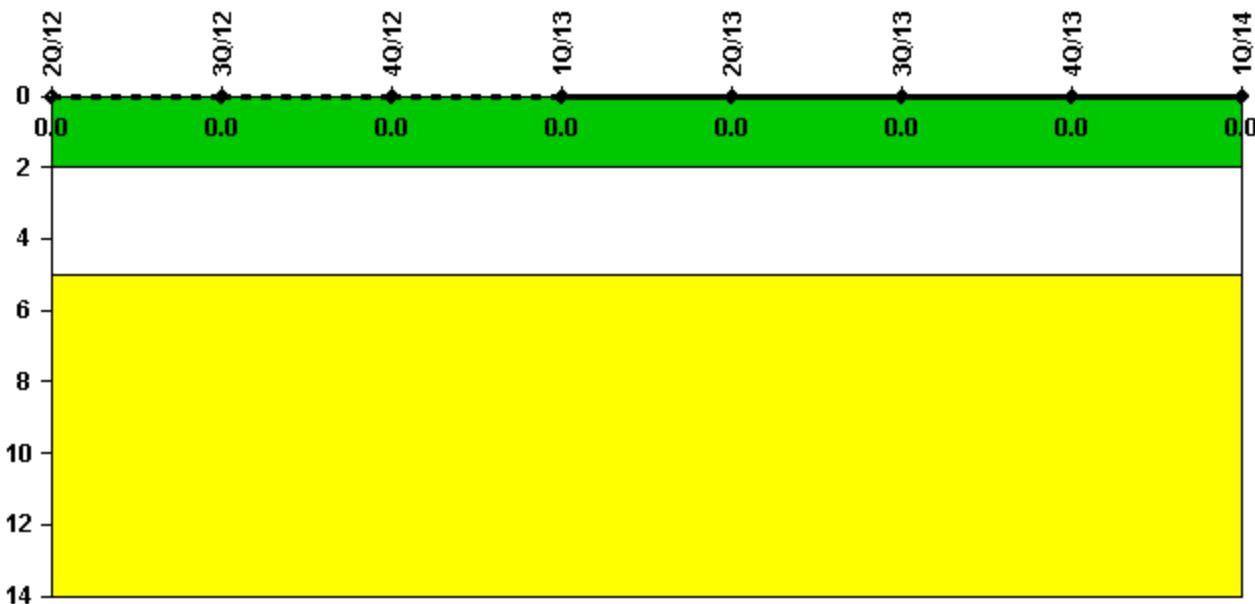
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Successful siren-tests	147	147	147	147	147	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.8%	100.0%						

Licensee Comments: none

Occupational Exposure Control Effectiveness



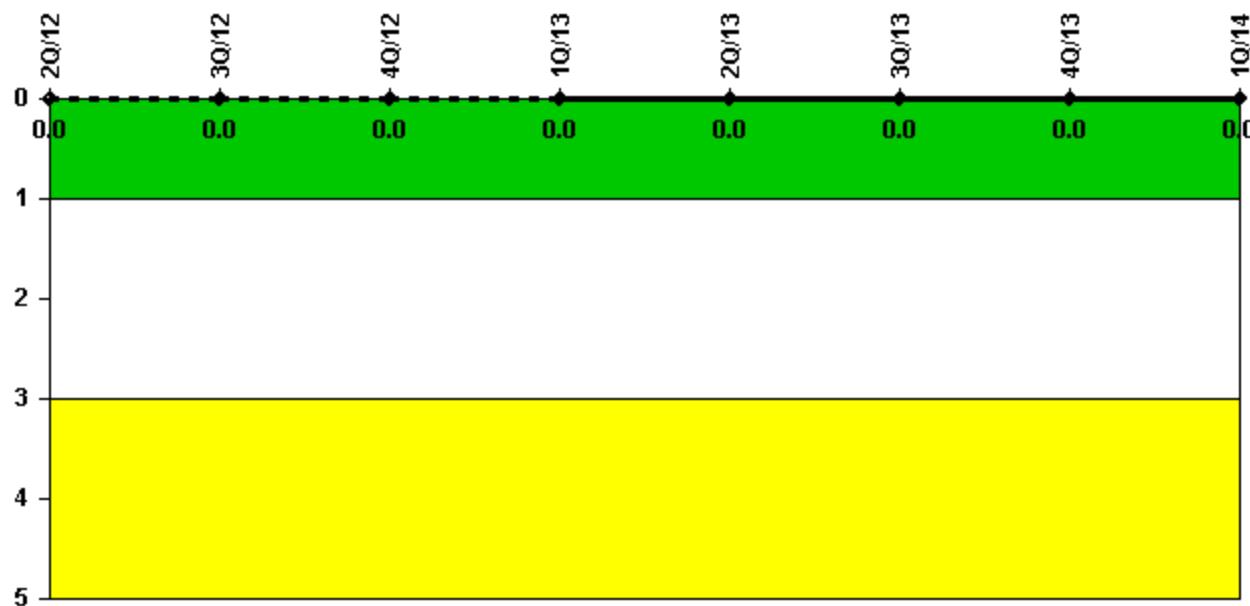
Thresholds: White > 2.0 Yellow > 5.0

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](#)

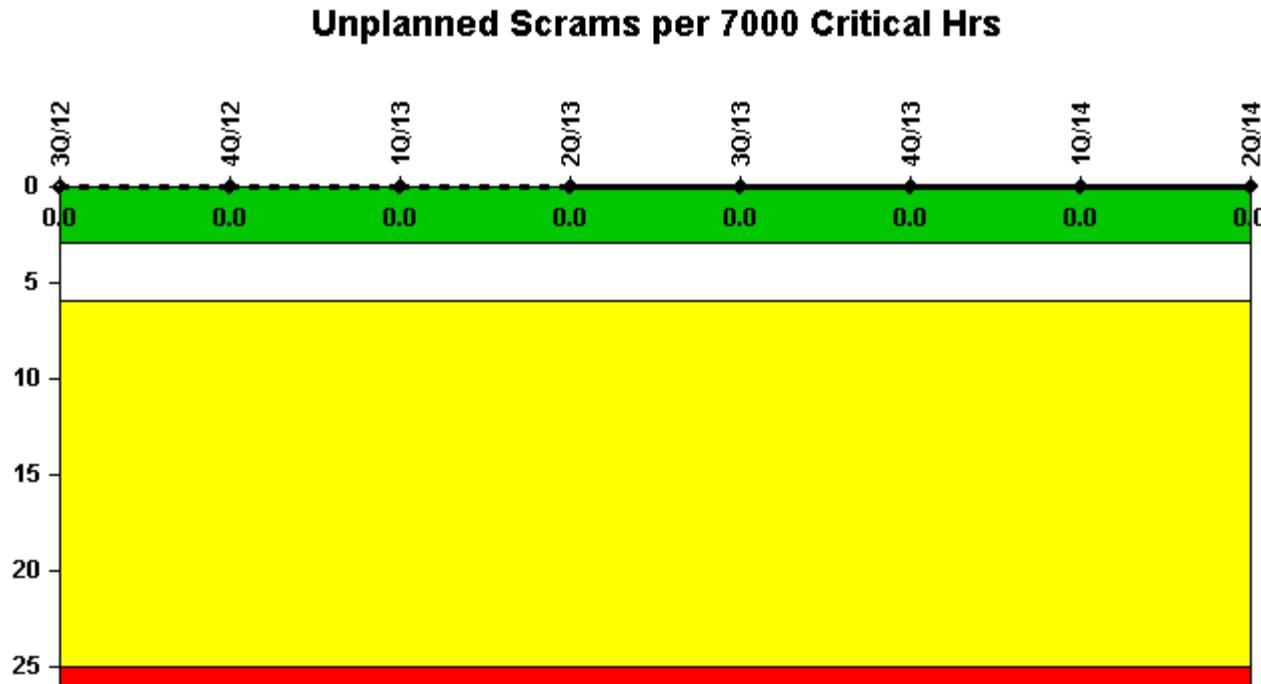
Last Modified: April 23, 2014

Arkansas Nuclear 1

2Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none



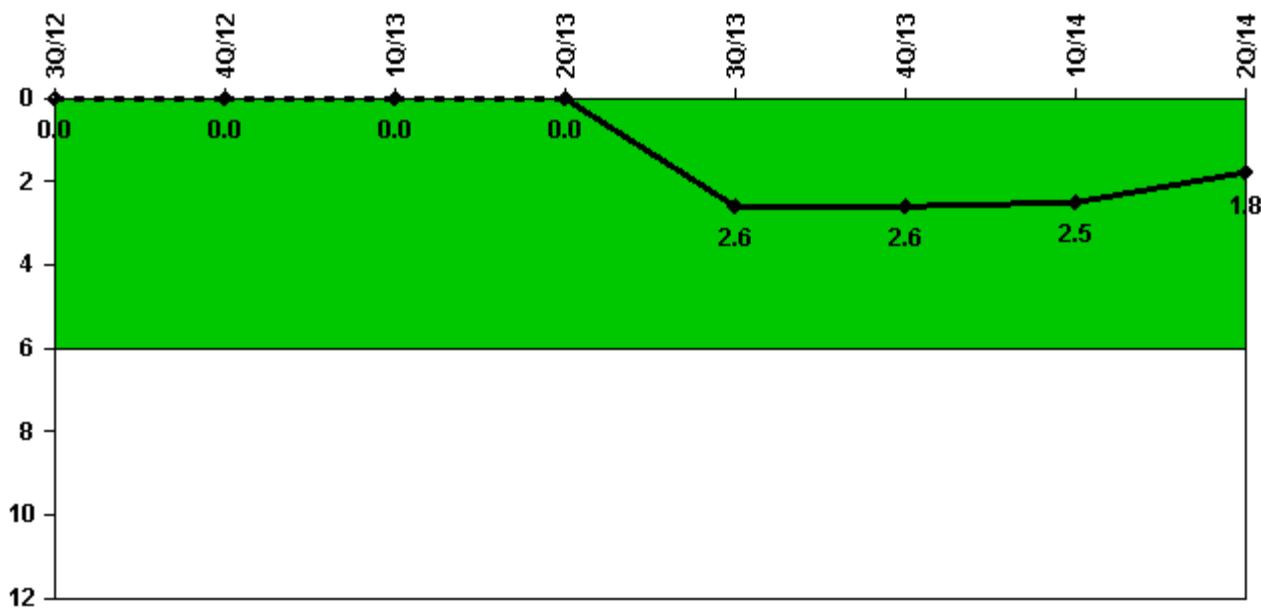
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	1975.0	0	1288.6	2209.0	2159.0	2184.0
Indicator value	0							

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



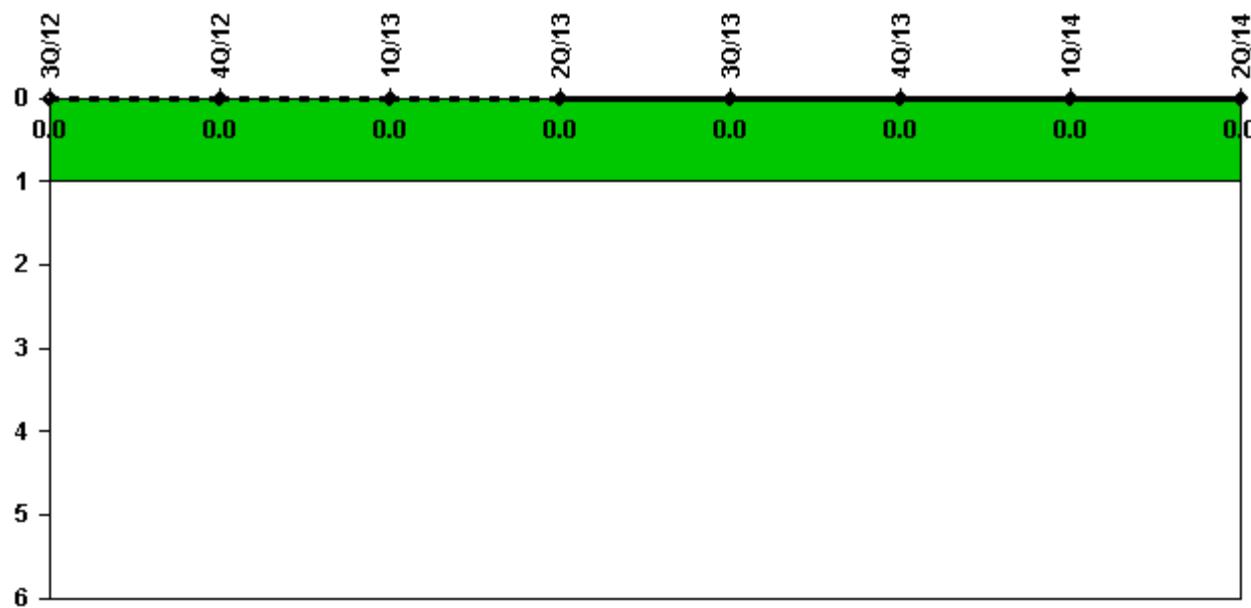
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Unplanned power changes	0	0	0	0	2.0	0	0	0
Critical hours	2208.0	2209.0	1975.0	0	1288.6	2209.0	2159.0	2184.0
Indicator value	0	0	0	0	2.6	2.6	2.5	1.8

Licensee Comments: none

Unplanned Scrams with Complications



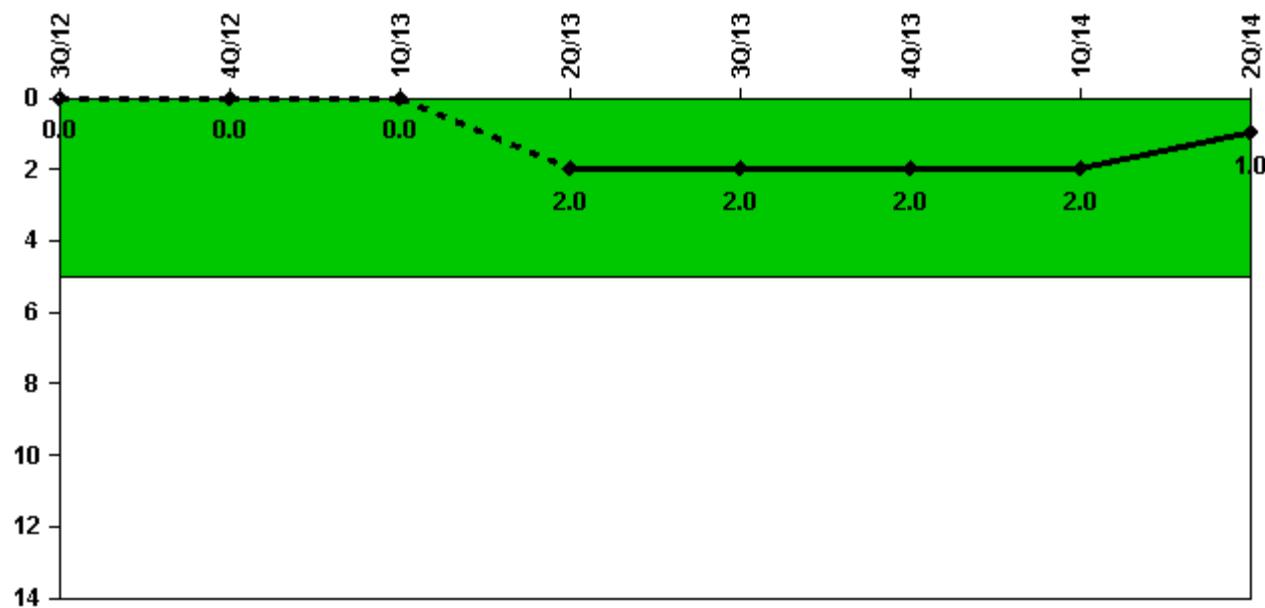
Thresholds: White > 1.0

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

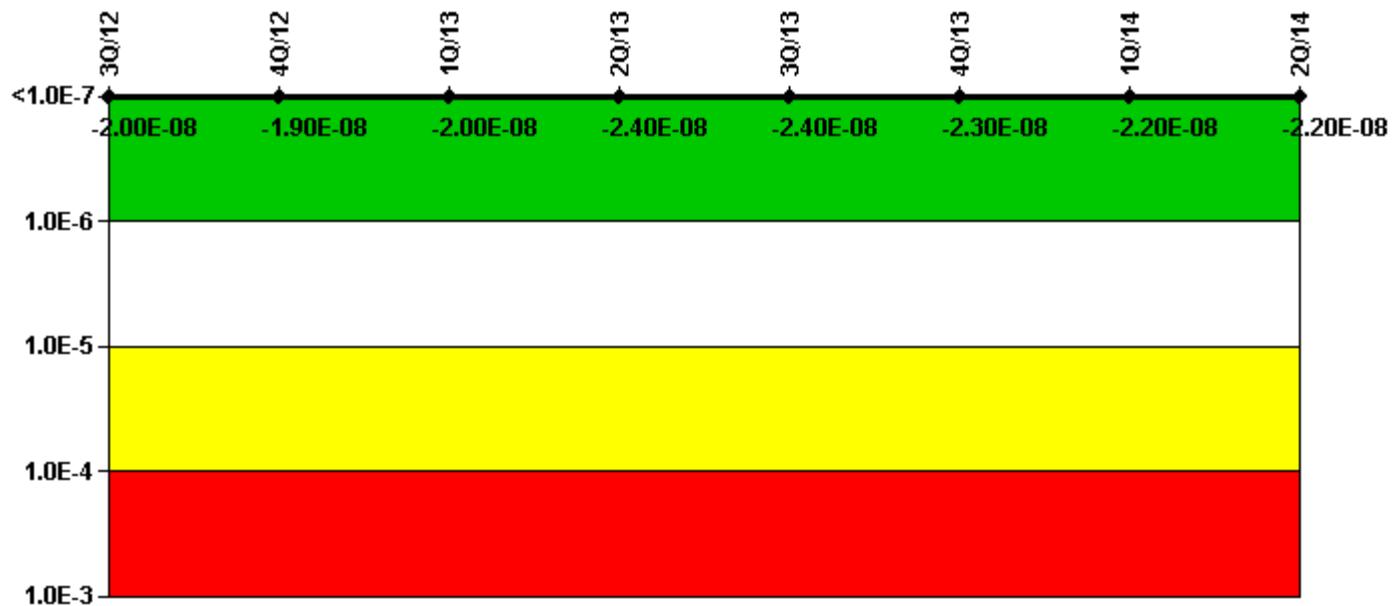
Notes

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

Licensee Comments:

2Q/13: April 2013 - Licensee Event Report 50-368/2013-002-00: Emergency Control Room Chiller Inoperability.
 May 2013 - Licensee Event Report 50-313/2013-001-00: ANO-1 Main Generator Stator Temporary Lift Assembly Failure

Mitigating Systems Performance Index, Emergency AC Power System



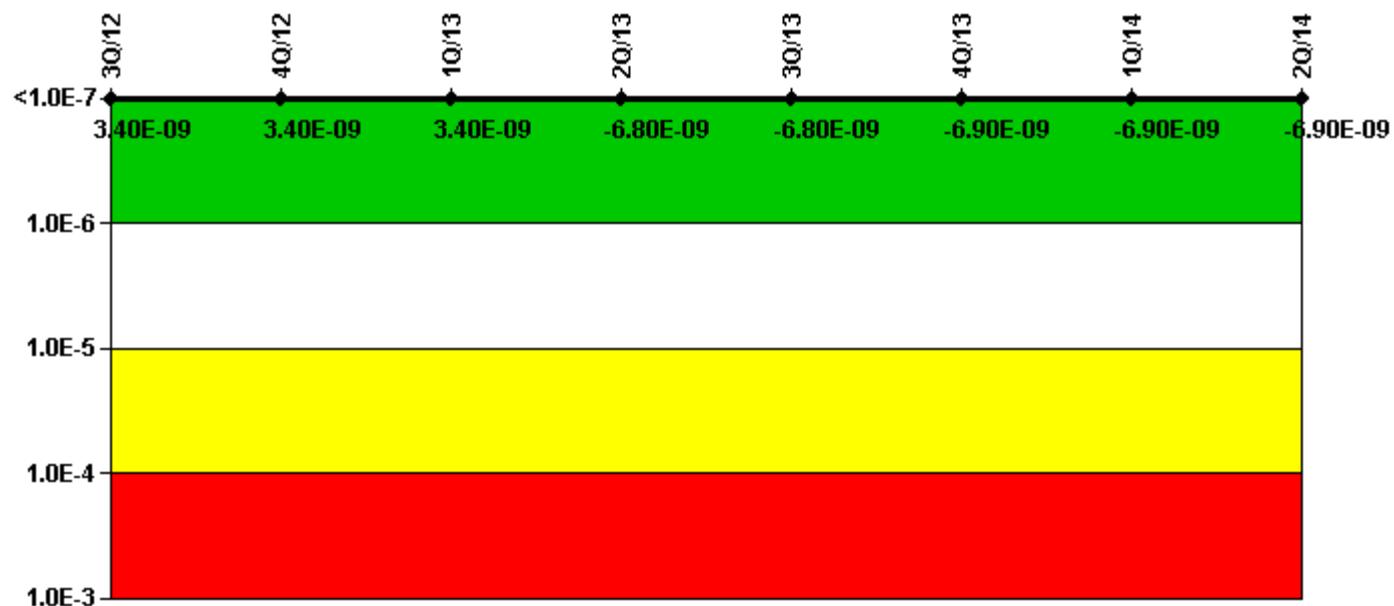
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	-2.38E-09	-2.38E-09	-2.38E-09	-2.42E-09	-2.20E-09	-1.98E-09	-6.29E-10	-6.26E-10
URI (Δ CDF)	-1.81E-08	-1.71E-08	-1.77E-08	-2.17E-08	-2.18E-08	-2.14E-08	-2.16E-08	-2.17E-08
PLE	NO							
Indicator value	-2.00E-08	-1.90E-08	-2.00E-08	-2.40E-08	-2.40E-08	-2.30E-08	-2.20E-08	-2.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



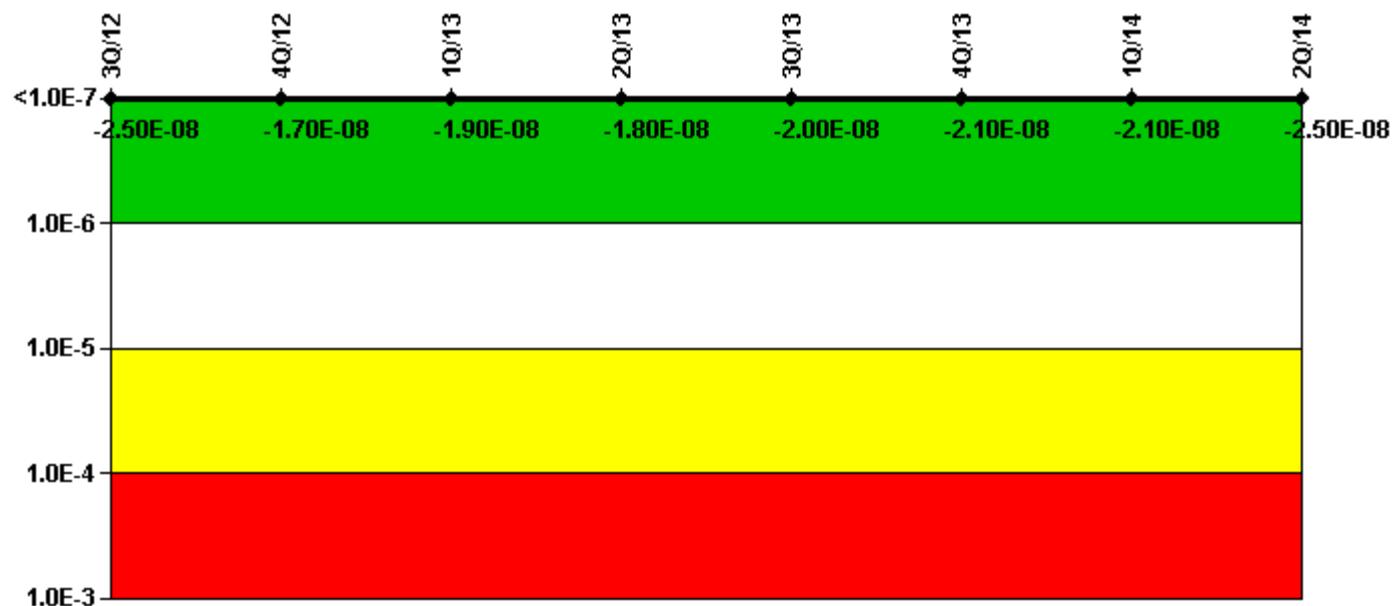
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	-3.28E-14	-3.28E-14	-8.92E-12	-7.71E-12	-4.32E-12	-8.30E-12	-8.30E-12	-8.30E-12
URI (Δ CDF)	3.40E-09	3.43E-09	3.38E-09	-6.78E-09	-6.82E-09	-6.90E-09	-6.93E-09	-6.94E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.40E-09	3.40E-09	3.40E-09	-6.80E-09	-6.80E-09	-6.90E-09	-6.90E-09	-6.90E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



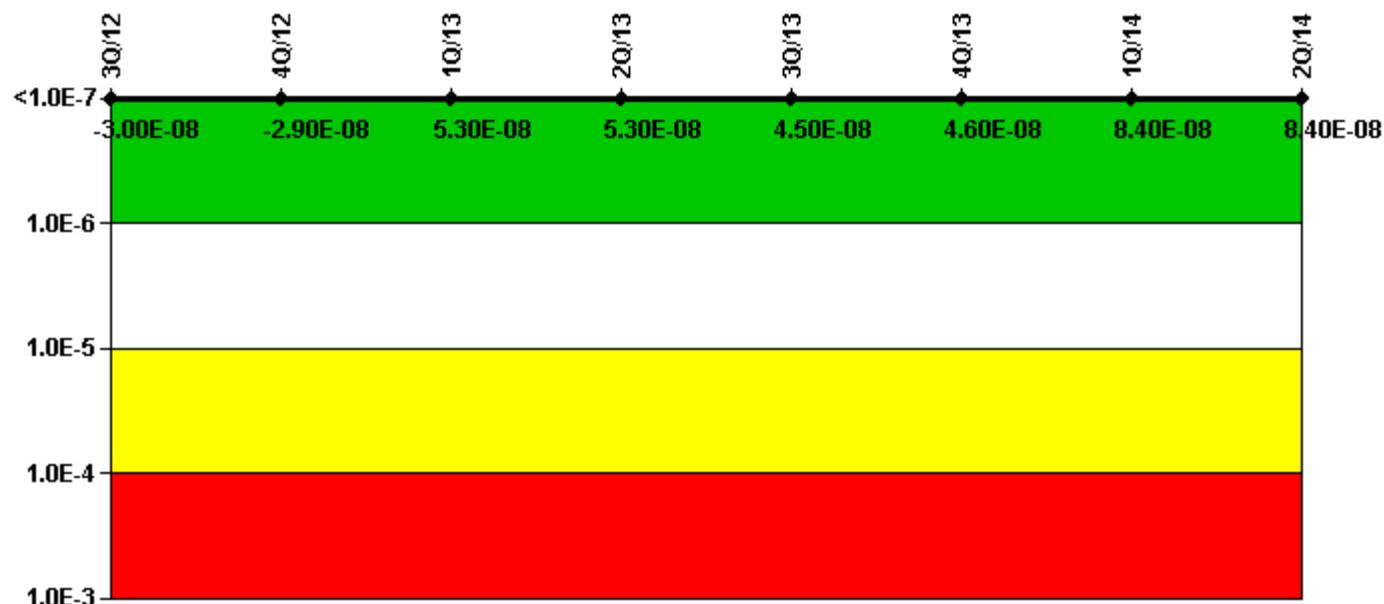
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	2.23E-09	1.01E-08	8.43E-09	7.53E-09	3.87E-09	1.29E-09	4.28E-10	-3.29E-09
URI (Δ CDF)	-2.73E-08	-2.73E-08	-2.72E-08	-2.58E-08	-2.35E-08	-2.28E-08	-2.17E-08	-2.17E-08
PLE	NO							
Indicator value	-2.50E-08	-1.70E-08	-1.90E-08	-1.80E-08	-2.00E-08	-2.10E-08	-2.10E-08	-2.50E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



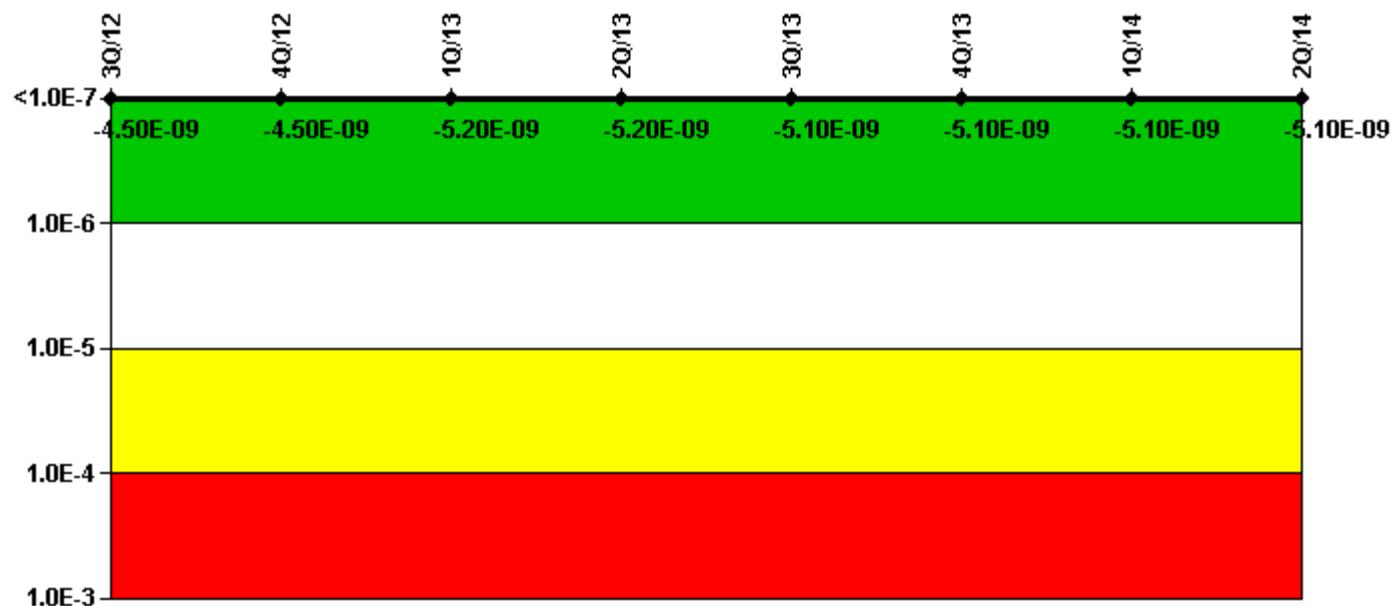
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	$1.03E-08$	$1.29E-08$	$2.35E-09$	$5.45E-09$	$8.16E-09$	$8.16E-09$	$4.62E-08$	$4.66E-08$
URI (Δ CDF)	$-3.98E-08$	$-4.15E-08$	$5.03E-08$	$4.75E-08$	$3.73E-08$	$3.76E-08$	$3.76E-08$	$3.76E-08$
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	$-3.00E-08$	$-2.90E-08$	$5.30E-08$	$5.30E-08$	$4.50E-08$	$4.60E-08$	$8.40E-08$	$8.40E-08$

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



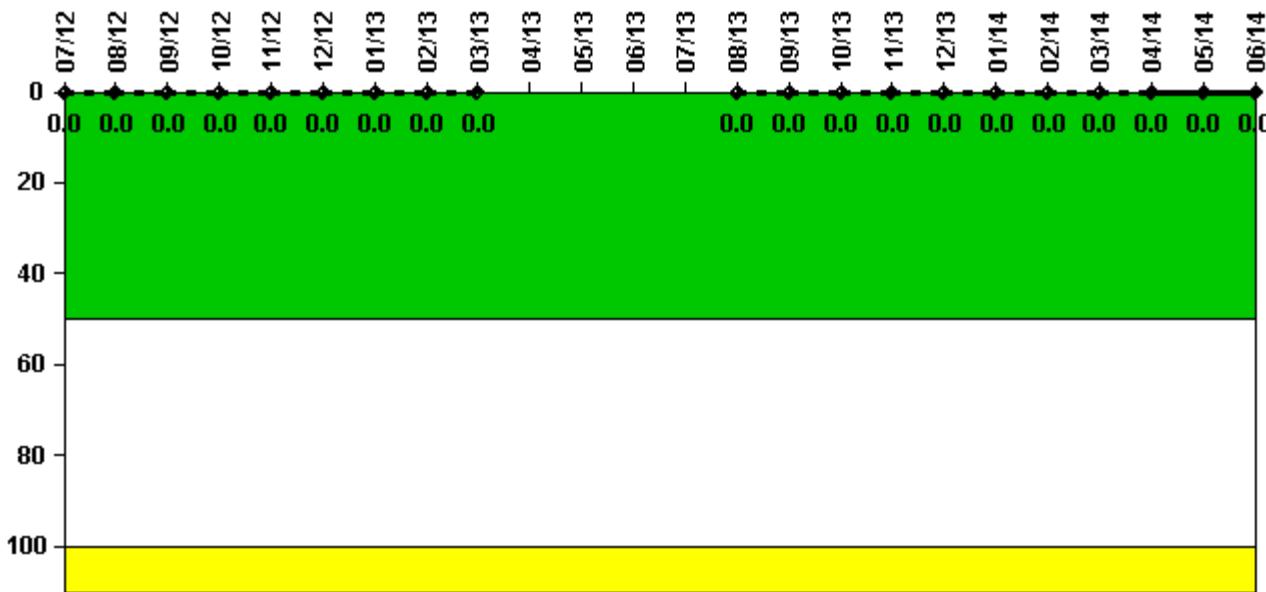
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
UAI (Δ CDF)	-2.75E-09	-2.75E-09	-3.49E-09	-3.49E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09
URI (Δ CDF)	-1.71E-09	-1.72E-09	-1.71E-09	-1.72E-09	-1.70E-09	-1.71E-09	-1.71E-09	-1.71E-09
PLE	NO							
Indicator value	-4.50E-09	-4.50E-09	-5.20E-09	-5.20E-09	-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity		7/12	8/12	9/12	10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13
Maximum activity		0.000114	0.000119	0.000125	0.000220	0.000135	0.000204	0.000139	0.000142	0.000379	N/A	N/A	N/A
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	0	0	N/A	N/A	N/A

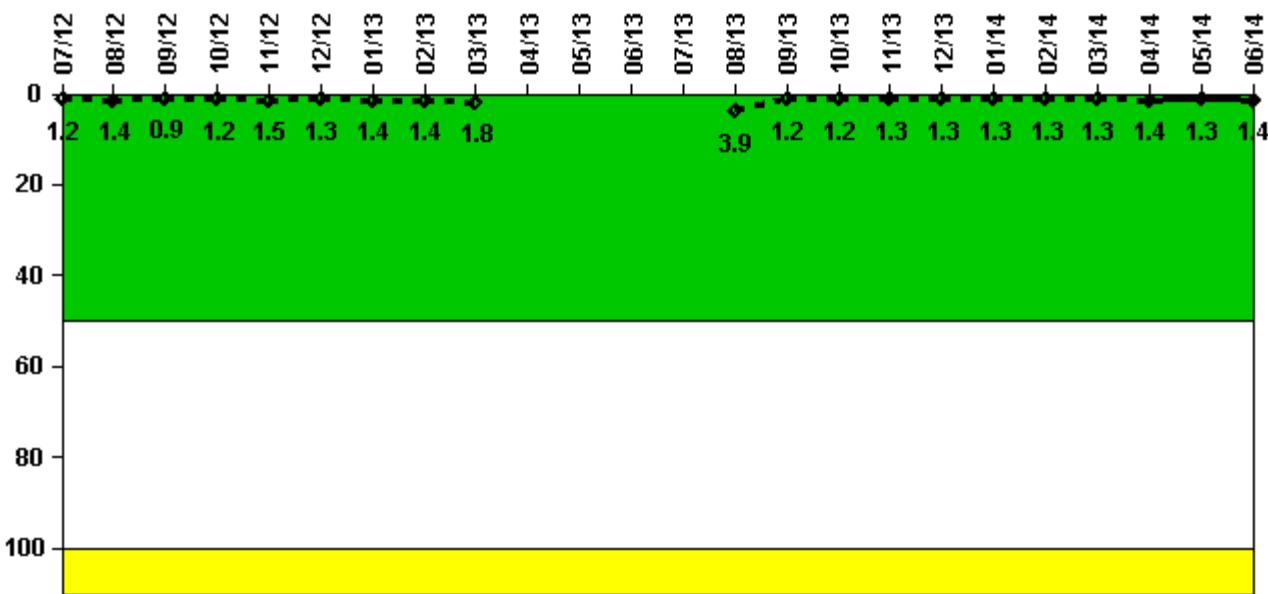
Reactor Coolant System Activity		7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum activity		N/A	0.000066	0.000066	0.000066	0.000076	0.000089	0.000082	0.000084	0.000161	0.000084	0.000063	0.000090
Technical specification limit		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value		N/A	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments:

9/13: ANO-1 was off line the entire month of July.

6/13: ANO-1 was off line for the entire second quarter 2013.

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	0.124	0.136	0.088	0.124	0.145	0.128	0.139	0.141	0.181	N/A	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	1.2	1.4	0.9	1.2	1.5	1.3	1.4	1.4	1.8	N/A	N/A	N/A

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	N/A	0.389	0.123	0.115	0.128	0.132	0.128	0.128	0.127	0.137	0.125	0.138
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	3.9	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.4	1.3	1.4

Licensee Comments:

12/13: Total Leakage is being reported in lieu of Identified Leakage.

9/13: Total Leakage is being reported in lieu of Identified Leakage. ANO-1 was off line the entire month of July.

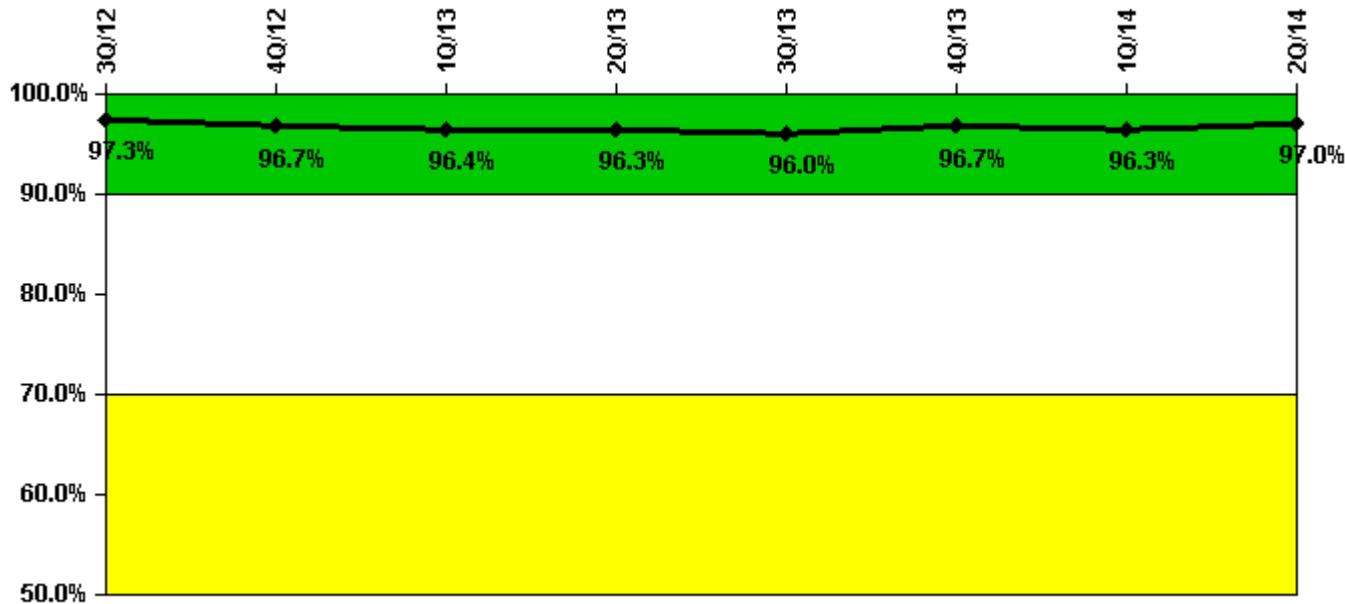
6/13: ANO-1 was off line for the entire second quarter 2013.

3/13: Total Leakage is being reported in lieu of Identified Leakage

12/12: Total Leakage is being reported in lieu of Identified Leakage.

9/12: Total Leakage is being reported in lieu of Identified Leakage.

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	16.0	13.0	26.0	8.0	51.0	50.0	51.0	44.0
Total opportunities	16.0	15.0	27.0	8.0	53.0	51.0	53.0	44.0
Indicator value	97.3%	96.7%	96.4%	96.3%	96.0%	96.7%	96.3%	97.0%

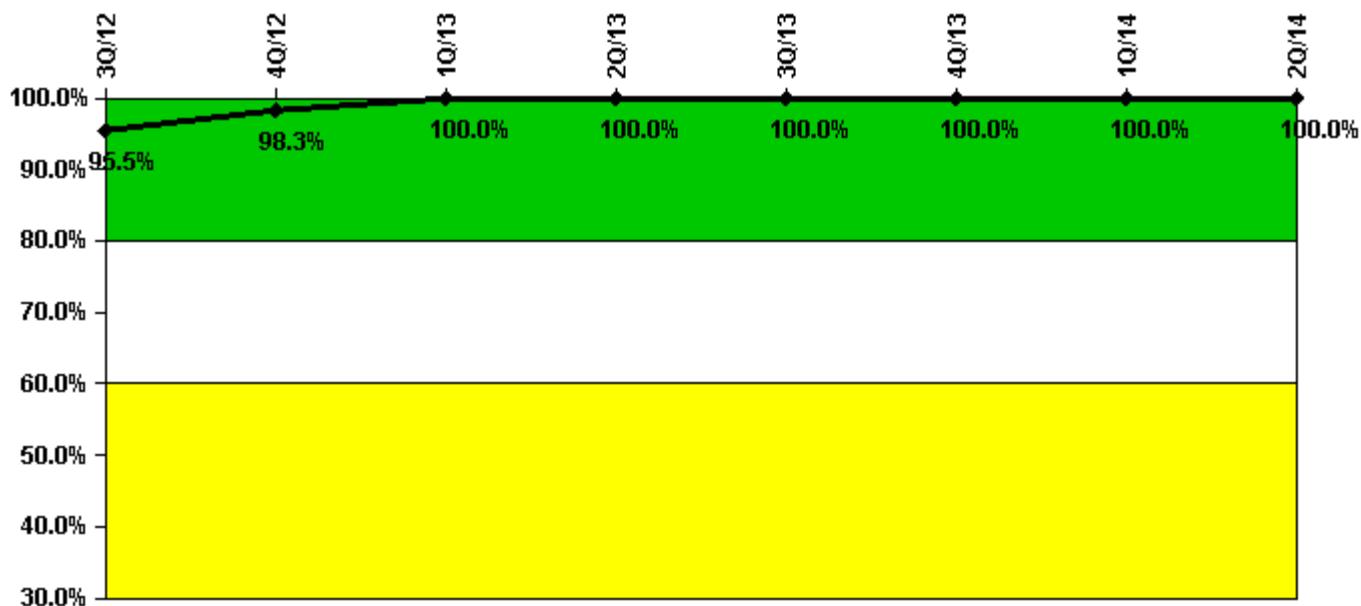
Licensee Comments:

4Q/13: Change to correct counting of the number of drills performed in the 4th qtr.

3Q/13: Change to correct counting of the number of drills performed in the 3rd qtr.

3Q/13: In January of 2014, five drills that were not previously counted were added to the 3rd Quarter 2013 Emergency Preparedness data.

ERO Drill Participation



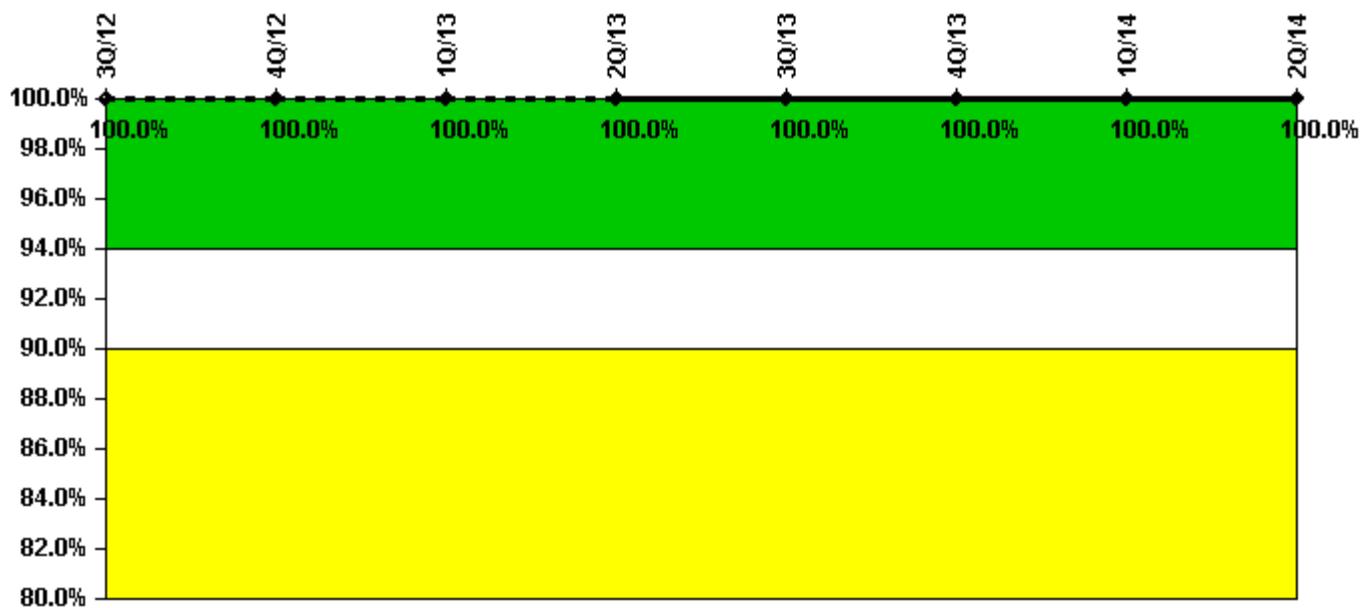
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Participating Key personnel	106.0	115.0	84.0	81.0	98.0	99.0	103.0	118.0
Total Key personnel	111.0	117.0	84.0	81.0	98.0	99.0	103.0	118.0
Indicator value	95.5%	98.3%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



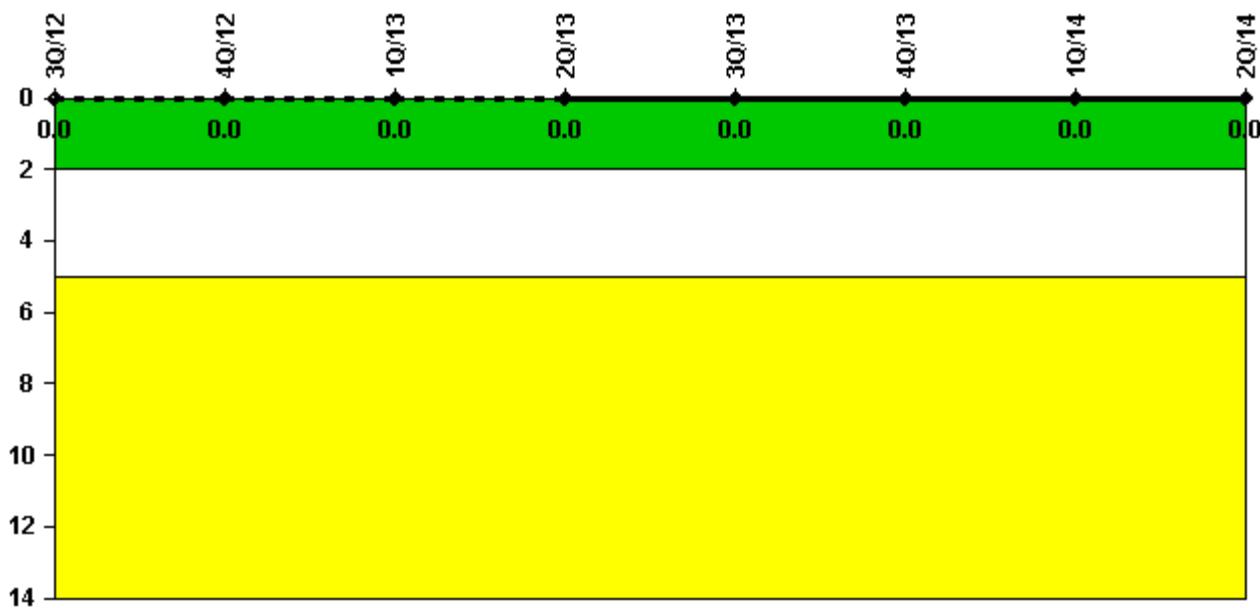
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Successful siren-tests	147	147	147	147	147	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	100.0%							

Licensee Comments: none

Occupational Exposure Control Effectiveness

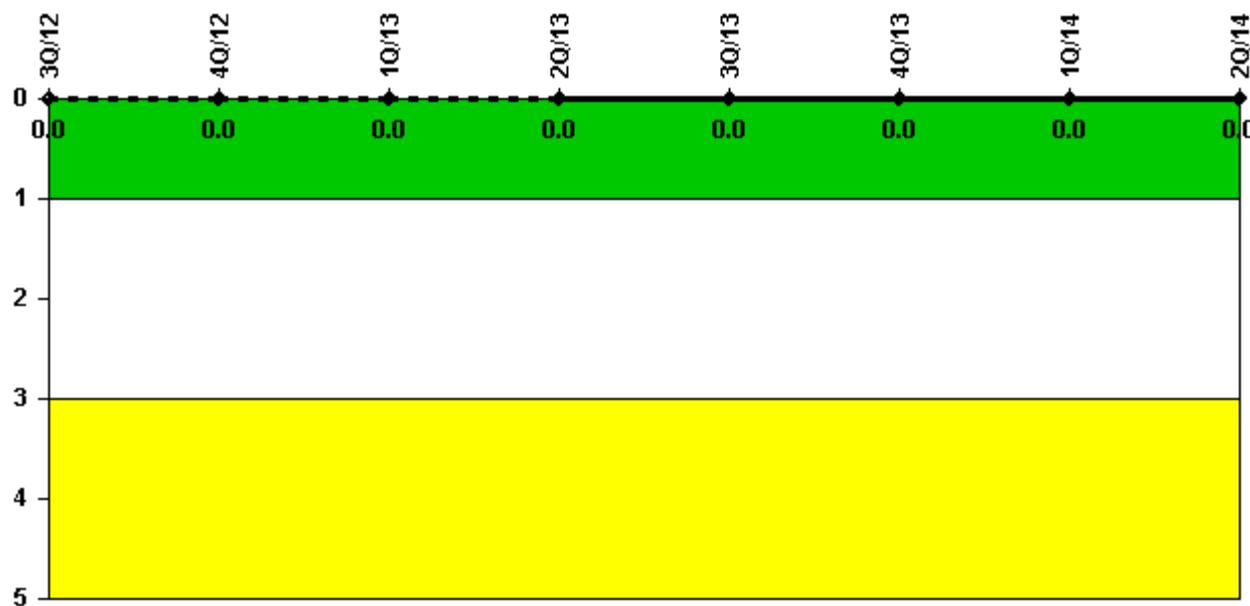


Thresholds: White > 2.0 Yellow > 5.0

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

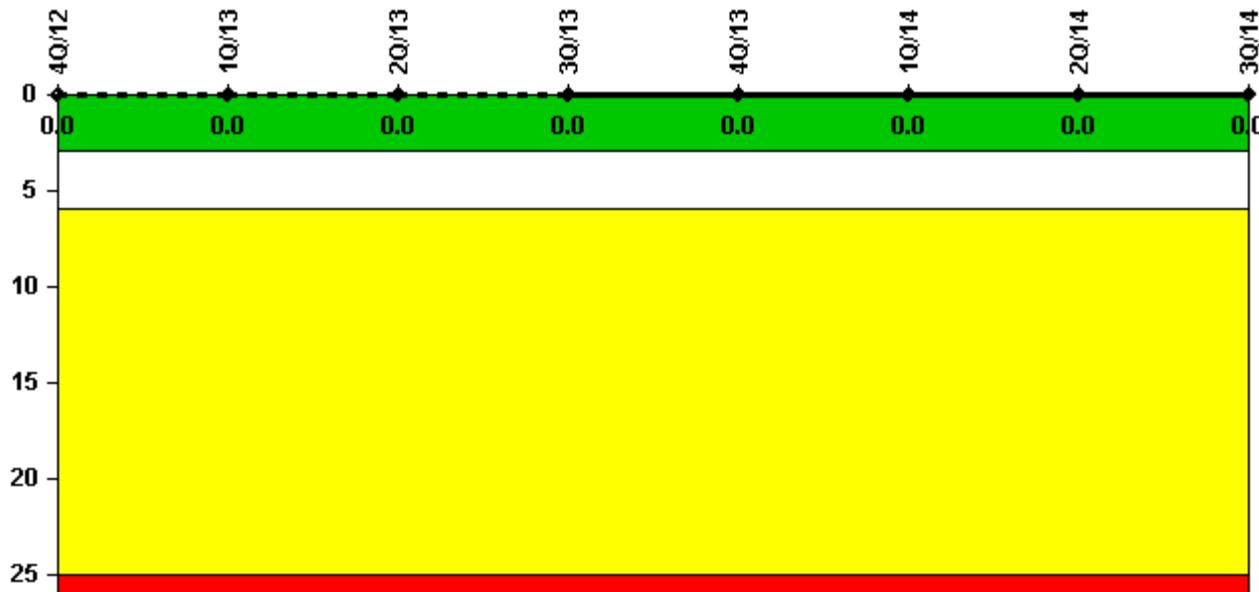
Arkansas Nuclear 1

3Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



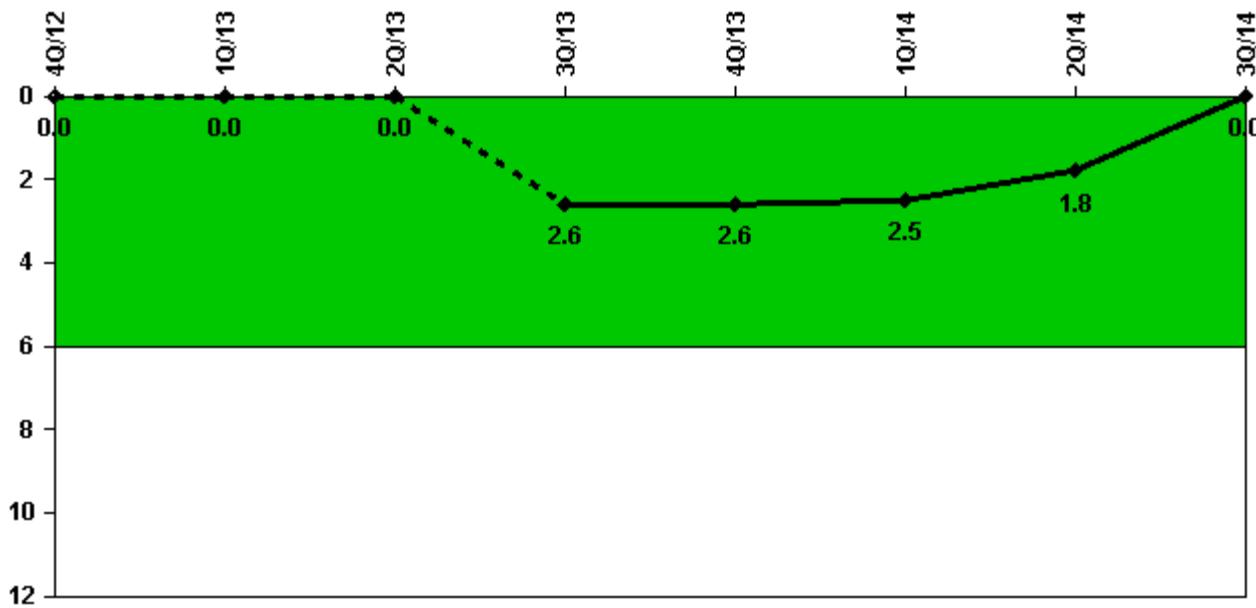
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	1975.0		1288.6	2209.0	2159.0	2184.0	2208.0
Indicator value	0							

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

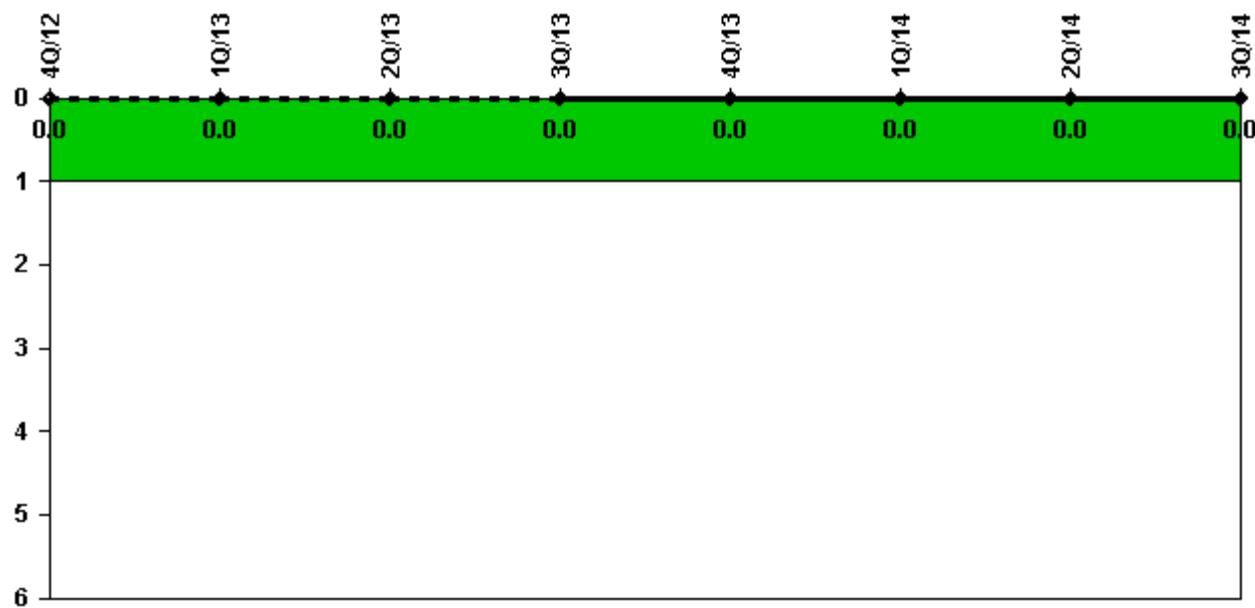


Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Unplanned power changes	0	0	0	2.0	0	0	0	0
Critical hours	2209.0	1975.0	0	1288.6	2209.0	2159.0	2184.0	2208.0
Indicator value	0	0	0	2.6	2.6	2.5	1.8	0

Licensee Comments: none

Unplanned Scrams with Complications

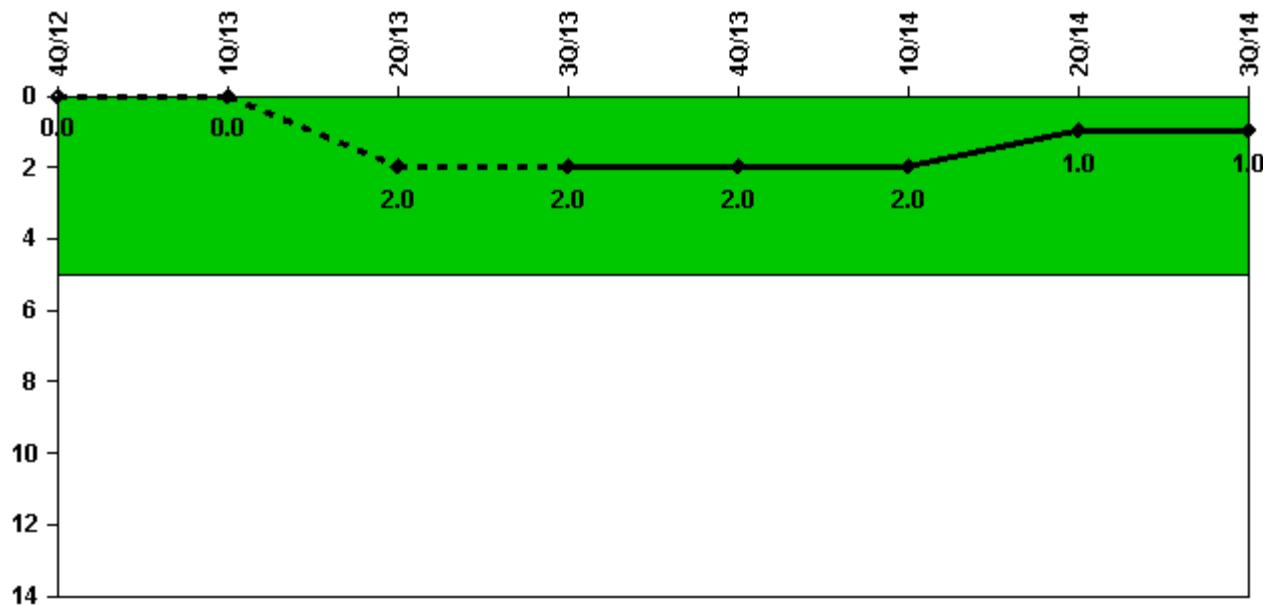
Thresholds: White > 1.0

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

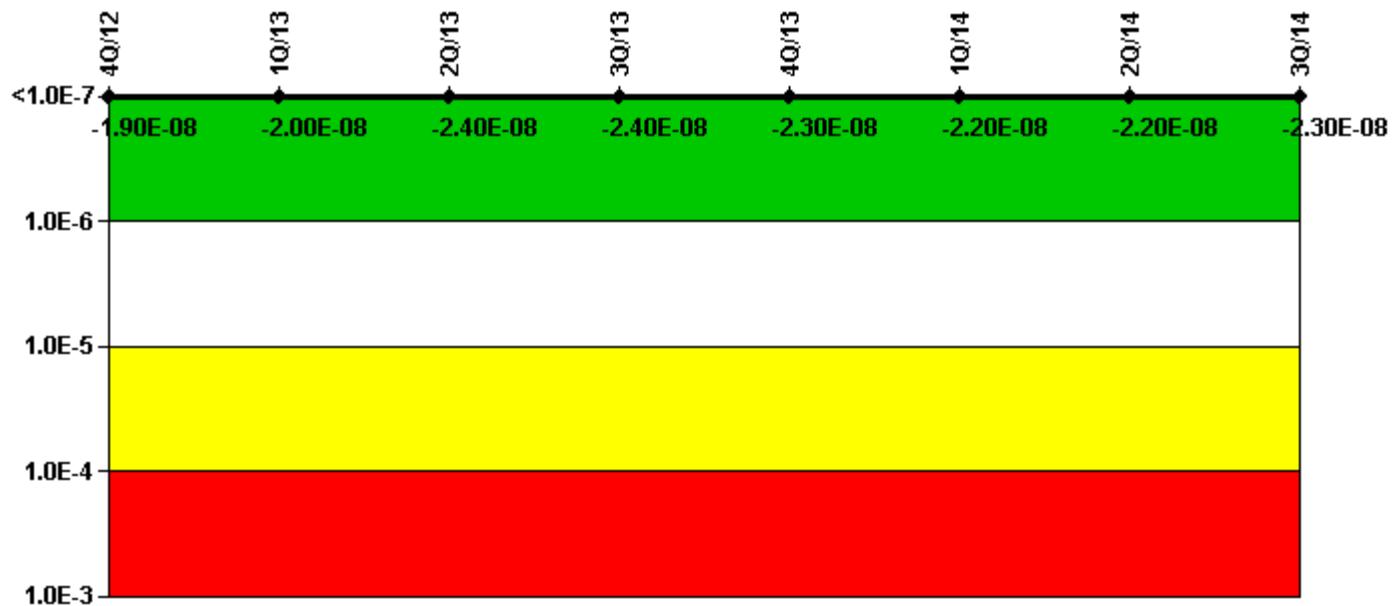
Notes

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

Licensee Comments:

2Q/13: April 2013 - Licensee Event Report 50-368/2013-002-00: Emergency Control Room Chiller Inoperability.
 May 2013 - Licensee Event Report 50-313/2013-001-00: ANO-1 Main Generator Stator Temporary Lift Assembly Failure

Mitigating Systems Performance Index, Emergency AC Power System



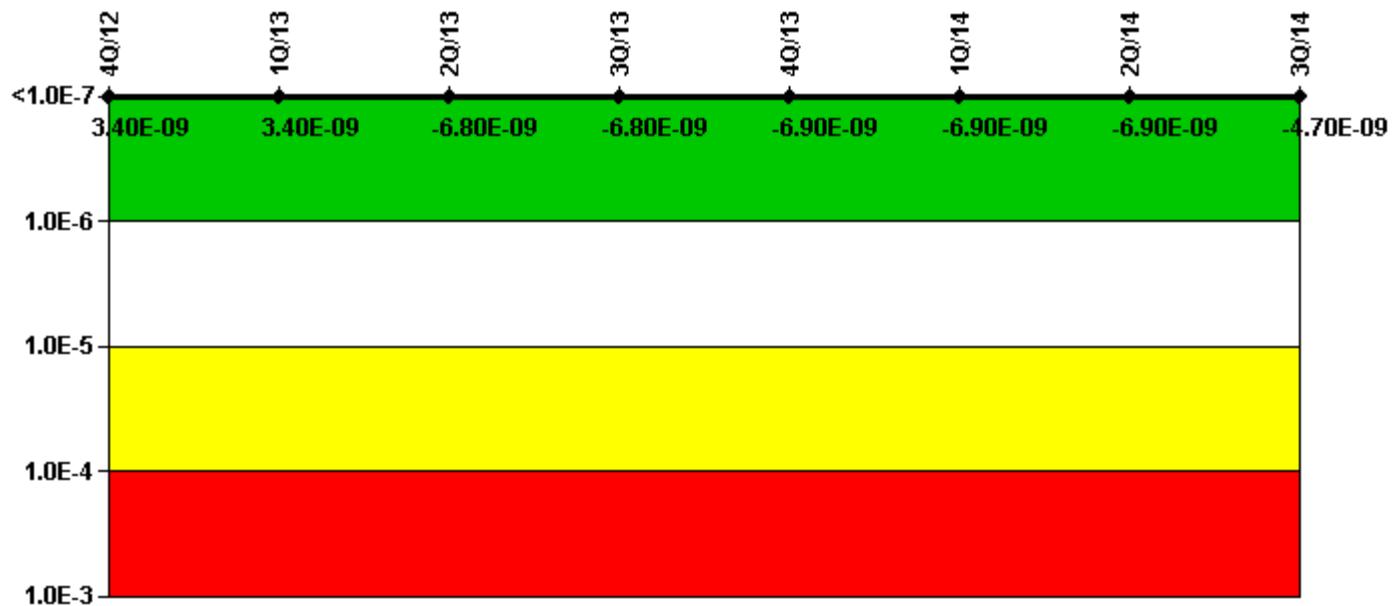
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (Δ CDF)	-2.38E-09	-2.38E-09	-2.42E-09	-2.20E-09	-1.98E-09	-6.29E-10	-6.26E-10	-2.20E-09
URI (Δ CDF)	-1.71E-08	-1.77E-08	-2.17E-08	-2.18E-08	-2.14E-08	-2.16E-08	-2.17E-08	-2.11E-08
PLE	NO							
Indicator value	-1.90E-08	-2.00E-08	-2.40E-08	-2.40E-08	-2.30E-08	-2.20E-08	-2.20E-08	-2.30E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



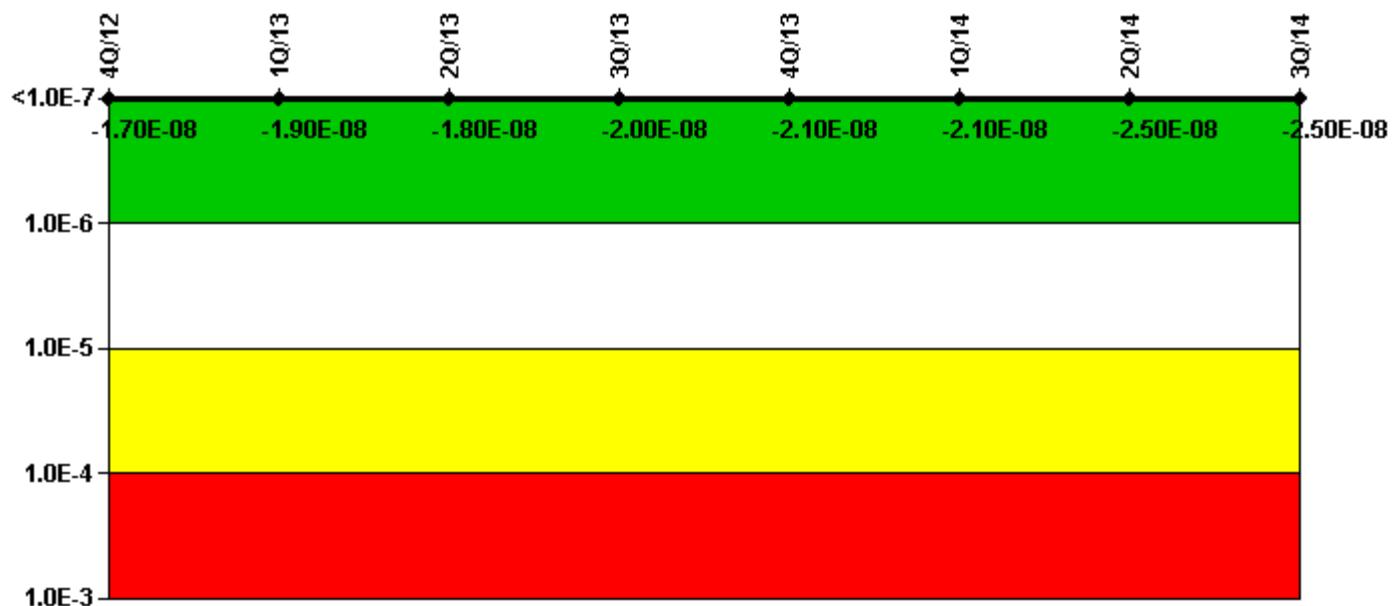
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (Δ CDF)	-3.28E-14	-8.92E-12	-7.71E-12	-4.32E-12	-8.30E-12	-8.30E-12	-8.30E-12	-8.24E-12
URI (Δ CDF)	3.43E-09	3.38E-09	-6.78E-09	-6.82E-09	-6.90E-09	-6.93E-09	-6.94E-09	-4.66E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.40E-09	3.40E-09	-6.80E-09	-6.80E-09	-6.90E-09	-6.90E-09	-6.90E-09	-4.70E-09

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



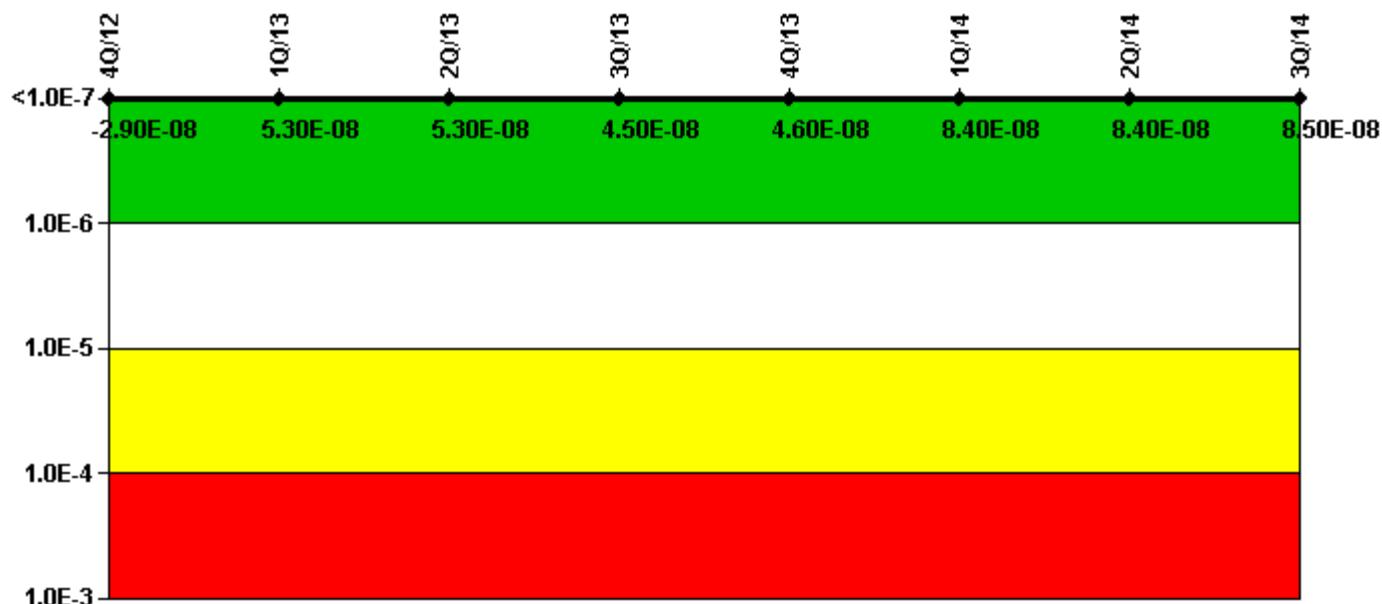
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (Δ CDF)	1.01E-08	8.43E-09	7.53E-09	3.87E-09	1.29E-09	4.28E-10	-3.29E-09	-4.02E-09
URI (Δ CDF)	-2.73E-08	-2.72E-08	-2.58E-08	-2.35E-08	-2.28E-08	-2.17E-08	-2.17E-08	-2.06E-08
PLE	NO							
Indicator value	-1.70E-08	-1.90E-08	-1.80E-08	-2.00E-08	-2.10E-08	-2.10E-08	-2.50E-08	-2.50E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



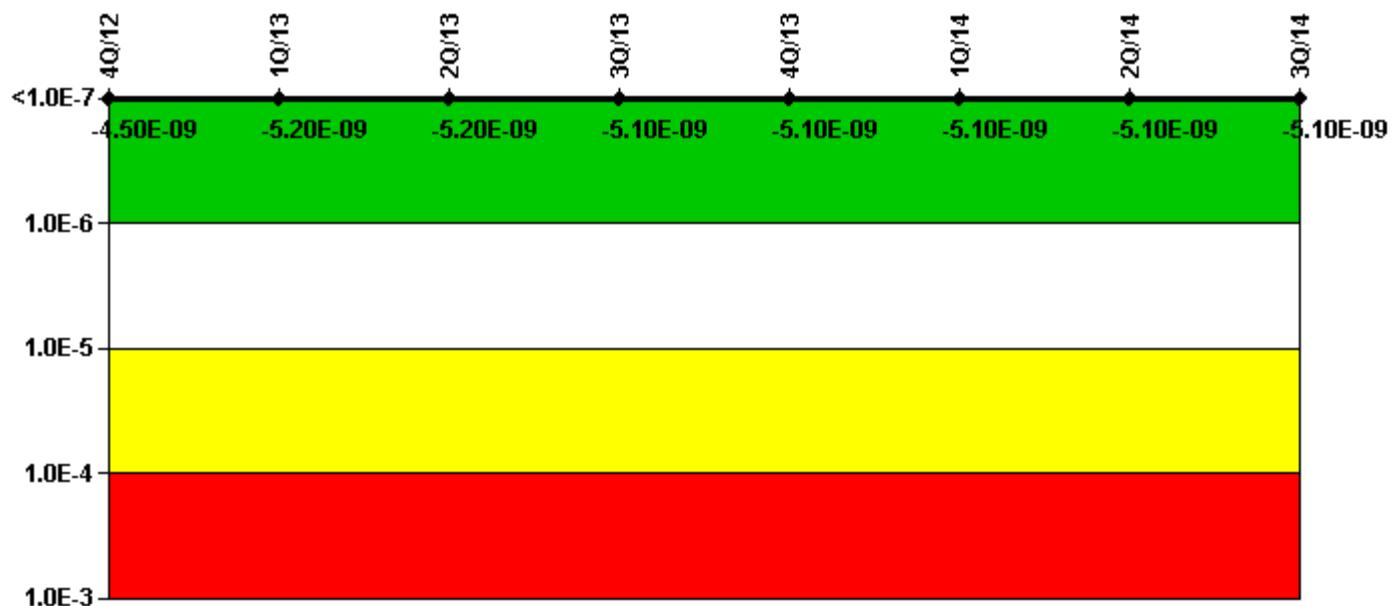
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (Δ CDF)	1.29E-08	2.35E-09	5.45E-09	8.16E-09	8.16E-09	4.62E-08	4.66E-08	4.73E-08
URI (Δ CDF)	-4.15E-08	5.03E-08	4.75E-08	3.73E-08	3.76E-08	3.76E-08	3.76E-08	3.73E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.90E-08	5.30E-08	5.30E-08	4.50E-08	4.60E-08	8.40E-08	8.40E-08	8.50E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



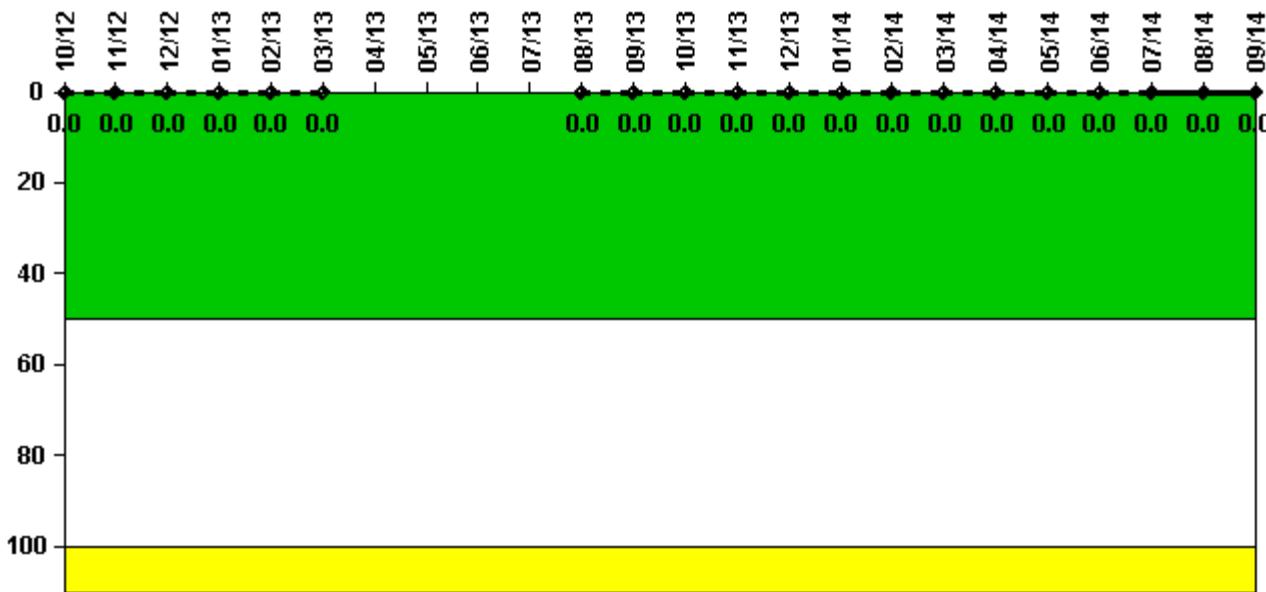
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
UAI (Δ CDF)	-2.75E-09	-3.49E-09	-3.49E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09
URI (Δ CDF)	-1.72E-09	-1.71E-09	-1.72E-09	-1.70E-09	-1.71E-09	-1.71E-09	-1.71E-09	-1.67E-09
PLE	NO							
Indicator value	-4.50E-09	-5.20E-09	-5.20E-09	-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

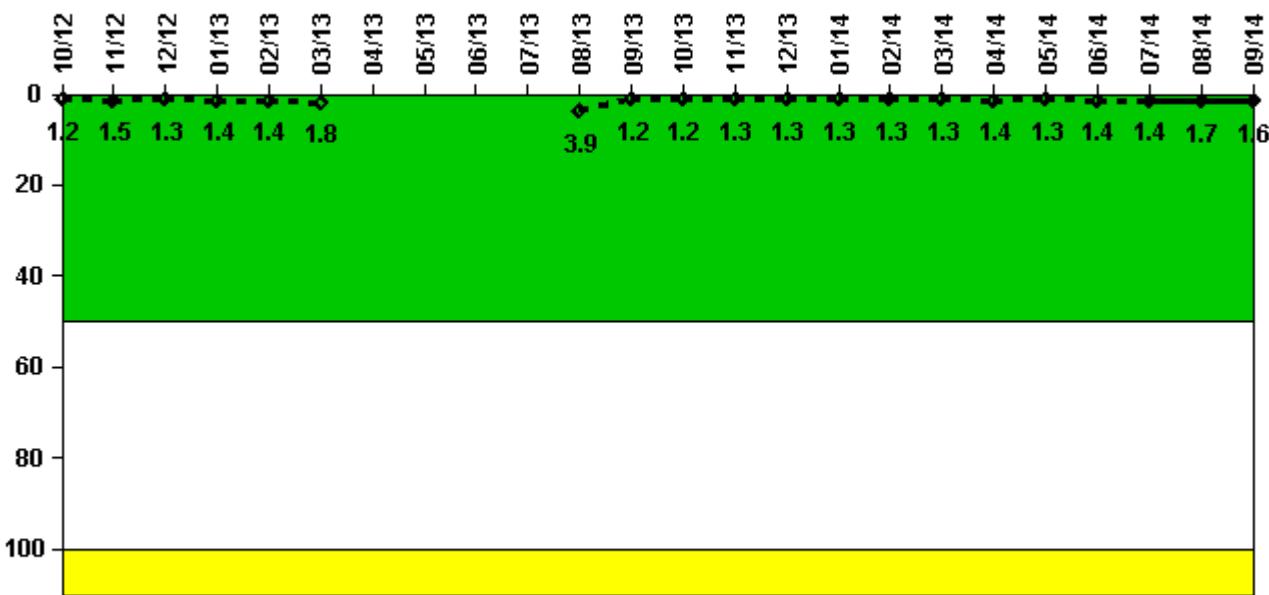
Reactor Coolant System Activity		10/12	11/12	12/12	1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13
Maximum activity		0.000220	0.000135	0.000204	0.000139	0.000142	0.000379	N/A	N/A	N/A	N/A	0.000066	0.000066
Technical specification limit		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value		0	0	0	0	0	0	N/A	N/A	N/A	N/A	0	0
Reactor Coolant System Activity	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	
Maximum activity	0.000066	0.000076	0.000089	0.000082	0.000084	0.000161	0.000084	0.000063	0.000090	0.000142	0.000103	0.000157	
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	0	0	0	0	0	

Licensee Comments:

9/13: ANO-1 was off line the entire month of July.

6/13: ANO-1 was off line for the entire second quarter 2013.

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	0.124	0.145	0.128	0.139	0.141	0.181	N/A	N/A	N/A	N/A	0.389	0.123
Indicator value	1.2	1.5	1.3	1.4	1.4	1.8	N/A	N/A	N/A	N/A	3.9	1.2
Reactor Coolant System Leakage	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14
Maximum leakage	0.115	0.128	0.132	0.128	0.128	0.127	0.137	0.125	0.138	0.135	0.165	0.164
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	1.3	1.3	1.3	1.3	1.3	1.4	1.3	1.4	1.4	1.7	1.6

Licensee Comments:

12/13: Total Leakage is being reported in lieu of Identified Leakage.

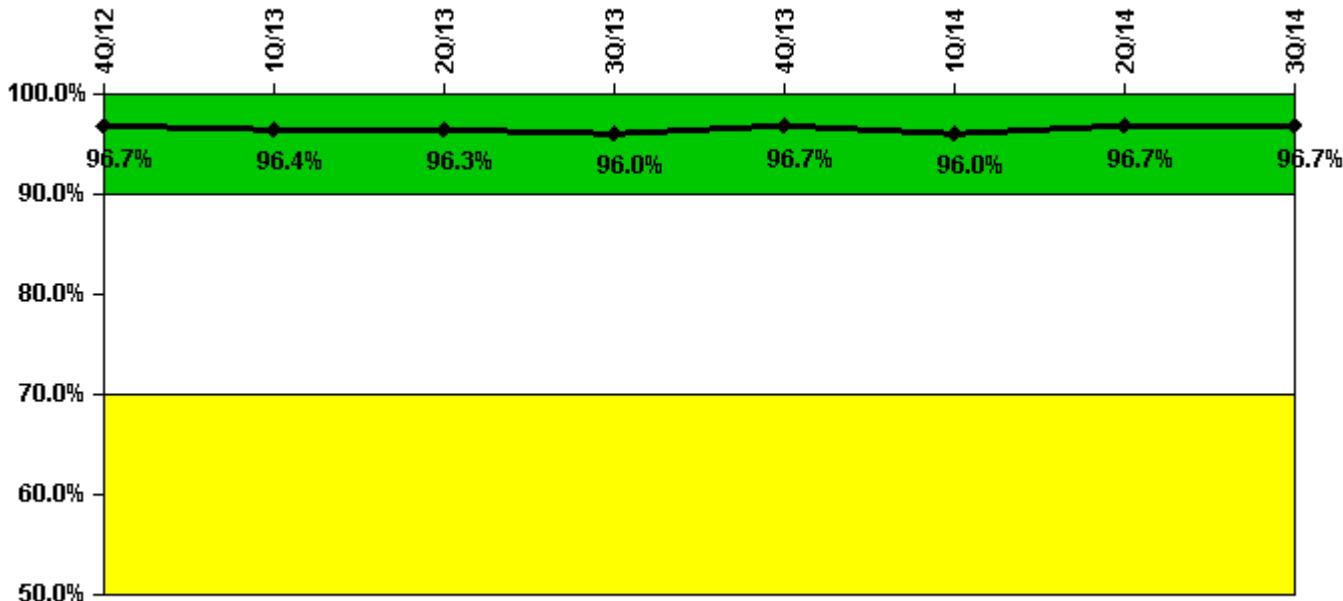
9/13: Total Leakage is being reported in lieu of Identified Leakage. ANO-1 was off line the entire month of July.

6/13: ANO-1 was off line for the entire second quarter 2013.

3/13: Total Leakage is being reported in lieu of Identified Leakage

12/12: Total Leakage is being reported in lieu of Identified Leakage.

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	13.0	26.0	8.0	51.0	50.0	51.0	45.0	105.0
Total opportunities	15.0	27.0	8.0	53.0	51.0	54.0	45.0	108.0
Indicator value	96.7%	96.4%	96.3%	96.0%	96.7%	96.0%	96.7%	96.7%

Licensee Comments:

2Q/14: Change to correct counting of the number of drills performed in the 2nd qtr. (Changed October 2014 does not affect the color of this indicator)

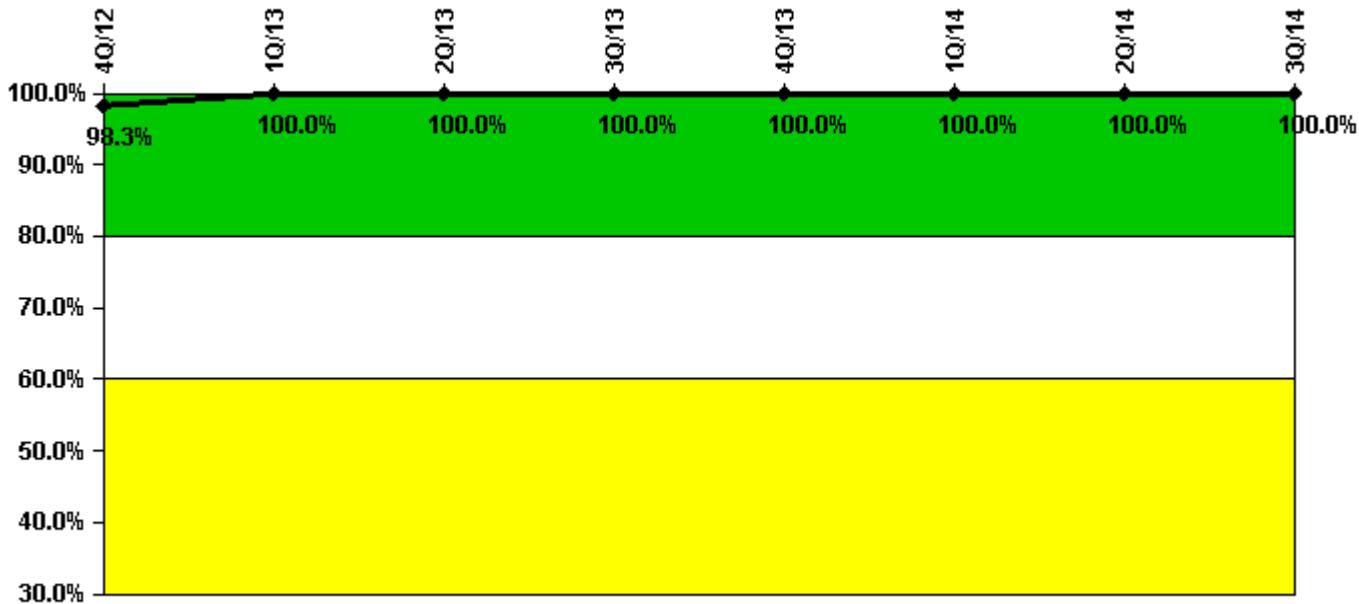
1Q/14: SM Classification failure during 2/25/2014 simulator set. EOF notification failure during 3/19/2014 full scale drill. EOF PAR failure during 3/19/2014 full scale drill. (Changed October 2014 does not affect the color of this indicator)

4Q/13: Change to correct counting of the number of drills performed in the 4th qtr.

3Q/13: Change to correct counting of the number of drills performed in the 3rd qtr.

3Q/13: In January of 2014, five drills that were not previously counted were added to the 3rd Quarter 2013 Emergency Preparedness data.

ERO Drill Participation



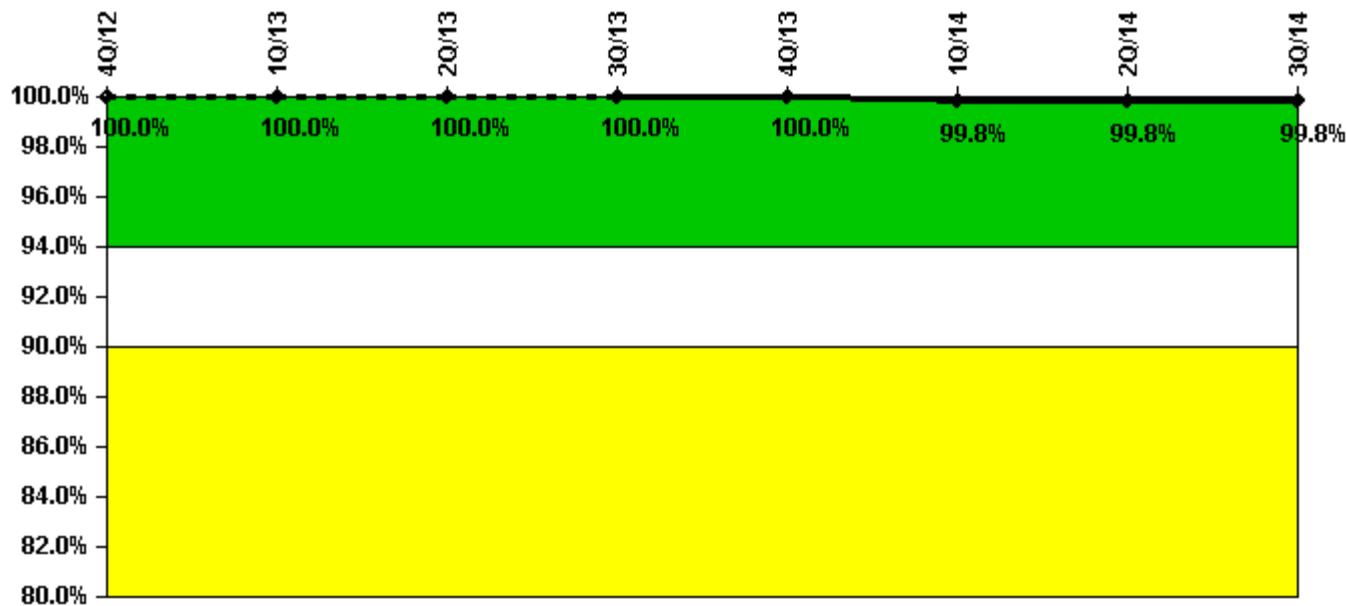
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Participating Key personnel	115.0	84.0	81.0	98.0	99.0	103.0	118.0	119.0
Total Key personnel	117.0	84.0	81.0	98.0	99.0	103.0	118.0	119.0
Indicator value	98.3%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

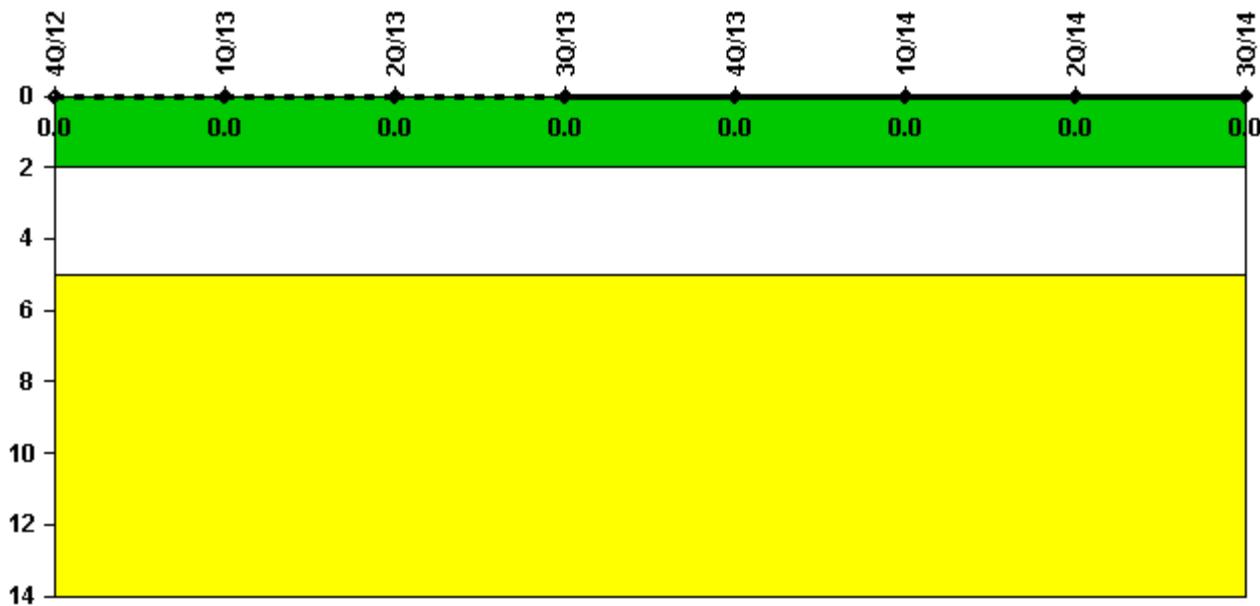
Alert & Notification System	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Successful siren-tests	147	147	147	146	147	146	147	147
Total sirens-tests	147	147	147	146	147	147	147	147
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	99.8%	99.8%	99.8%

Licensee Comments:

1Q/14: February 2014 - 2z7 failed the initial siren test. Additional checks were performed and the siren tested sat. It also tested sat in March 2014 test. (CR-ANO-C-2014-02471) (Changed October 2014 does not affect the color of this indicator)

3Q/13: September 2013 -siren 3z5 did not appear on the test form. It could not be determined if the siren was actually rested, due to the length of time between testing and identification of the miss. Therefore, this siren is being removed from consideration in the ANS testing. (CR-ANO-C-2014-02471) (Changed October 2014 does not affect the color of this indicator)

Occupational Exposure Control Effectiveness



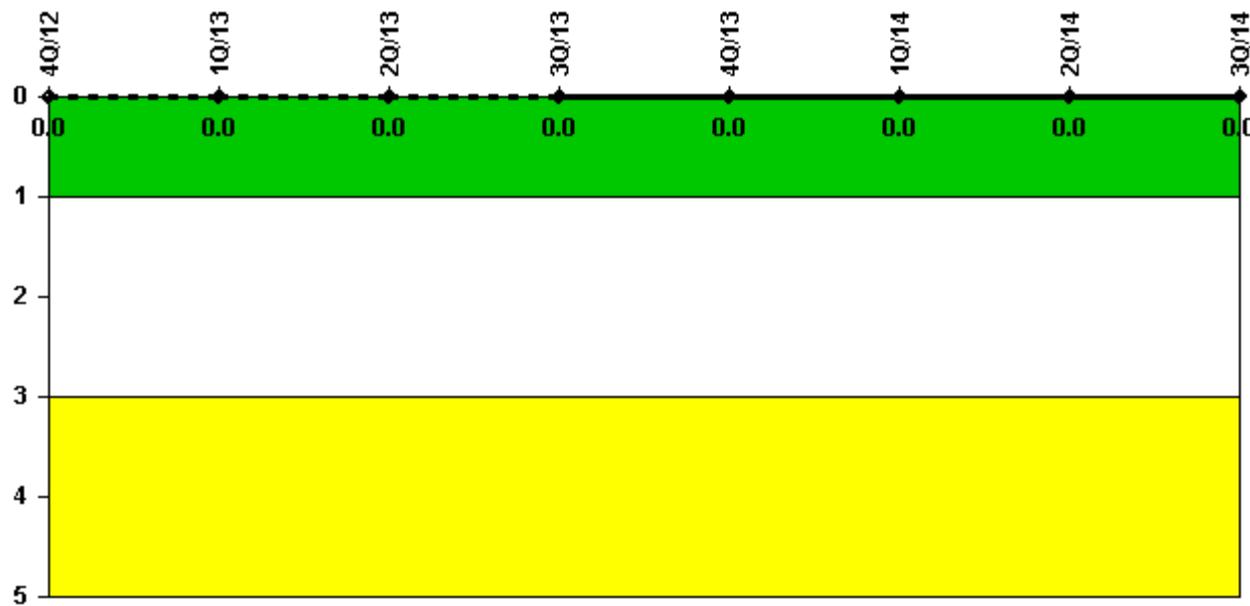
Thresholds: White > 2.0 Yellow > 5.0

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

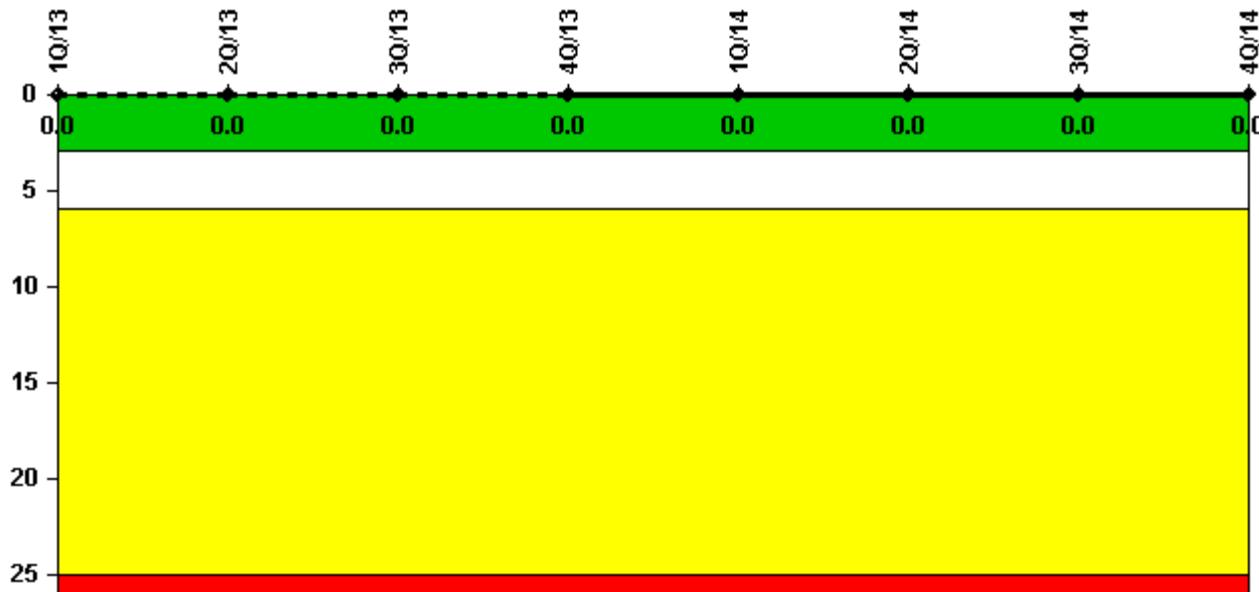
Arkansas Nuclear 1

4Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



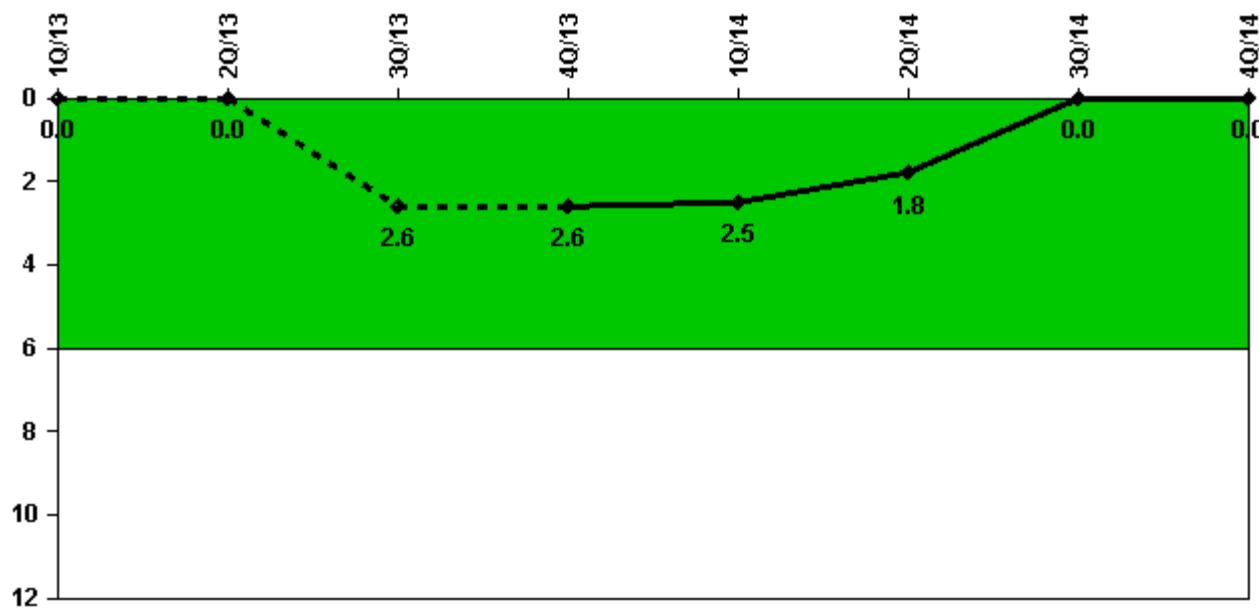
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0
Critical hours	1975.0	0	1288.6	2209.0	2159.0	2184.0	2208.0	2209.0
Indicator value	0							

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



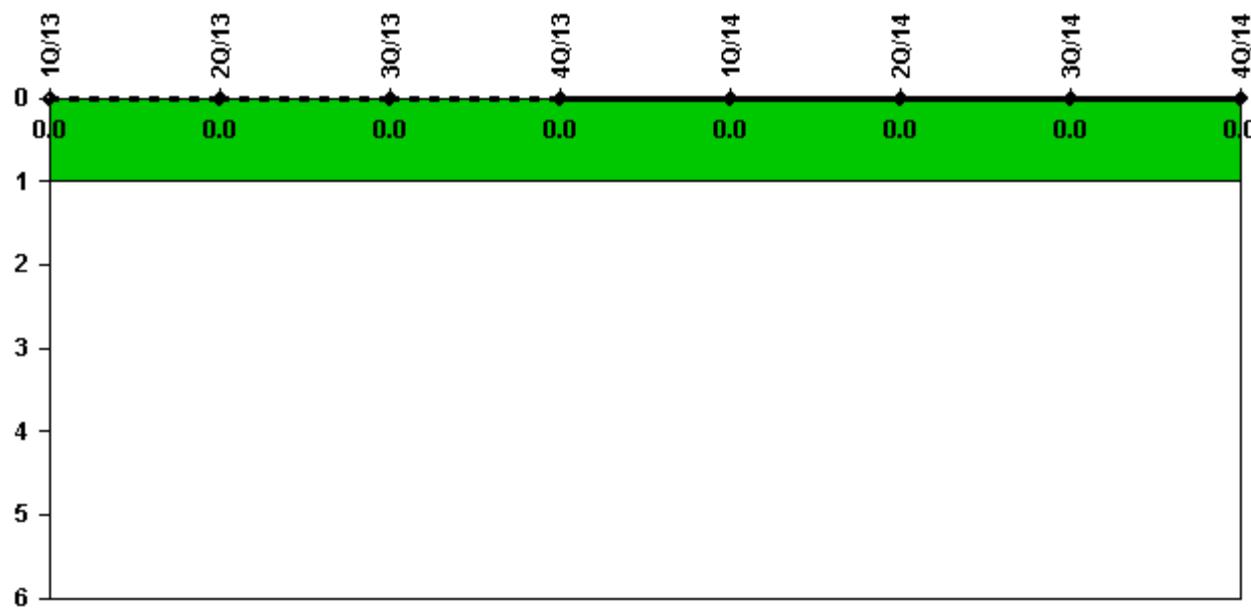
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Unplanned power changes	0	0	2.0	0	0	0	0	0
Critical hours	1975.0	0	1288.6	2209.0	2159.0	2184.0	2208.0	2209.0
Indicator value	0	0	2.6	2.6	2.5	1.8	0	0

Licensee Comments: none

Unplanned Scrams with Complications



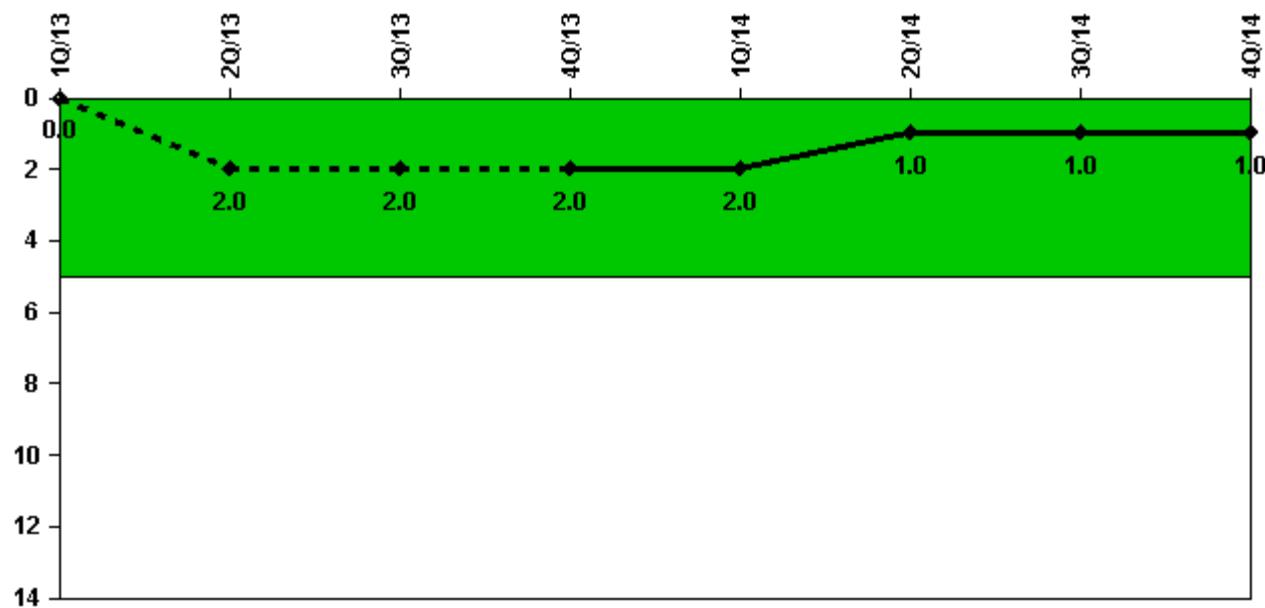
Thresholds: White > 1.0

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

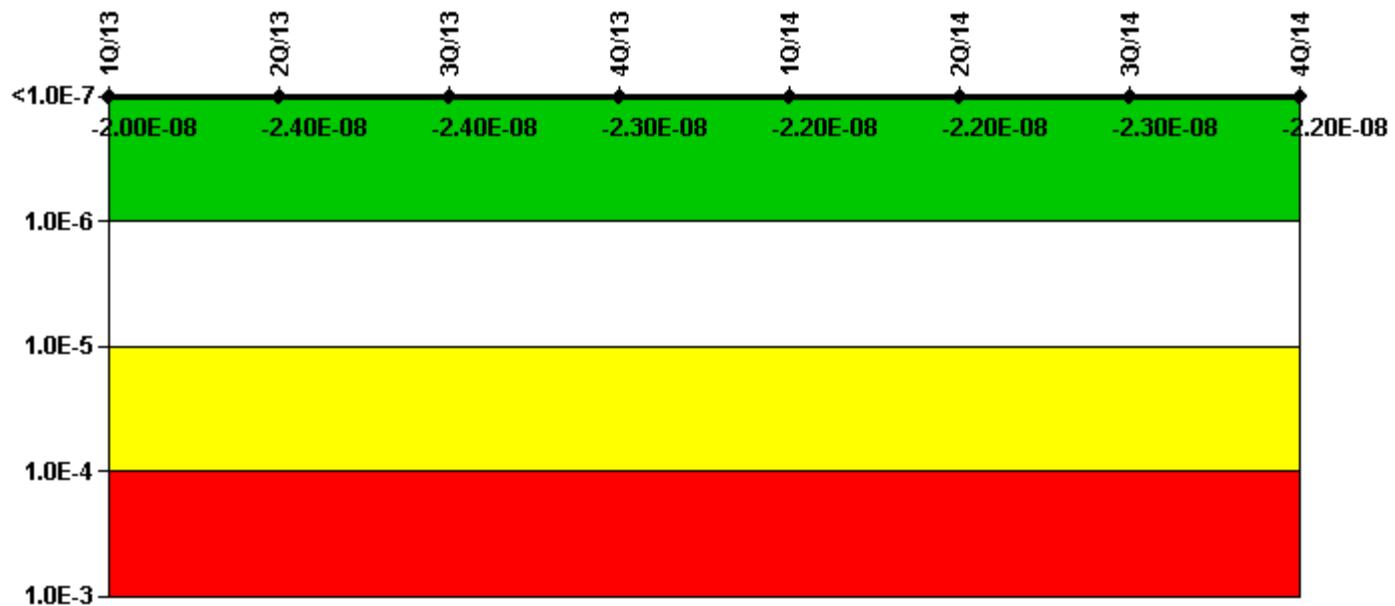
Notes

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

Licensee Comments:

2Q/13: April 2013 - Licensee Event Report 50-368/2013-002-00: Emergency Control Room Chiller Inoperability.
 May 2013 - Licensee Event Report 50-313/2013-001-00: ANO-1 Main Generator Stator Temporary Lift Assembly Failure

Mitigating Systems Performance Index, Emergency AC Power System



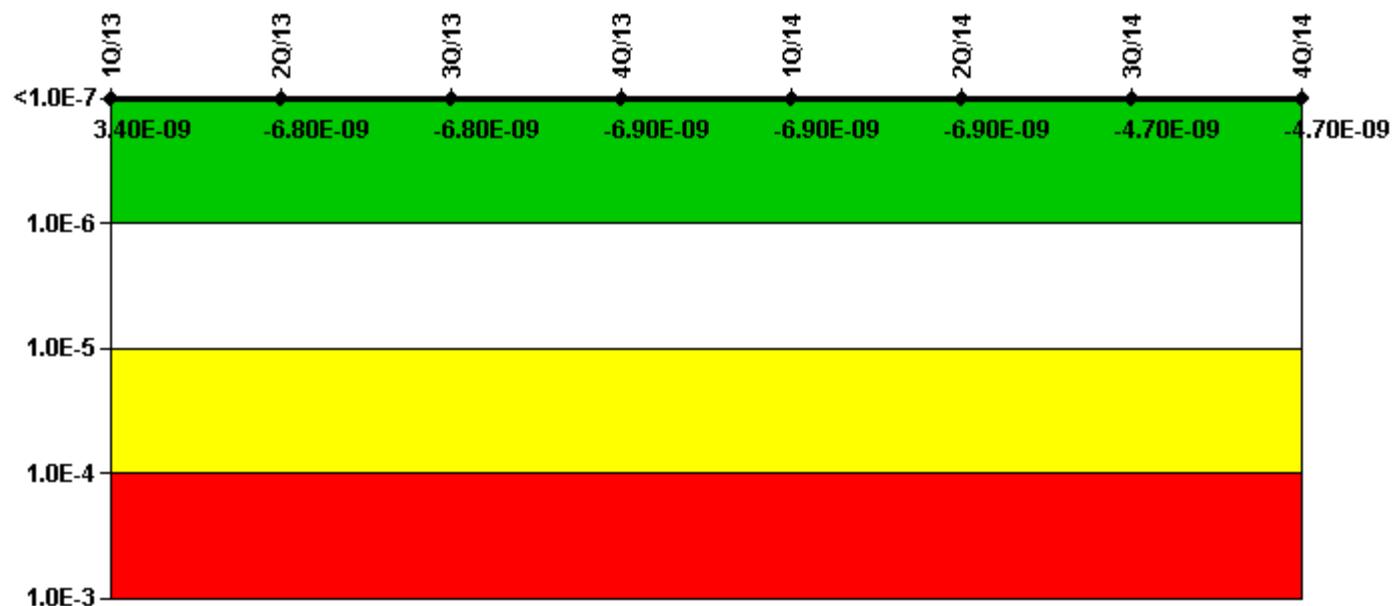
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	-2.38E-09	-2.42E-09	-2.20E-09	-1.98E-09	-6.29E-10	-6.26E-10	-2.20E-09	-2.21E-09
URI (Δ CDF)	-1.77E-08	-2.17E-08	-2.18E-08	-2.14E-08	-2.16E-08	-2.17E-08	-2.11E-08	-2.03E-08
PLE	NO							
Indicator value	-2.00E-08	-2.40E-08	-2.40E-08	-2.30E-08	-2.20E-08	-2.20E-08	-2.30E-08	-2.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



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

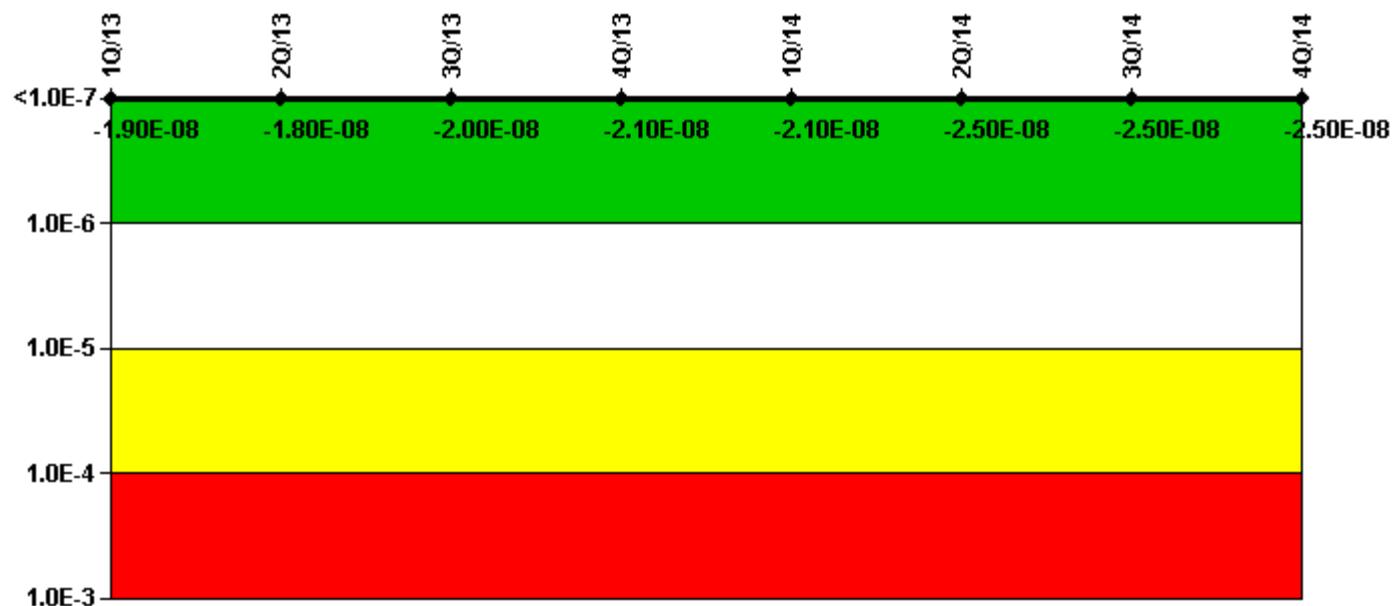
Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	-8.92E-12	-7.71E-12	-4.32E-12	-8.30E-12	-8.30E-12	-8.30E-12	-8.24E-12	-8.34E-12
URI (Δ CDF)	3.38E-09	-6.78E-09	-6.82E-09	-6.90E-09	-6.93E-09	-6.94E-09	-4.66E-09	-4.67E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	3.40E-09	-6.80E-09	-6.80E-09	-6.90E-09	-6.90E-09	-6.90E-09	-4.70E-09	-4.70E-09

Licensee Comments:

3Q/14: ANO-1 HPI Reliability for P36A in August was revised. Oper Non-Test demands and Run Hours were originally reported under Test. This change does not affect the color of this indicator.

Mitigating Systems Performance Index, Heat Removal System



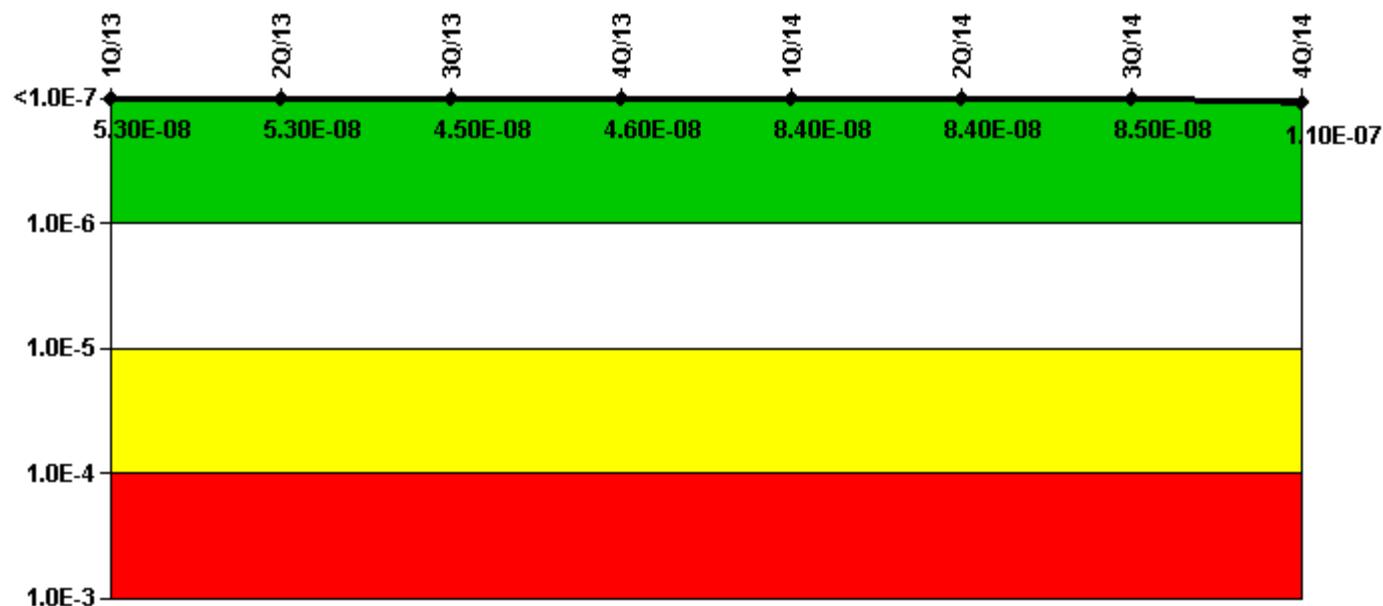
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	8.43E-09	7.53E-09	3.87E-09	1.29E-09	4.28E-10	-3.29E-09	-4.02E-09	-4.59E-09
URI (Δ CDF)	-2.72E-08	-2.58E-08	-2.35E-08	-2.28E-08	-2.17E-08	-2.17E-08	-2.06E-08	-2.01E-08
PLE	NO							
Indicator value	-1.90E-08	-1.80E-08	-2.00E-08	-2.10E-08	-2.10E-08	-2.50E-08	-2.50E-08	-2.50E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



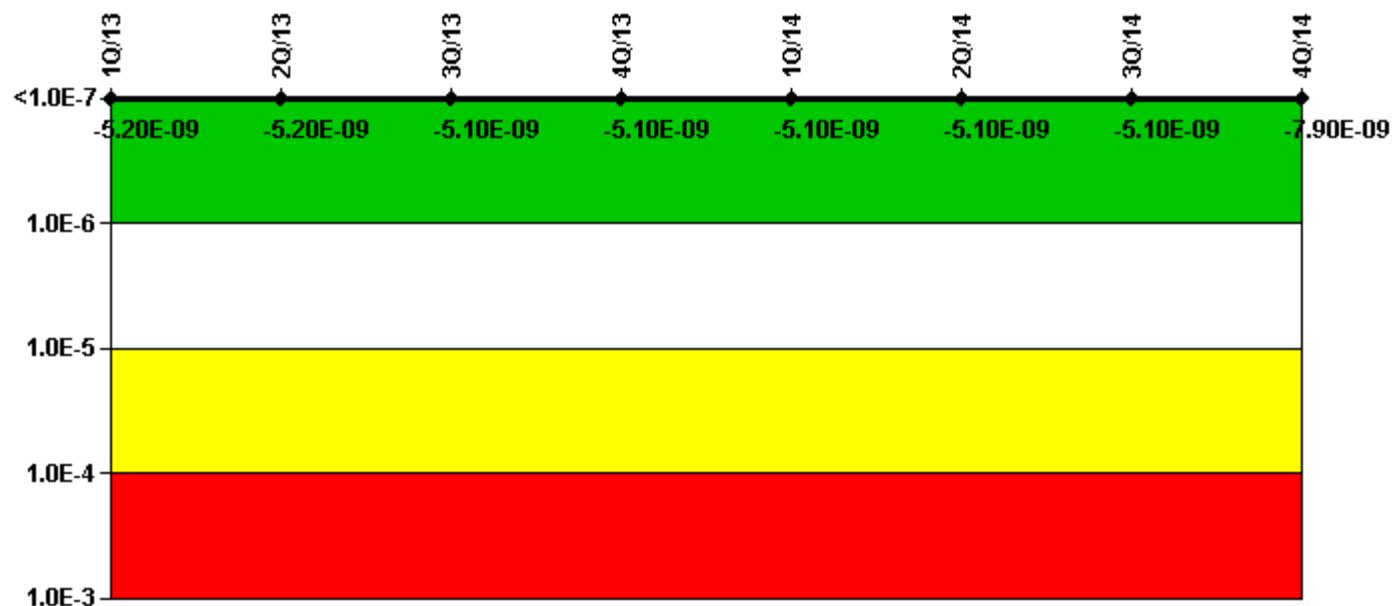
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	2.35E-09	5.45E-09	8.16E-09	8.16E-09	4.62E-08	4.66E-08	4.73E-08	5.58E-08
URI (Δ CDF)	5.03E-08	4.75E-08	3.73E-08	3.76E-08	3.76E-08	3.76E-08	3.73E-08	5.08E-08
PLE	NO							
Indicator value	5.30E-08	5.30E-08	4.50E-08	4.60E-08	8.40E-08	8.40E-08	8.50E-08	1.10E-07

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



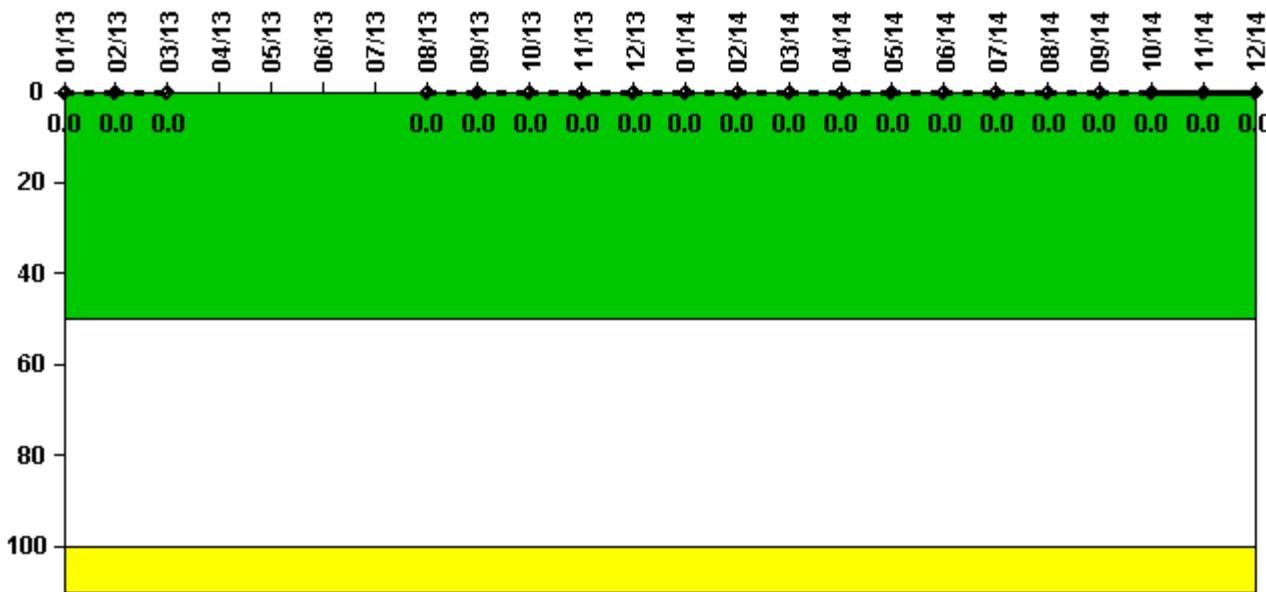
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
UAI (Δ CDF)	-3.49E-09	-3.49E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09
URI (Δ CDF)	-1.71E-09	-1.72E-09	-1.70E-09	-1.71E-09	-1.71E-09	-1.71E-09	-1.67E-09	-4.48E-09
PLE	NO							
Indicator value	-5.20E-09	-5.20E-09	-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09	-7.90E-09

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

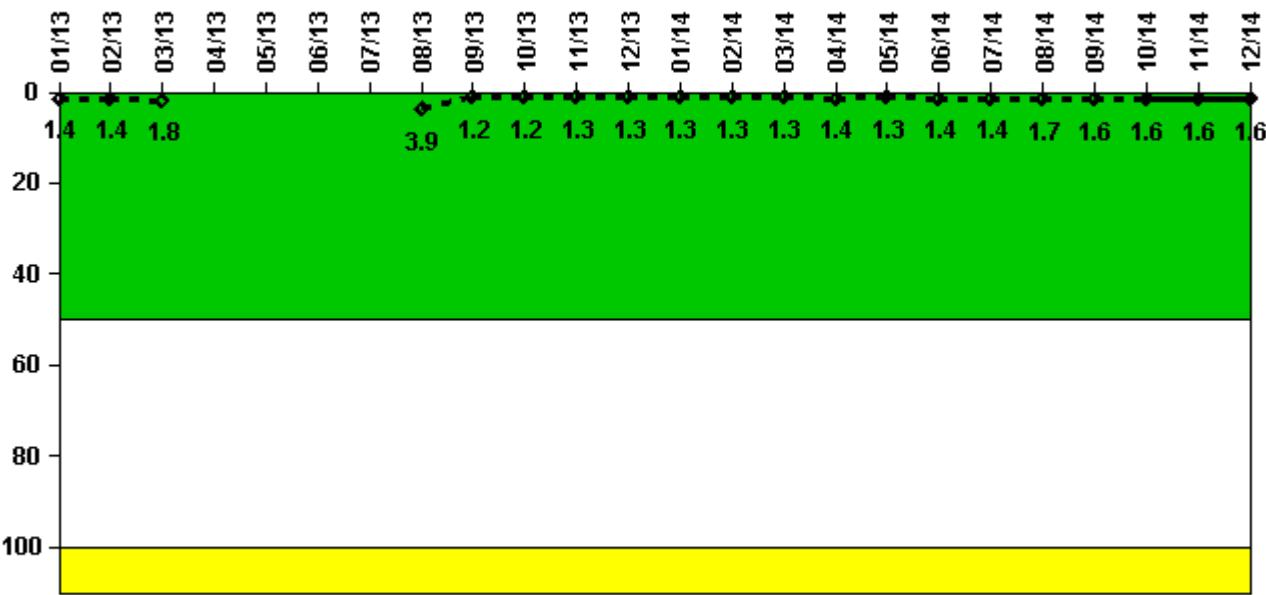
Reactor Coolant System Activity		1/13	2/13	3/13	4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13
Maximum activity		0.000139	0.000142	0.000379	N/A	N/A	N/A	N/A	0.000066	0.000066	0.000066	0.000076	0.000089
Technical specification limit		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value		0	0	0	N/A	N/A	N/A	N/A	0	0	0	0	0
Reactor Coolant System Activity	1/14	2/14	3/14	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14	
Maximum activity	0.000082	0.000084	0.000161	0.000084	0.000063	0.000090	0.000142	0.000103	0.000157	0.000160	0.000185	0.000144	
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	0	0	0	0	0	0	0	0	0	0	0	0

Licensee Comments:

9/13: ANO-1 was off line the entire month of July.

6/13: ANO-1 was off line for the entire second quarter 2013.

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	0.139	0.141	0.181	N/A	N/A	N/A	N/A	0.389	0.123	0.115	0.128	0.132
Indicator value	1.4	1.4	1.8	N/A	N/A	N/A	N/A	3.9	1.2	1.2	1.3	1.3
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	0.128	0.128	0.127	0.137	0.125	0.138	0.135	0.165	0.164	0.159	0.160	0.159
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	1.3	1.3	1.4	1.3	1.4	1.4	1.7	1.6	1.6	1.6	1.6

Licensee Comments:

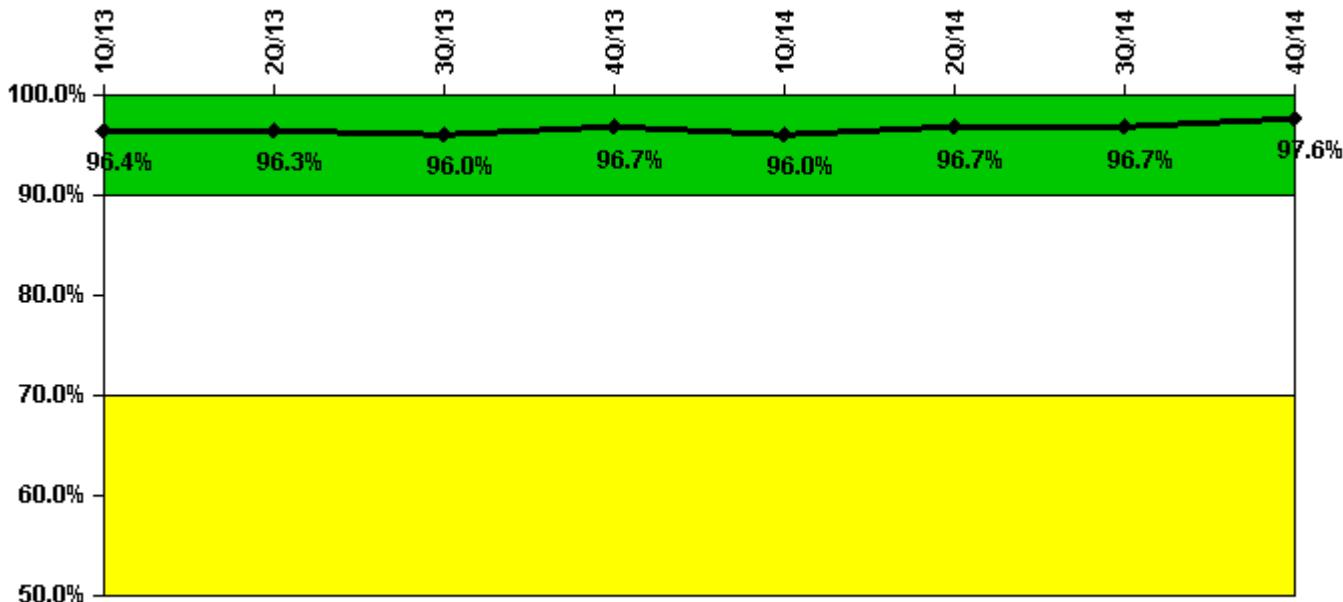
12/13: Total Leakage is being reported in lieu of Identified Leakage.

9/13: Total Leakage is being reported in lieu of Identified Leakage. ANO-1 was off line the entire month of July.

6/13: ANO-1 was off line for the entire second quarter 2013.

3/13: Total Leakage is being reported in lieu of Identified Leakage

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	26.0	8.0	51.0	50.0	51.0	45.0	108.0	61.0
Total opportunities	27.0	8.0	53.0	51.0	54.0	45.0	111.0	61.0
Indicator value	96.4%	96.3%	96.0%	96.7%	96.0%	96.7%	96.7%	97.6%

Licensee Comments:

3Q/14: The September Drill / Exercise Performance was revised to included three notification communicator drills. This change dose not affect the color of this indicator.

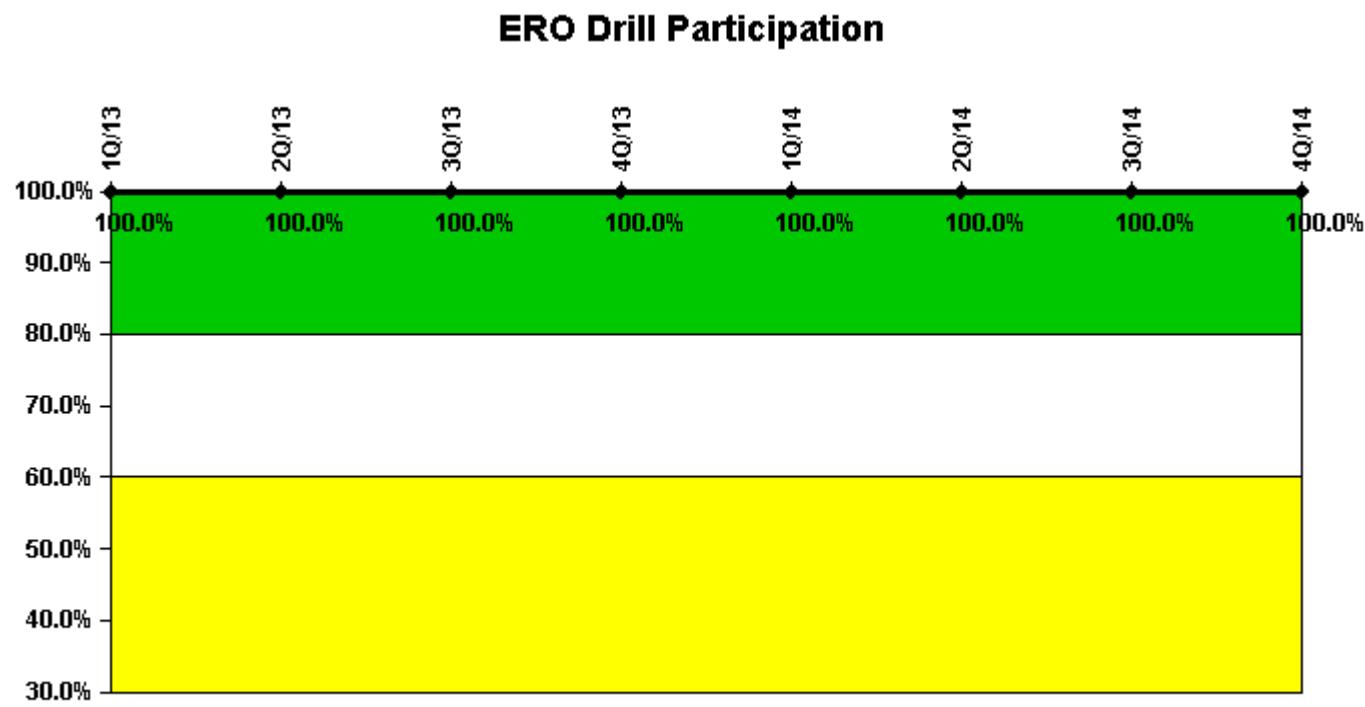
2Q/14: Change to correct counting of the number of drills performed in the 2nd qtr. (Changed October 2014 does not affect the color of this indicator)

1Q/14: SM Classification failure during 2/25/2014 simulator set. EOF notification failure during 3/19/2014 full scale drill. EOF PAR failure furing 3/19/2014 full scale drill. (Changed October 2014 does not affect the color of this indicator)

4Q/13: Change to correct counting of the number of drills performed in the 4th qtr.

3Q/13: Change to correct counting of the number of drills performed in the 3rd qtr.

3Q/13: In January of 2014, five drills that were not previously counted were added to the 3rd Quarter 2013 Emergency Preparedness data.



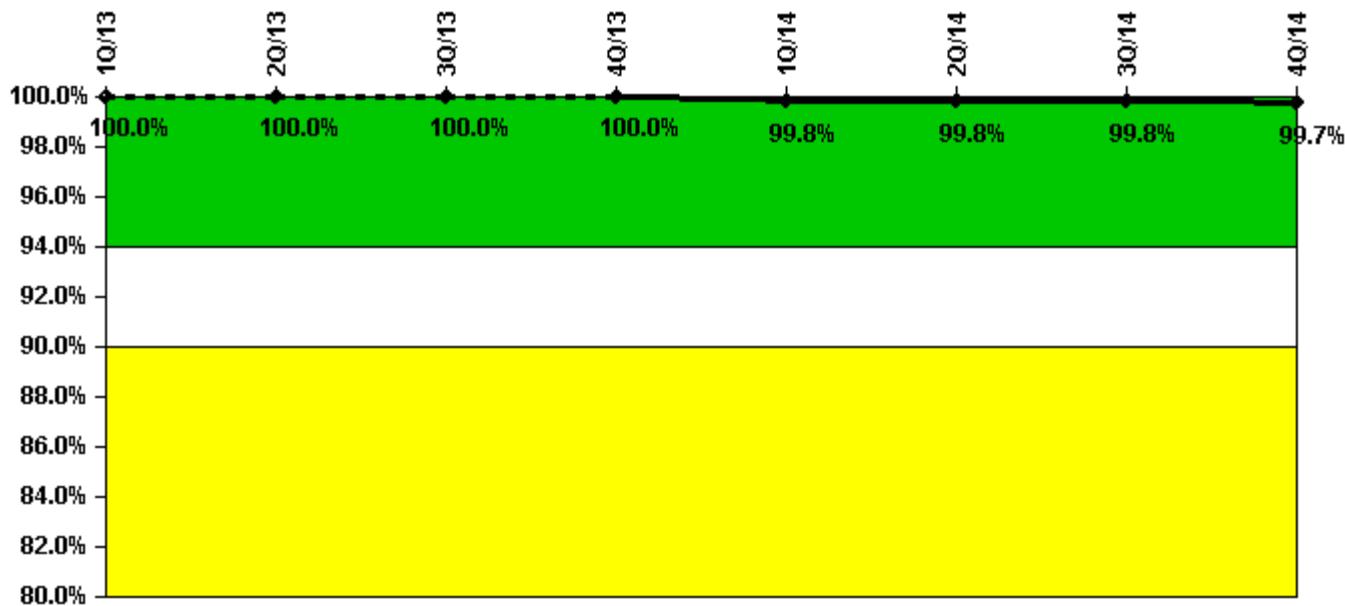
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Participating Key personnel	84.0	81.0	98.0	99.0	103.0	118.0	119.0	116.0
Total Key personnel	84.0	81.0	98.0	99.0	103.0	118.0	119.0	116.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

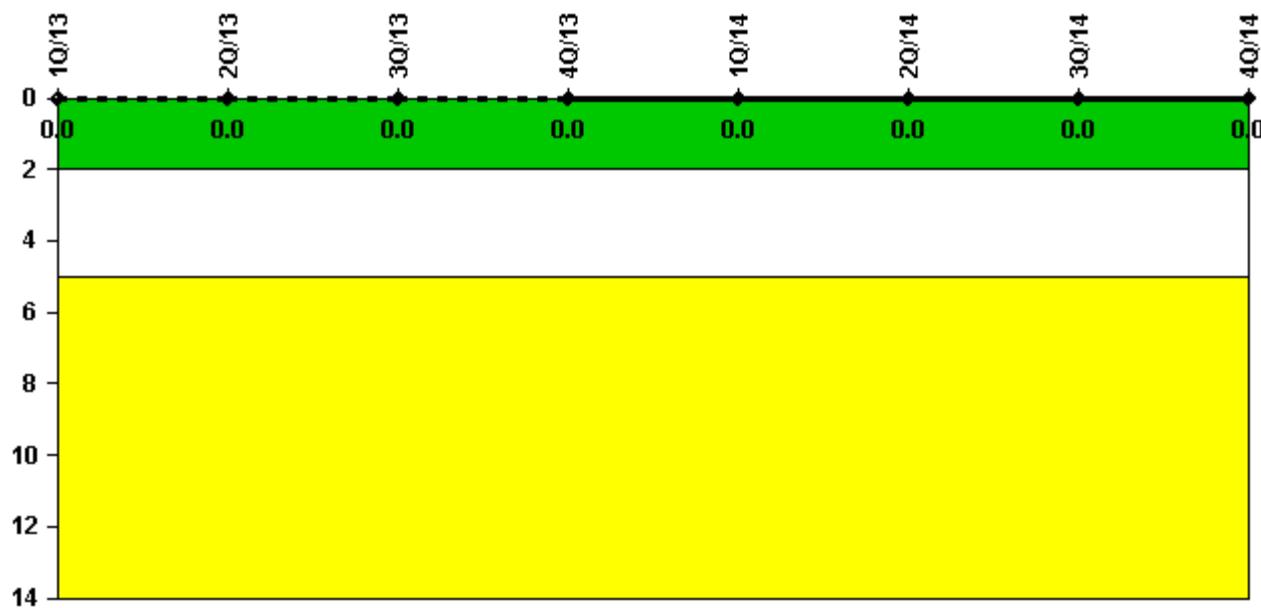
Alert & Notification System	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Successful siren-tests	147	147	146	147	146	147	147	146
Total sirens-tests	147	147	146	147	147	147	147	147
Indicator value	100.0%	100.0%	100.0%	100.0%	99.8%	99.8%	99.8%	99.7%

Licensee Comments:

1Q/14: February 2014 - 2z7 failed the initial siren test. Additional checks were performed and the siren tested sat. It also tested sat in March 2014 test. (CR-ANO-C-2014-02471) (Changed October 2014 does not affect the color of this indicator)

3Q/13: September 2013 -siren 3z5 did not appear on the test form. It could not be determined if the siren was actually rested, due to the length of time between testing and identification of the miss. Therefore, this siren is being removed from consideration in the ANS testing. (CR-ANO-C-2014-02471) (Changed October 2014 does not affect the color of this indicator)

Occupational Exposure Control Effectiveness

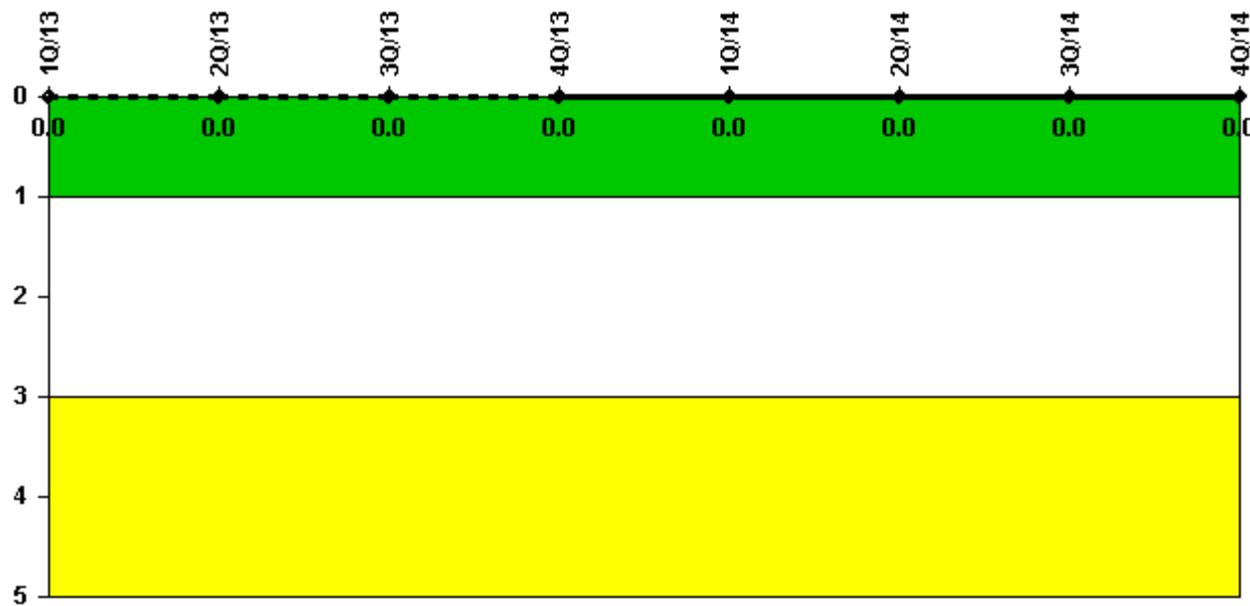


Thresholds: White > 2.0 Yellow > 5.0

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

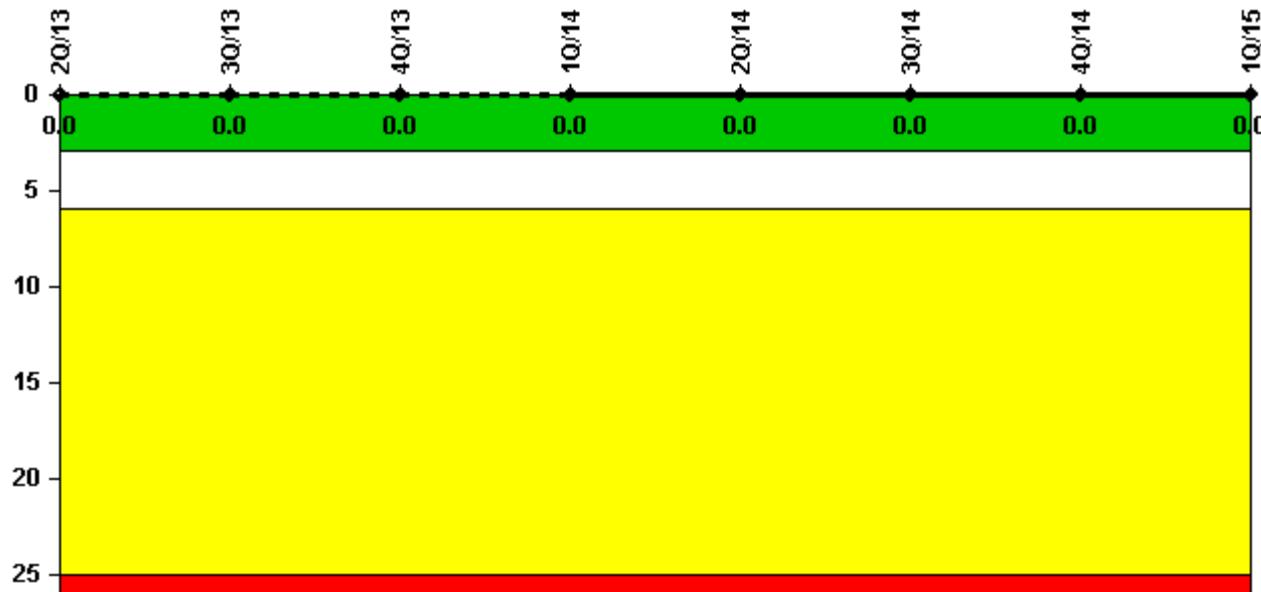
Arkansas Nuclear 1

1Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



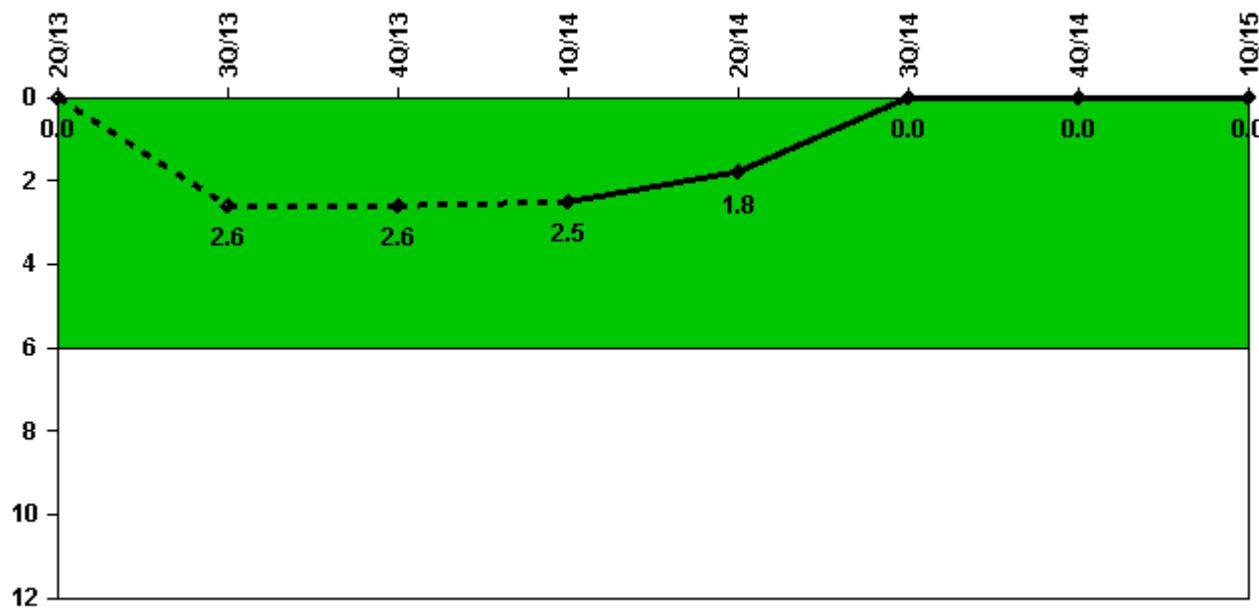
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0
Critical hours	0	1288.6	2209.0	2159.0	2184.0	2208.0	2209.0	1339.4
Indicator value	0							

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

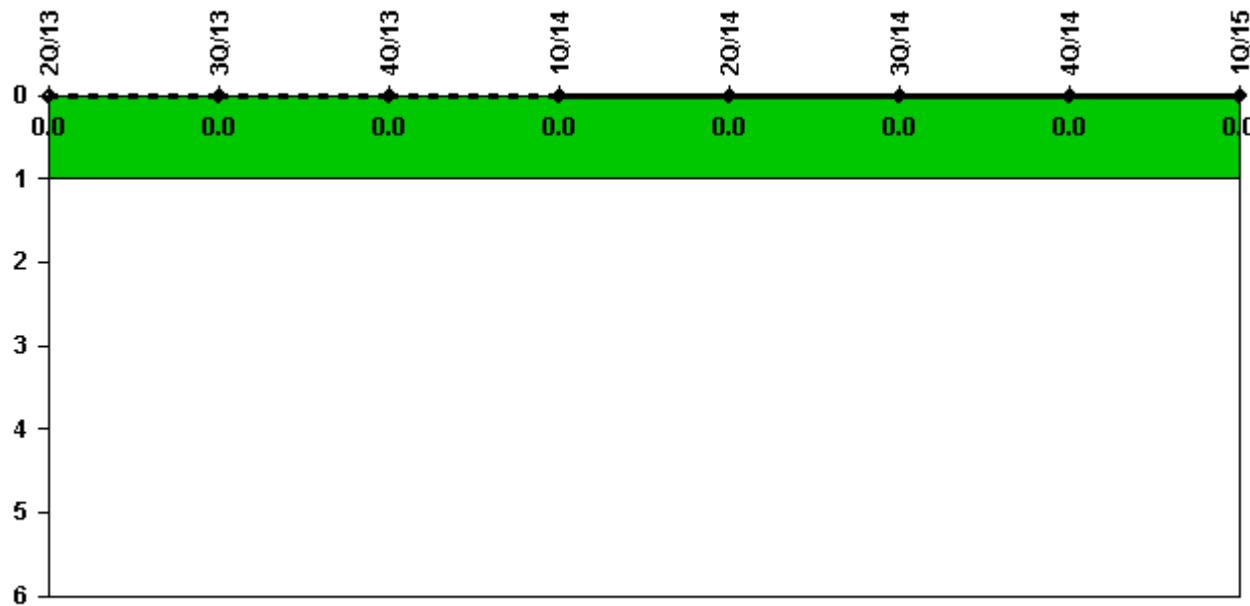


Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Unplanned power changes	0	2.0	0	0	0	0	0	0
Critical hours	0	1288.6	2209.0	2159.0	2184.0	2208.0	2209.0	1339.4
Indicator value	0	2.6	2.6	2.5	1.8	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications

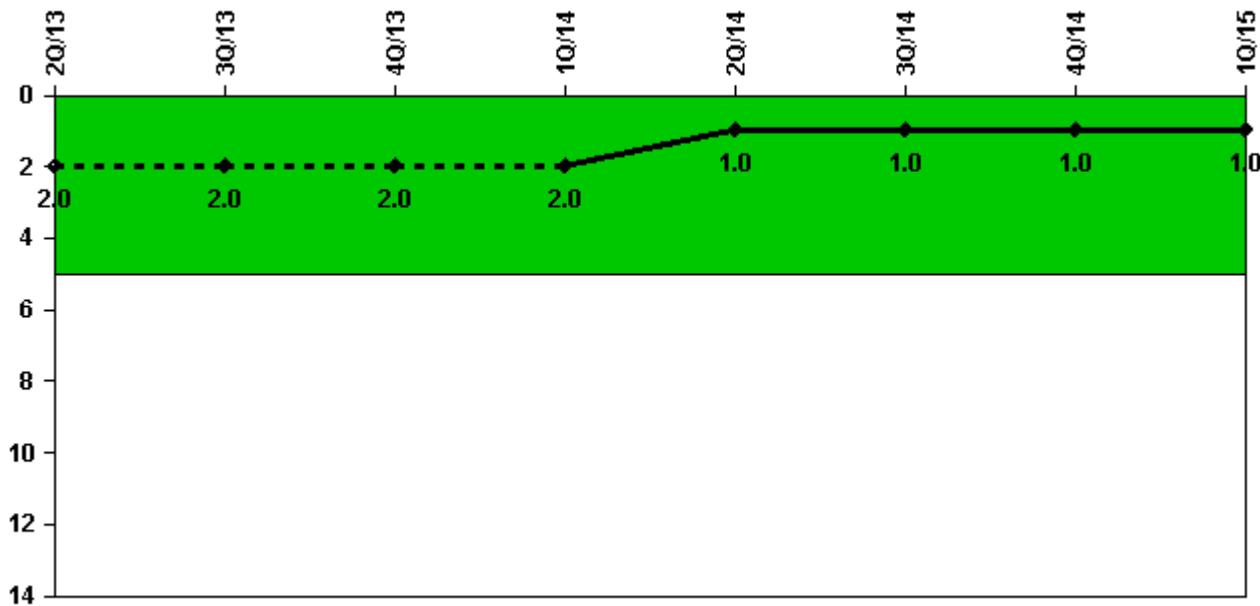
Thresholds: White > 1.0

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

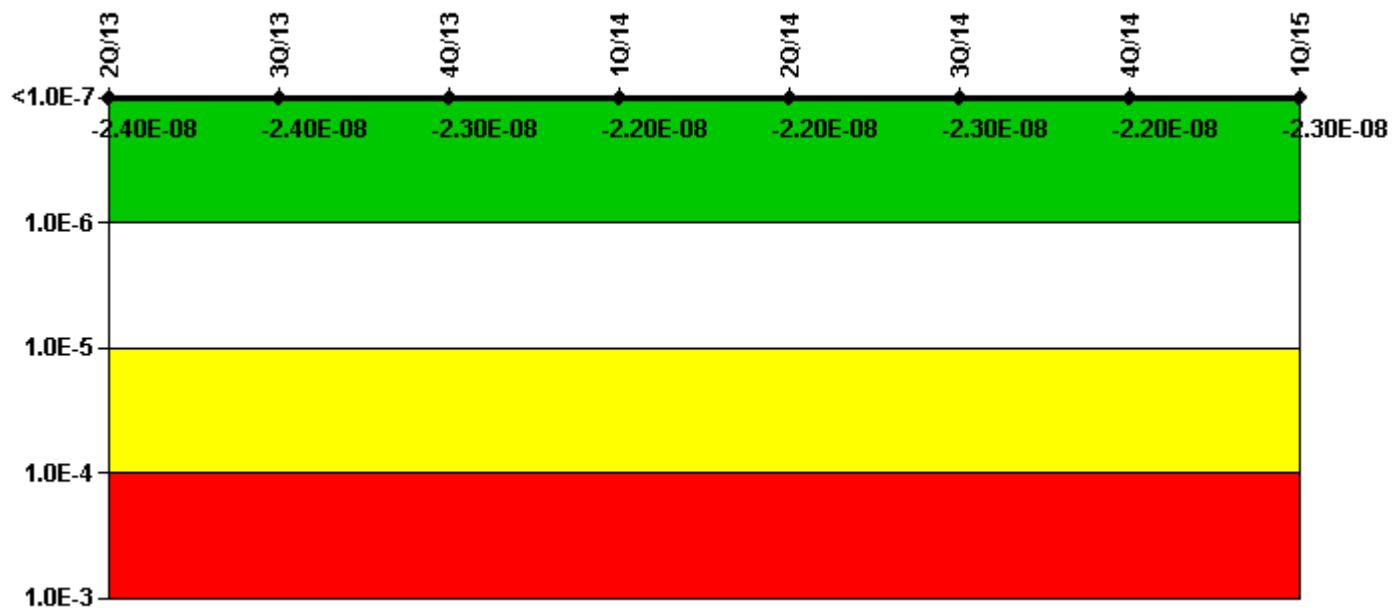
Notes

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

Licensee Comments:

2Q/13: April 2013 - Licensee Event Report 50-368/2013-002-00: Emergency Control Room Chiller Inoperability.
 May 2013 - Licensee Event Report 50-313/2013-001-00: ANO-1 Main Generator Stator Temporary Lift Assembly Failure

Mitigating Systems Performance Index, Emergency AC Power System



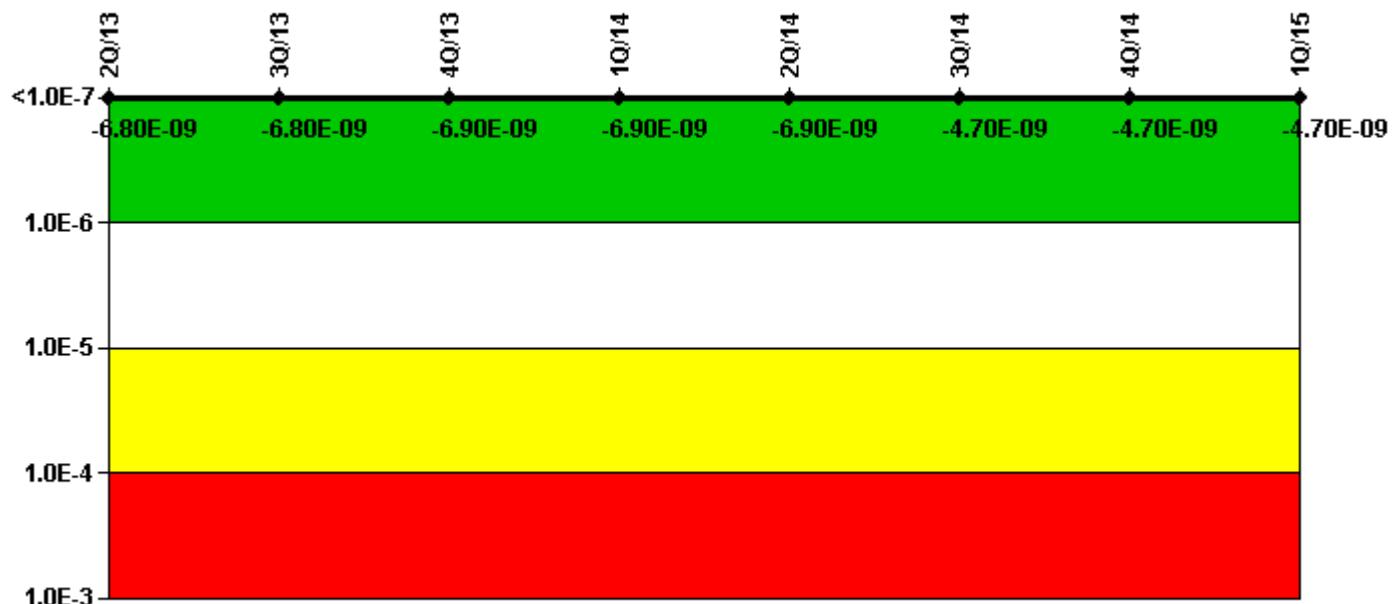
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (Δ CDF)	-2.42E-09	-2.20E-09	-1.98E-09	-6.29E-10	-6.26E-10	-2.20E-09	-2.21E-09	-2.20E-09
URI (Δ CDF)	-2.17E-08	-2.18E-08	-2.14E-08	-2.16E-08	-2.17E-08	-2.11E-08	-2.03E-08	-2.04E-08
PLE	NO							
Indicator value	-2.40E-08	-2.40E-08	-2.30E-08	-2.20E-08	-2.20E-08	-2.30E-08	-2.20E-08	-2.30E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



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

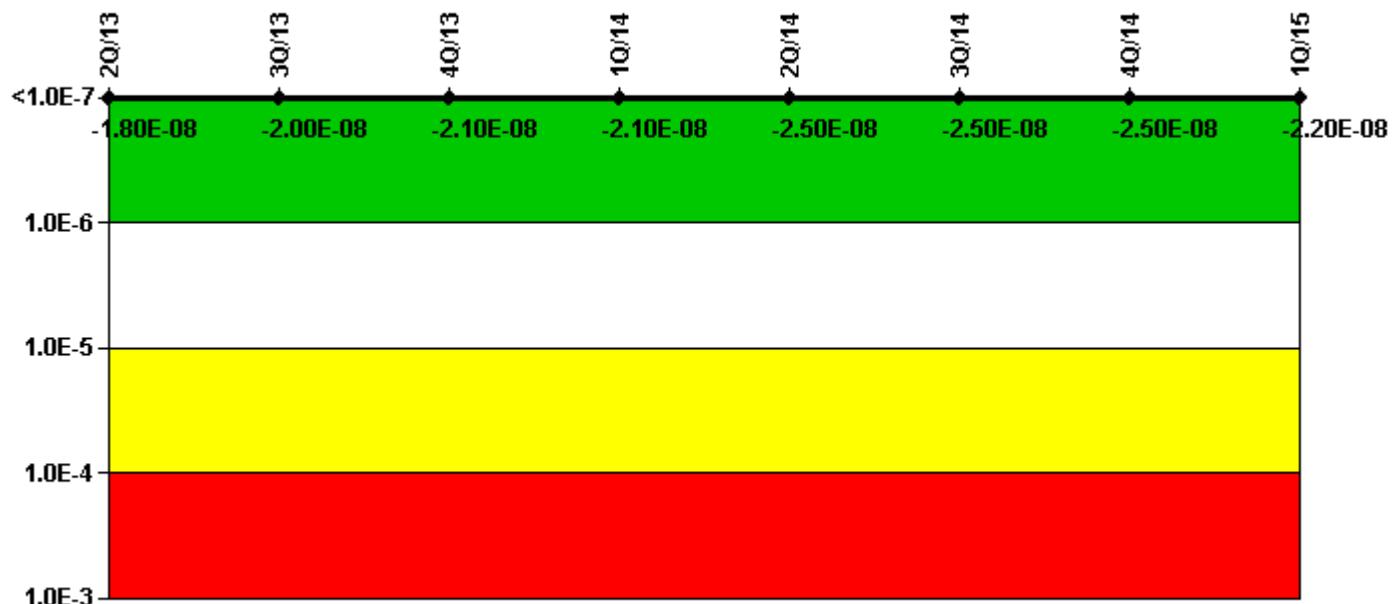
Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (Δ CDF)	-7.71E-12	-4.32E-12	-8.30E-12	-8.30E-12	-8.30E-12	-8.24E-12	-8.34E-12	-8.24E-12
URI (Δ CDF)	-6.78E-09	-6.82E-09	-6.90E-09	-6.93E-09	-6.94E-09	-4.66E-09	-4.67E-09	-4.67E-09
PLE	NO							
Indicator value	-6.80E-09	-6.80E-09	-6.90E-09	-6.90E-09	-6.90E-09	-4.70E-09	-4.70E-09	-4.70E-09

Licensee Comments:

3Q/14: ANO-1 HPI Reliability for P36A in August was revised. Oper Non-Test demands and Run Hours were originally reported under Test. This change does not affect the color of this indicator.

Mitigating Systems Performance Index, Heat Removal System



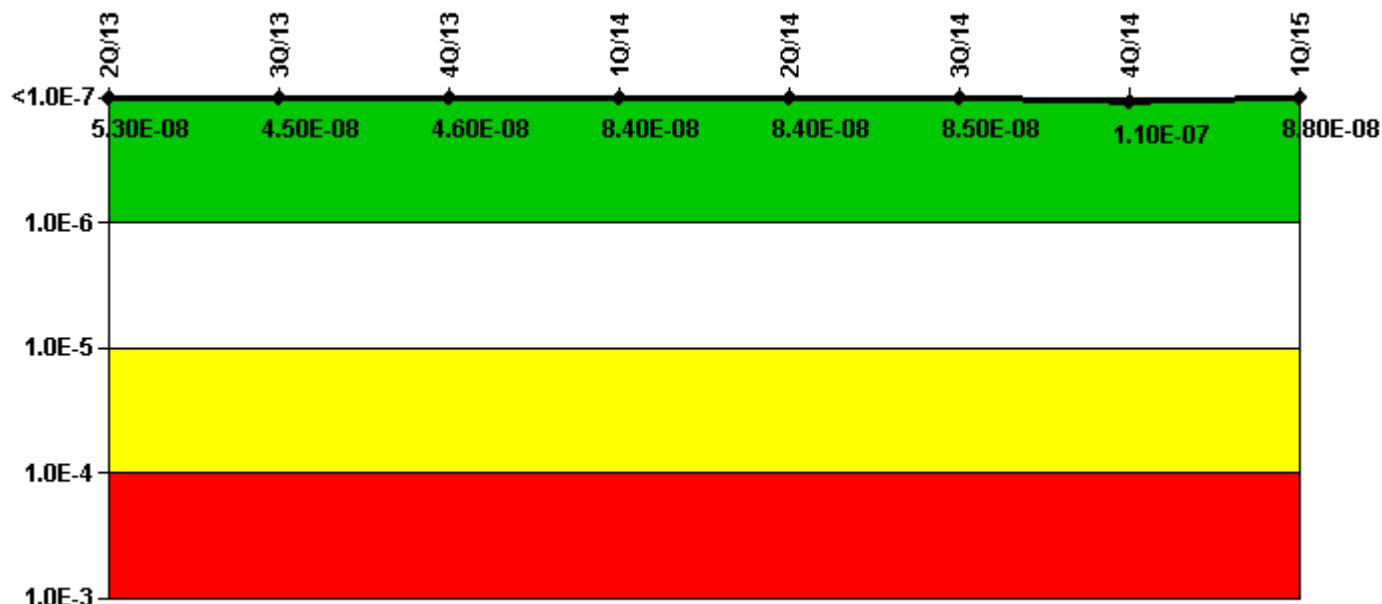
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	7.53E-09	3.87E-09	1.29E-09	4.28E-10	-3.29E-09	-4.02E-09	-4.59E-09	5.76E-10
URI (Δ CDF)	-2.58E-08	-2.35E-08	-2.28E-08	-2.17E-08	-2.17E-08	-2.06E-08	-2.01E-08	-2.22E-08
PLE	NO							
Indicator value	-1.80E-08	-2.00E-08	-2.10E-08	-2.10E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.20E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



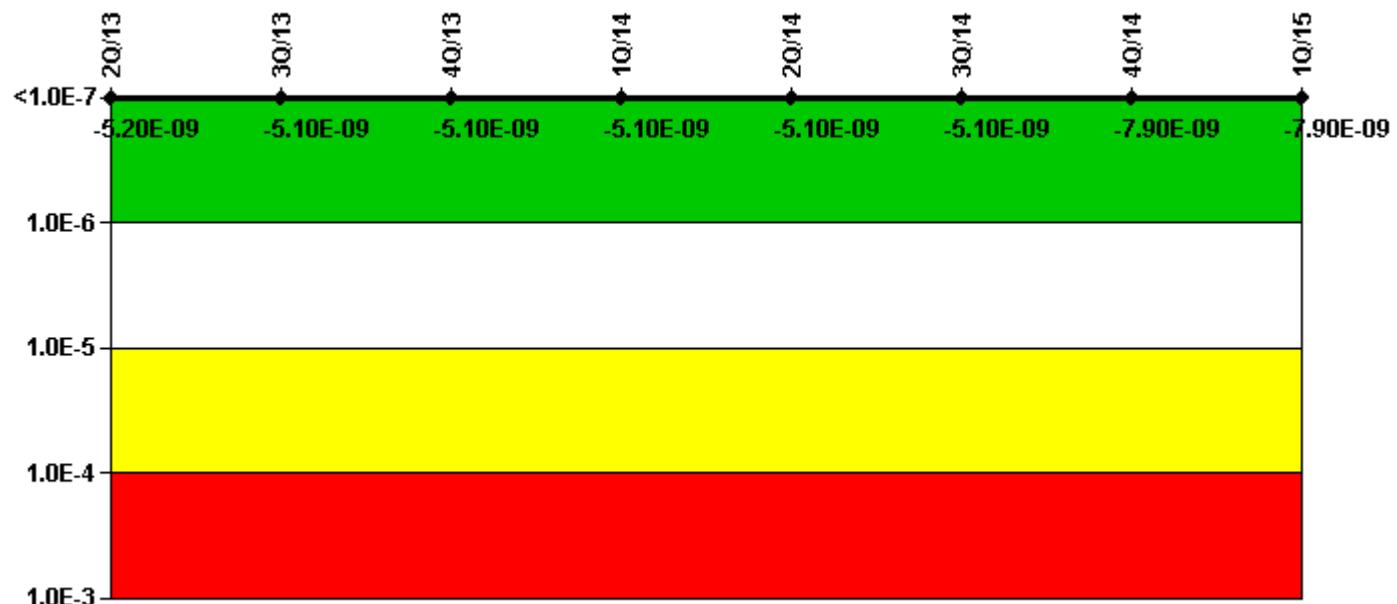
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (Δ CDF)	5.45E-09	8.16E-09	8.16E-09	4.62E-08	4.66E-08	4.73E-08	5.58E-08	5.09E-08
URI (Δ CDF)	4.75E-08	3.73E-08	3.76E-08	3.76E-08	3.76E-08	3.73E-08	5.08E-08	3.66E-08
PLE	NO							
Indicator value	5.30E-08	4.50E-08	4.60E-08	8.40E-08	8.40E-08	8.50E-08	1.10E-07	8.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



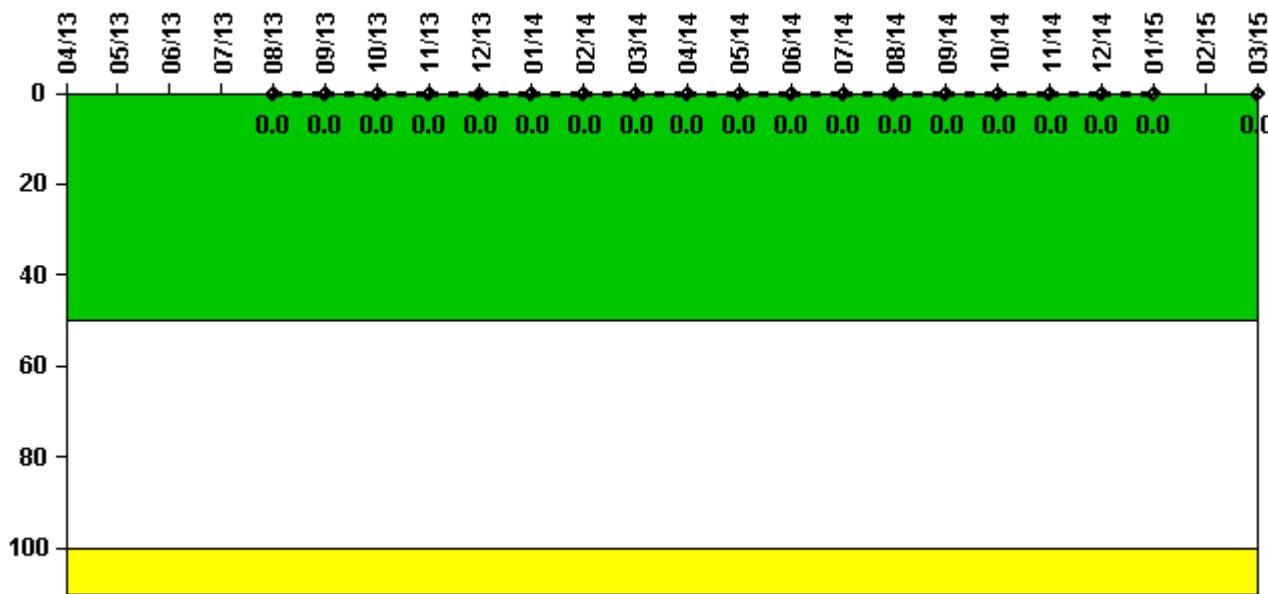
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
UAI (Δ CDF)	-3.49E-09	-3.39E-09						
URI (Δ CDF)	-1.72E-09	-1.70E-09	-1.71E-09	-1.71E-09	-1.71E-09	-1.67E-09	-4.48E-09	-4.48E-09
PLE	NO							
Indicator value	-5.20E-09	-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09	-7.90E-09	-7.90E-09

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

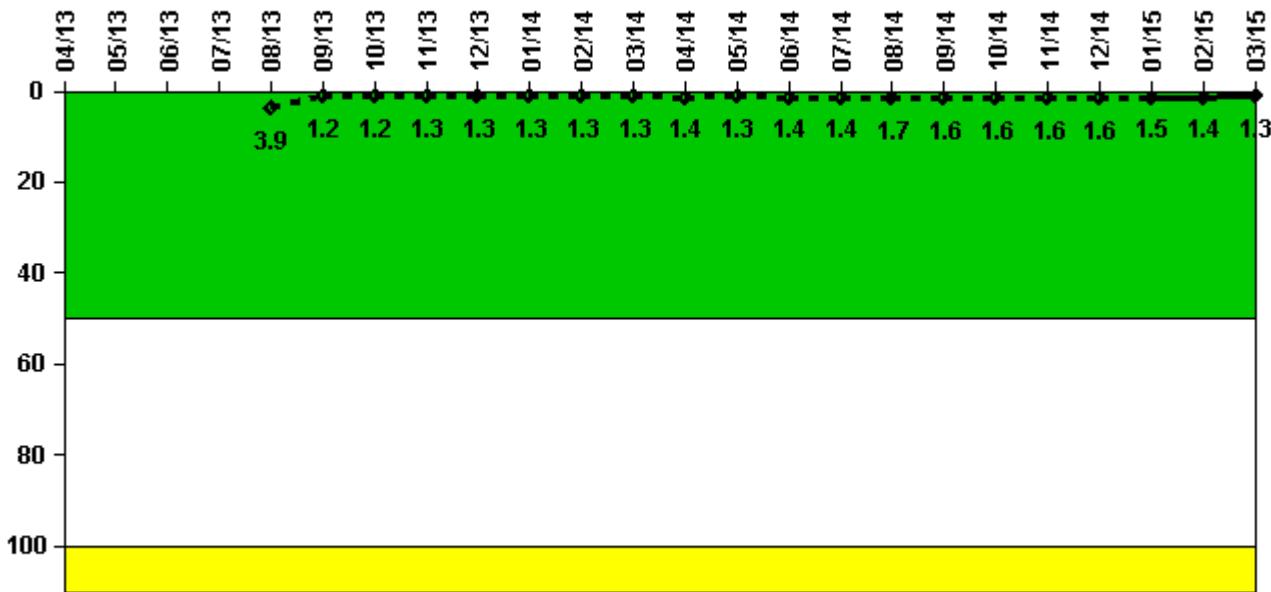
Reactor Coolant System Activity		4/13	5/13	6/13	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14
Maximum activity		N/A	N/A	N/A	N/A	0.000066	0.000066	0.000066	0.000076	0.000089	0.000082	0.000084	0.000161
Technical specification limit		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value		N/A	N/A	N/A	N/A	0	0						
Reactor Coolant System Activity		4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15
Maximum activity		0.000084	0.000063	0.000090	0.000142	0.000103	0.000157	0.000160	0.000185	0.000144	0.000149	N/A	0.000049
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	0	0	0	N/A	0

Licensee Comments:

9/13: ANO-1 was off line the entire month of July.

6/13: ANO-1 was off line for the entire second quarter 2013.

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	N/A	N/A	N/A	N/A	0.389	0.123	0.115	0.128	0.132	0.128	0.128	0.127
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	N/A	N/A	N/A	3.9	1.2	1.2	1.3	1.3	1.3	1.3	1.3
Reactor Coolant System Leakage	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15
Maximum leakage	0.137	0.125	0.138	0.135	0.165	0.164	0.159	0.160	0.159	0.148	0.135	0.127
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	1.4	1.7	1.6	1.6	1.6	1.6	1.5	1.4	1.3

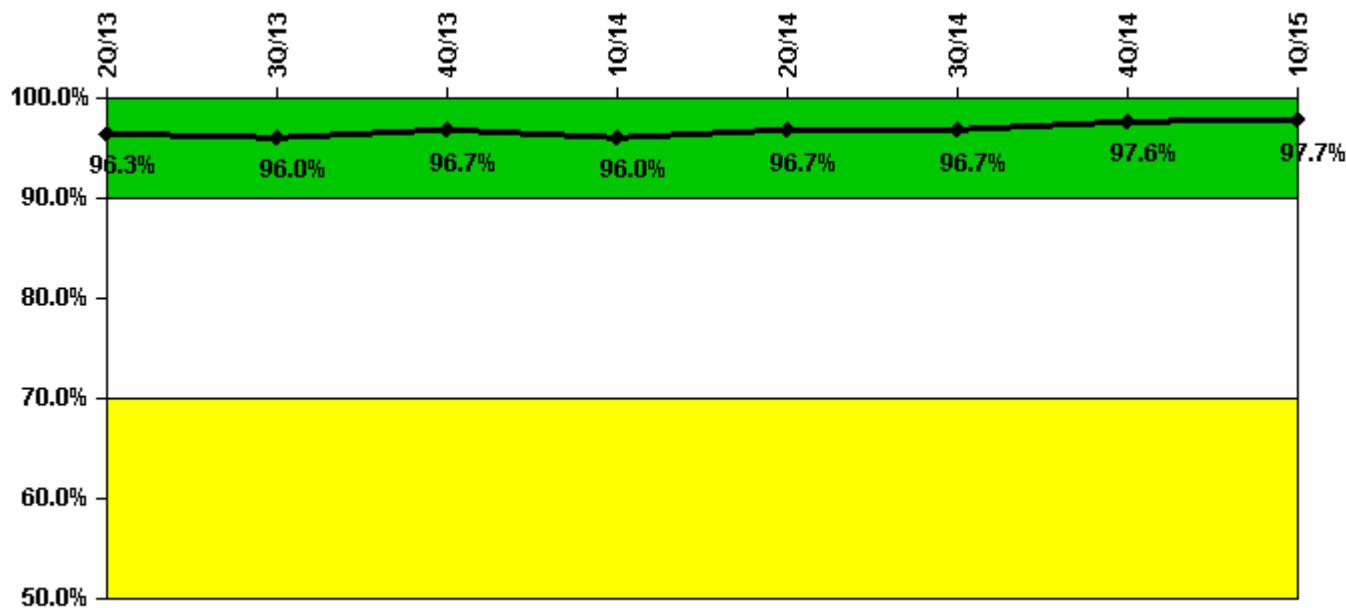
Licensee Comments:

12/13: Total Leakage is being reported in lieu of Identified Leakage.

9/13: Total Leakage is being reported in lieu of Identified Leakage. ANO-1 was off line the entire month of July.

6/13: ANO-1 was off line for the entire second quarter 2013.

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	8.0	51.0	50.0	51.0	45.0	108.0	61.0	16.0
Total opportunities	8.0	53.0	51.0	54.0	45.0	111.0	61.0	16.0
Indicator value	96.3%	96.0%	96.7%	96.0%	96.7%	96.7%	97.6%	97.7%

Licensee Comments:

3Q/14: The September Drill / Exercise Performance was revised to included three notification communicator drills. This change dose not affect the color of this indicator.

2Q/14: Change to correct counting of the number of drills performed in the 2nd qtr. (Changed October 2014 does not affect the color of this indicator)

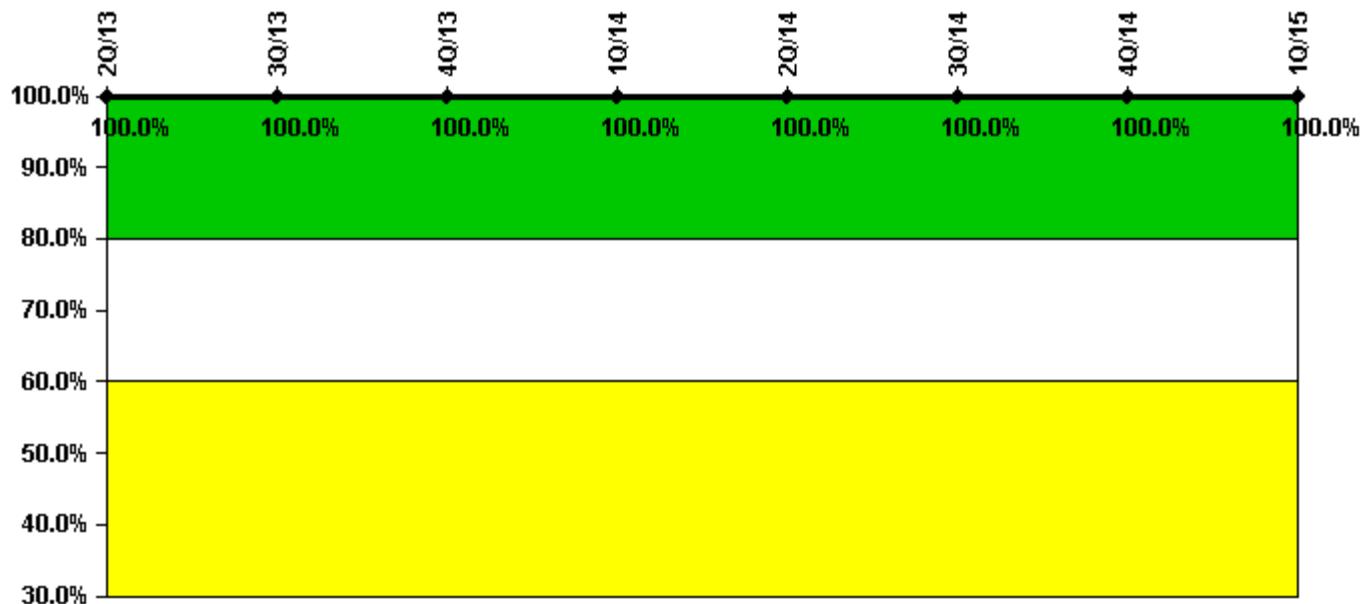
1Q/14: SM Classification failure during 2/25/2014 simulator set. EOF notification failure during 3/19/2014 full scale drill. EOF PAR failure furing 3/19/2014 full scale drill. (Changed October 2014 does not affect the color of this indicator)

4Q/13: Change to correct counting of the number of drills performed in the 4th qtr.

3Q/13: Change to correct counting of the number of drills performed in the 3rd qtr.

3Q/13: In January of 2014, five drills that were not previously counted were added to the 3rd Quarter 2013 Emergency Preparedness data.

ERO Drill Participation



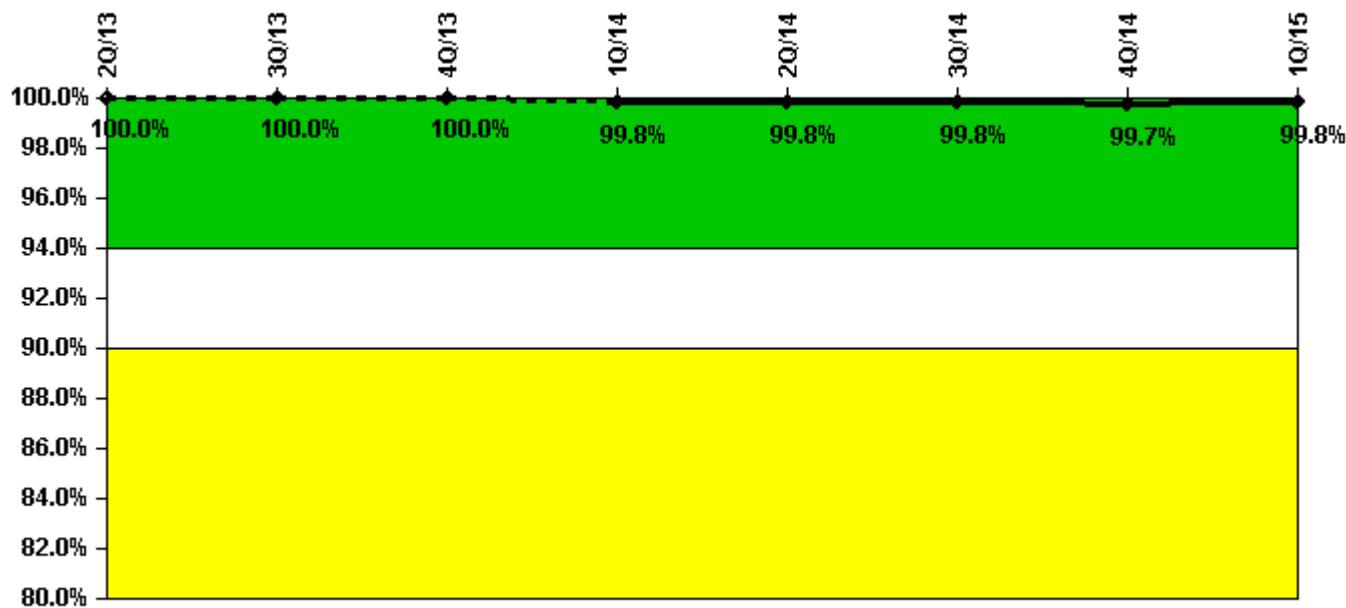
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Participating Key personnel	81.0	98.0	99.0	103.0	118.0	119.0	116.0	113.0
Total Key personnel	81.0	98.0	99.0	103.0	118.0	119.0	116.0	113.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

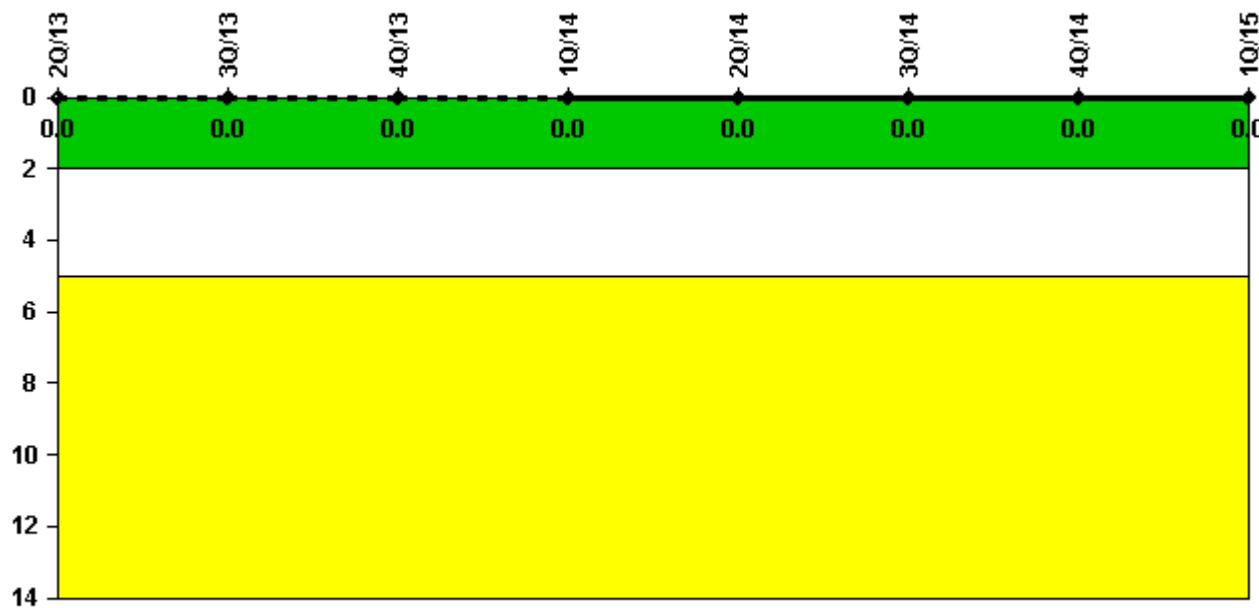
Alert & Notification System	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Successful siren-tests	147	146	147	146	147	147	146	147
Total sirens-tests	147	146	147	147	147	147	147	147
Indicator value	100.0%	100.0%	100.0%	99.8%	99.8%	99.8%	99.7%	99.8%

Licensee Comments:

1Q/14: February 2014 - 2z7 failed the initial siren test. Additional checks were performed and the siren tested sat. It also tested sat in March 2014 test. (CR-ANO-C-2014-02471) (Changed October 2014 does not affect the color of this indicator)

3Q/13: September 2013 -siren 3z5 did not appear on the test form. It could not be determined if the siren was actually rested, due to the length of time between testing and identification of the miss. Therefore, this siren is being removed from consideration in the ANS testing. (CR-ANO-C-2014-02471) (Changed October 2014 does not affect the color of this indicator)

Occupational Exposure Control Effectiveness

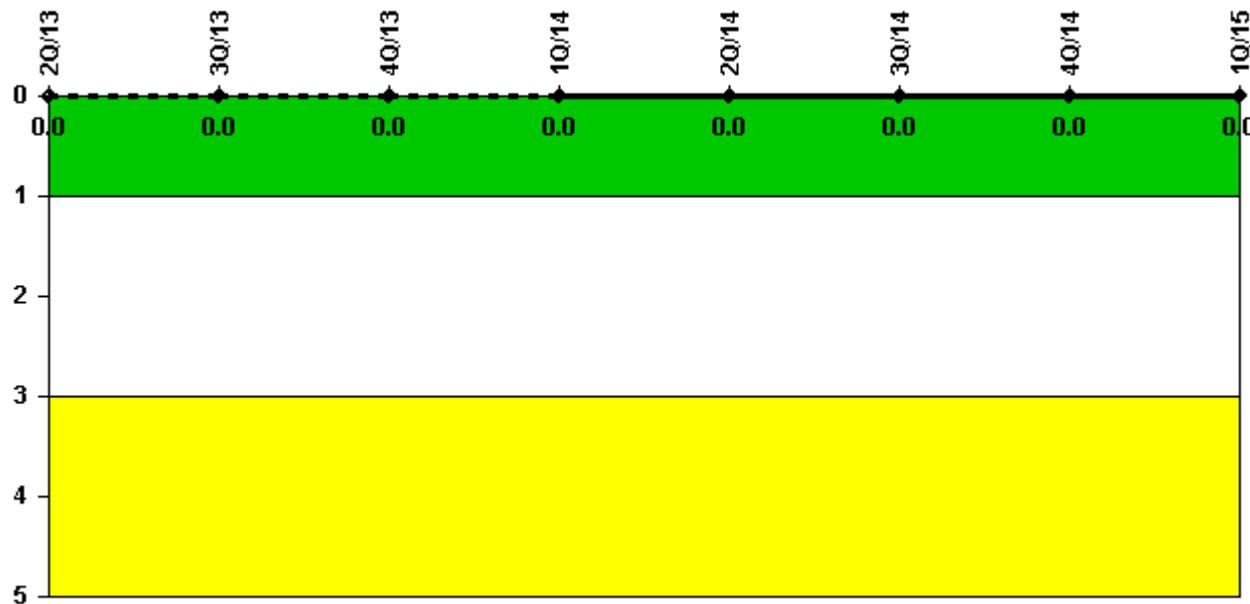


Thresholds: White > 2.0 Yellow > 5.0

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

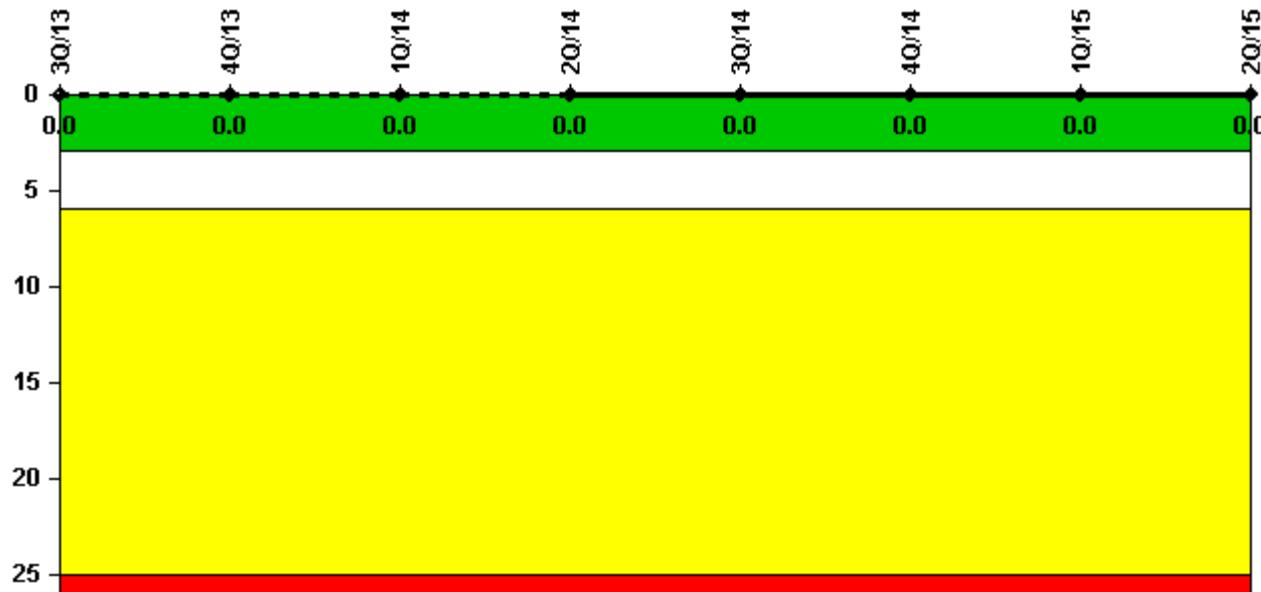
Arkansas Nuclear 1

2Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



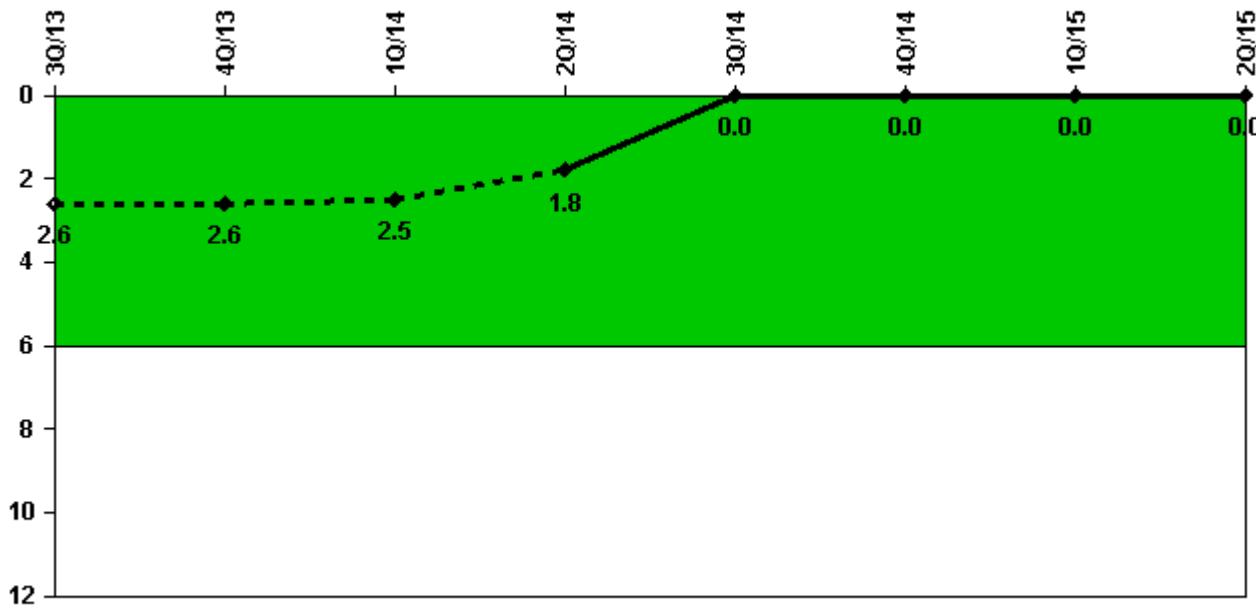
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0
Critical hours	1288.6	2209.0	2159.0	2184.0	2208.0	2209.0	1339.4	2184.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

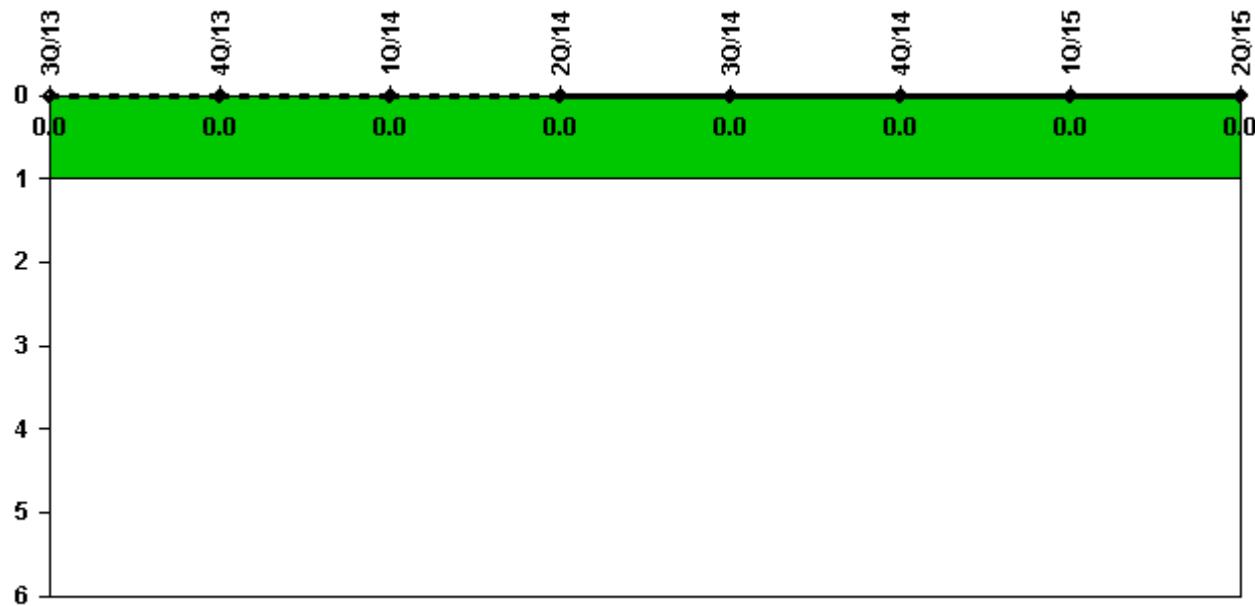


Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Unplanned power changes	2.0	0	0	0	0	0	0	0
Critical hours	1288.6	2209.0	2159.0	2184.0	2208.0	2209.0	1339.4	2184.0
Indicator value	2.6	2.6	2.5	1.8	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications

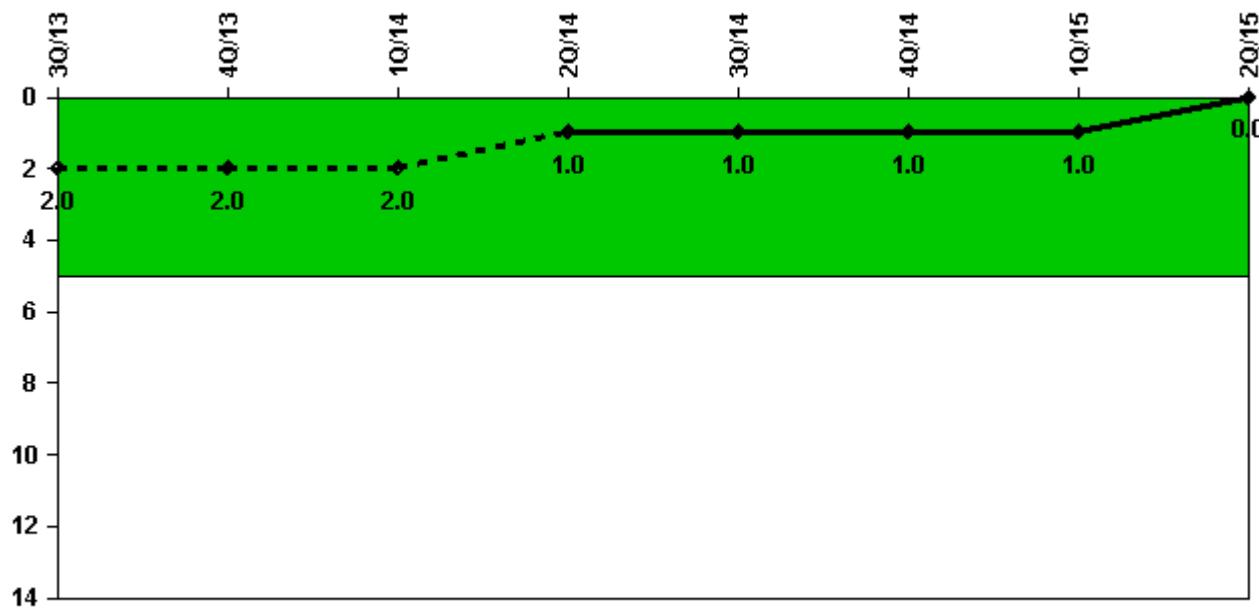
Thresholds: White > 1.0

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)



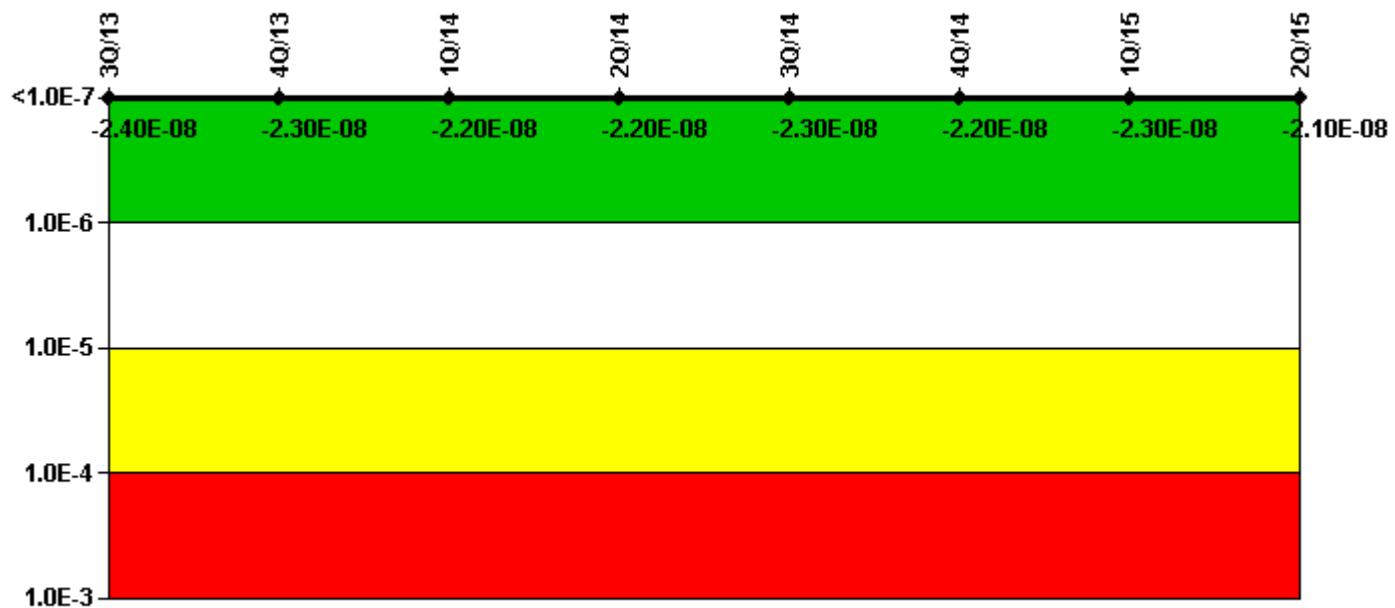
Thresholds: White > 5.0

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



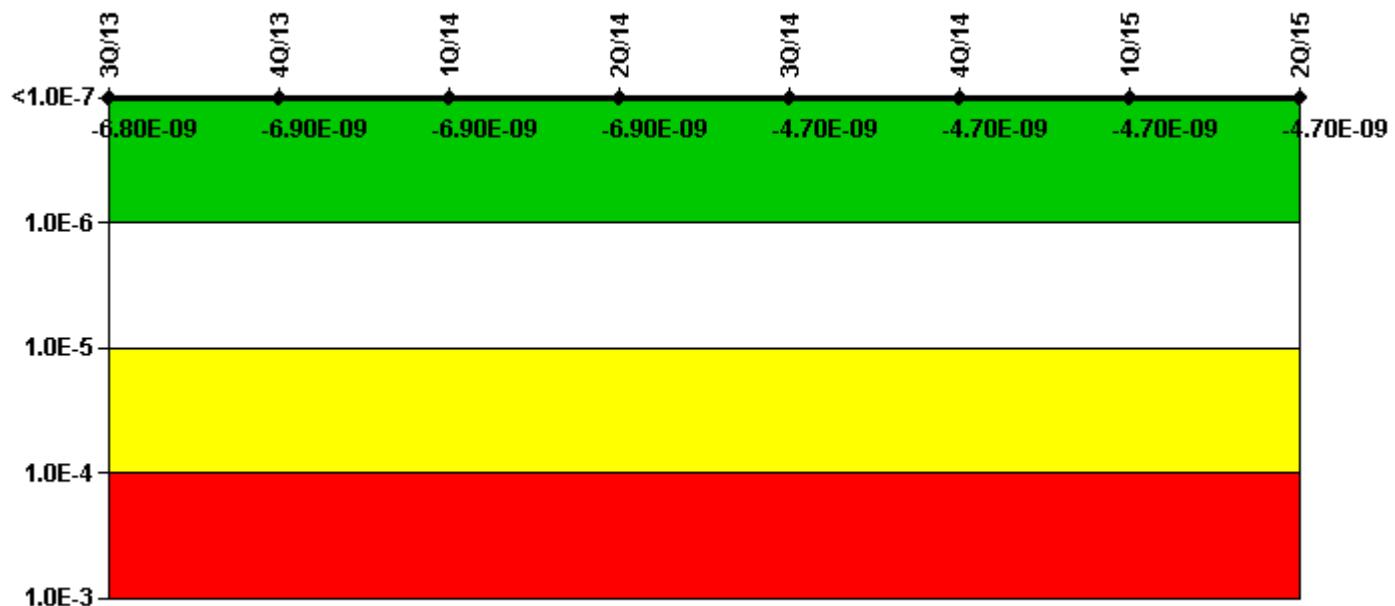
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (Δ CDF)	-2.20E-09	-1.98E-09	-6.29E-10	-6.26E-10	-2.20E-09	-2.21E-09	-2.20E-09	-9.63E-10
URI (Δ CDF)	-2.18E-08	-2.14E-08	-2.16E-08	-2.17E-08	-2.11E-08	-2.03E-08	-2.04E-08	-2.05E-08
PLE	NO							
Indicator value	-2.40E-08	-2.30E-08	-2.20E-08	-2.20E-08	-2.30E-08	-2.20E-08	-2.30E-08	-2.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



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

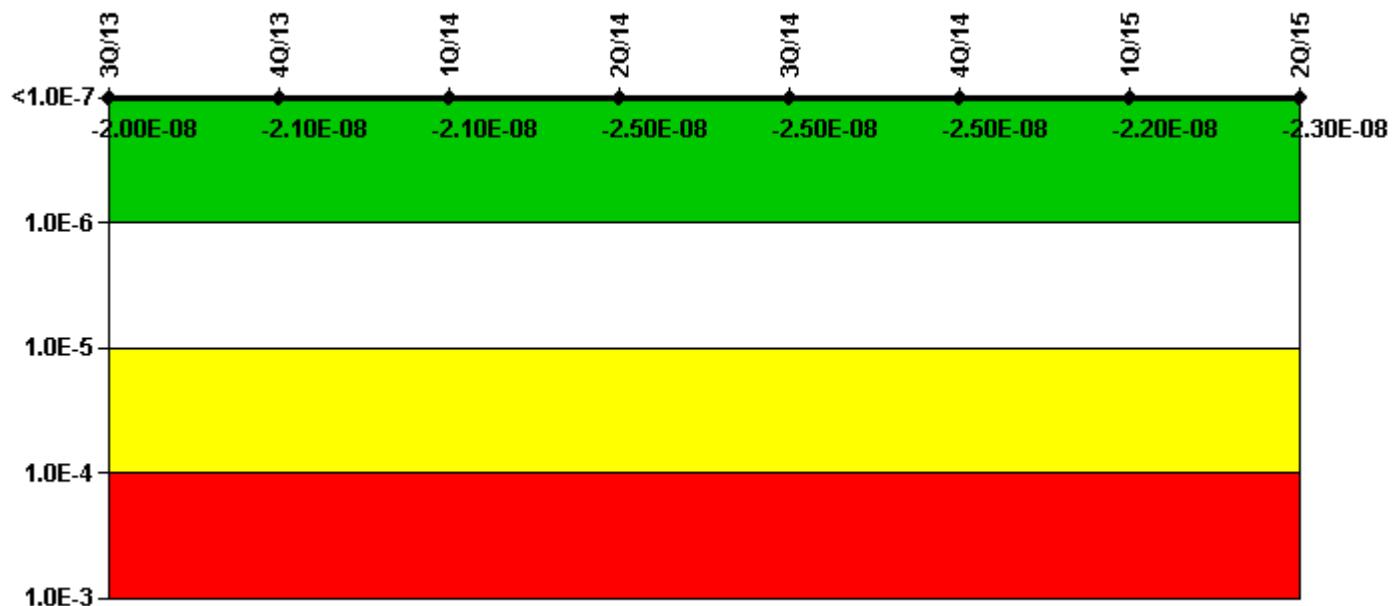
Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (Δ CDF)	-4.32E-12	-8.30E-12	-8.30E-12	-8.30E-12	-8.24E-12	-8.34E-12	-8.24E-12	-8.24E-12
URI (Δ CDF)	-6.82E-09	-6.90E-09	-6.93E-09	-6.94E-09	-4.66E-09	-4.67E-09	-4.67E-09	-4.67E-09
PLE	NO							
Indicator value	-6.80E-09	-6.90E-09	-6.90E-09	-6.90E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09

Licensee Comments:

3Q/14: ANO-1 HPI Reliability for P36A in August was revised. Oper Non-Test demands and Run Hours were originally reported under Test. This change does not affect the color of this indicator.

Mitigating Systems Performance Index, Heat Removal System



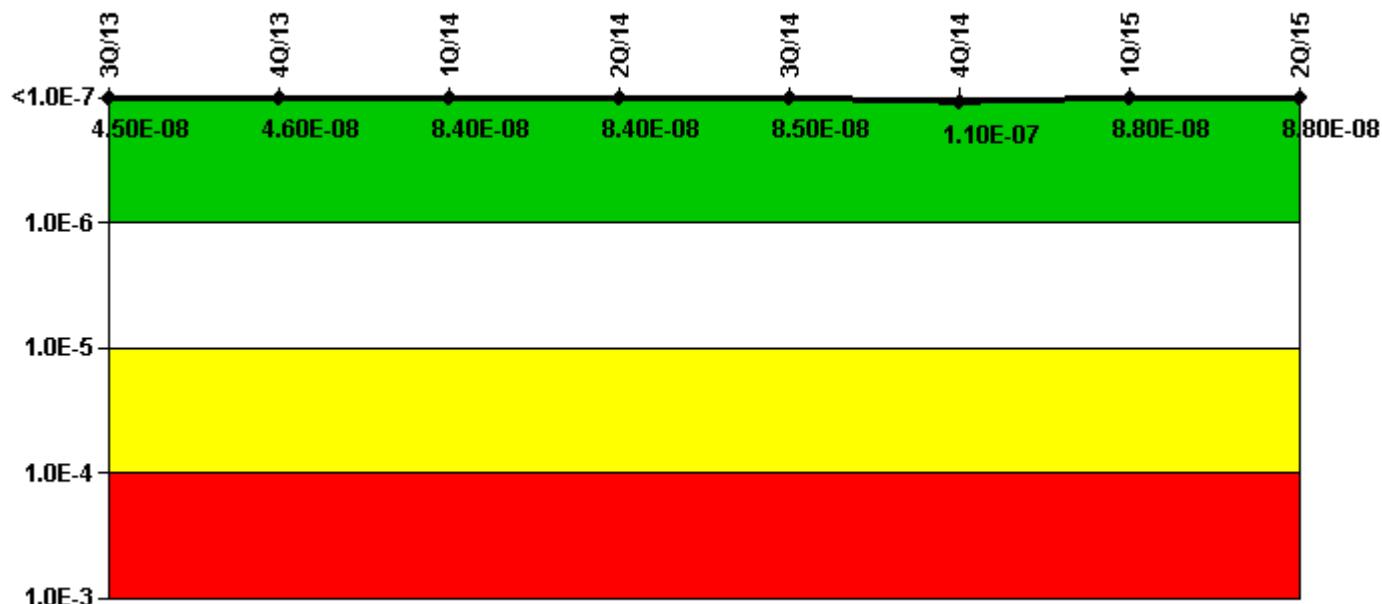
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	3.87E-09	1.29E-09	4.28E-10	-3.29E-09	-4.02E-09	-4.59E-09	5.76E-10	-1.14E-09
URI (Δ CDF)	-2.35E-08	-2.28E-08	-2.17E-08	-2.17E-08	-2.06E-08	-2.01E-08	-2.22E-08	-2.22E-08
PLE	NO							
Indicator value	-2.00E-08	-2.10E-08	-2.10E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.20E-08	-2.30E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



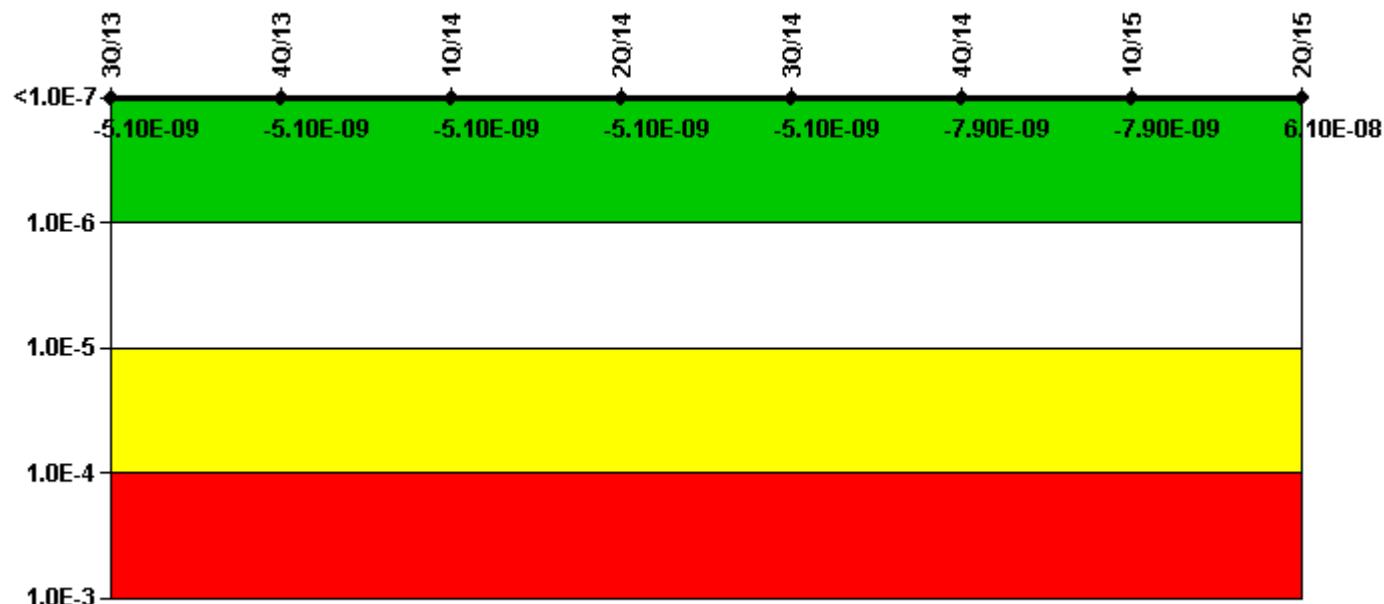
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (Δ CDF)	8.16E-09	8.16E-09	4.62E-08	4.66E-08	4.73E-08	5.58E-08	5.09E-08	5.09E-08
URI (Δ CDF)	3.73E-08	3.76E-08	3.76E-08	3.76E-08	3.73E-08	5.08E-08	3.66E-08	3.66E-08
PLE	NO							
Indicator value	4.50E-08	4.60E-08	8.40E-08	8.40E-08	8.50E-08	1.10E-07	8.80E-08	8.80E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



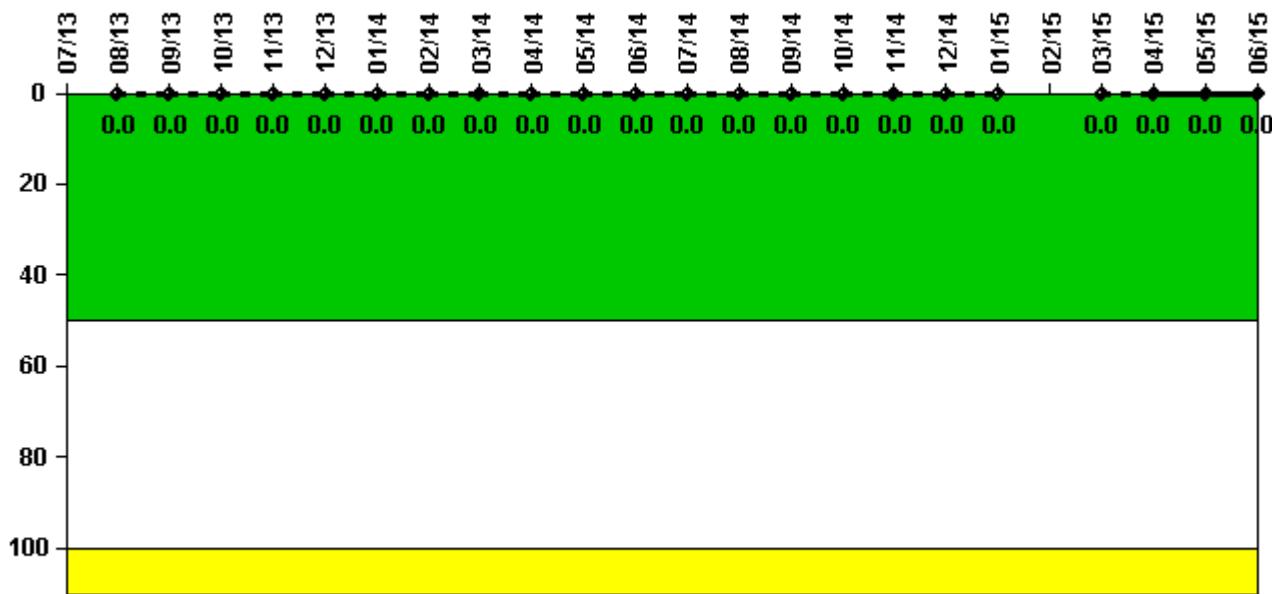
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
UAI (Δ CDF)	-3.39E-09	-3.39E-09						
URI (Δ CDF)	-1.70E-09	-1.71E-09	-1.71E-09	-1.71E-09	-1.67E-09	-4.48E-09	-4.48E-09	6.47E-08
PLE	NO	NO						
Indicator value	-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09	-7.90E-09	-7.90E-09	6.10E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

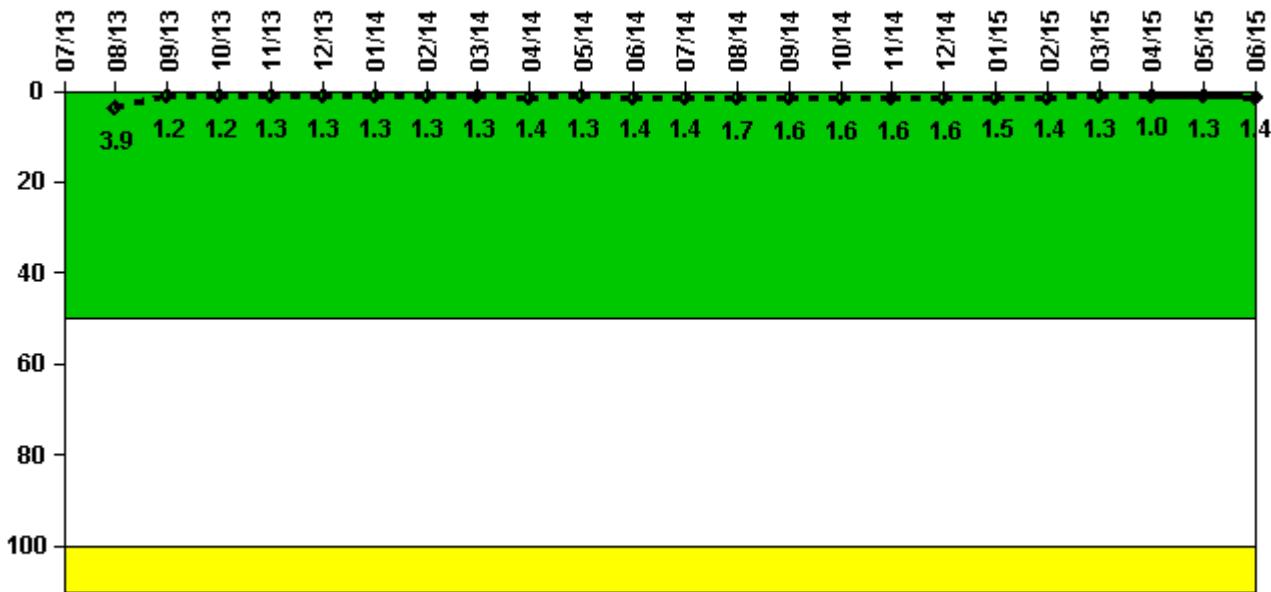
Reactor Coolant System Activity	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum activity	N/A	0.000066	0.000066	0.000066	0.000076	0.000089	0.000082	0.000084	0.000161	0.000084	0.000063	0.000090
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	N/A	0	0	0	0	0	0	0	0	0	0	0

Reactor Coolant System Activity	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum activity	0.000142	0.000103	0.000157	0.000160	0.000185	0.000144	0.000149	N/A	0.000049	0.000053	0.000058	0.000216
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

Licensee Comments:

9/13: ANO-1 was off line the entire month of July.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

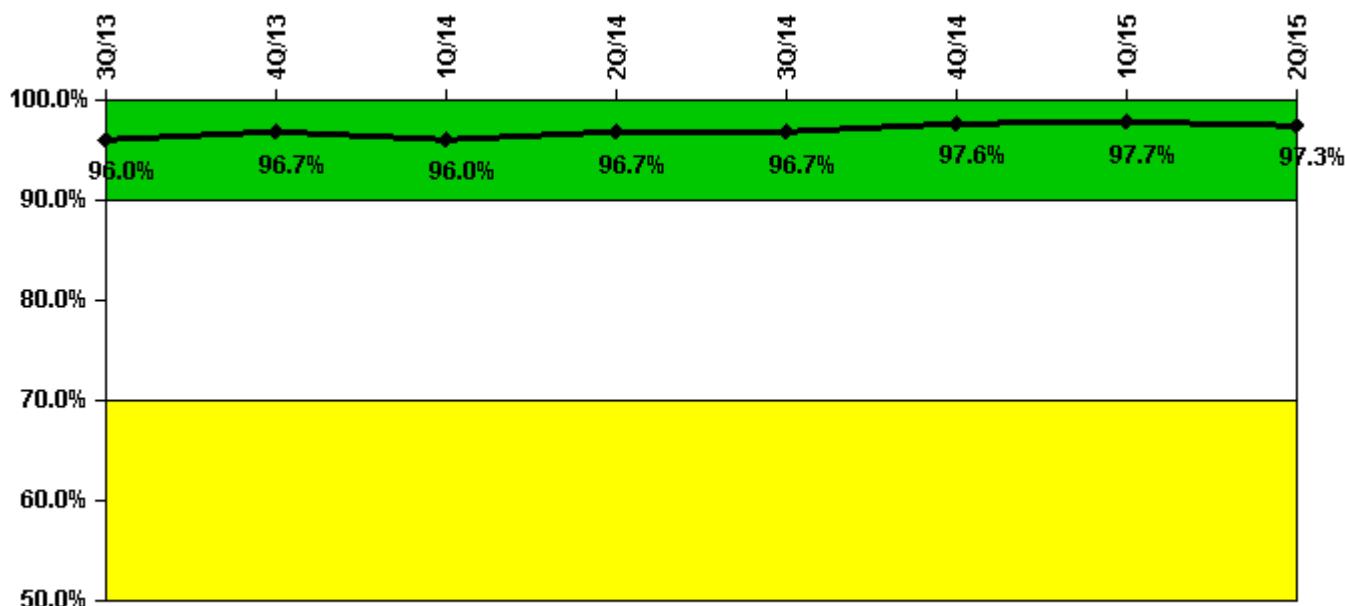
Reactor Coolant System Leakage	7/13	8/13	9/13	10/13	11/13	12/13	1/14	2/14	3/14	4/14	5/14	6/14
Maximum leakage	N/A	0.389	0.123	0.115	0.128	0.132	0.128	0.128	0.127	0.137	0.125	0.138
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	N/A	3.9	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.4	1.3	1.4
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	0.135	0.165	0.164	0.159	0.160	0.159	0.148	0.135	0.127	0.100	0.125	0.137
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	1.7	1.6	1.6	1.6	1.6	1.5	1.4	1.3	1.0	1.3	1.4

Licensee Comments:

12/13: Total Leakage is being reported in lieu of Identified Leakage.

9/13: Total Leakage is being reported in lieu of Identified Leakage. ANO-1 was off line the entire month of July.

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	51.0	50.0	51.0	45.0	108.0	61.0	16.0	92.0
Total opportunities	53.0	51.0	54.0	45.0	111.0	61.0	16.0	96.0
Indicator value	96.0%	96.7%	96.0%	96.7%	96.7%	97.6%	97.7%	97.3%

Licensee Comments:

3Q/14: The September Drill / Exercise Performance was revised to included three notification communicator drills. This change dose not affect the color of this indicator.

2Q/14: Change to correct counting of the number of drills performed in the 2nd qtr. (Changed October 2014 does not affect the color of this indicator)

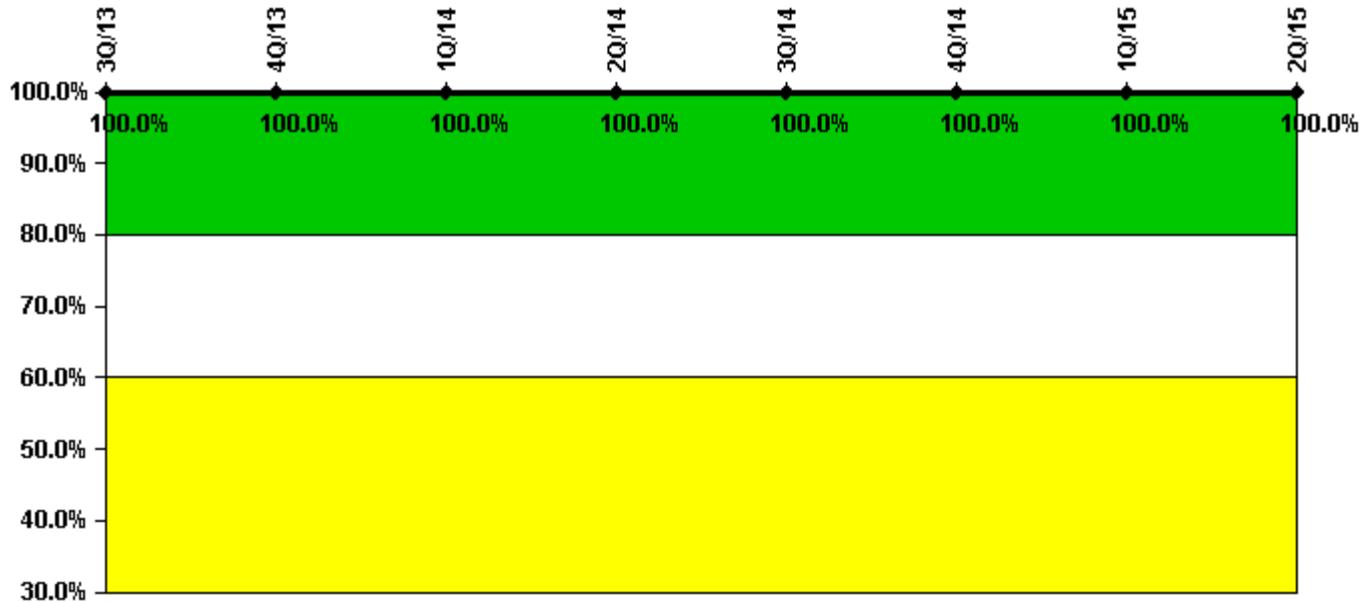
1Q/14: SM Classification failure during 2/25/2014 simulator set. EOF notification failure during 3/19/2014 full scale drill. EOF PAR failure furing 3/19/2014 full scale drill. (Changed October 2014 does not affect the color of this indicator)

4Q/13: Change to correct counting of the number of drills performed in the 4th qtr.

3Q/13: Change to correct counting of the number of drills performed in the 3rd qtr.

3Q/13: In January of 2014, five drills that were not previously counted were added to the 3rd Quarter 2013 Emergency Preparedness data.

ERO Drill Participation



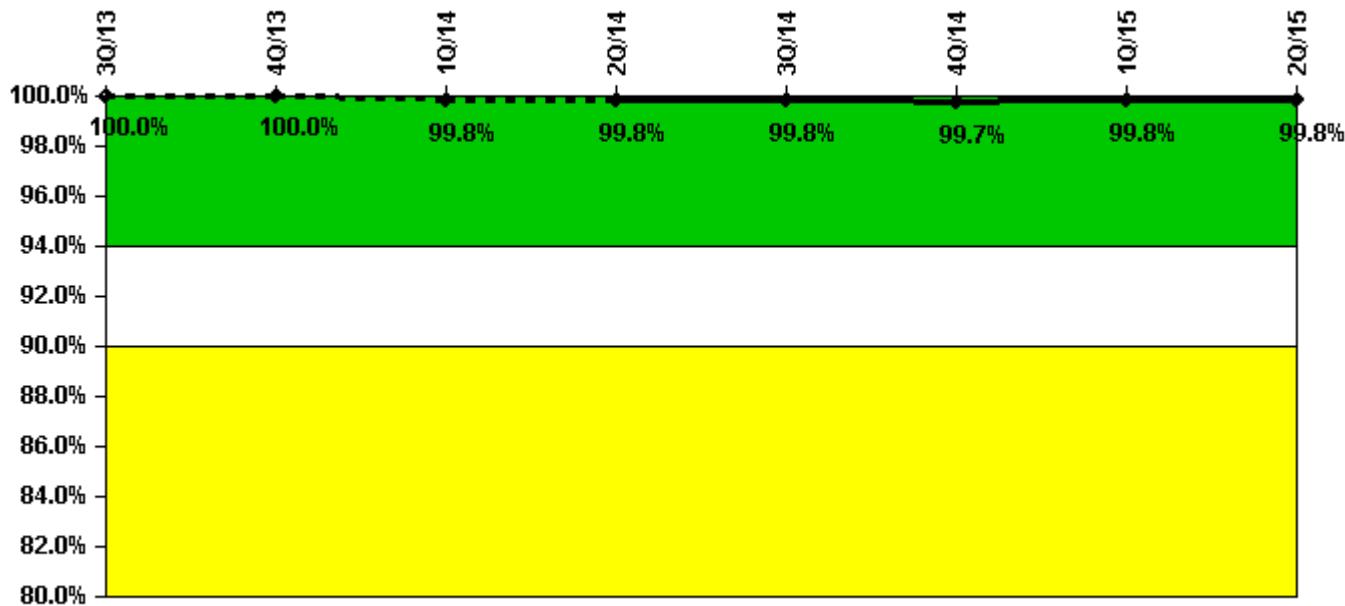
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Participating Key personnel	98.0	99.0	103.0	118.0	119.0	116.0	113.0	109.0
Total Key personnel	98.0	99.0	103.0	118.0	119.0	116.0	113.0	109.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

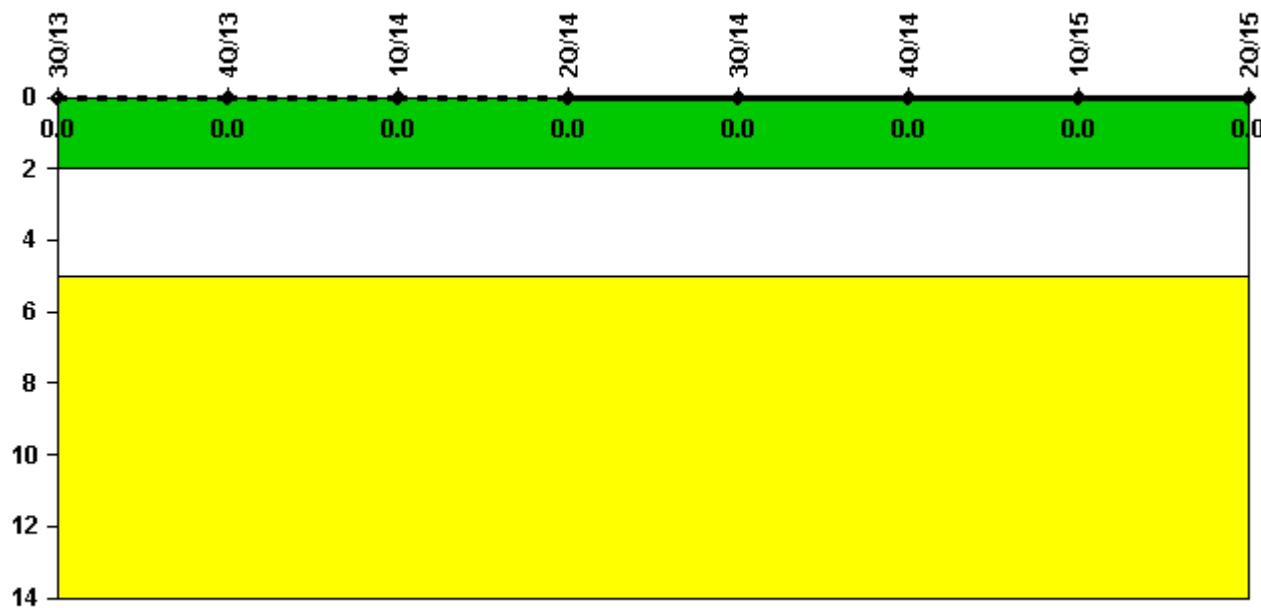
Alert & Notification System	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Successful siren-tests	146	147	146	147	147	146	147	147
Total sirens-tests	146	147	147	147	147	147	147	147
Indicator value	100.0%	100.0%	99.8%	99.8%	99.8%	99.7%	99.8%	99.8%

Licensee Comments:

1Q/14: February 2014 - 2z7 failed the initial siren test. Additional checks were performed and the siren tested sat. It also tested sat in March 2014 test. (CR-ANO-C-2014-02471) (Changed October 2014 does not affect the color of this indicator)

3Q/13: September 2013 -siren 3z5 did not appear on the test form. It could not be determined if the siren was actually rested, due to the length of time between testing and identification of the miss. Therefore, this siren is being removed from consideration in the ANS testing. (CR-ANO-C-2014-02471) (Changed October 2014 does not affect the color of this indicator)

Occupational Exposure Control Effectiveness

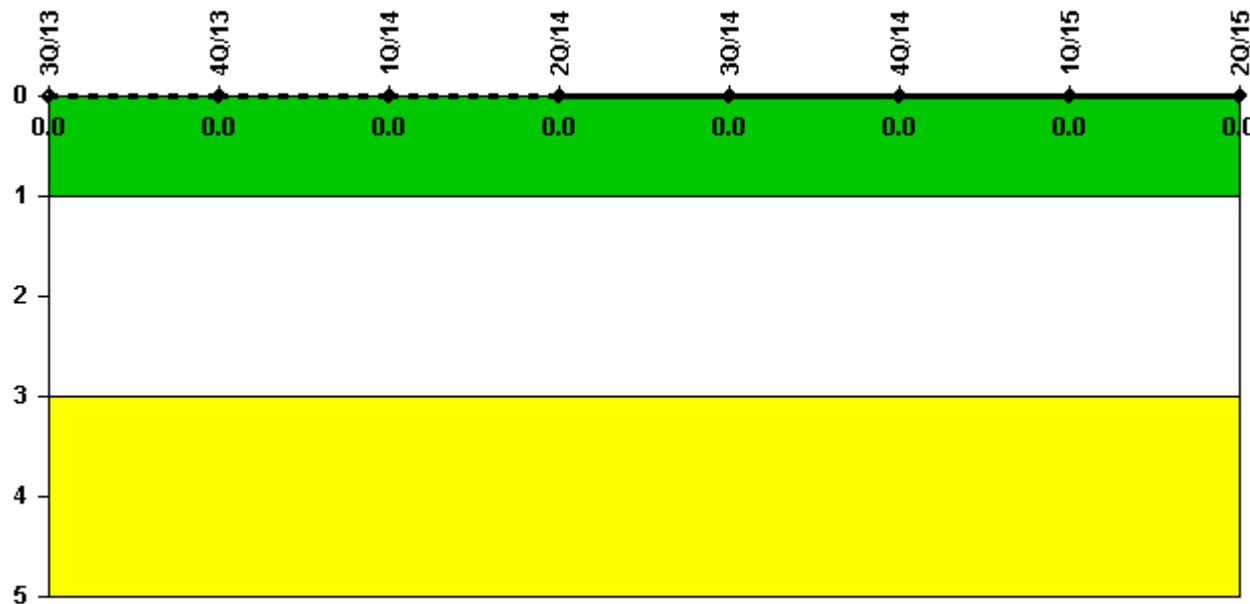


Thresholds: White > 2.0 Yellow > 5.0

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

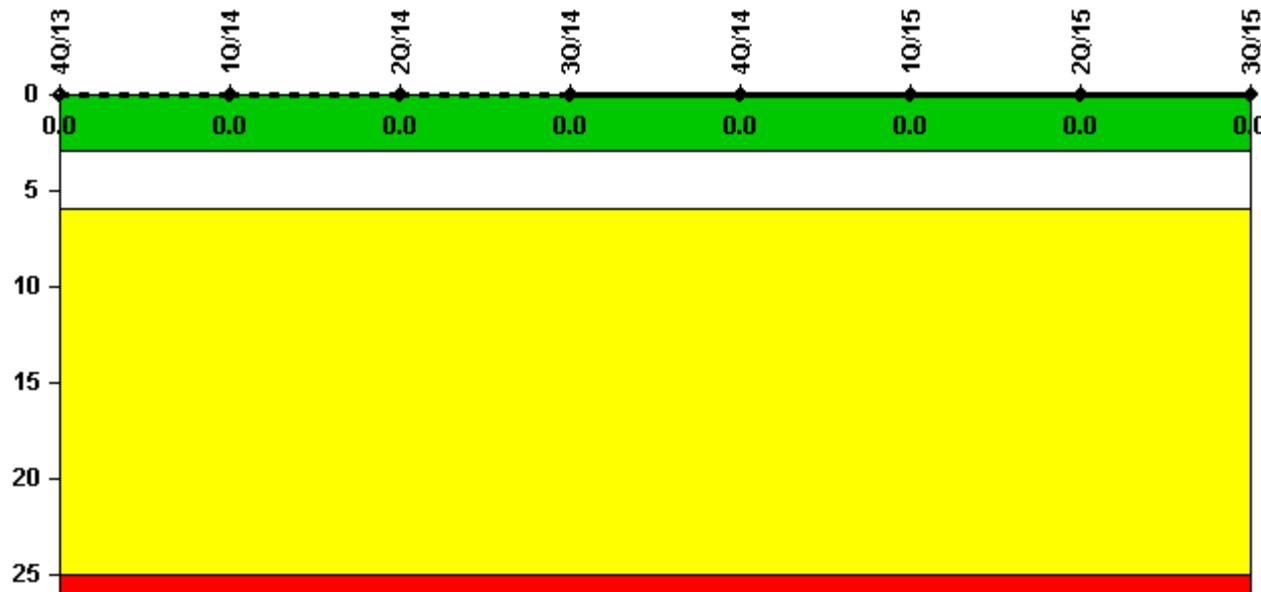
Arkansas Nuclear 1

3Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



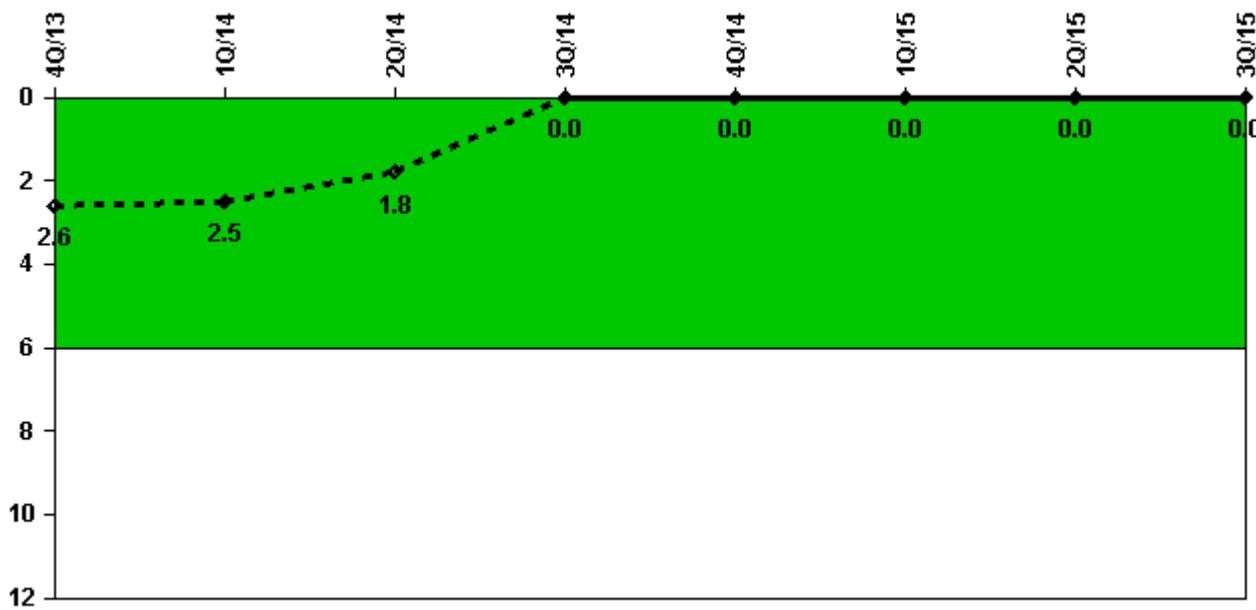
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	2209.0	1339.4	2184.0	2208.0
Indicator value	0							

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

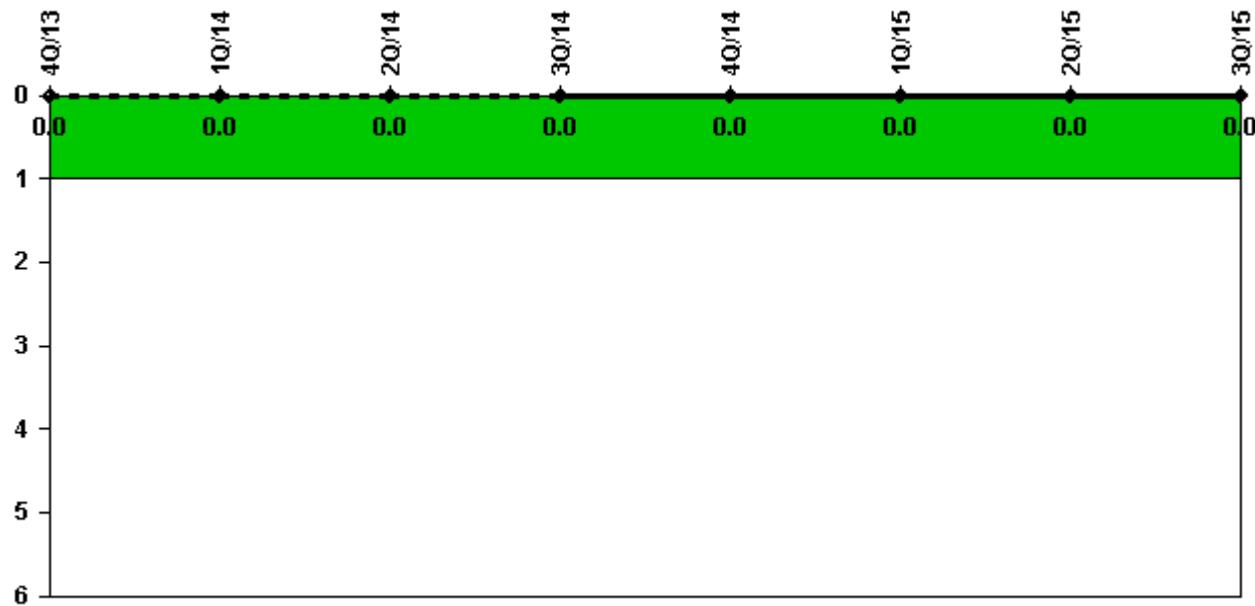


Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2208.0	2209.0	1339.4	2184.0	2208.0
Indicator value	2.6	2.5	1.8	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications

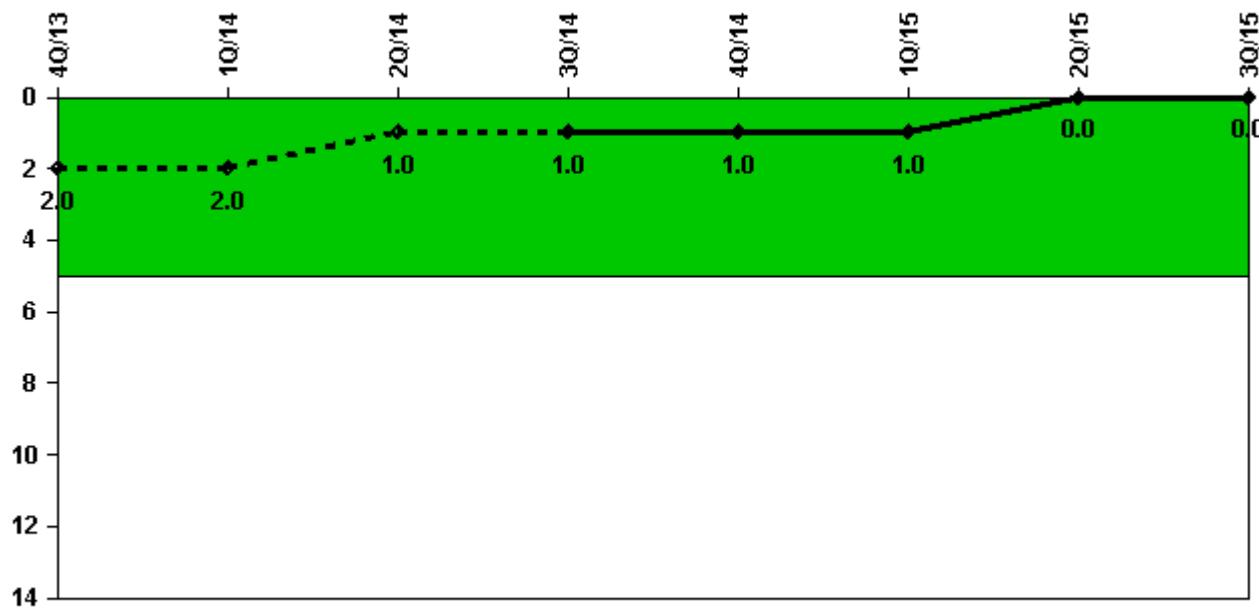
Thresholds: White > 1.0

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)



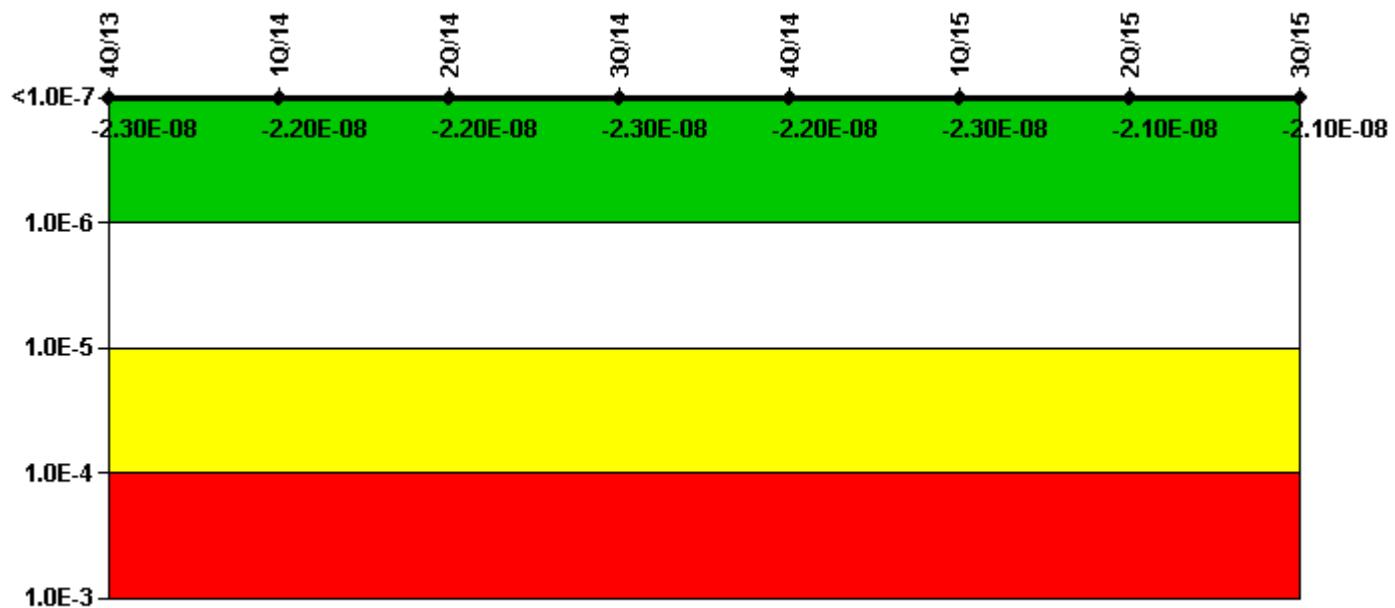
Thresholds: White > 5.0

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



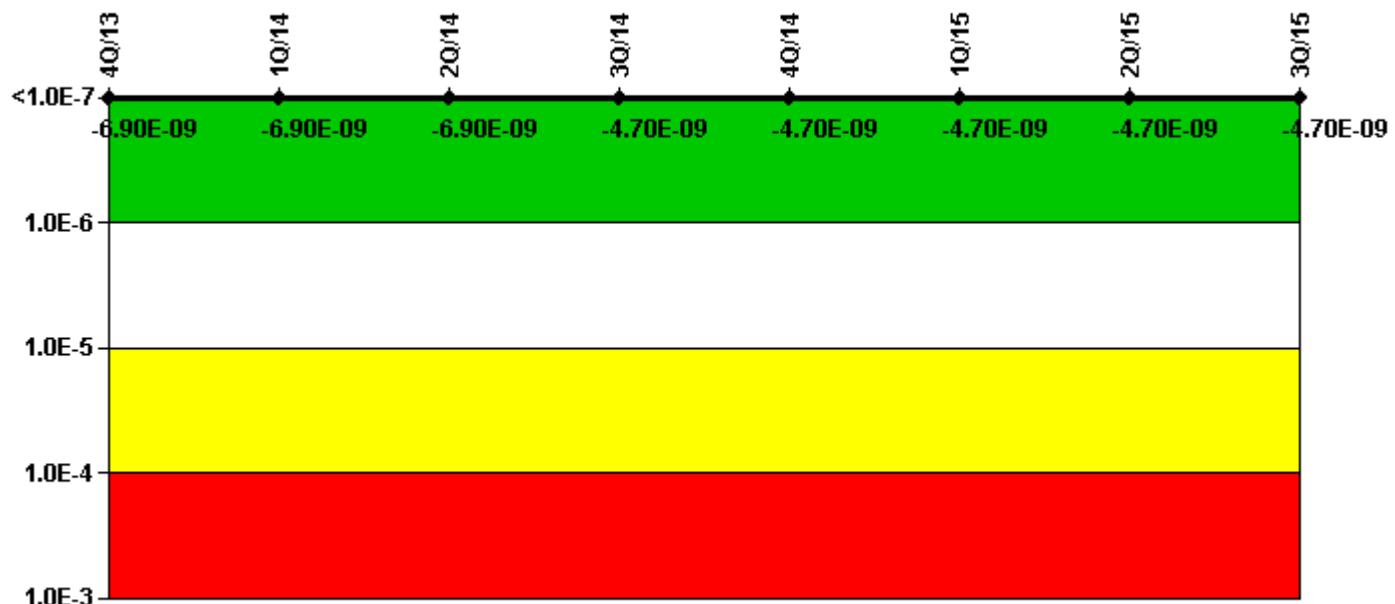
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (Δ CDF)	-1.98E-09	-6.29E-10	-6.26E-10	-2.20E-09	-2.21E-09	-2.20E-09	-9.63E-10	-7.00E-10
URI (Δ CDF)	-2.14E-08	-2.16E-08	-2.17E-08	-2.11E-08	-2.03E-08	-2.04E-08	-2.05E-08	-2.04E-08
PLE	NO							
Indicator value	-2.30E-08	-2.20E-08	-2.20E-08	-2.30E-08	-2.20E-08	-2.30E-08	-2.10E-08	-2.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



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

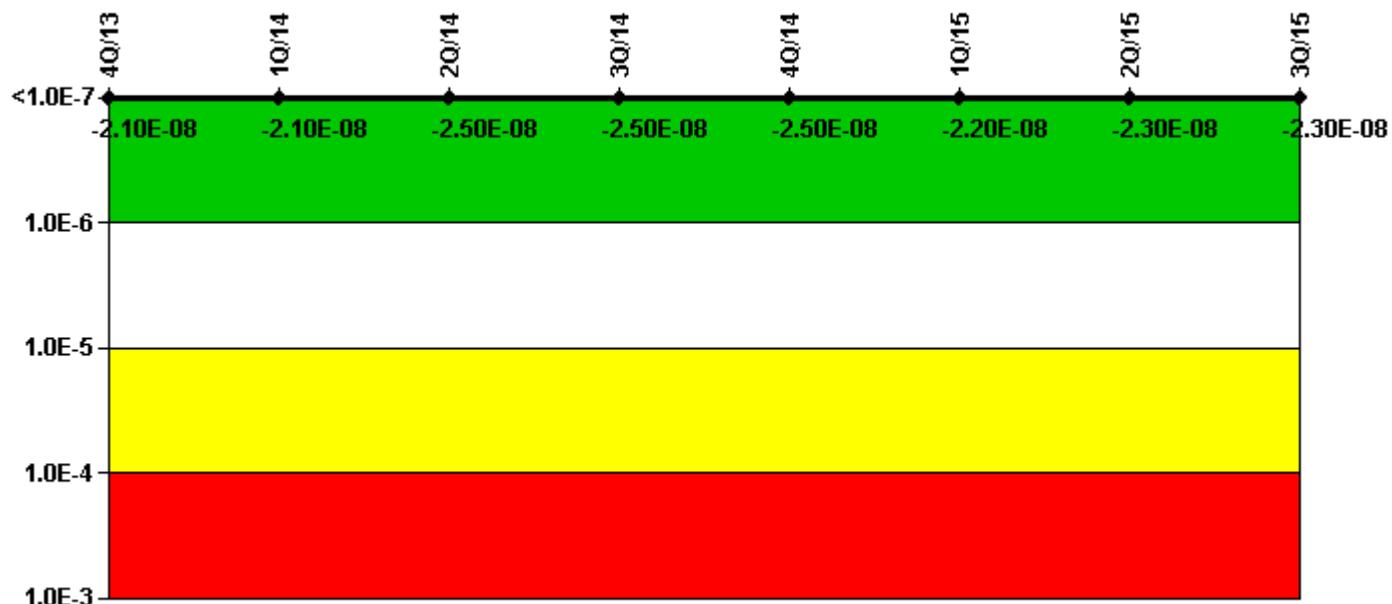
Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (Δ CDF)	-8.30E-12	-8.30E-12	-8.30E-12	-8.24E-12	-8.34E-12	-8.24E-12	-8.24E-12	-8.24E-12
URI (Δ CDF)	-6.90E-09	-6.93E-09	-6.94E-09	-4.66E-09	-4.67E-09	-4.67E-09	-4.67E-09	-4.65E-09
PLE	NO							
Indicator value	-6.90E-09	-6.90E-09	-6.90E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09

Licensee Comments:

3Q/14: ANO-1 HPI Reliability for P36A in August was revised. Oper Non-Test demands and Run Hours were originally reported under Test. This change does not affect the color of this indicator.

Mitigating Systems Performance Index, Heat Removal System



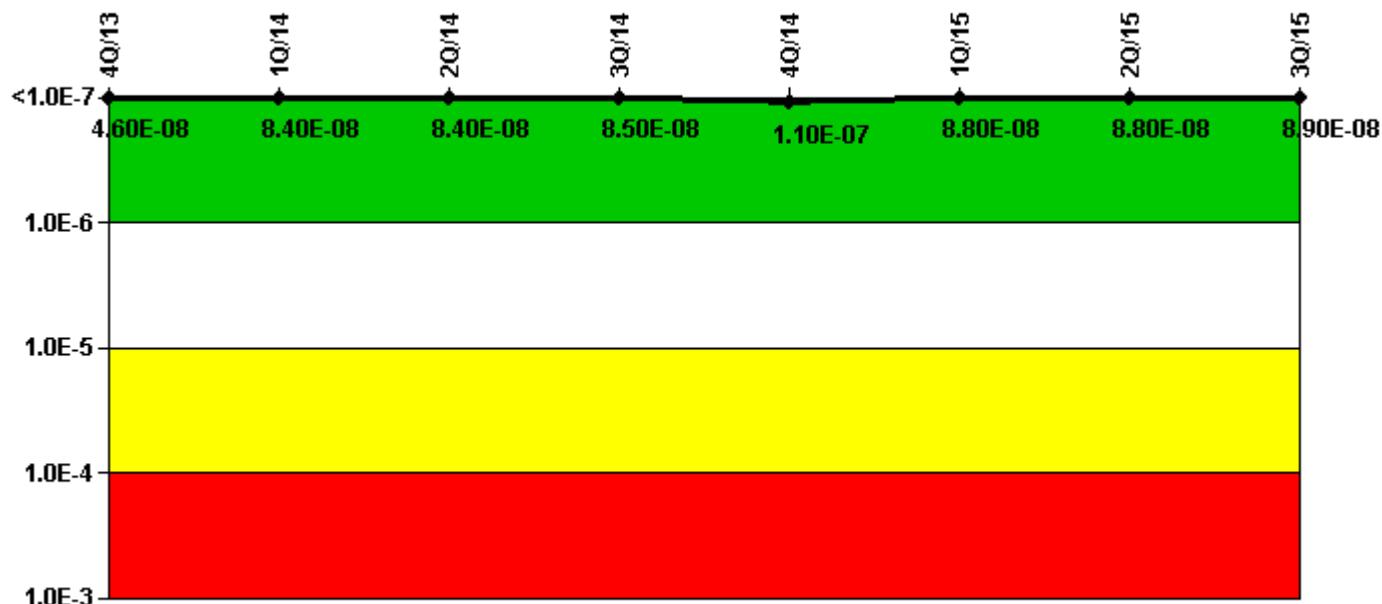
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	1.29E-09	4.28E-10	-3.29E-09	-4.02E-09	-4.59E-09	5.76E-10	-1.14E-09	-1.14E-09
URI (Δ CDF)	-2.28E-08	-2.17E-08	-2.17E-08	-2.06E-08	-2.01E-08	-2.22E-08	-2.22E-08	-2.14E-08
PLE	NO							
Indicator value	-2.10E-08	-2.10E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.20E-08	-2.30E-08	-2.30E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



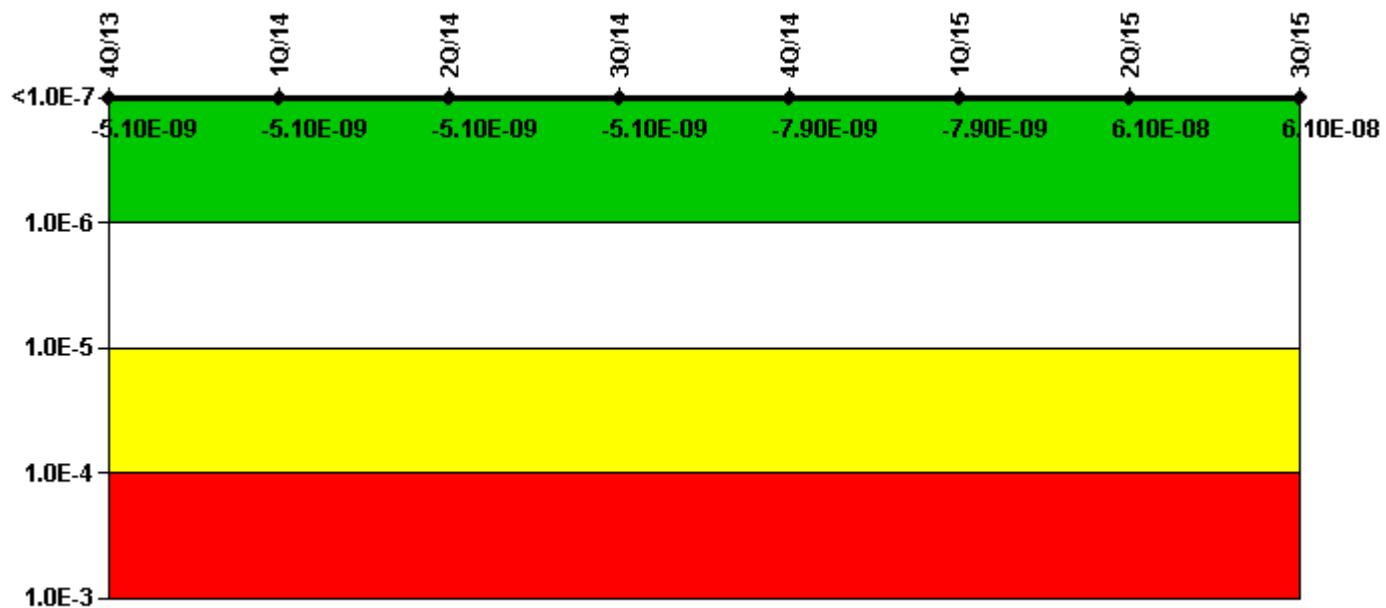
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (Δ CDF)	8.16E-09	4.62E-08	4.66E-08	4.73E-08	5.58E-08	5.09E-08	5.09E-08	5.06E-08
URI (Δ CDF)	3.76E-08	3.76E-08	3.76E-08	3.73E-08	5.08E-08	3.66E-08	3.66E-08	3.86E-08
PLE	NO							
Indicator value	4.60E-08	8.40E-08	8.40E-08	8.50E-08	1.10E-07	8.80E-08	8.80E-08	8.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



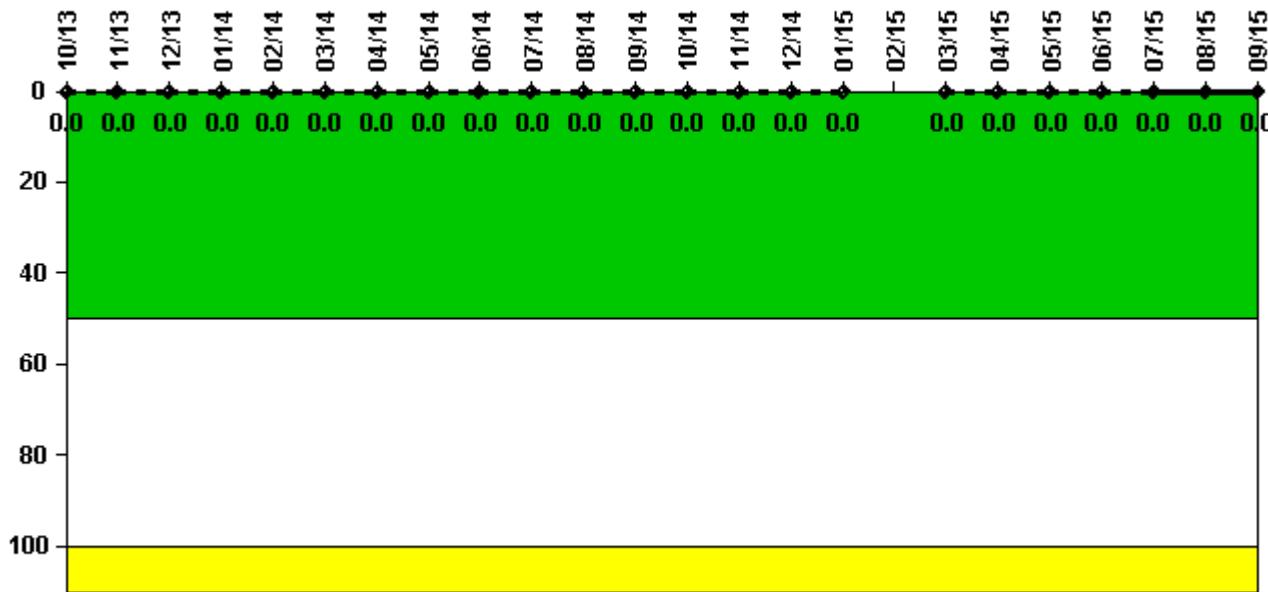
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
UAI (Δ CDF)	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09
URI (Δ CDF)	-1.71E-09	-1.71E-09	-1.71E-09	-1.67E-09	-4.48E-09	-4.48E-09	6.47E-08	6.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.10E-09	-5.10E-09	-5.10E-09	-5.10E-09	-7.90E-09	-7.90E-09	6.10E-08	6.10E-08

Licensee Comments: none

Reactor Coolant System Activity



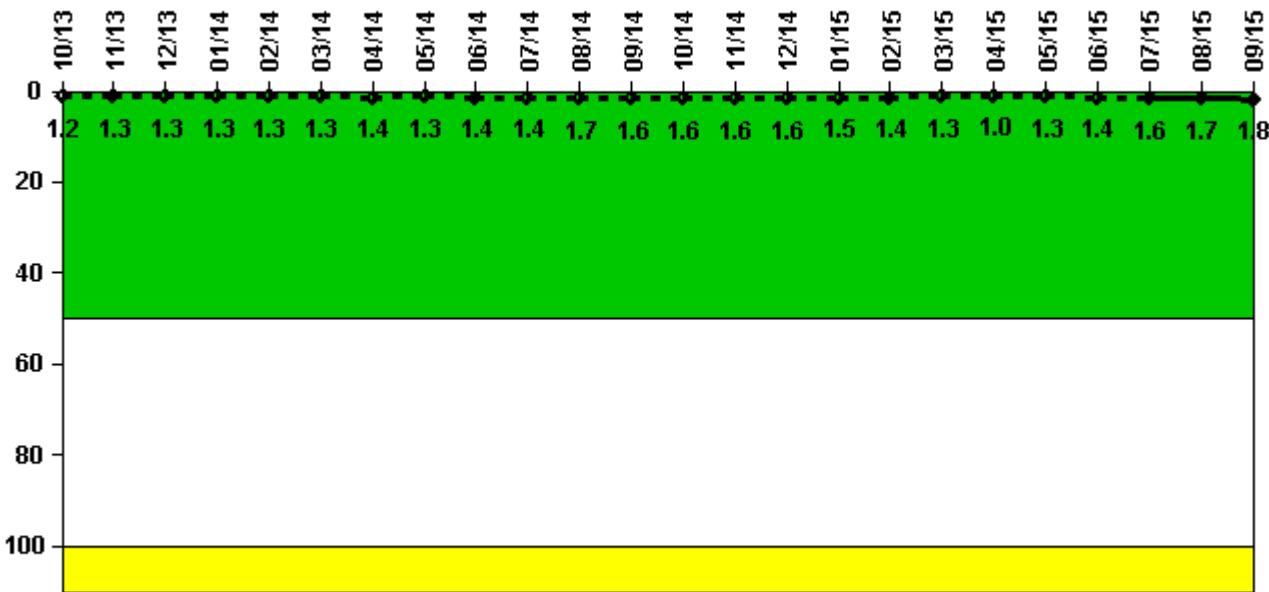
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.000066	0.000076	0.000089	0.000082	0.000084	0.000161	0.000084	0.000063	0.000090	0.000142	0.000103	0.000157
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	0	0	0	0	0
Reactor Coolant System Activity	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15
Maximum activity	0.000160	0.000185	0.000144	0.000149	N/A	0.000049	0.000053	0.000058	0.000216	0.000220	0.000208	0.000143
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

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

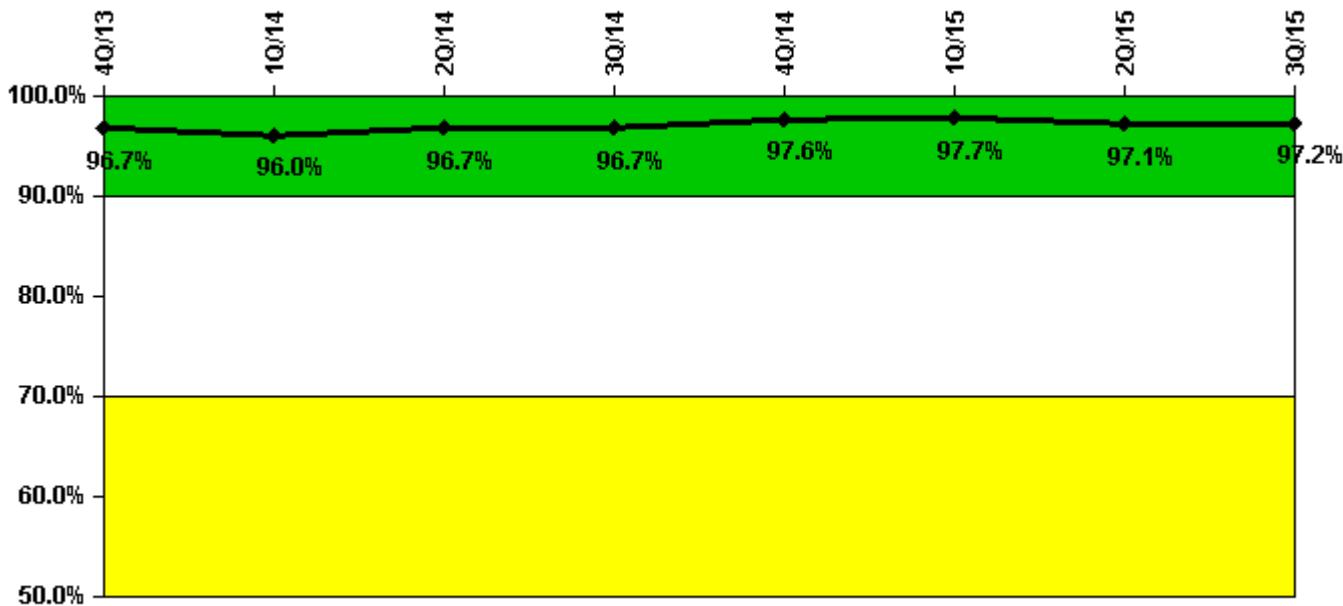
Notes

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	0.115	0.128	0.132	0.128	0.128	0.127	0.137	0.125	0.138	0.135	0.165	0.164
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	1.3	1.3	1.3	1.3	1.3	1.4	1.3	1.4	1.4	1.7	1.6
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	0.159	0.160	0.159	0.148	0.135	0.127	0.100	0.125	0.137	0.163	0.168	0.177
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	1.6	1.6	1.6	1.5	1.4	1.3	1.0	1.3	1.4	1.6	1.7	1.8

Licensee Comments:

12/13: Total Leakage is being reported in lieu of Identified Leakage.

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	50.0	51.0	45.0	108.0	61.0	16.0	93.0	65.0
Total opportunities	51.0	54.0	45.0	111.0	61.0	16.0	98.0	67.0
Indicator value	96.7%	96.0%	96.7%	96.7%	97.6%	97.7%	97.1%	97.2%

Licensee Comments:

2Q/15: The June Drill/Exercise Performance is being revised to include two Shift Manager requalification exams. This change does not affect the color of the Drill/Exercise Performance indicator.

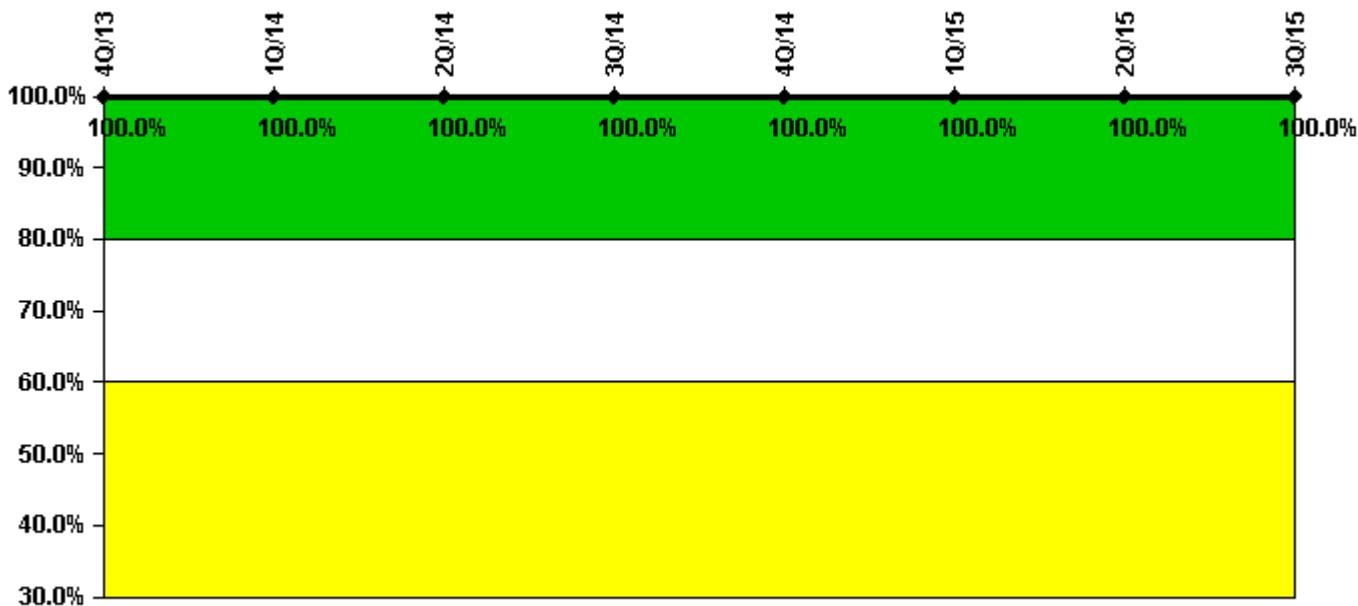
3Q/14: The September Drill / Exercise Performance was revised to included three notification communicator drills. This change dose not affect the color of this indicator.

2Q/14: Change to correct counting of the number of drills performed in the 2nd qtr. (Changed October 2014 does not affect the color of this indicator)

1Q/14: SM Classification failure during 2/25/2014 simulator set. EOF notification failure during 3/19/2014 full scale drill. EOF PAR failure furing 3/19/2014 full scale drill. (Changed October 2014 does not affect the color of this indicator)

4Q/13: Change to correct counting of the number of drills performed in the 4th qtr.

ERO Drill Participation



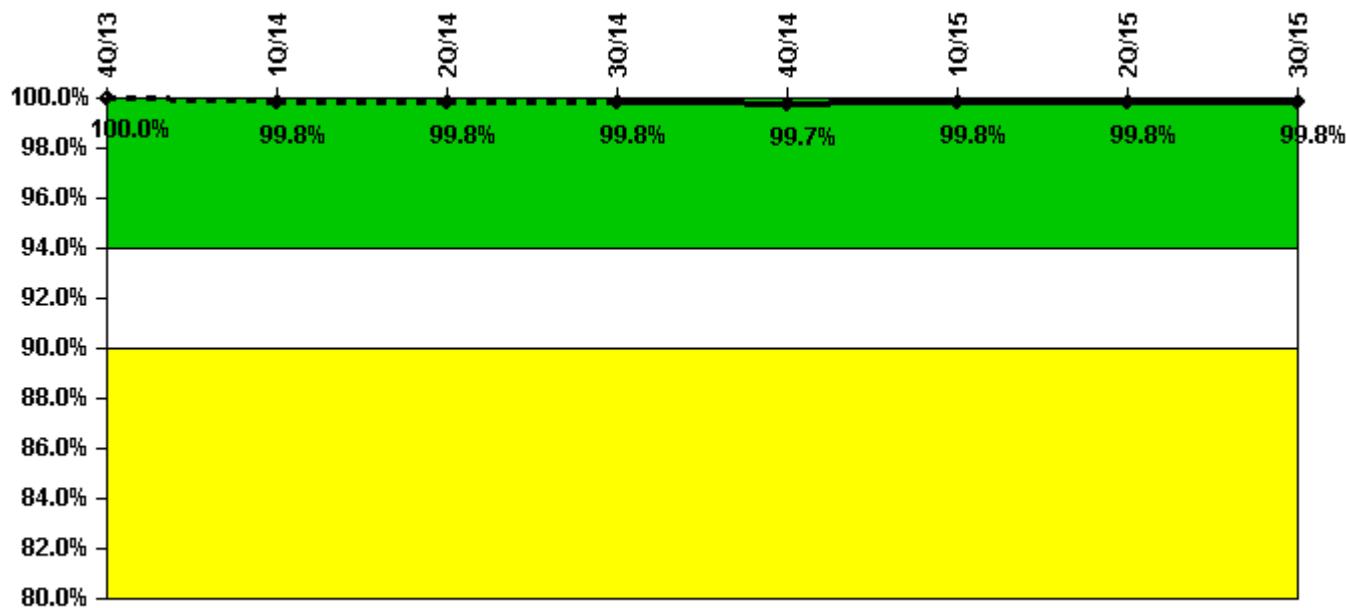
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Participating Key personnel	99.0	103.0	118.0	119.0	116.0	113.0	109.0	106.0
Total Key personnel	99.0	103.0	118.0	119.0	116.0	113.0	109.0	106.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

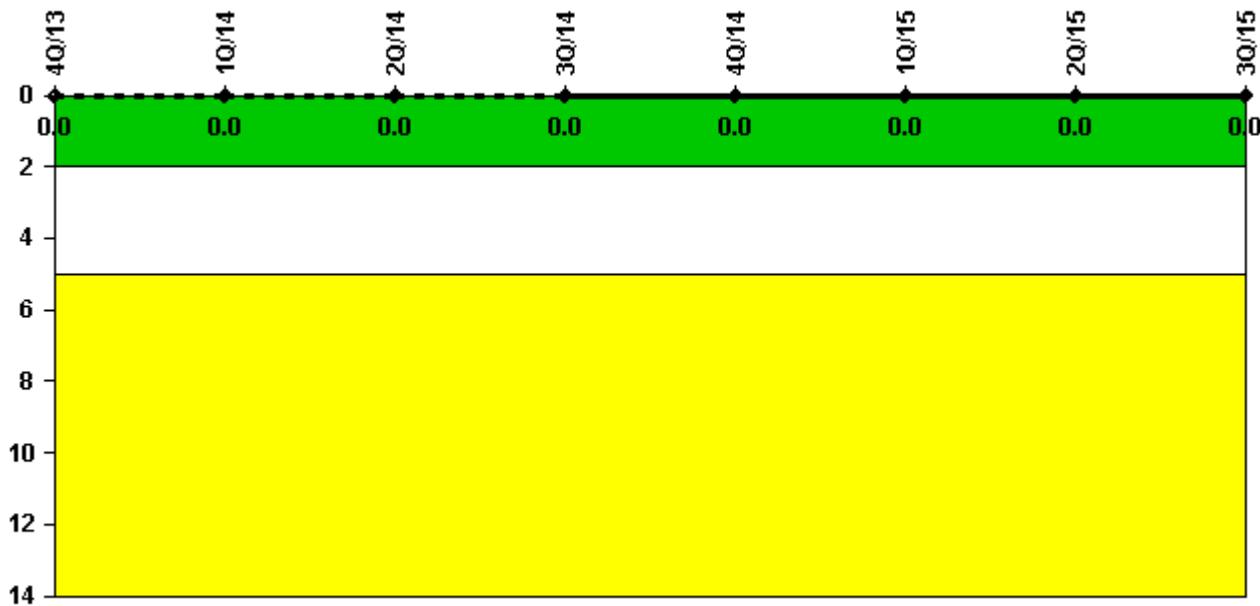
Notes

Alert & Notification System	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Successful siren-tests	147	146	147	147	146	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	100.0%	99.8%	99.8%	99.8%	99.7%	99.8%	99.8%	99.8%

Licensee Comments:

1Q/14: February 2014 - 2z7 failed the initial siren test. Additional checks were performed and the siren tested sat. It also tested sat in March 2014 test. (CR-ANO-C-2014-02471) (Changed October 2014 does not affect the color of this indicator)

Occupational Exposure Control Effectiveness

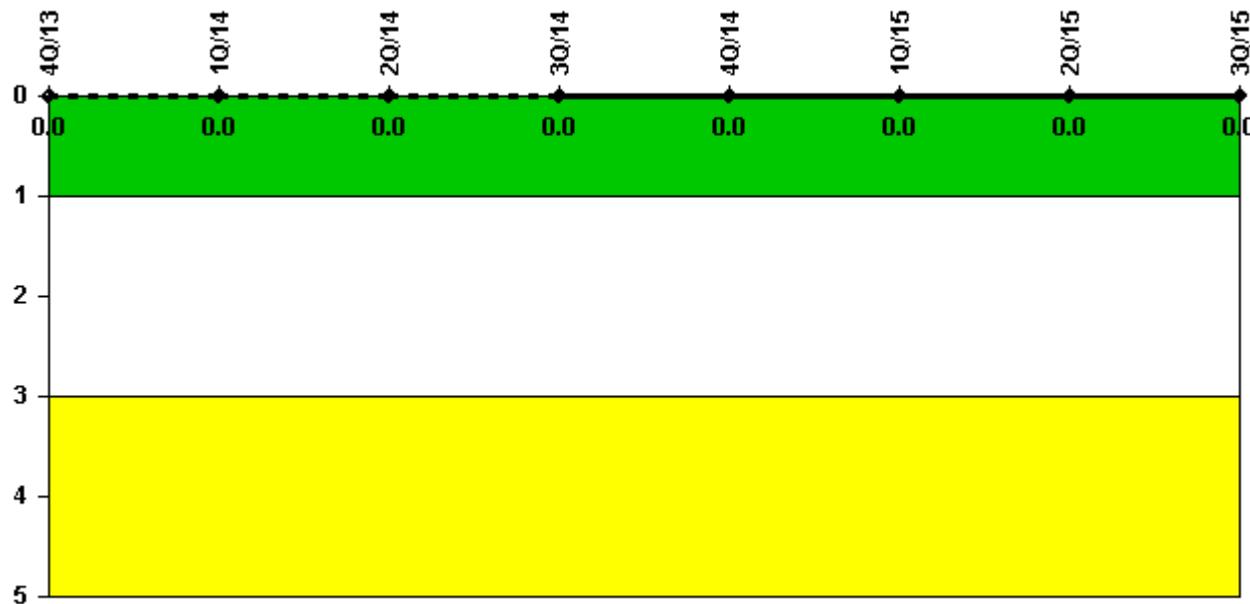


Thresholds: White > 2.0 Yellow > 5.0

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

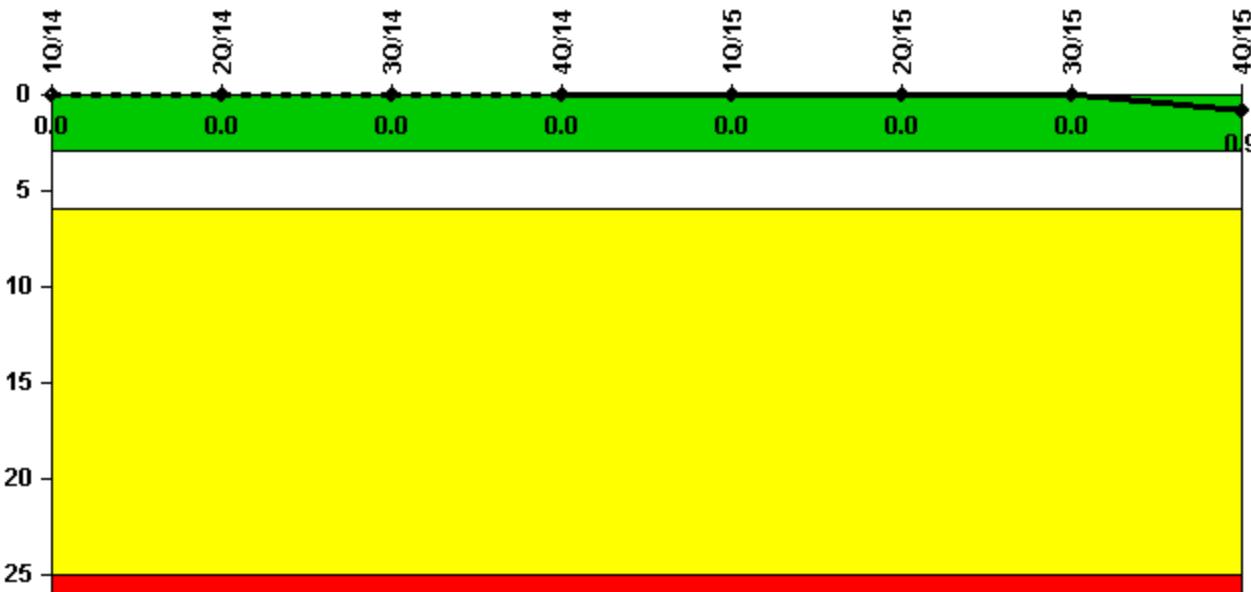
Arkansas Nuclear 1

4Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

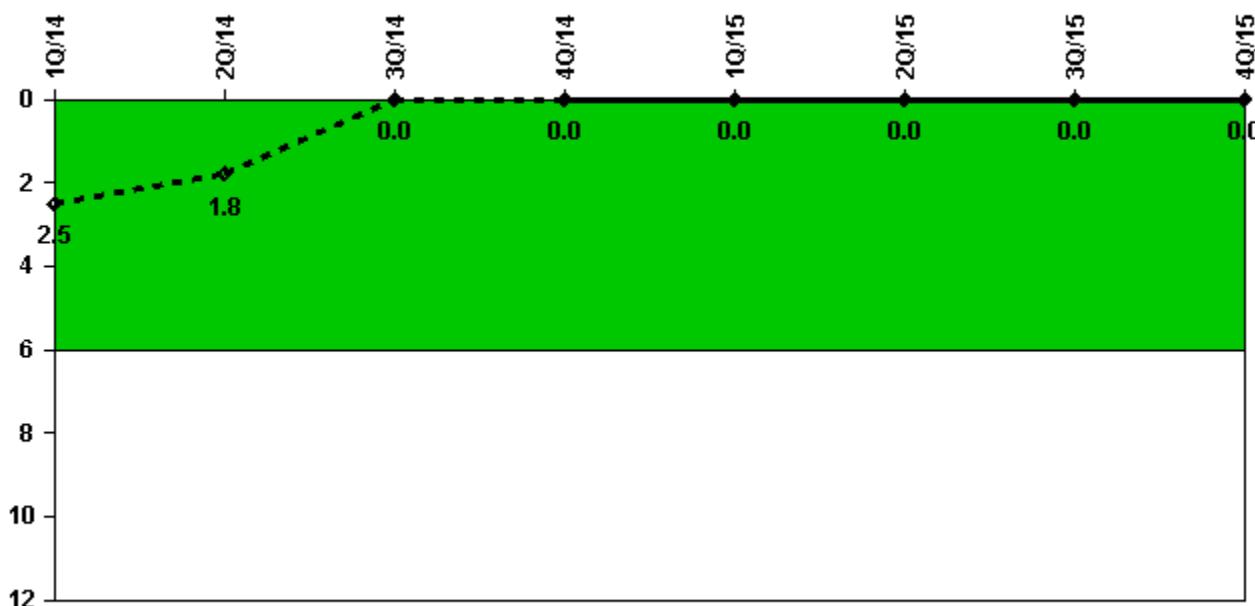


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0	0	1.0
Critical hours	2159.0	2184.0	2208.0	2209.0	1339.4	2184.0	2208.0	2141.3
Indicator value	0	0.9						

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

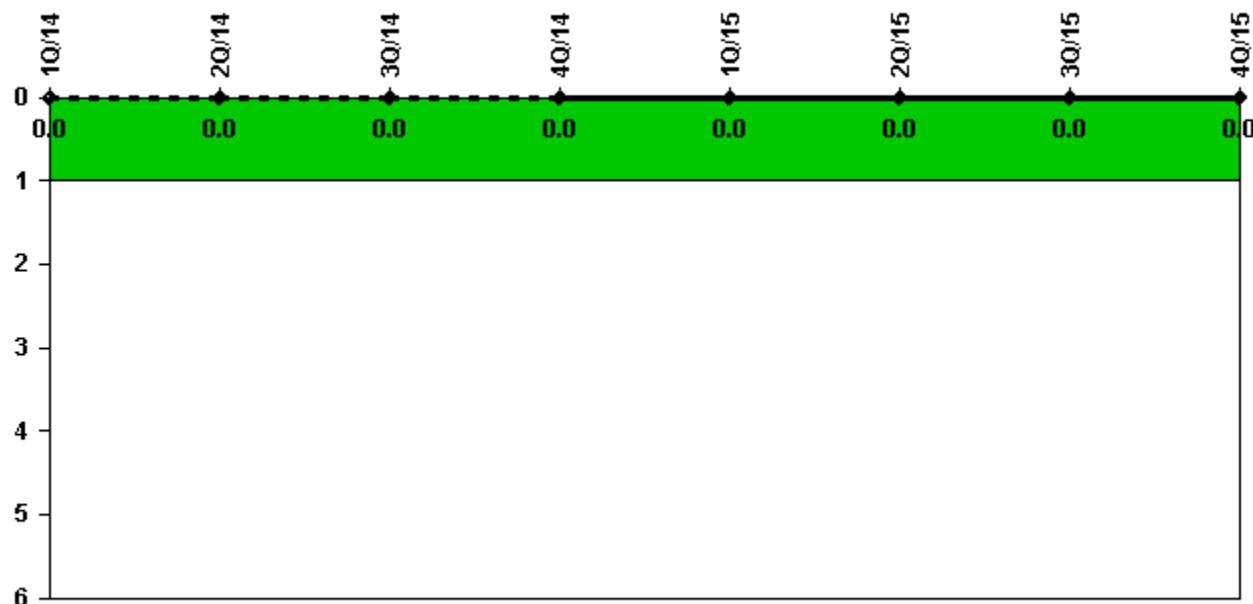
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2159.0	2184.0	2208.0	2209.0	1339.4	2184.0	2208.0	2141.3
Indicator value	2.5	1.8	0	0	0	0	0	0

Licensee Comments: none

Unplanned Scrams with Complications



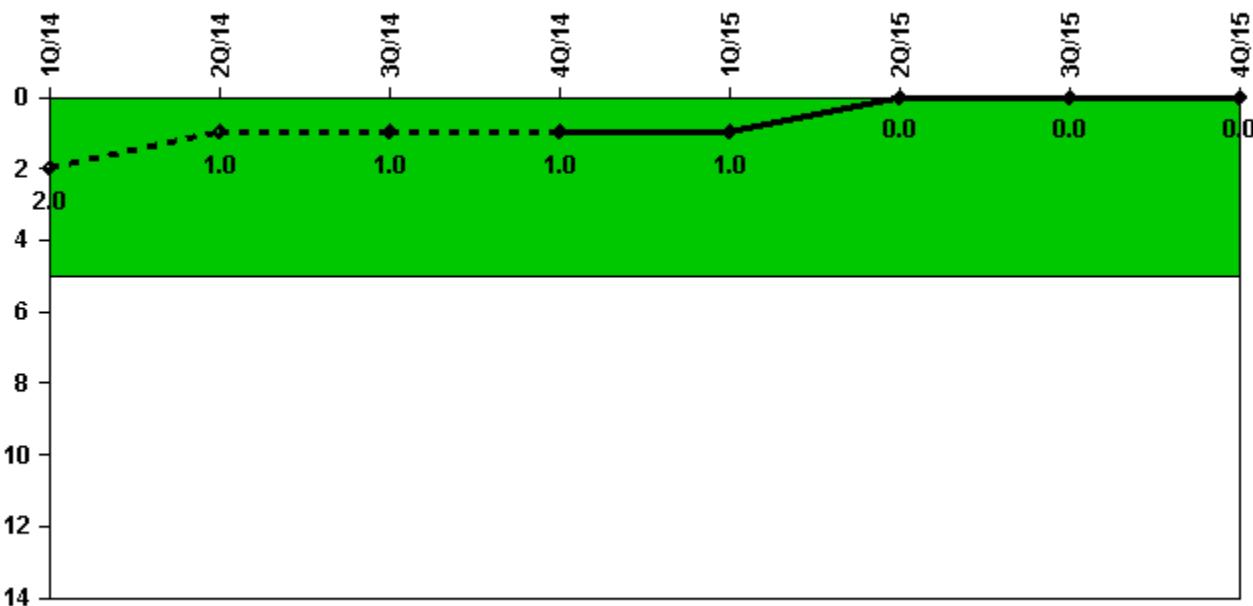
Thresholds: White > 1.0

Notes

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

Licensee Comments: none

Safety System Functional Failures (PWR)



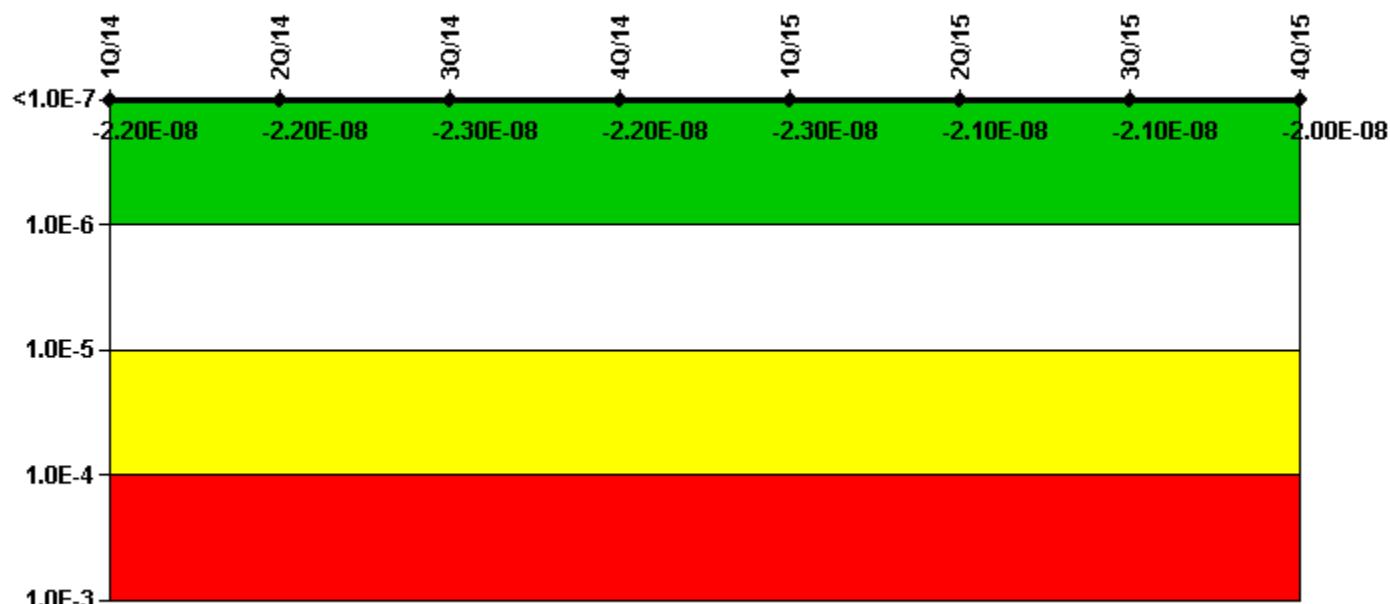
Thresholds: White > 5.0

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



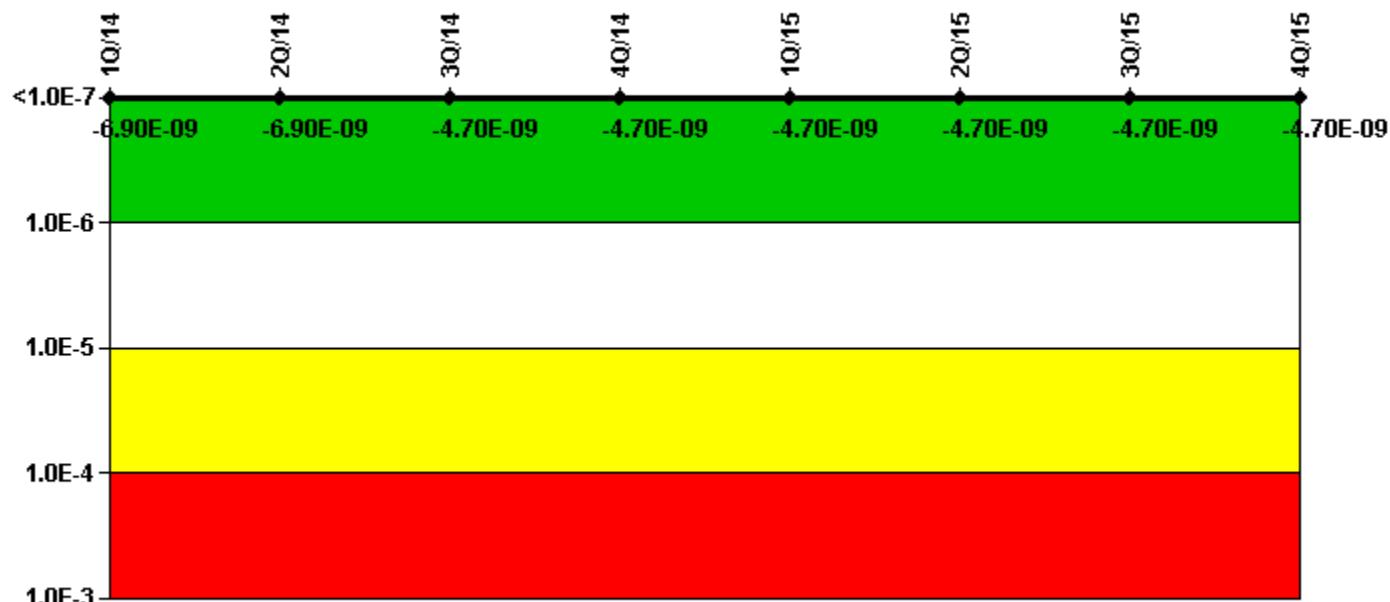
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	-6.29E-10	-6.26E-10	-2.20E-09	-2.21E-09	-2.20E-09	-9.63E-10	-7.00E-10	5.40E-10
URI (Δ CDF)	-2.16E-08	-2.17E-08	-2.11E-08	-2.03E-08	-2.04E-08	-2.05E-08	-2.04E-08	-2.05E-08
PLE	NO							
Indicator value	-2.20E-08	-2.20E-08	-2.30E-08	-2.20E-08	-2.30E-08	-2.10E-08	-2.10E-08	-2.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



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

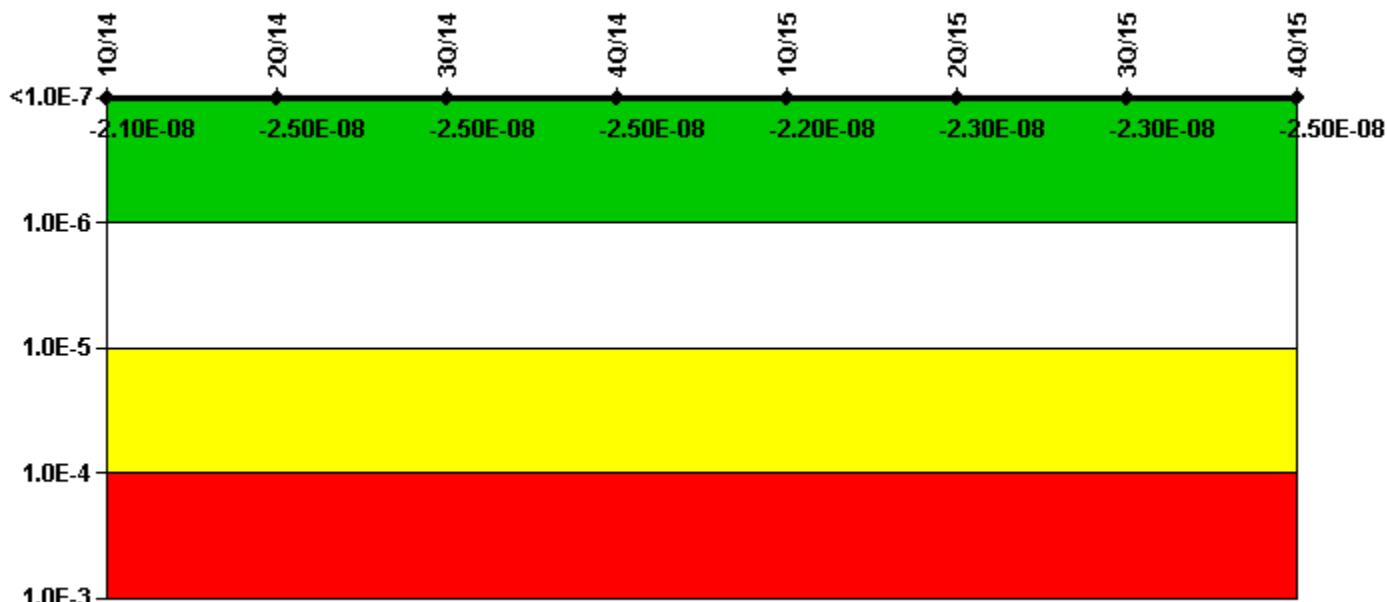
Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	-8.30E-12	-8.30E-12	-8.24E-12	-8.34E-12	-8.24E-12	-8.24E-12	-8.24E-12	-8.23E-12
URI (Δ CDF)	-6.93E-09	-6.94E-09	-4.66E-09	-4.67E-09	-4.67E-09	-4.67E-09	-4.65E-09	-4.66E-09
PLE	NO							
Indicator value	-6.90E-09	-6.90E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09

Licensee Comments:

3Q/14: ANO-1 HPI Reliability for P36A in August was revised. Oper Non-Test demands and Run Hours were originally reported under Test. This change dose not affect the color of this indicator.

Mitigating Systems Performance Index, Heat Removal System

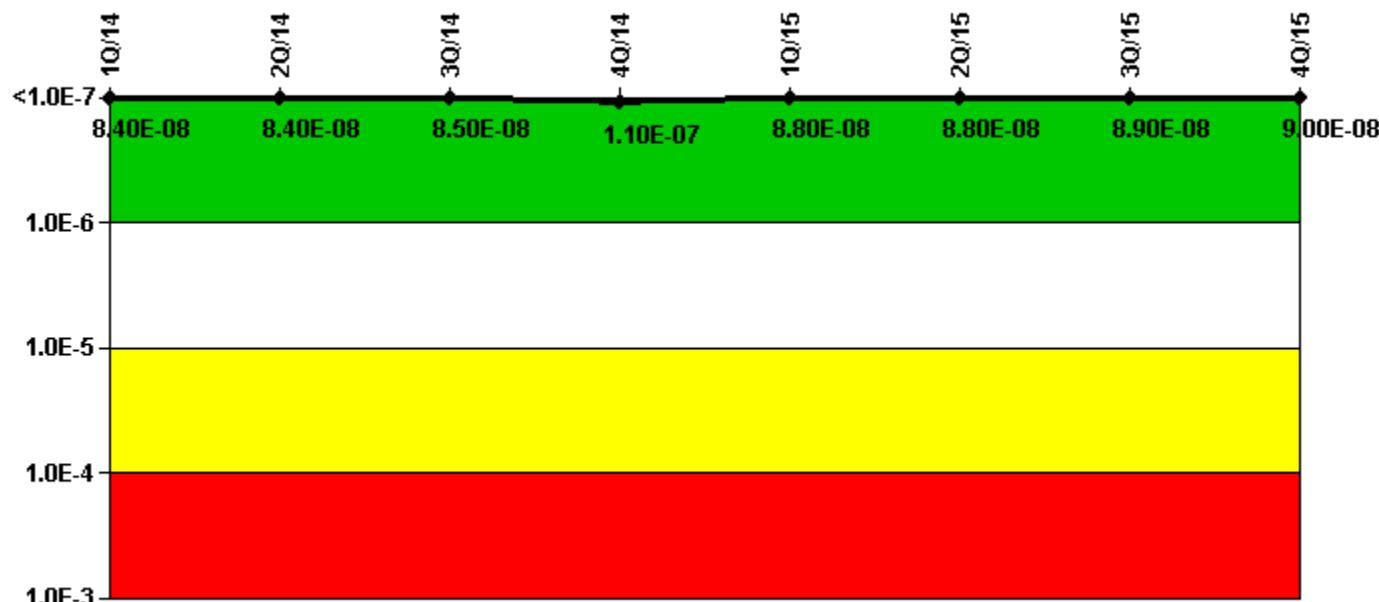


Thresholds: White > $1.00\text{E-}6$ Yellow > $1.00\text{E-}5$ Red > $1.00\text{E-}4$

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	4.28E-10	-3.29E-09	-4.02E-09	-4.59E-09	5.76E-10	-1.14E-09	-1.14E-09	-3.57E-09
URI (Δ CDF)	-2.17E-08	-2.17E-08	-2.06E-08	-2.01E-08	-2.22E-08	-2.22E-08	-2.14E-08	-2.19E-08
PLE	NO							
Indicator value	-2.10E-08	-2.50E-08	-2.50E-08	-2.50E-08	-2.20E-08	-2.30E-08	-2.30E-08	-2.50E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

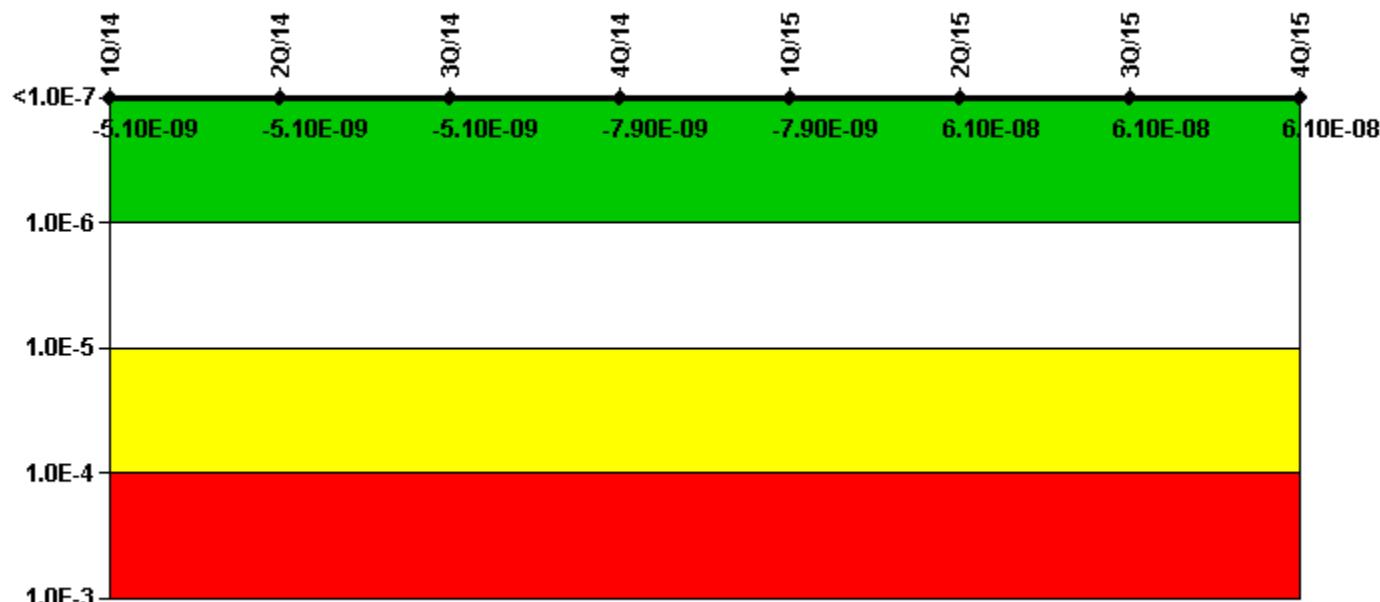
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	4.62E-08	4.66E-08	4.73E-08	5.58E-08	5.09E-08	5.09E-08	5.06E-08	4.80E-08
URI (Δ CDF)	3.76E-08	3.76E-08	3.73E-08	5.08E-08	3.66E-08	3.66E-08	3.86E-08	4.25E-08
PLE	NO							
Indicator value	8.40E-08	8.40E-08	8.50E-08	1.10E-07	8.80E-08	8.80E-08	8.90E-08	9.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



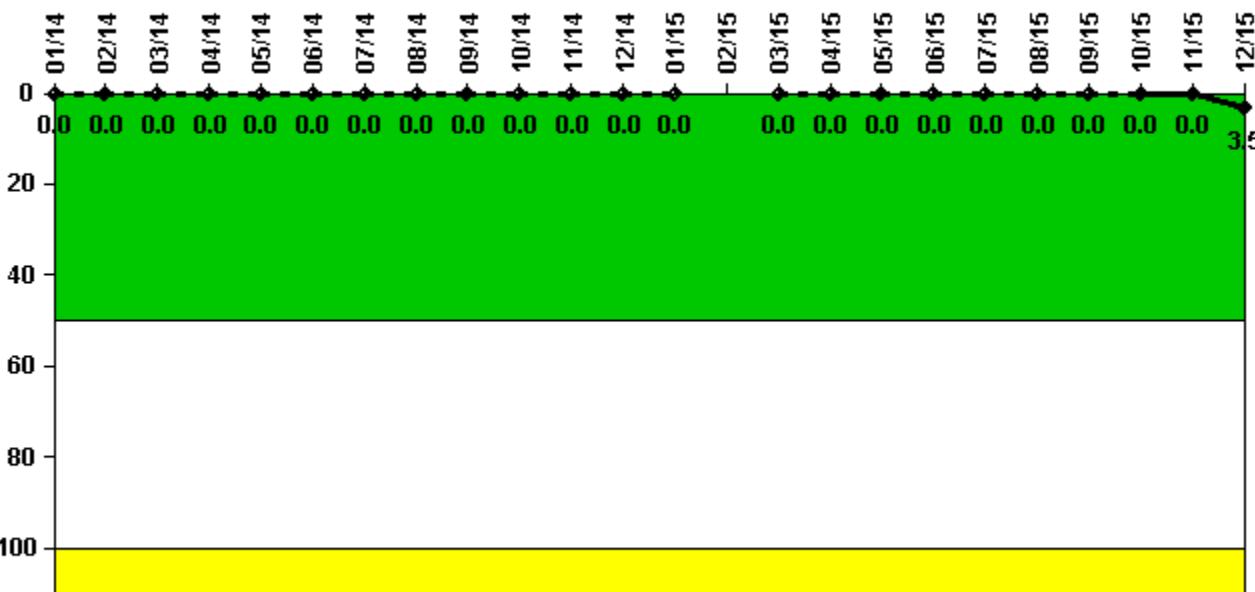
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
UAI (Δ CDF)	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09
URI (Δ CDF)	-1.71E-09	-1.71E-09	-1.67E-09	-4.48E-09	-4.48E-09	6.47E-08	6.47E-08	6.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.10E-09	-5.10E-09	-5.10E-09	-7.90E-09	-7.90E-09	6.10E-08	6.10E-08	6.10E-08

Licensee Comments: none

Reactor Coolant System Activity



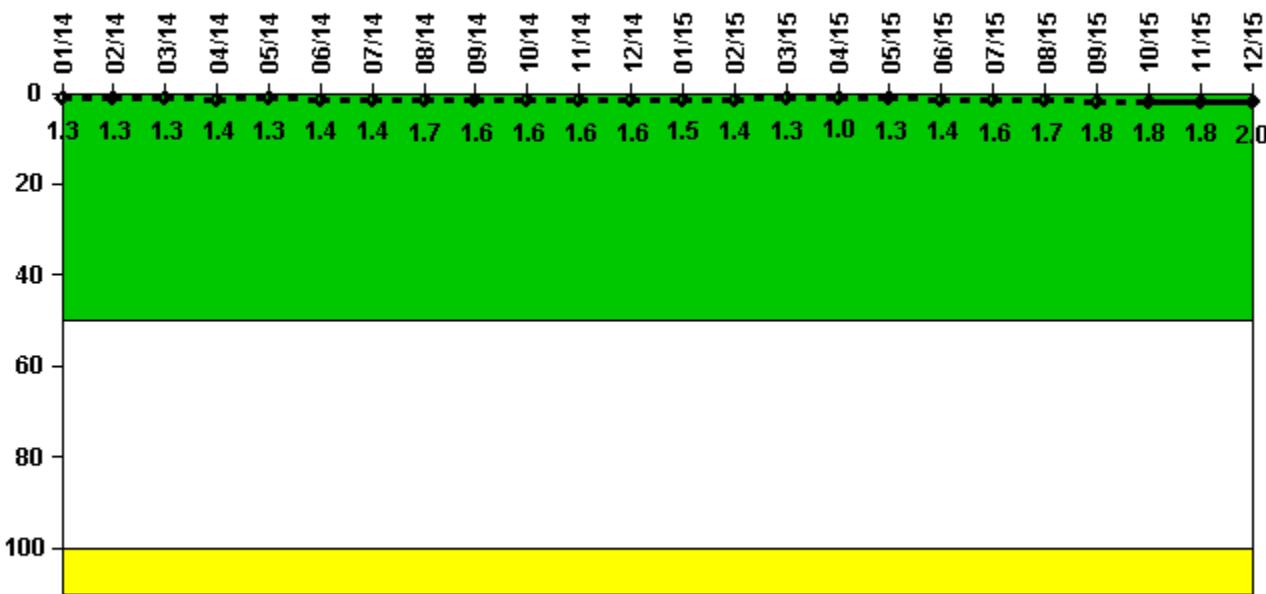
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.000082	0.000084	0.000161	0.000084	0.000063	0.000090	0.000142	0.000103	0.000157	0.000160	0.000185	0.000144
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	0	0	0	0	0
Reactor Coolant System Activity	1/15	2/15	3/15	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15
Maximum activity	0.000149	N/A	0.000049	0.000053	0.000058	0.000216	0.000220	0.000208	0.000143	0.000140	0.000194	0.034700
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	N/A	0	0	0	0	0	0	0	0	0	3.5

Licensee Comments: none

Reactor Coolant System Leakage



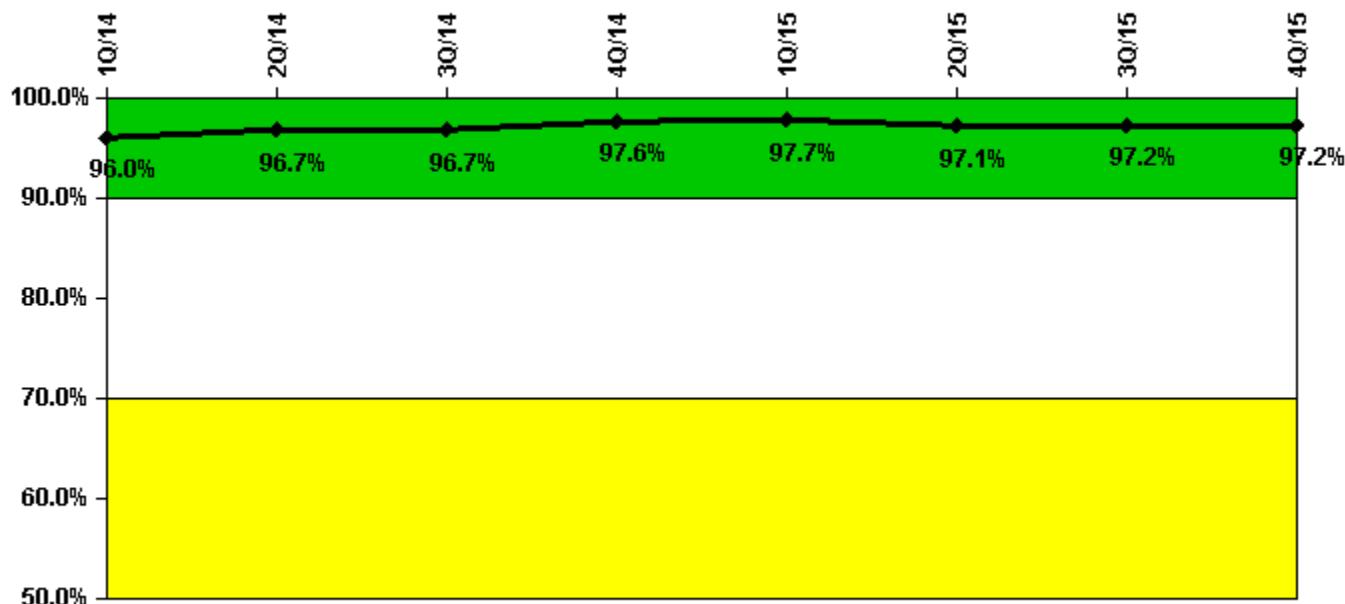
Thresholds: White > 50.0 Yellow > 100.0

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	0.128	0.128	0.127	0.137	0.125	0.138	0.135	0.165	0.164	0.159	0.160	0.159
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	1.3	1.3	1.4	1.3	1.4	1.4	1.7	1.6	1.6	1.6	1.6
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	0.148	0.135	0.127	0.100	0.125	0.137	0.163	0.168	0.177	0.175	0.182	0.198
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	1.4	1.3	1.0	1.3	1.4	1.6	1.7	1.8	1.8	1.8	2.0

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	51.0	45.0	108.0	61.0	16.0	93.0	65.0	19.0
Total opportunities	54.0	45.0	111.0	61.0	16.0	98.0	67.0	19.0
Indicator value	96.0%	96.7%	96.7%	97.6%	97.7%	97.1%	97.2%	97.2%

Licensee Comments:

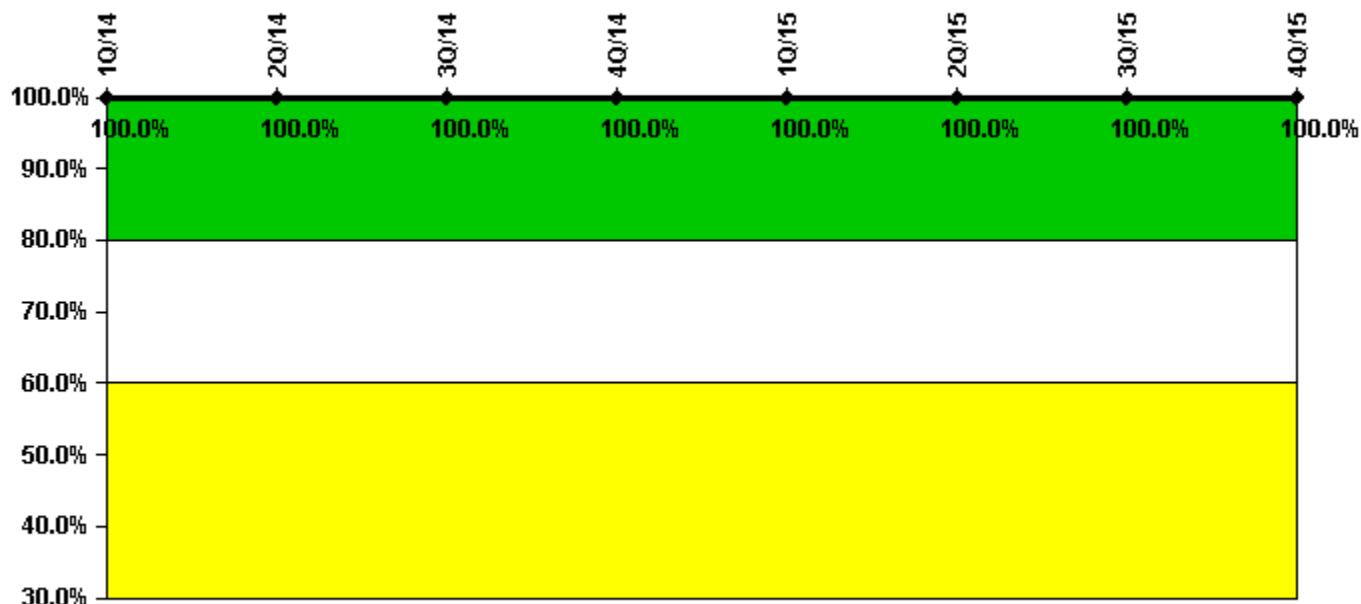
2Q/15: The June Drill/Exercise Performance is being revised to include two Shift Manager requalification exams. This change does not affect the color of the Drill/Exercise Performance indicator.

3Q/14: The September Drill / Exercise Performance was revised to included three notification communicator drills. This change dose not affect the color of this indicator.

2Q/14: Change to correct counting of the number of drills performed in the 2nd qtr. (Changed October 2014 does not affect the color of this indicator)

1Q/14: SM Classification failure during 2/25/2014 simulator set. EOF notification failure during 3/19/2014 full scale drill. EOF PAR failure furing 3/19/2014 full scale drill. (Changed October 2014 does not affect the color of this indicator)

ERO Drill Participation



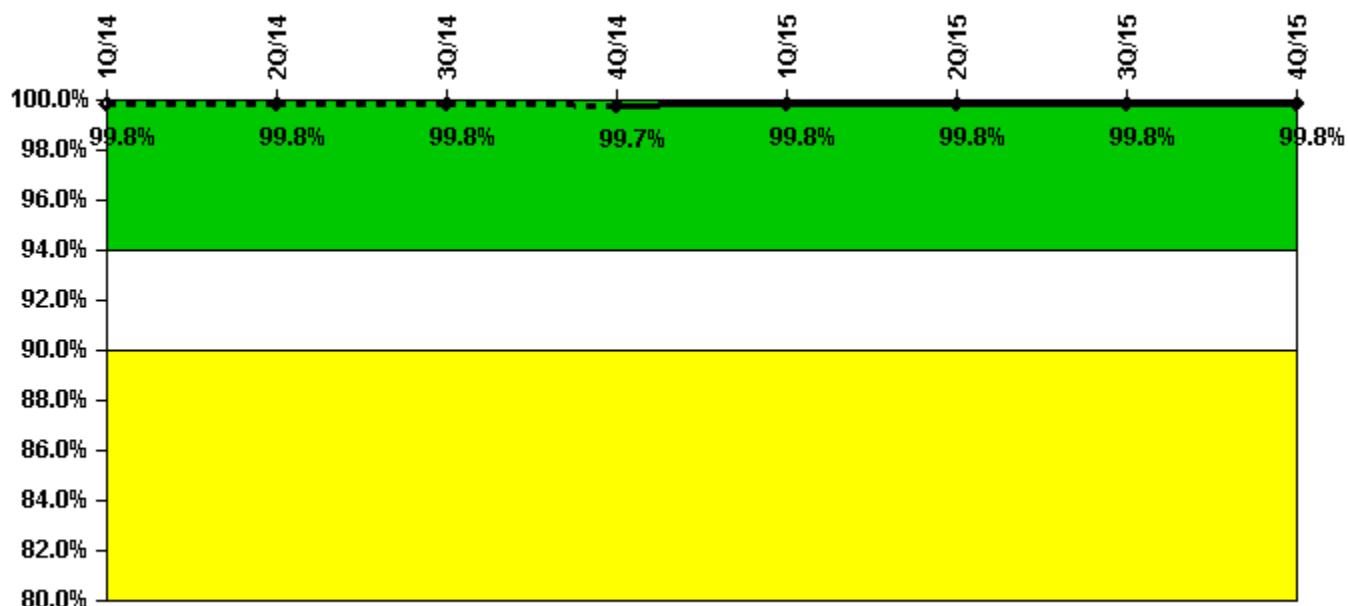
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Participating Key personnel	103.0	118.0	119.0	116.0	113.0	109.0	106.0	103.0
Total Key personnel	103.0	118.0	119.0	116.0	113.0	109.0	106.0	103.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

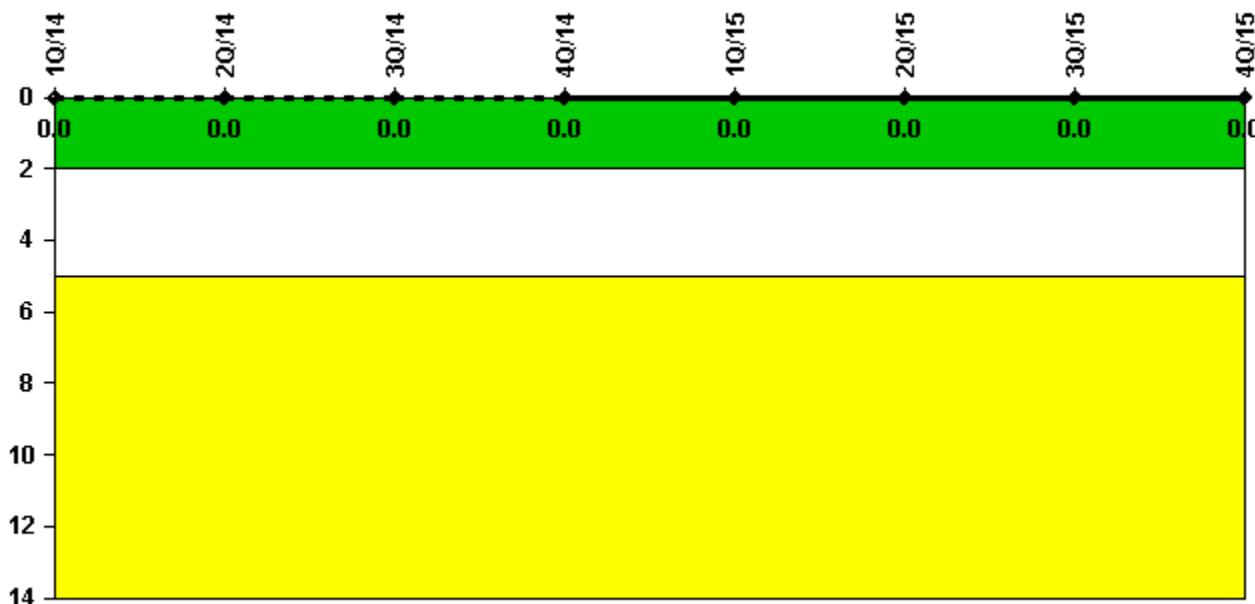
Notes

Alert & Notification System	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Successful siren-tests	146	147	147	146	147	147	147	146
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.8%	99.8%	99.8%	99.7%	99.8%	99.8%	99.8%	99.8%

Licensee Comments:

1Q/14: February 2014 - 2z7 failed the initial siren test. Additional checks were performed and the siren tested sat. It also tested sat in March 2014 test. (CR-ANO-C-2014-02471) (Changed October 2014 does not affect the color of this indicator)

Occupational Exposure Control Effectiveness



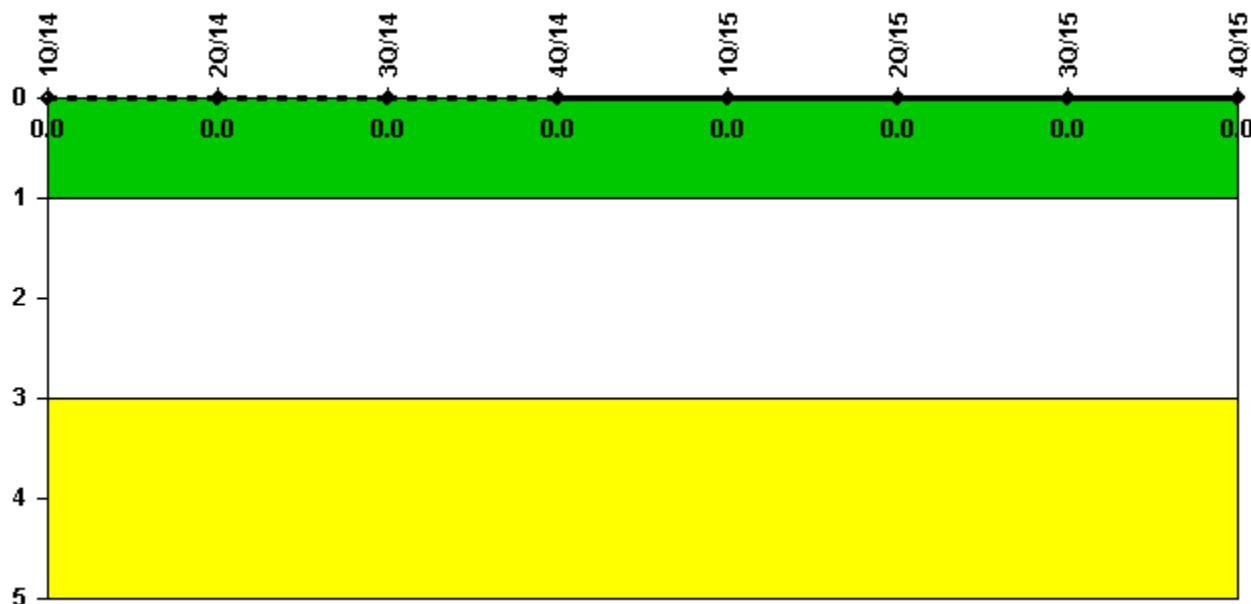
Thresholds: White > 2.0 Yellow > 5.0

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

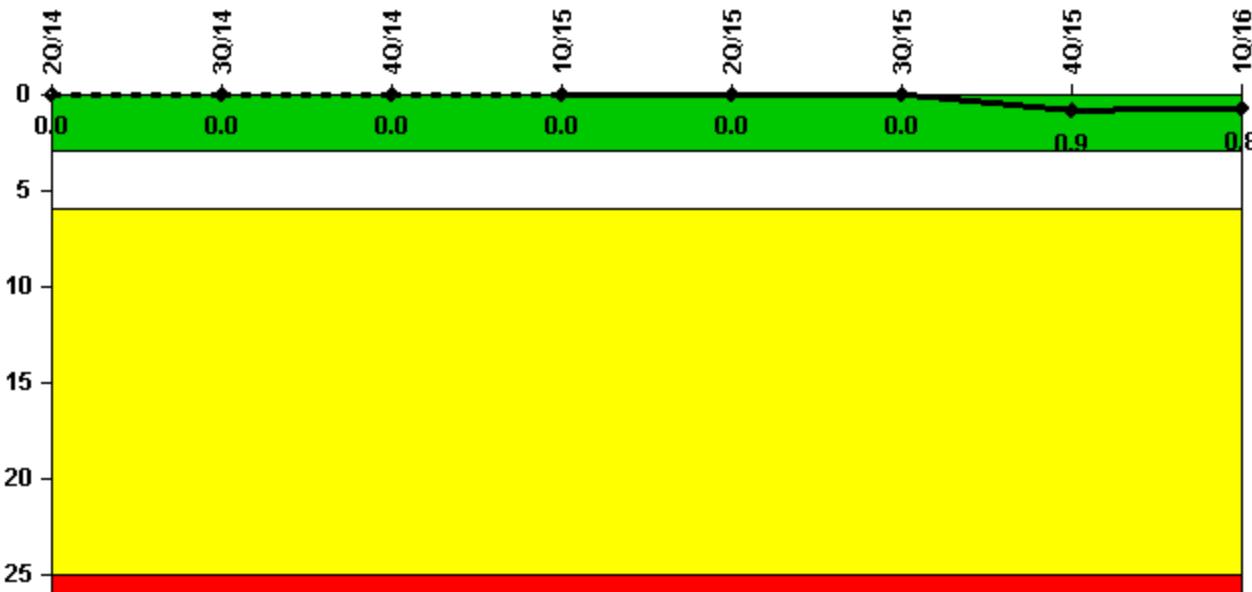
Arkansas Nuclear 1

1Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

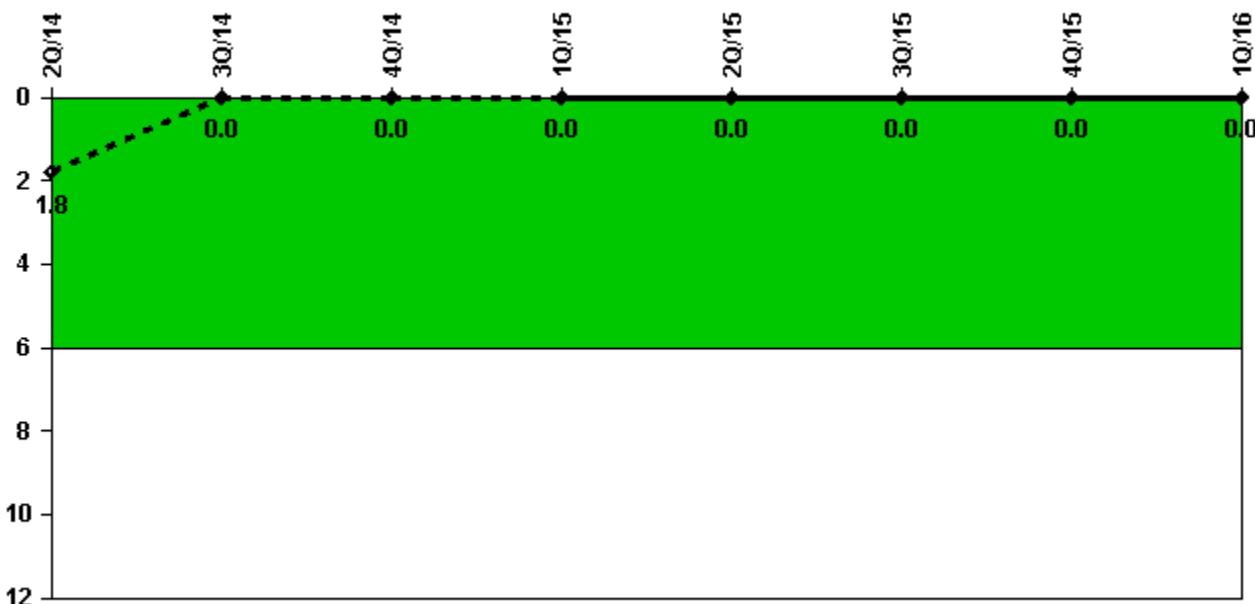


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0	0	1.0	0
Critical hours	2184.0	2208.0	2209.0	1339.4	2184.0	2208.0	2141.3	2183.0
Indicator value	0	0	0	0	0	0	0.9	0.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

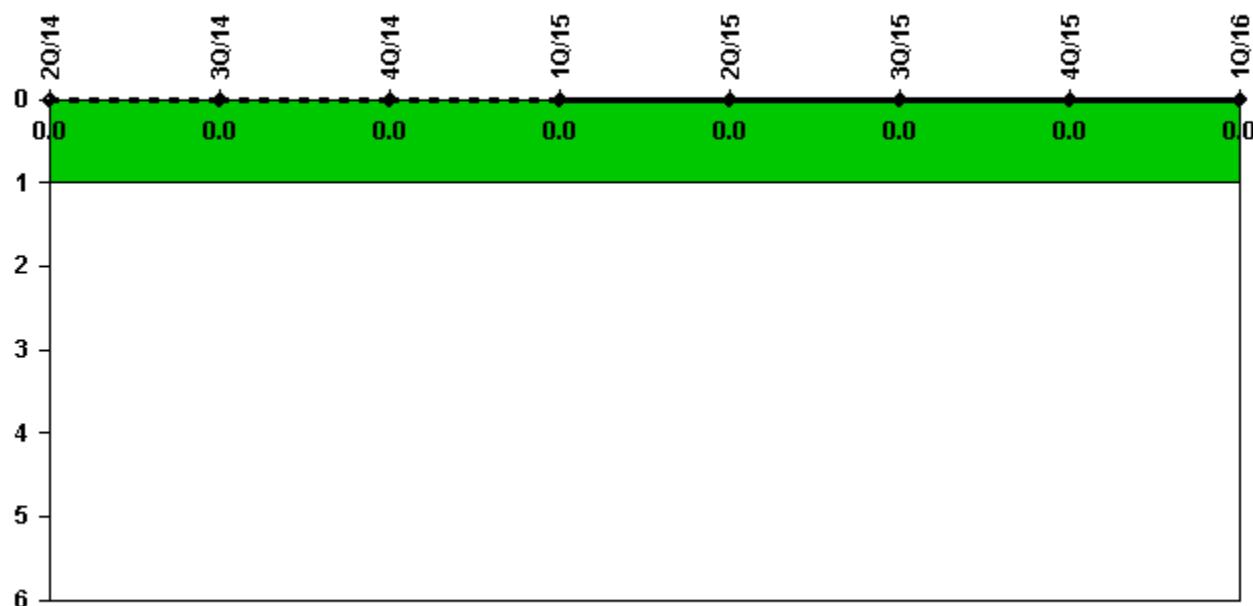
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2208.0	2209.0	1339.4	2184.0	2208.0	2141.3	2183.0
Indicator value	1.8	0						

Licensee Comments: none

Unplanned Scrams with Complications



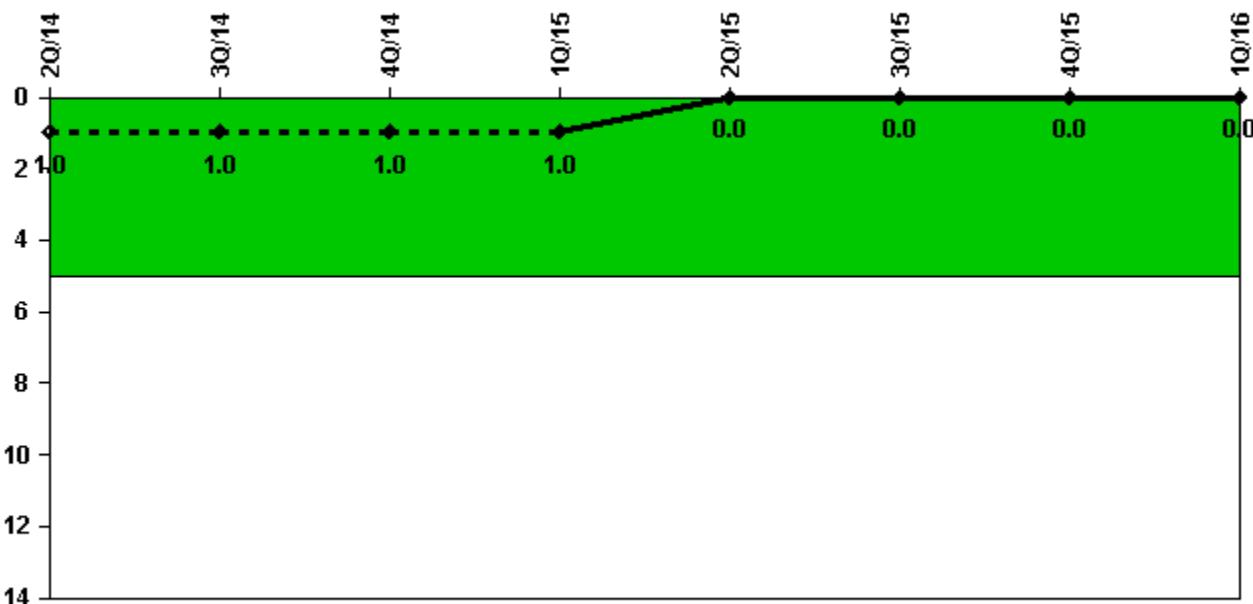
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



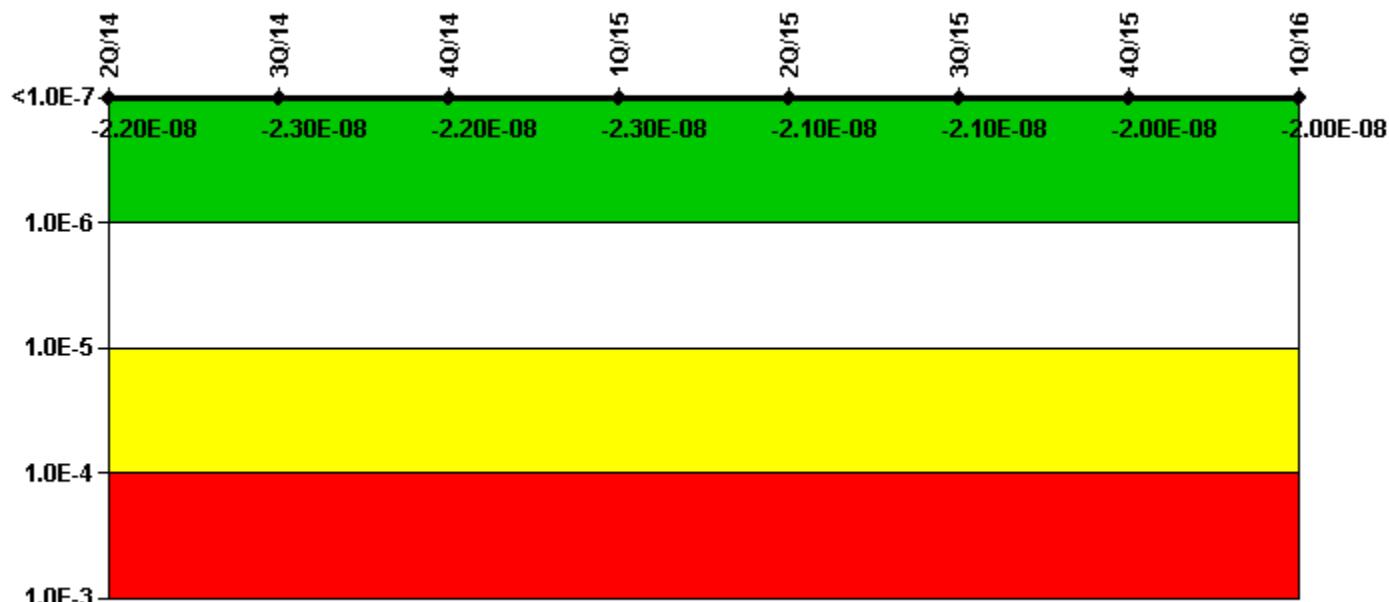
Thresholds: White > 5.0

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



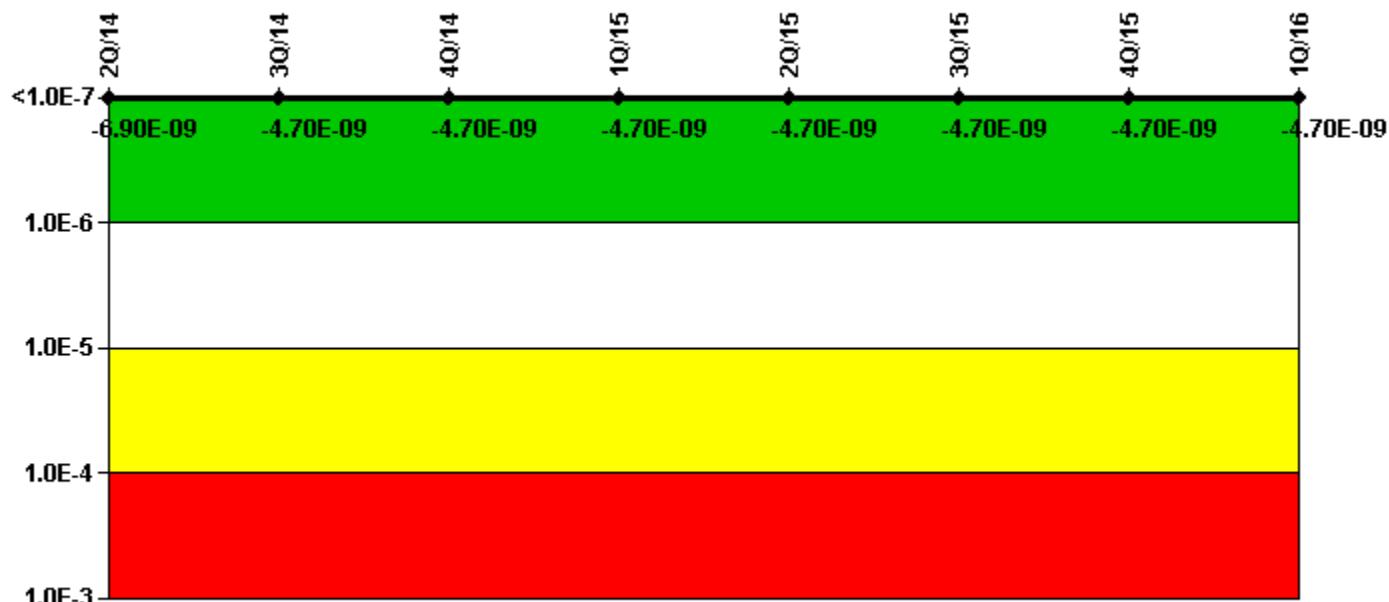
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (Δ CDF)	-6.26E-10	-2.20E-09	-2.21E-09	-2.20E-09	-9.63E-10	-7.00E-10	5.40E-10	5.36E-10
URI (Δ CDF)	-2.17E-08	-2.11E-08	-2.03E-08	-2.04E-08	-2.05E-08	-2.04E-08	-2.05E-08	-2.02E-08
PLE	NO							
Indicator value	-2.20E-08	-2.30E-08	-2.20E-08	-2.30E-08	-2.10E-08	-2.10E-08	-2.00E-08	-2.00E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



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

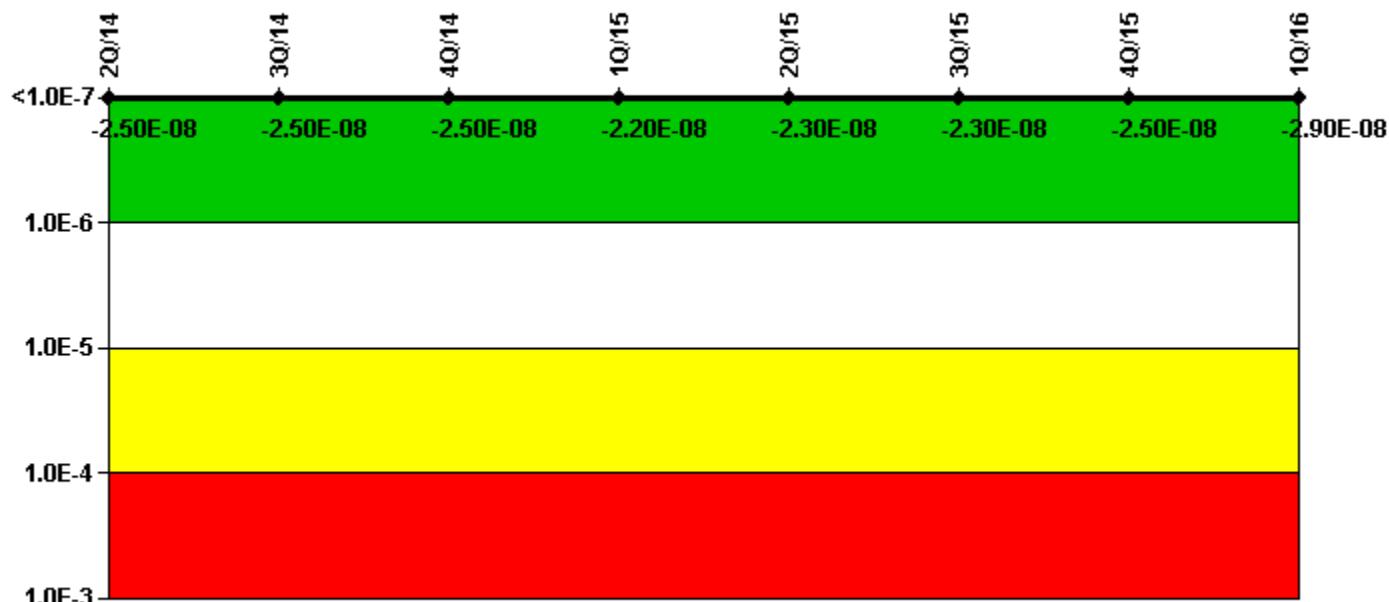
Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (Δ CDF)	-8.30E-12	-8.24E-12	-8.34E-12	-8.24E-12	-8.24E-12	-8.24E-12	-8.23E-12	-8.26E-12
URI (Δ CDF)	-6.94E-09	-4.66E-09	-4.67E-09	-4.67E-09	-4.67E-09	-4.65E-09	-4.66E-09	-4.69E-09
PLE	NO							
Indicator value	-6.90E-09	-4.70E-09						

Licensee Comments:

3Q/14: ANO-1 HPI Reliability for P36A in August was revised. Oper Non-Test demands and Run Hours were originally reported under Test. This change dose not affect the color of this indicator.

Mitigating Systems Performance Index, Heat Removal System



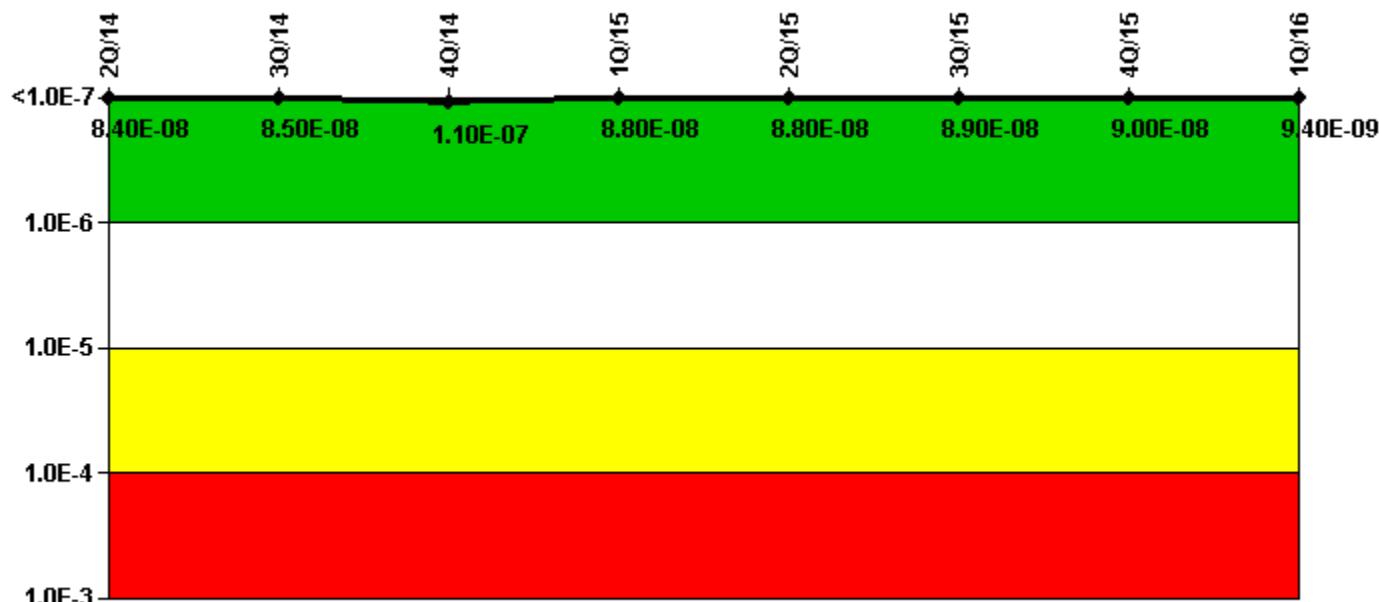
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

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)	-3.29E-09	-4.02E-09	-4.59E-09	5.76E-10	-1.14E-09	-1.14E-09	-3.57E-09	-6.33E-09
URI (Δ CDF)	-2.17E-08	-2.06E-08	-2.01E-08	-2.22E-08	-2.22E-08	-2.14E-08	-2.19E-08	-2.22E-08
PLE	NO							
Indicator value	-2.50E-08	-2.50E-08	-2.50E-08	-2.20E-08	-2.30E-08	-2.30E-08	-2.50E-08	-2.90E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



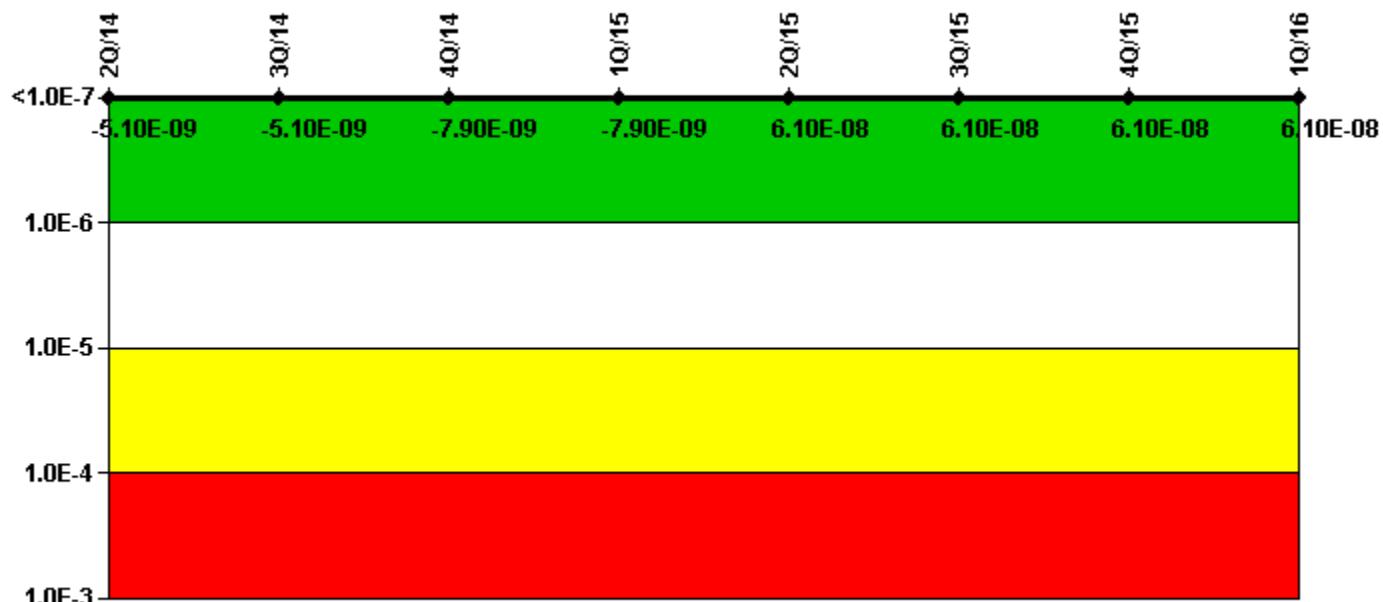
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (Δ CDF)	4.66E-08	4.73E-08	5.58E-08	5.09E-08	5.09E-08	5.06E-08	4.80E-08	5.48E-08
URI (Δ CDF)	3.76E-08	3.73E-08	5.08E-08	3.66E-08	3.66E-08	3.86E-08	4.25E-08	-4.54E-08
PLE	NO							
Indicator value	8.40E-08	8.50E-08	1.10E-07	8.80E-08	8.80E-08	8.90E-08	9.00E-08	9.40E-09

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



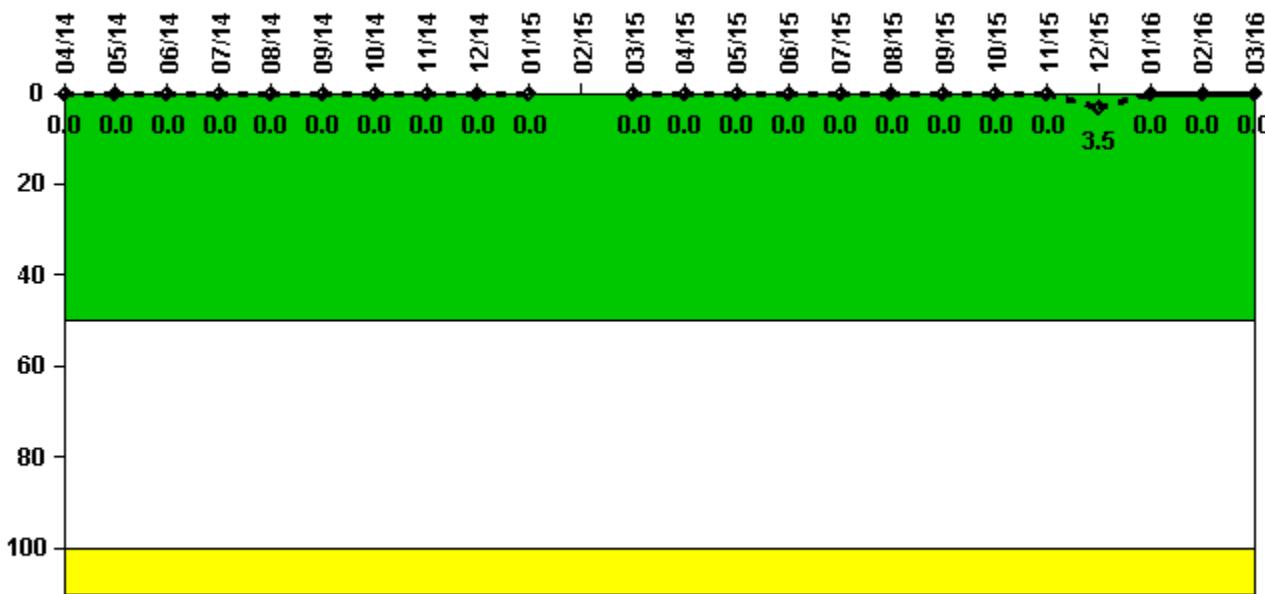
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
UAI (Δ CDF)	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09
URI (Δ CDF)	-1.71E-09	-1.67E-09	-4.48E-09	-4.48E-09	6.47E-08	6.47E-08	6.47E-08	6.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.10E-09	-5.10E-09	-7.90E-09	-7.90E-09	6.10E-08	6.10E-08	6.10E-08	6.10E-08

Licensee Comments: none

Reactor Coolant System Activity



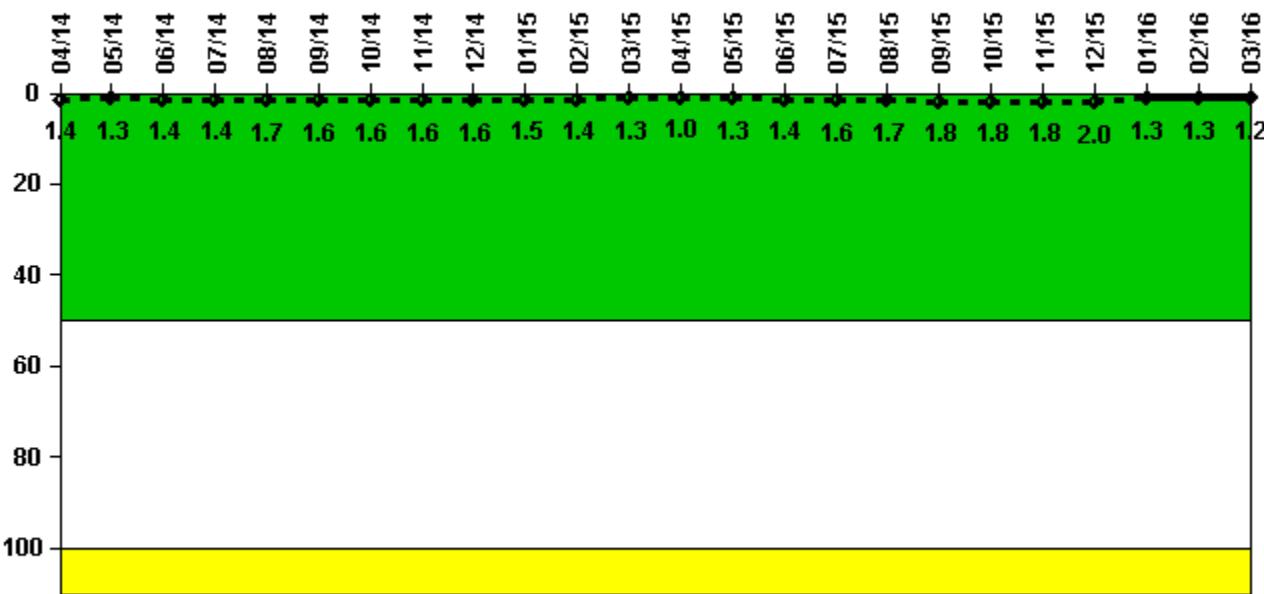
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/14	5/14	6/14	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15
Maximum activity	0.000084	0.000063	0.000090	0.000142	0.000103	0.000157	0.000160	0.000185	0.000144	0.000149	N/A	0.000049
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	0	0	0	N/A	0
Reactor Coolant System Activity	4/15	5/15	6/15	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16
Maximum activity	0.000053	0.000058	0.000216	0.000220	0.000208	0.000143	0.000140	0.000194	0.034700	0.000122	0.000153	0.000173
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	0	3.5	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



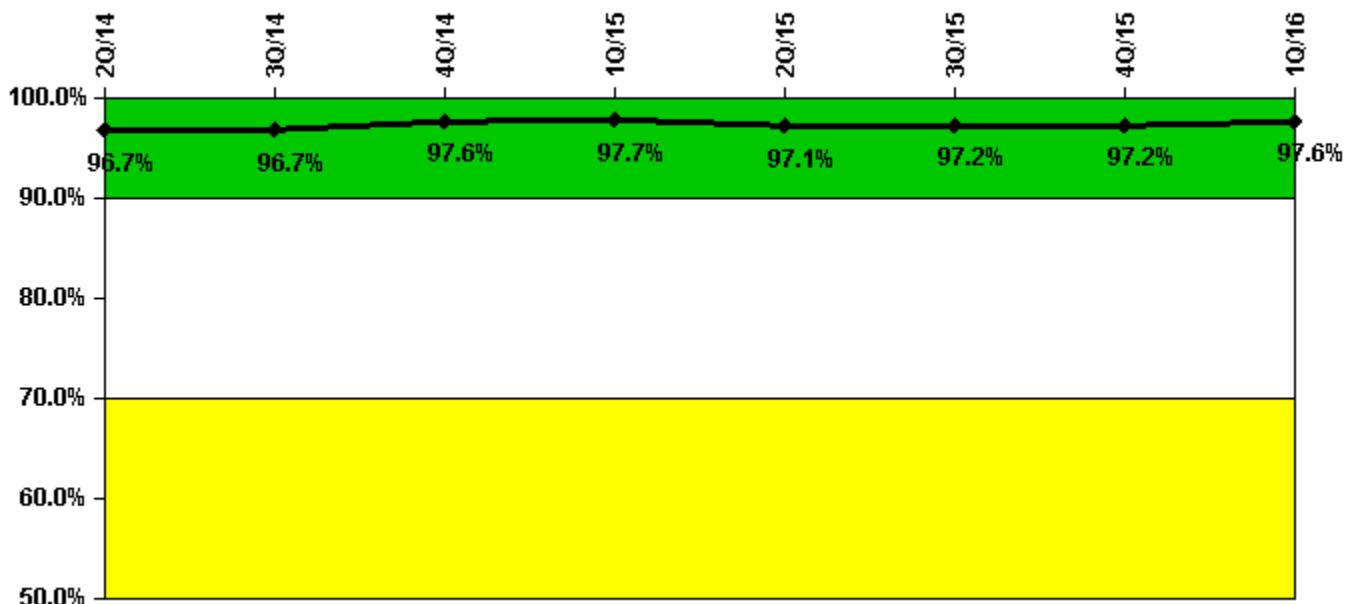
Thresholds: White > 50.0 Yellow > 100.0

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	0.137	0.125	0.138	0.135	0.165	0.164	0.159	0.160	0.159	0.148	0.135	0.127
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	1.4	1.7	1.6	1.6	1.6	1.6	1.5	1.4	1.3
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	0.100	0.125	0.137	0.163	0.168	0.177	0.175	0.182	0.198	0.132	0.128	0.116
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	1.3	1.4	1.6	1.7	1.8	1.8	1.8	2.0	1.3	1.3	1.2

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	45.0	108.0	61.0	16.0	93.0	65.0	19.0	31.0
Total opportunities	45.0	111.0	61.0	16.0	98.0	67.0	19.0	32.0
Indicator value	96.7%	96.7%	97.6%	97.7%	97.1%	97.2%	97.2%	97.6%

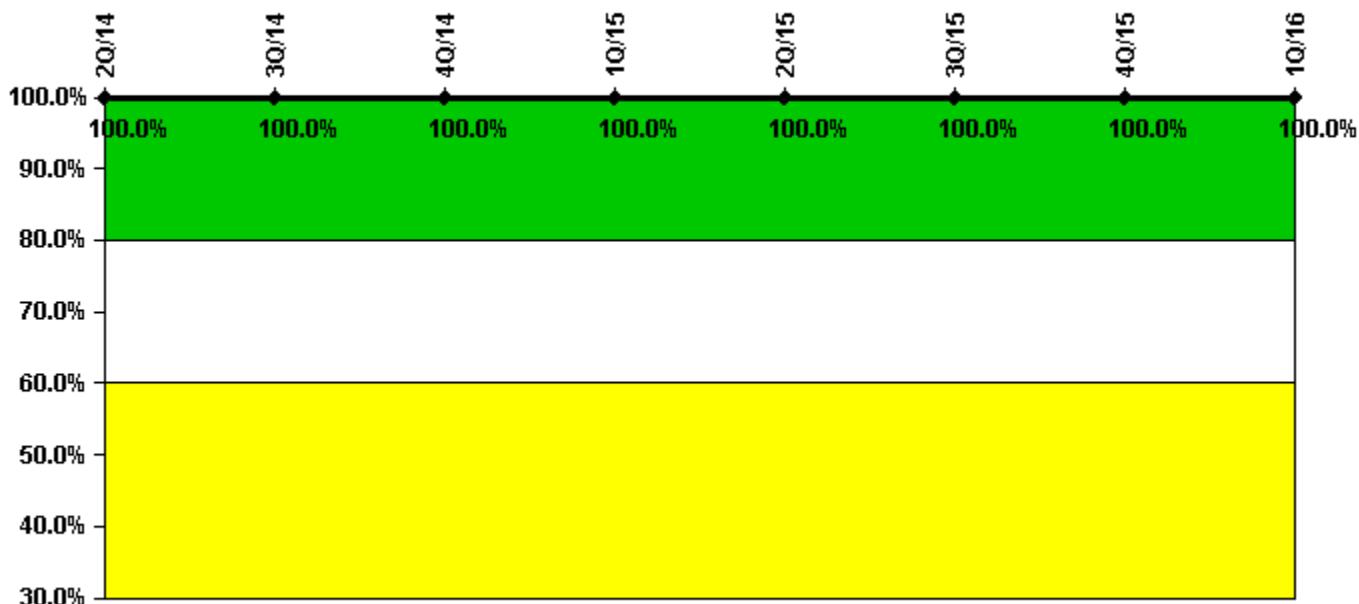
Licensee Comments:

2Q/15: The June Drill/Exercise Performance is being revised to include two Shift Manager requalification exams. This change does not affect the color of the Drill/Exercise Performance indicator.

3Q/14: The September Drill / Exercise Performance was revised to included three notification communicator drills. This change dose not affect the color of this indicator.

2Q/14: Change to correct counting of the number of drills performed in the 2nd qtr. (Changed October 2014 does not affect the color of this indicator)

ERO Drill Participation



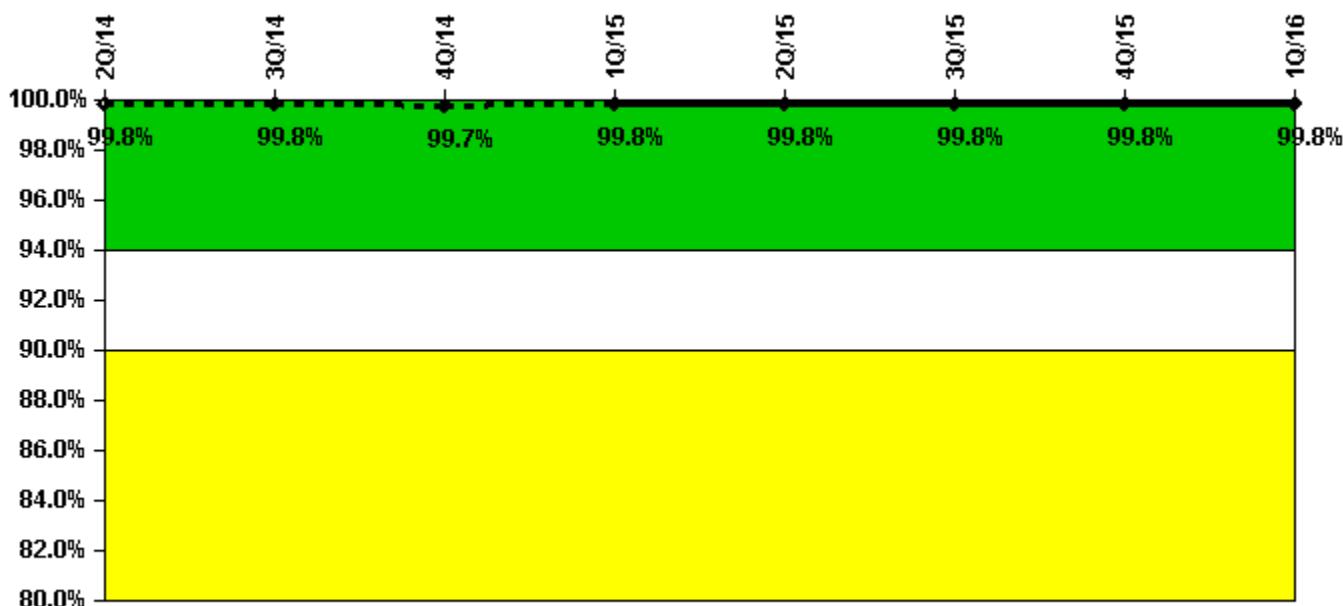
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Participating Key personnel	118.0	119.0	116.0	113.0	109.0	106.0	103.0	103.0
Total Key personnel	118.0	119.0	116.0	113.0	109.0	106.0	103.0	103.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



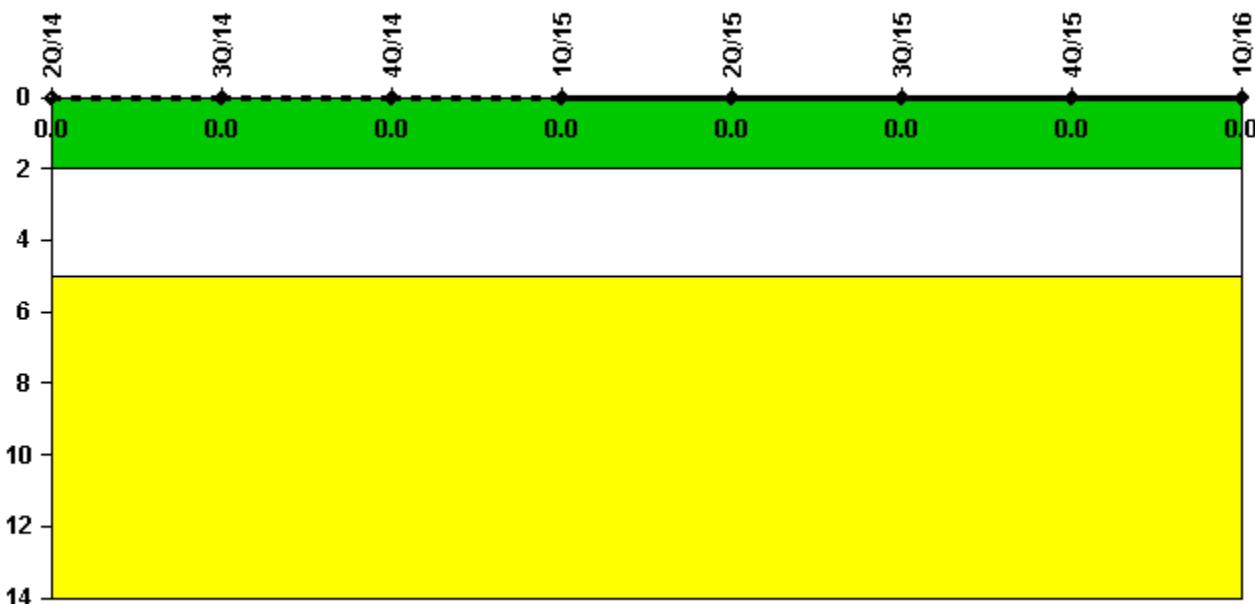
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Successful siren-tests	147	147	146	147	147	147	146	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.8%	99.8%	99.7%	99.8%	99.8%	99.8%	99.8%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness

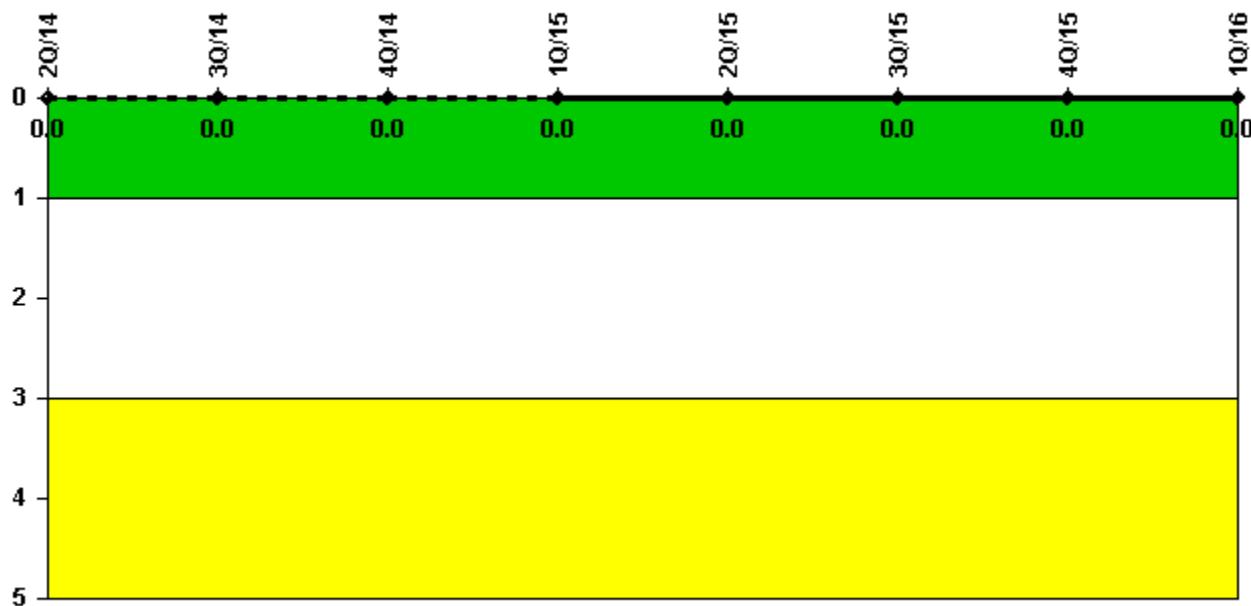


Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/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

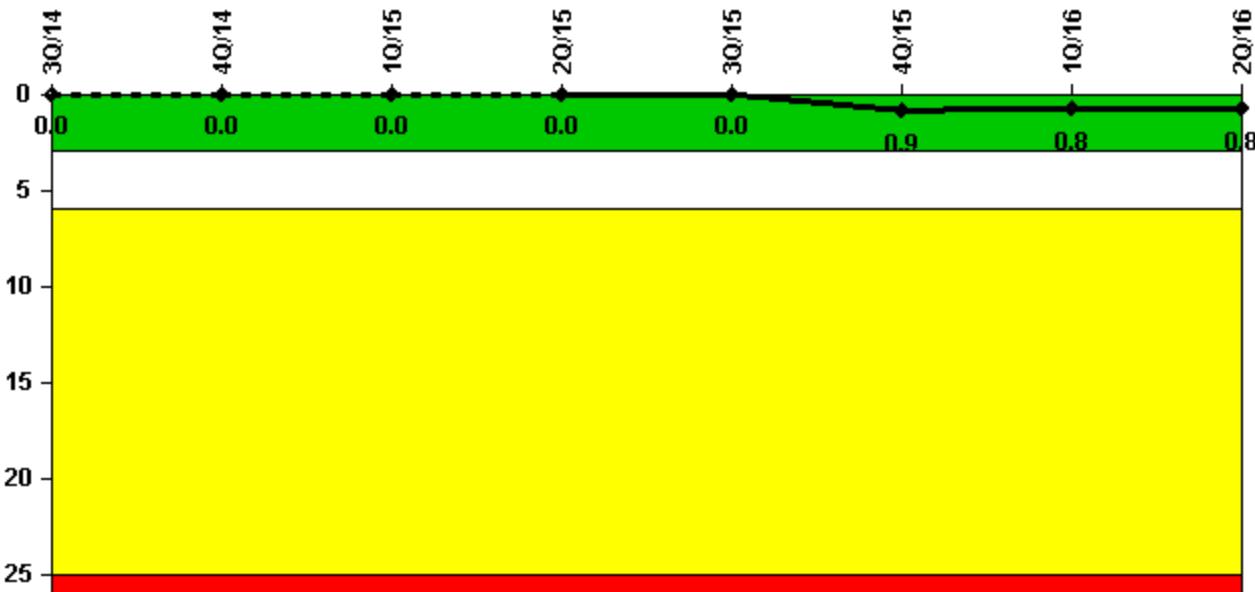
Arkansas Nuclear 1

2Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



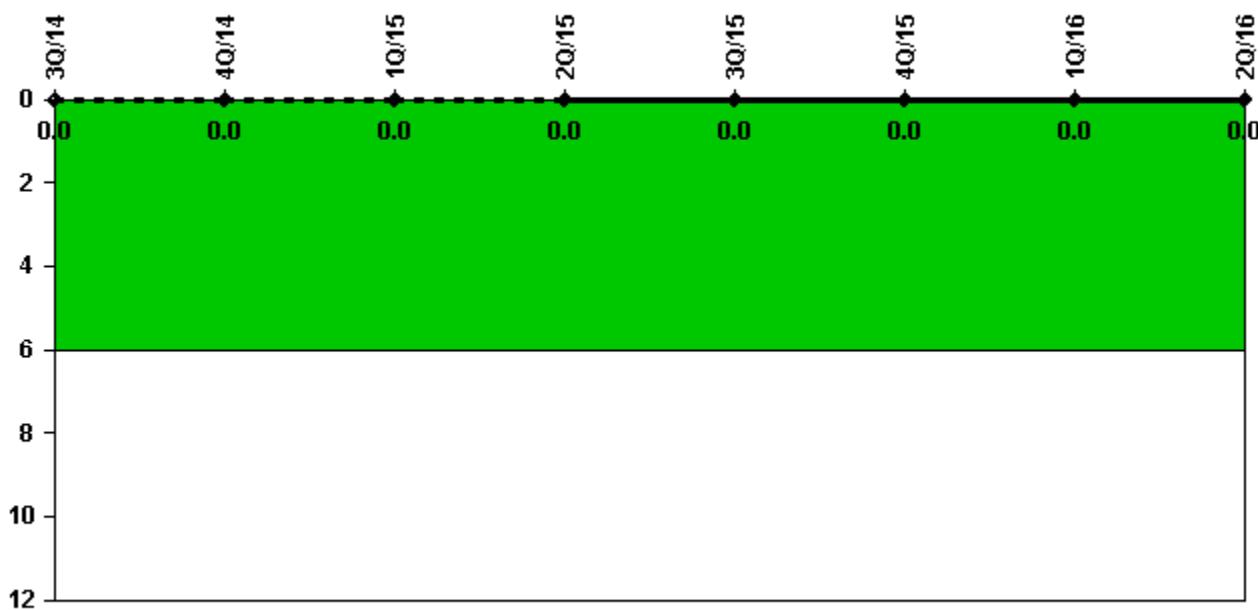
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	0	0	0	0	0	1.0	0	0
Critical hours	2208.0	2209.0	1339.4	2184.0	2208.0	2141.3	2183.0	2184.0
Indicator value	0	0	0	0	0	0.9	0.8	0.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



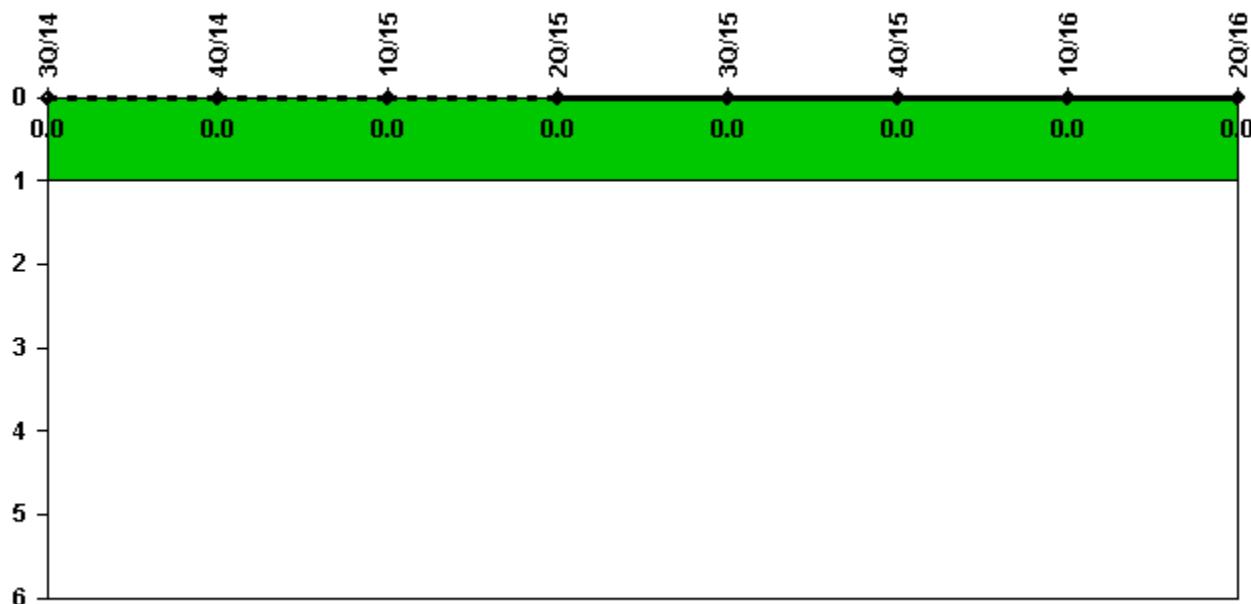
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	1339.4	2184.0	2208.0	2141.3	2183.0	2184.0
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications



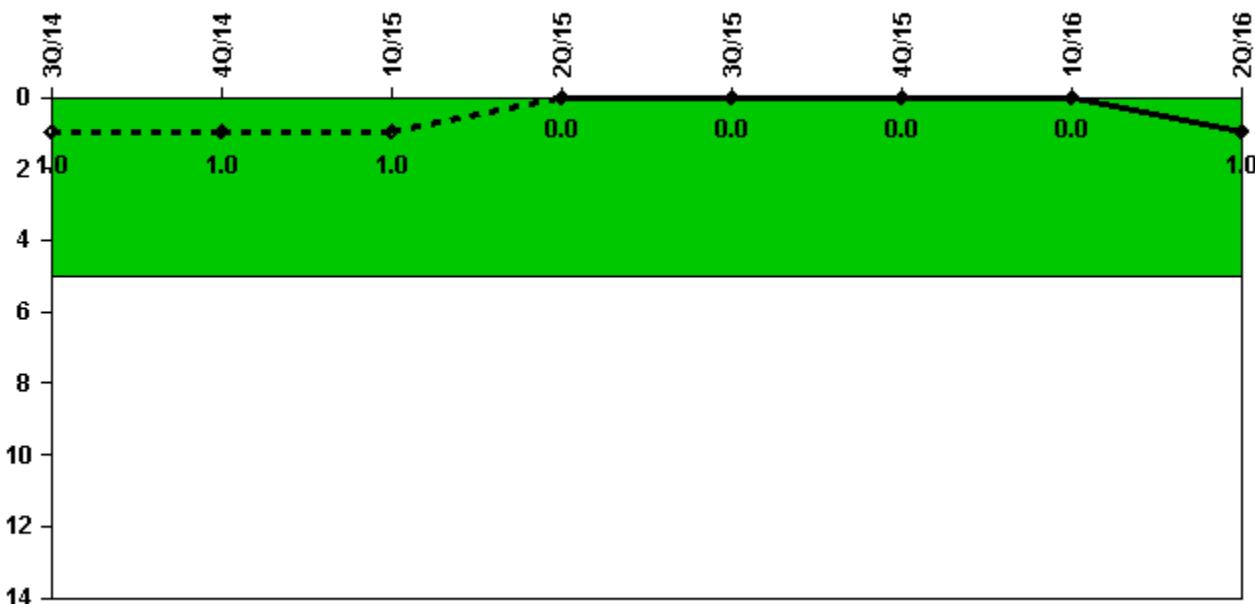
Thresholds: White > 1.0

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

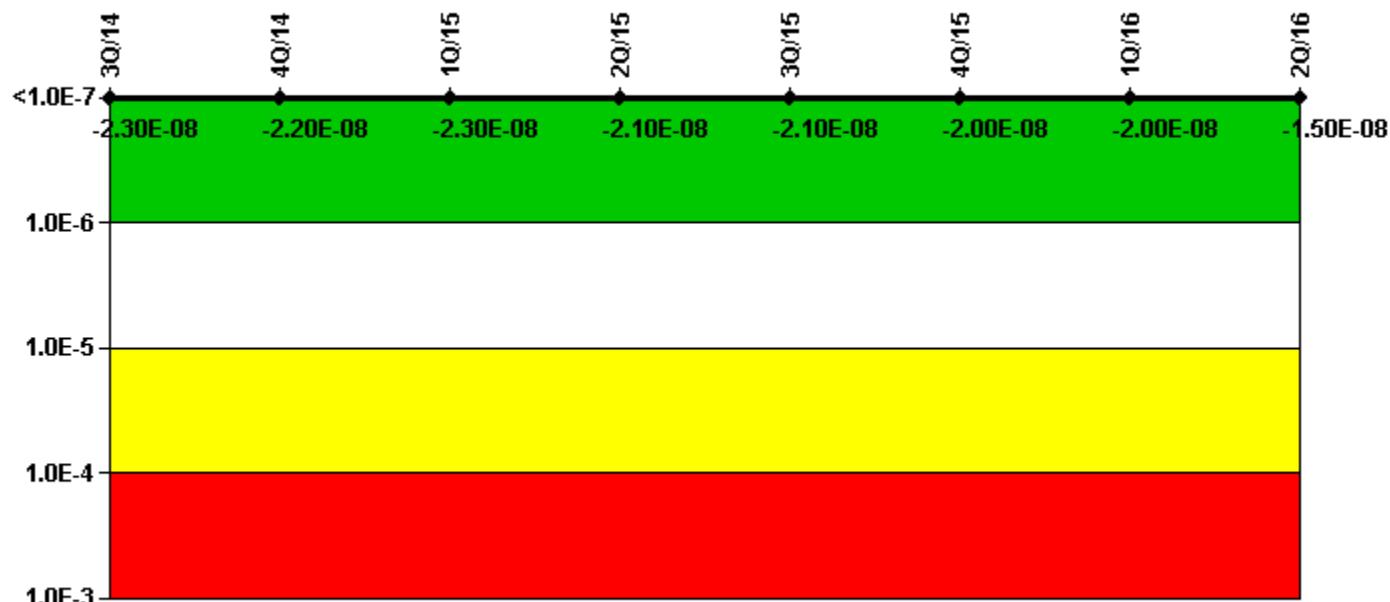
Notes

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

Licensee Comments:

2Q/16: LER 50-313/2016-001-00

Mitigating Systems Performance Index, Emergency AC Power System



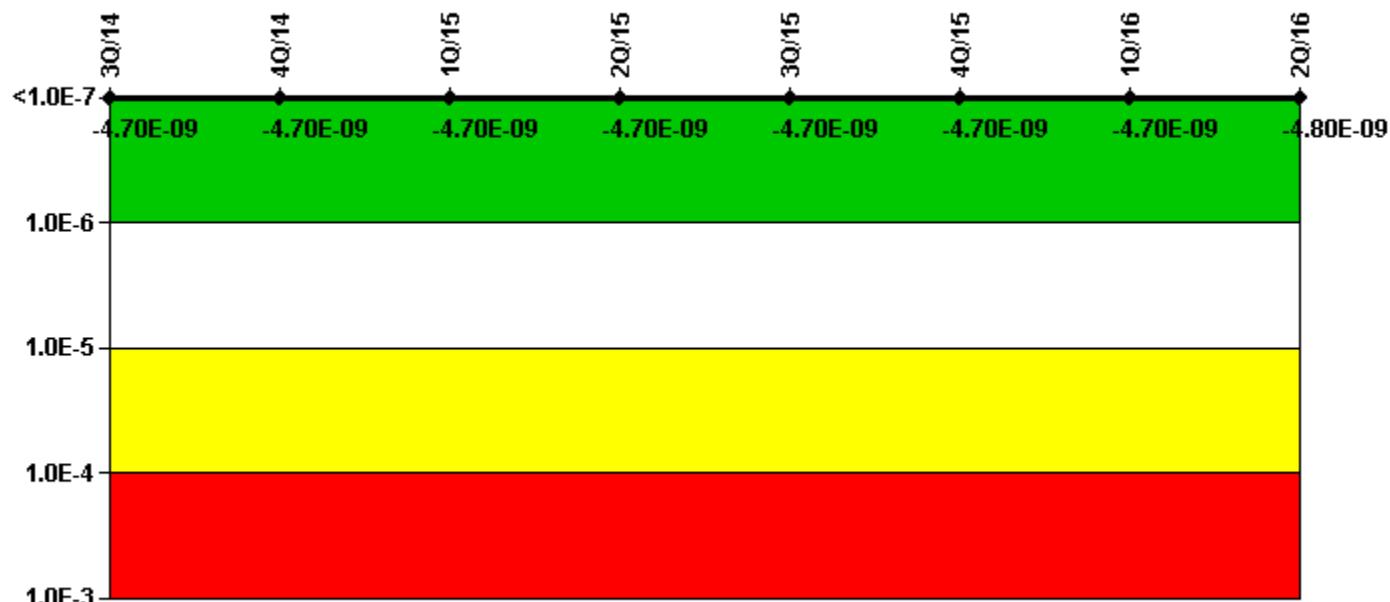
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)	-2.20E-09	-2.21E-09	-2.20E-09	-9.63E-10	-7.00E-10	5.40E-10	5.36E-10	-4.95E-10
URI (Δ CDF)	-2.11E-08	-2.03E-08	-2.04E-08	-2.05E-08	-2.04E-08	-2.05E-08	-2.02E-08	-1.46E-08
PLE	NO							
Indicator value	-2.30E-08	-2.20E-08	-2.30E-08	-2.10E-08	-2.10E-08	-2.00E-08	-2.00E-08	-1.50E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



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

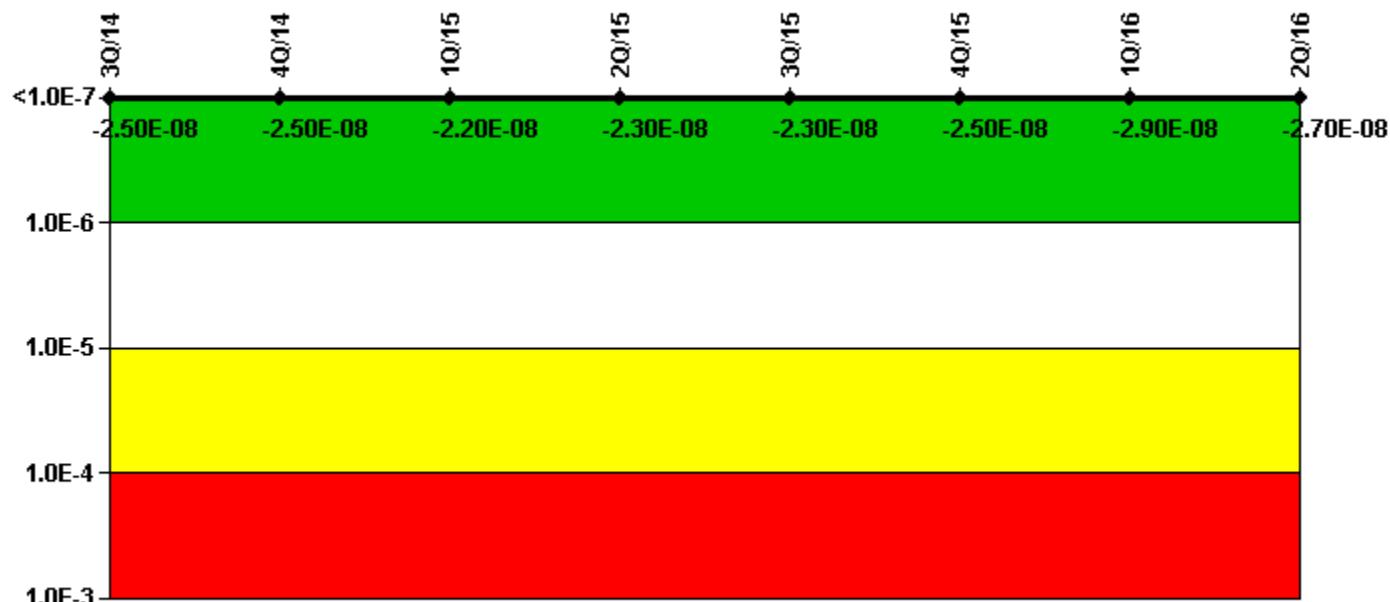
Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	-8.24E-12	-8.34E-12	-8.24E-12	-8.24E-12	-8.24E-12	-8.23E-12	-8.26E-12	-8.49E-12
URI (Δ CDF)	-4.66E-09	-4.67E-09	-4.67E-09	-4.67E-09	-4.65E-09	-4.66E-09	-4.69E-09	-4.76E-09
PLE	NO							
Indicator value	-4.70E-09	-4.80E-09						

Licensee Comments:

3Q/14: ANO-1 HPI Reliability for P36A in August was revised. Oper Non-Test demands and Run Hours were originally reported under Test. This change does not affect the color of this indicator.

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)	-4.02E-09	-4.59E-09	5.76E-10	-1.14E-09	-1.14E-09	-3.57E-09	-6.33E-09	-3.95E-09
URI (Δ CDF)	-2.06E-08	-2.01E-08	-2.22E-08	-2.22E-08	-2.14E-08	-2.19E-08	-2.22E-08	-2.29E-08
PLE	NO							
Indicator value	-2.50E-08	-2.50E-08	-2.20E-08	-2.30E-08	-2.30E-08	-2.50E-08	-2.90E-08	-2.70E-08

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



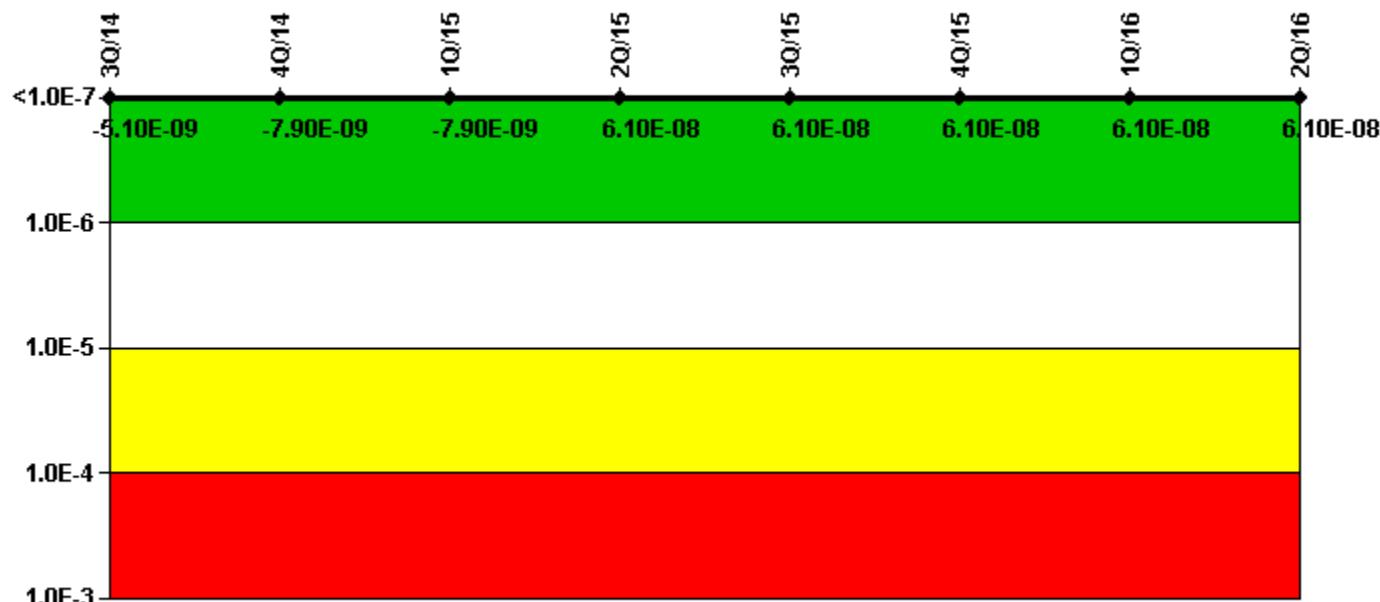
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	4.73E-08	5.58E-08	5.09E-08	5.09E-08	5.06E-08	4.80E-08	5.48E-08	4.88E-08
URI (Δ CDF)	3.73E-08	5.08E-08	3.66E-08	3.66E-08	3.86E-08	4.25E-08	-4.54E-08	-3.77E-08
PLE	NO							
Indicator value	8.50E-08	1.10E-07	8.80E-08	8.80E-08	8.90E-08	9.00E-08	9.40E-09	1.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



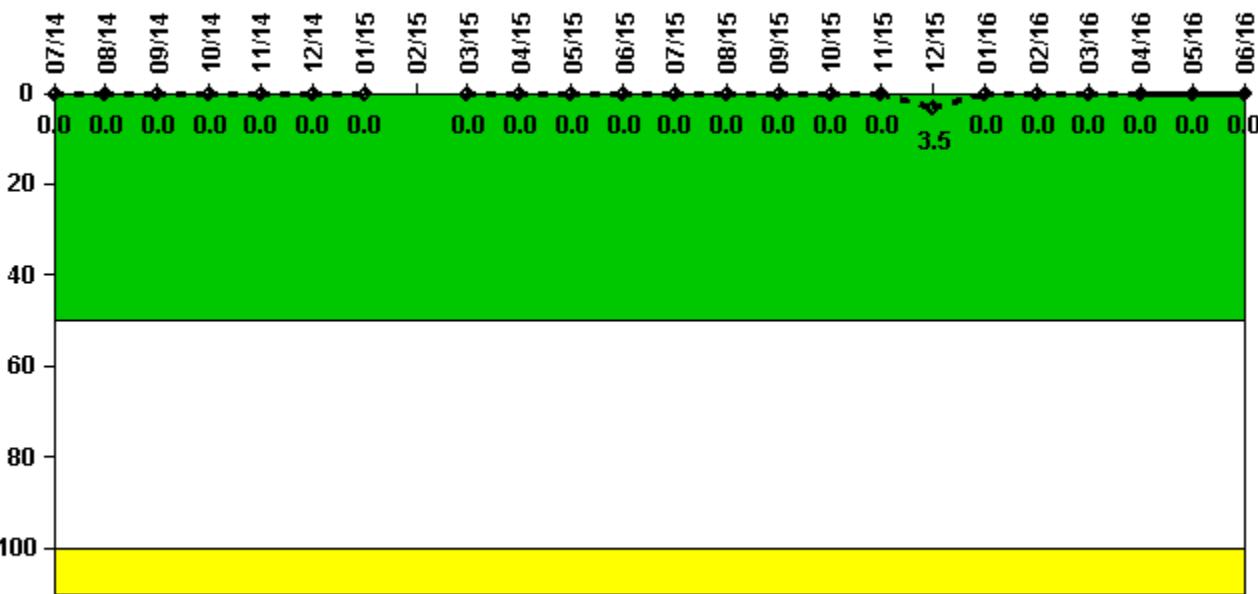
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
UAI (Δ CDF)	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.40E-09
URI (Δ CDF)	-1.67E-09	-4.48E-09	-4.48E-09	6.47E-08	6.47E-08	6.47E-08	6.47E-08	6.48E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.10E-09	-7.90E-09	-7.90E-09	6.10E-08	6.10E-08	6.10E-08	6.10E-08	6.10E-08

Licensee Comments: none

Reactor Coolant System Activity



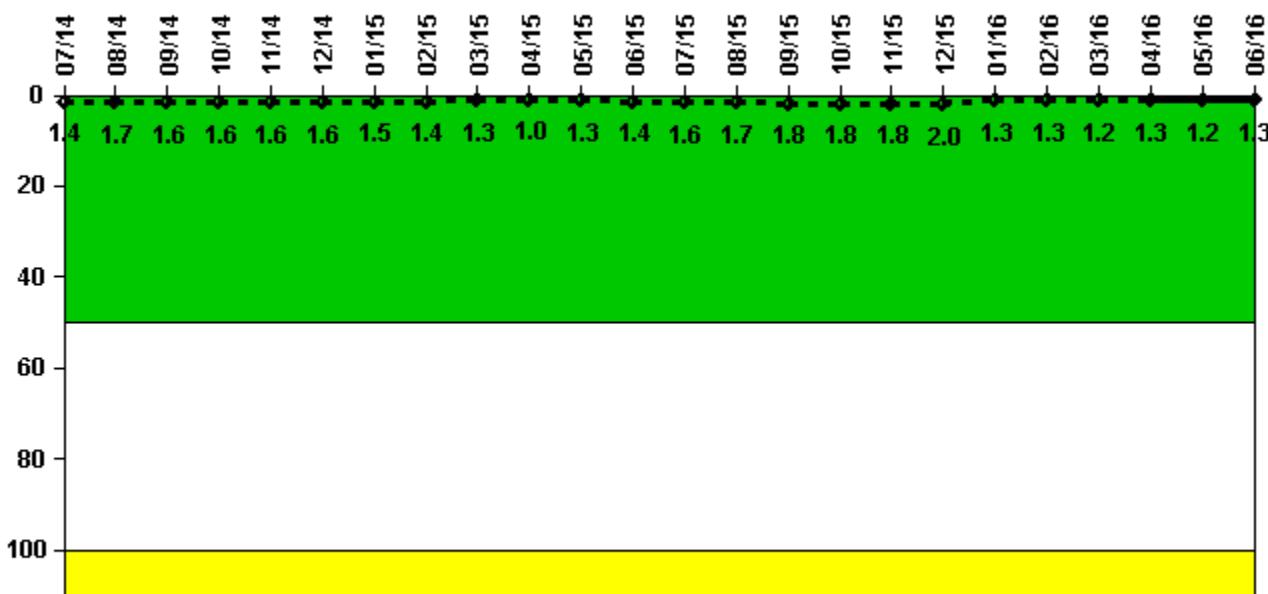
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	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	0.000142	0.000103	0.000157	0.000160	0.000185	0.000144	0.000149	N/A	0.000049	0.000053	0.000058	0.000216
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
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	0.000220	0.000208	0.000143	0.000140	0.000194	0.034700	0.000122	0.000153	0.000173	0.000166	0.000214	0.000207
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	3.5	0	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Leakage



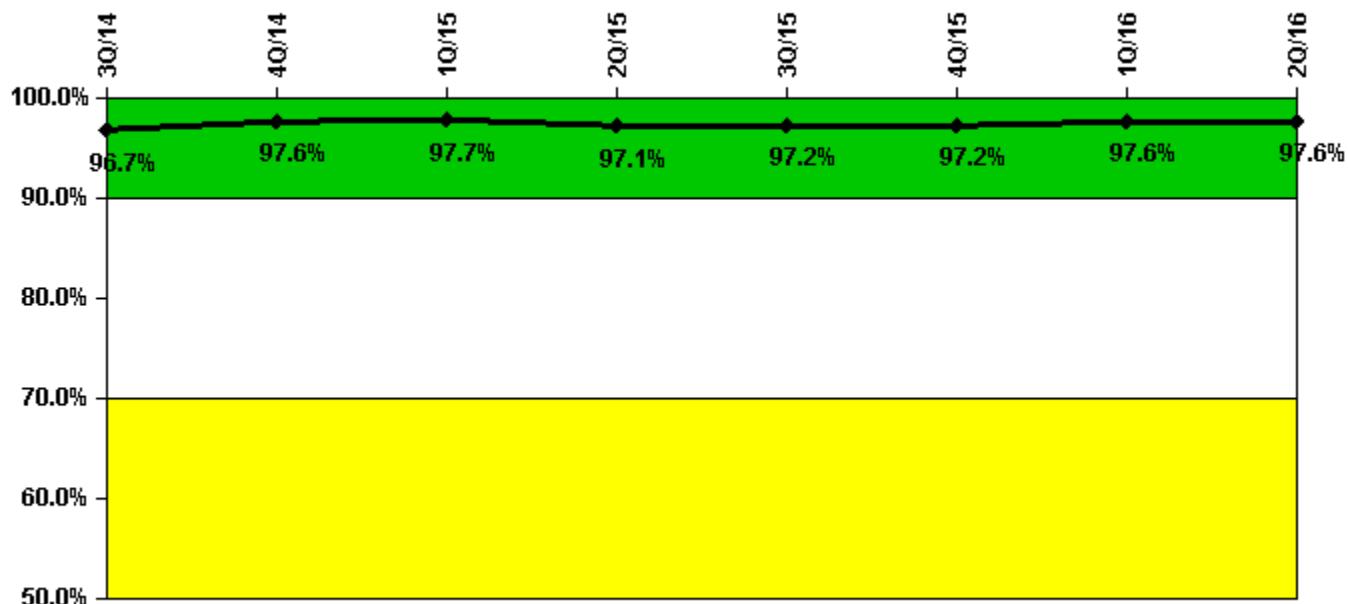
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum leakage	0.135	0.165	0.164	0.159	0.160	0.159	0.148	0.135	0.127	0.100	0.125	0.137
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	1.7	1.6	1.6	1.6	1.6	1.5	1.4	1.3	1.0	1.3	1.4
Reactor Coolant System Leakage	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum leakage	0.163	0.168	0.177	0.175	0.182	0.198	0.132	0.128	0.116	0.125	0.121	0.125
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	1.6	1.7	1.8	1.8	1.8	2.0	1.3	1.3	1.2	1.3	1.2	1.3

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

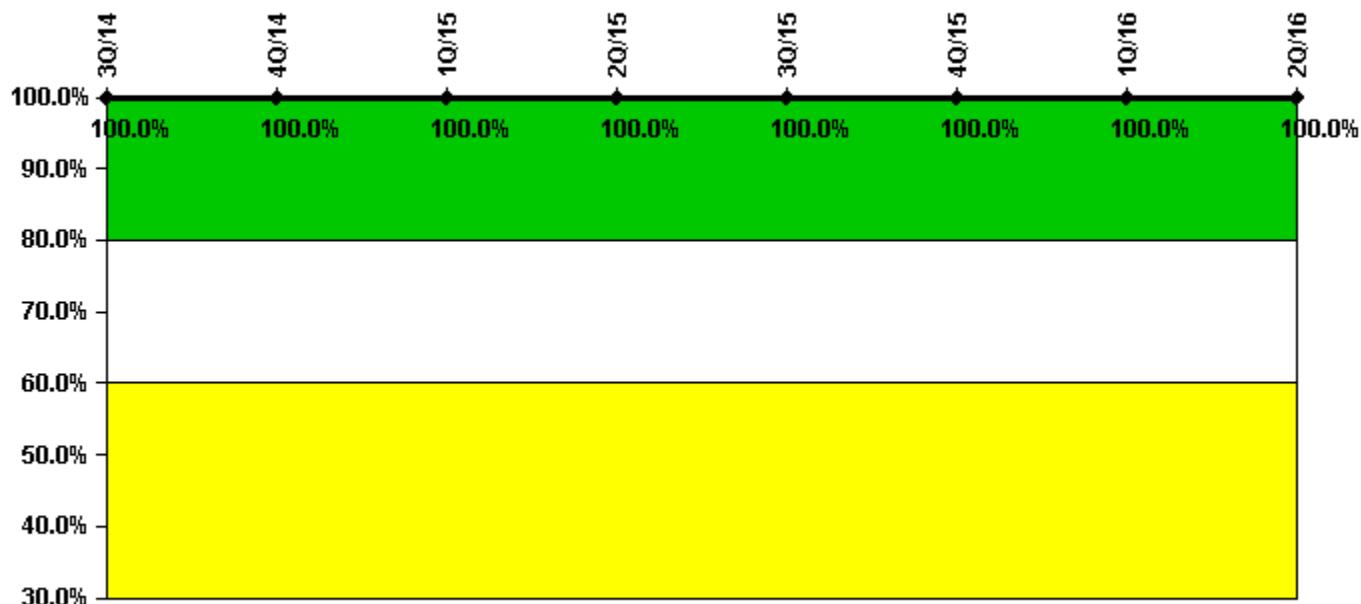
Drill/Exercise Performance	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful opportunities	108.0	61.0	16.0	93.0	65.0	19.0	31.0	93.0
Total opportunities	111.0	61.0	16.0	98.0	67.0	19.0	32.0	94.0
Indicator value	96.7%	97.6%	97.7%	97.1%	97.2%	97.2%	97.6%	97.6%

Licensee Comments:

2Q/15: The June Drill/Exercise Performance is being revised to include two Shift Manager requalification exams. This change does not affect the color of the Drill/Exercise Performance indicator.

3Q/14: The September Drill / Exercise Performance was revised to included three notification communicator drills. This change dose not affect the color of this indicator.

ERO Drill Participation



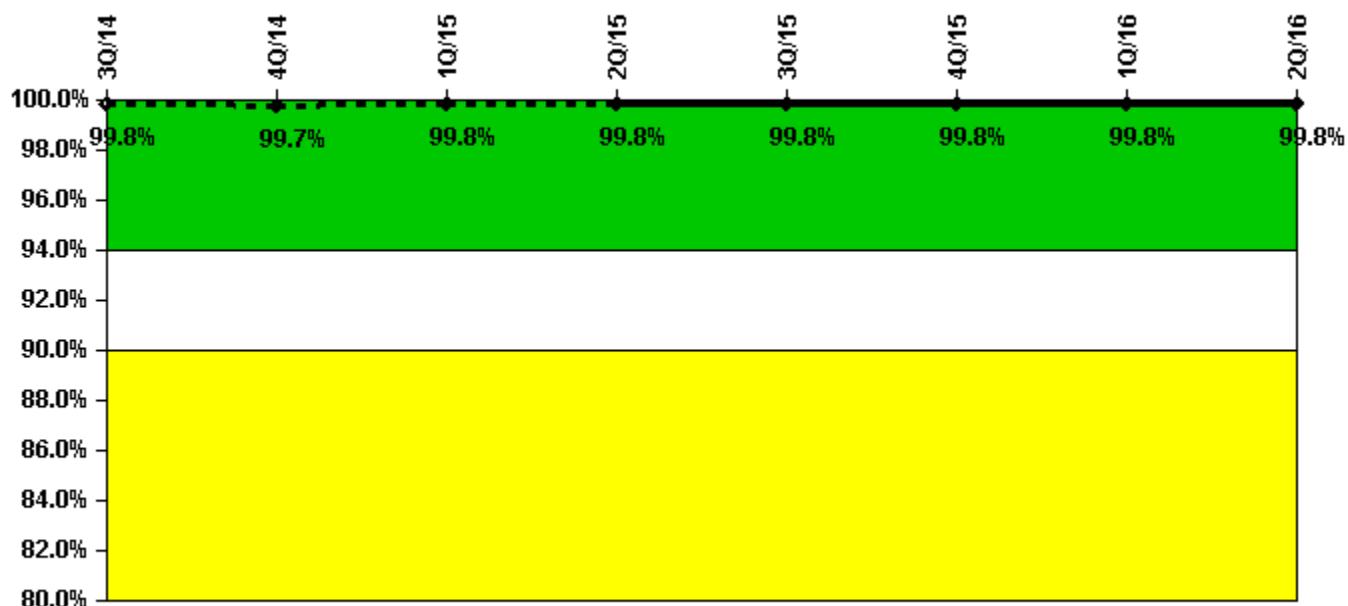
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Participating Key personnel	119.0	116.0	113.0	109.0	106.0	103.0	103.0	108.0
Total Key personnel	119.0	116.0	113.0	109.0	106.0	103.0	103.0	108.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



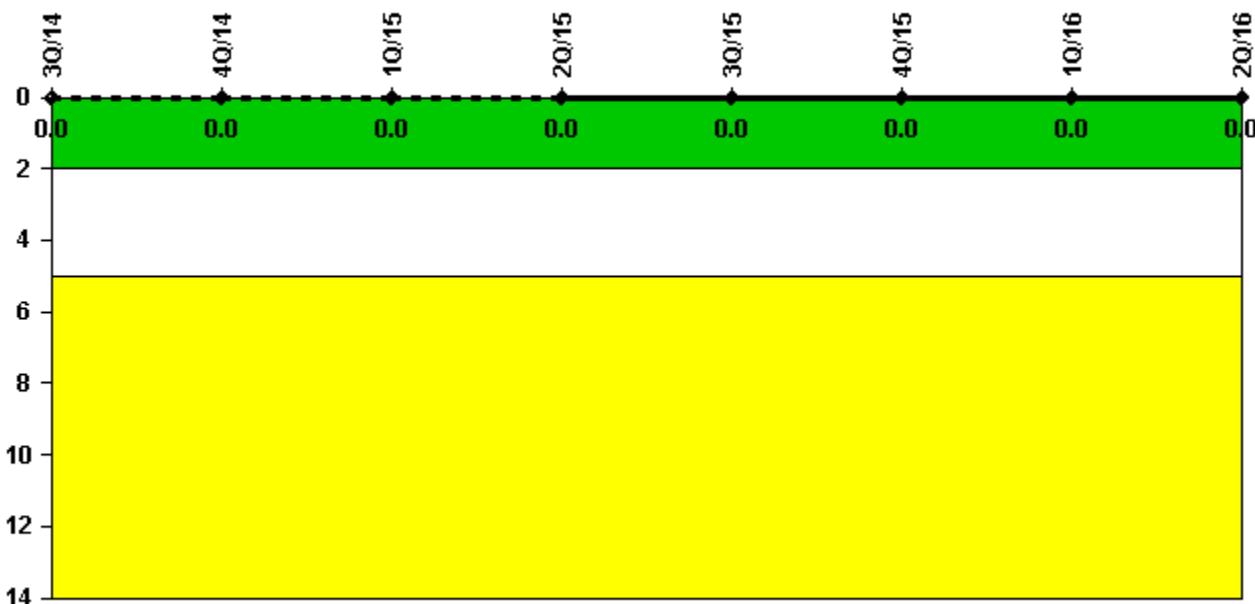
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Successful siren-tests	147	146	147	147	147	146	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.8%	99.7%	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



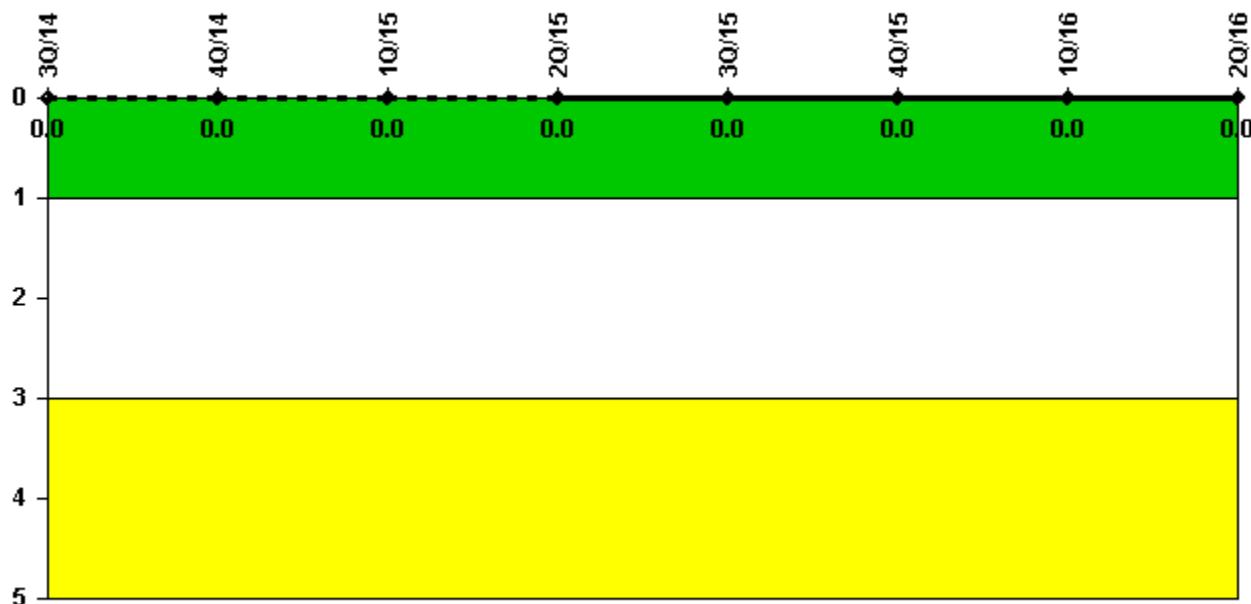
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/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

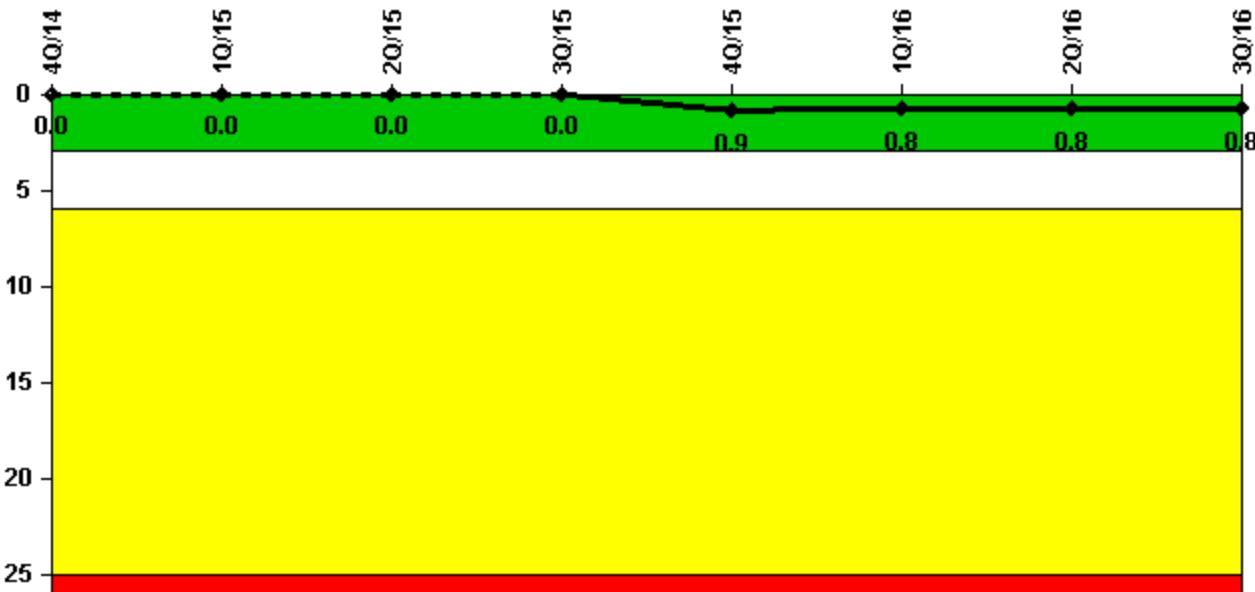
Arkansas Nuclear 1

3Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



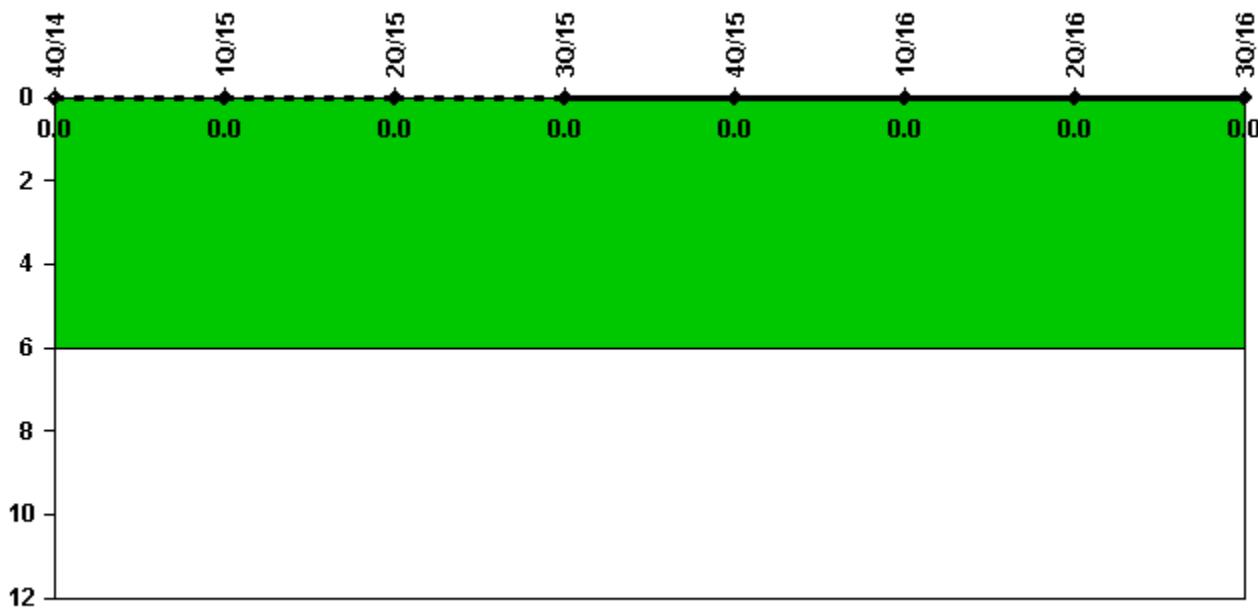
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0
Critical hours	2209.0	1339.4	2184.0	2208.0	2141.3	2183.0	2184.0	2040.1
Indicator value	0	0	0	0	0.9	0.8	0.8	0.8

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



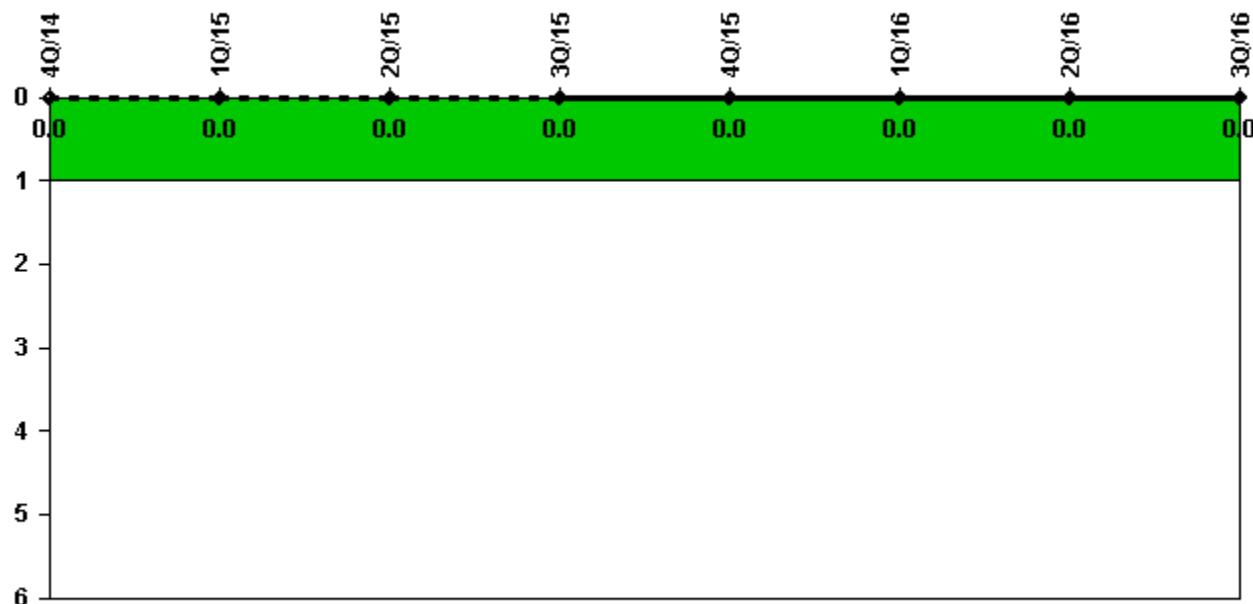
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/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	1339.4	2184.0	2208.0	2141.3	2183.0	2184.0	2040.1
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications



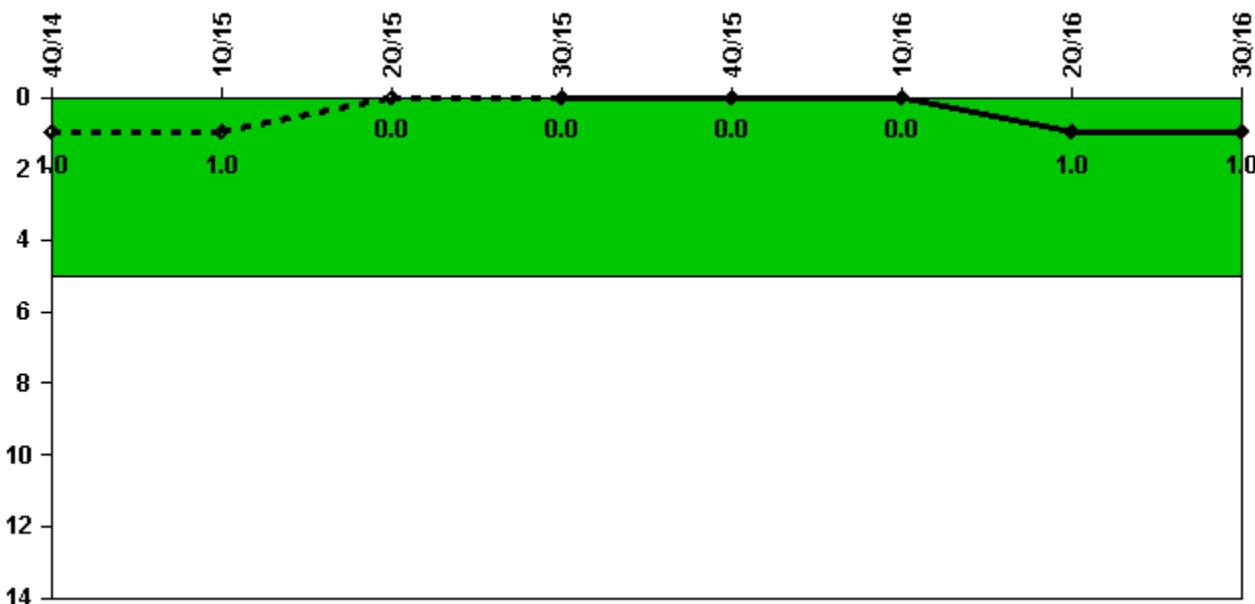
Thresholds: White > 1.0

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	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

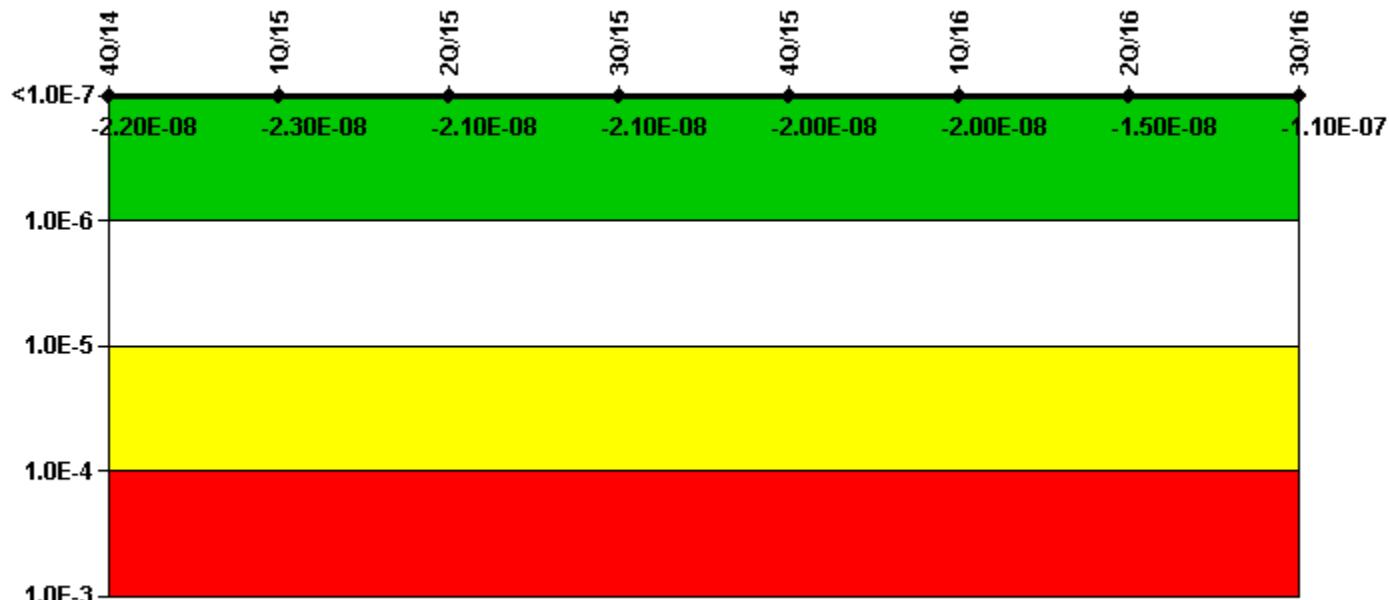
Notes

Safety System Functional Failures (PWR)	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Safety System Functional Failures	0	0	0	0	0	0	1	0
Indicator value	1	1	0	0	0	0	1	1

Licensee Comments:

2Q/16: LER 50-313/2016-001-00

Mitigating Systems Performance Index, Emergency AC Power System



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

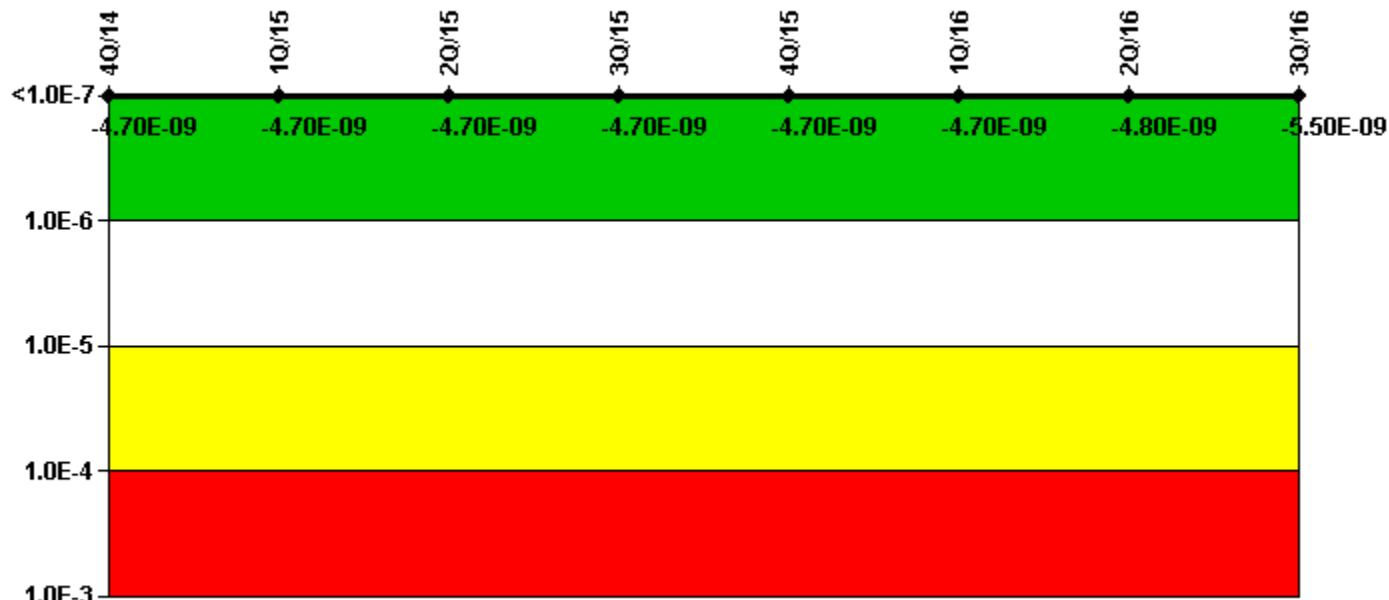
Notes

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)	-2.21E-09	-2.20E-09	-9.63E-10	-7.00E-10	5.40E-10	5.36E-10	-4.95E-10	-6.70E-09
URI (Δ CDF)	-2.03E-08	-2.04E-08	-2.05E-08	-2.04E-08	-2.05E-08	-2.02E-08	-1.46E-08	-1.01E-07
PLE	NO							
Indicator value	-2.20E-08	-2.30E-08	-2.10E-08	-2.10E-08	-2.00E-08	-2.00E-08	-1.50E-08	-1.10E-07

Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values and Unreliability FV/UA values.

Mitigating Systems Performance Index, High Pressure Injection System



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

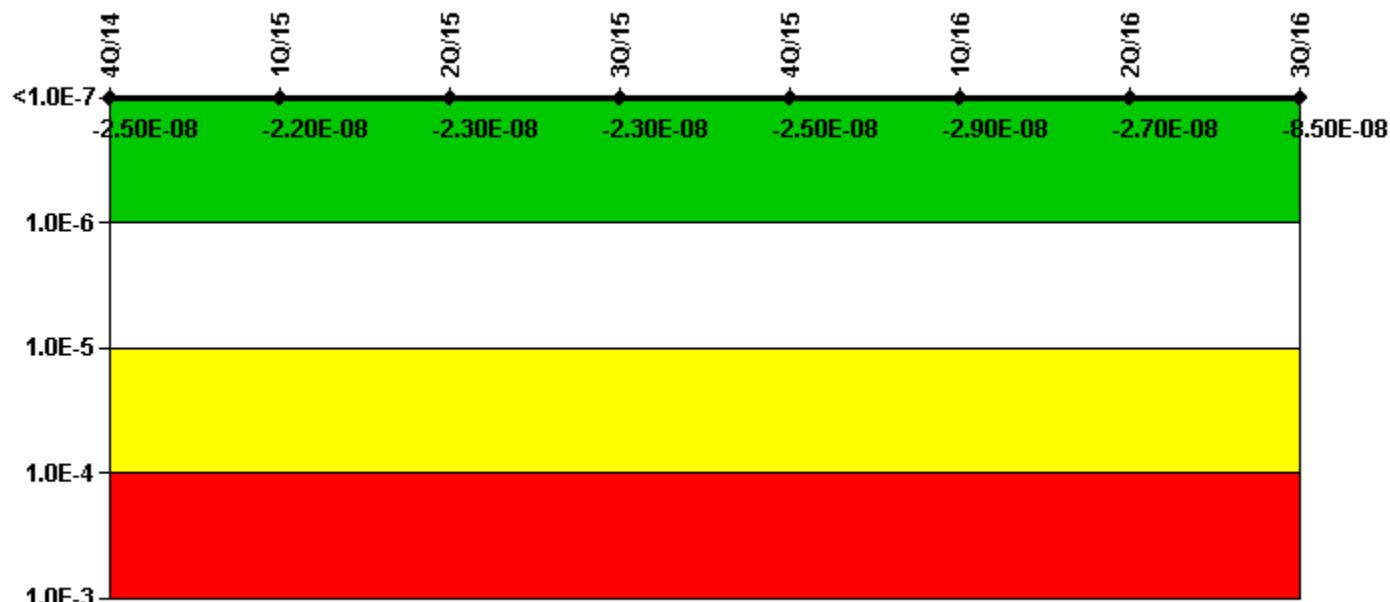
Notes

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)	-8.34E-12	-8.24E-12	-8.24E-12	-8.24E-12	-8.23E-12	-8.26E-12	-8.49E-12	-3.43E-12
URI (Δ CDF)	-4.67E-09	-4.67E-09	-4.67E-09	-4.65E-09	-4.66E-09	-4.69E-09	-4.76E-09	-5.46E-09
PLE	NO							
Indicator value	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.80E-09	-5.50E-09

Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values and Estimated Reliability values.

Mitigating Systems Performance Index, Heat Removal System



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

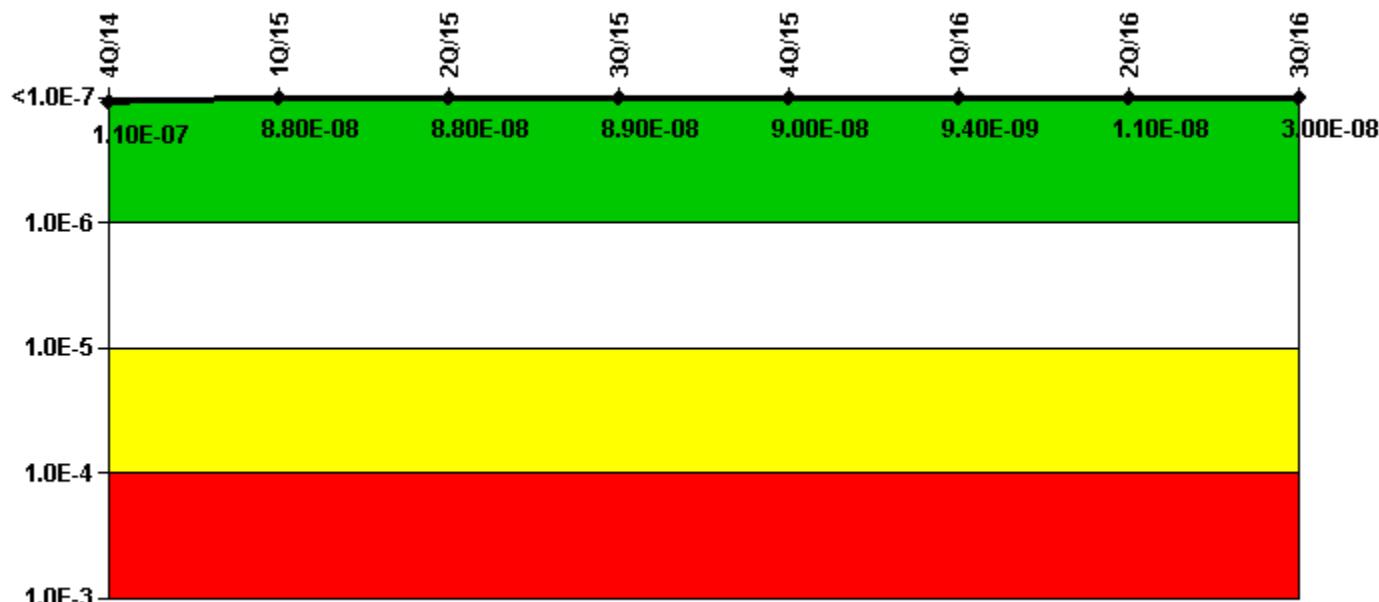
Notes

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)	-4.59E-09	5.76E-10	-1.14E-09	-1.14E-09	-3.57E-09	-6.33E-09	-3.95E-09	-3.64E-08
URI (Δ CDF)	-2.01E-08	-2.22E-08	-2.22E-08	-2.14E-08	-2.19E-08	-2.22E-08	-2.29E-08	-4.88E-08
PLE	NO							
Indicator value	-2.50E-08	-2.20E-08	-2.30E-08	-2.30E-08	-2.50E-08	-2.90E-08	-2.70E-08	-8.50E-08

Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values, and Devices in-scope.

Mitigating Systems Performance Index, Residual Heat Removal System



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

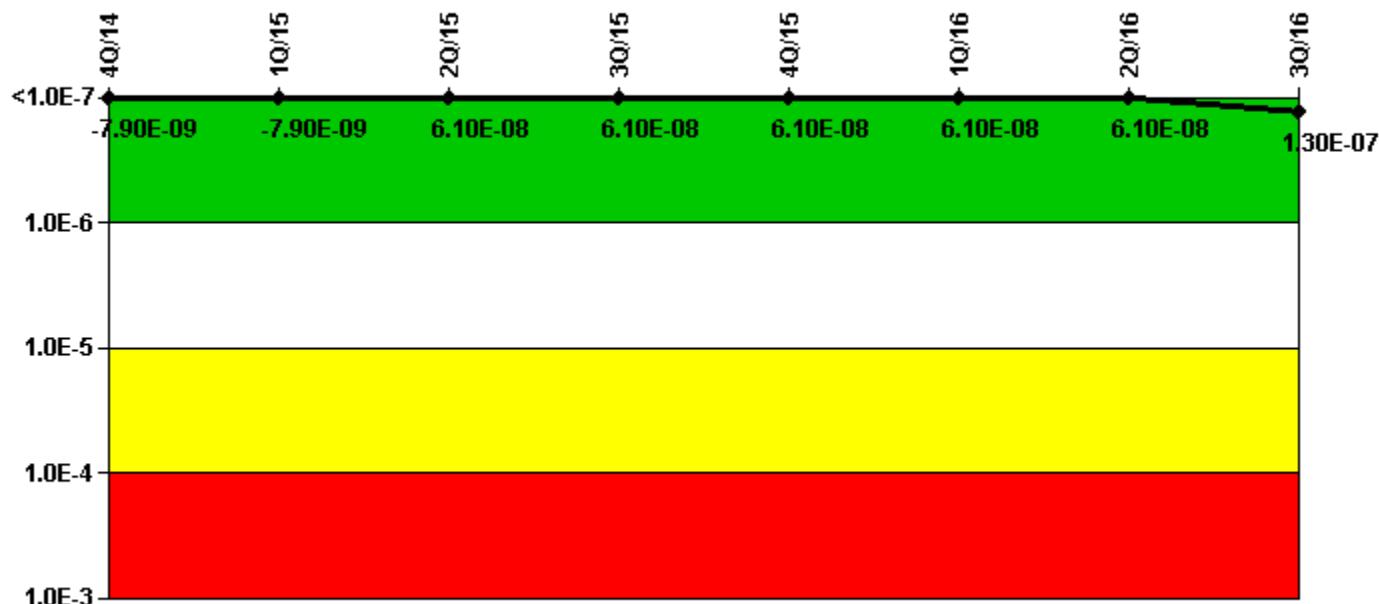
Notes

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)	5.58E-08	5.09E-08	5.09E-08	5.06E-08	4.80E-08	5.48E-08	4.88E-08	6.14E-08
URI (Δ CDF)	5.08E-08	3.66E-08	3.66E-08	3.86E-08	4.25E-08	-4.54E-08	-3.77E-08	-3.16E-08
PLE	NO							
Indicator value	1.10E-07	8.80E-08	8.80E-08	8.90E-08	9.00E-08	9.40E-09	1.10E-08	3.00E-08

Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values, Common Cause Failure values and Devices in-scope.

Mitigating Systems Performance Index, Cooling Water Systems



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

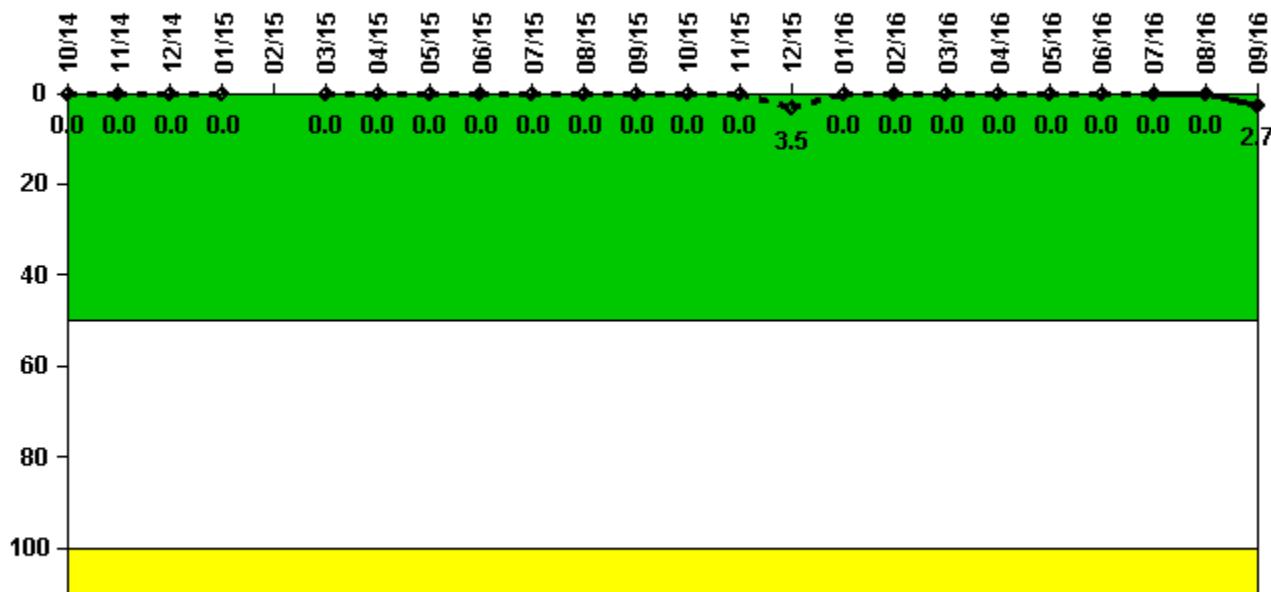
Notes

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)	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.40E-09	-1.11E-07
URI (Δ CDF)	-4.48E-09	-4.48E-09	6.47E-08	6.47E-08	6.47E-08	6.47E-08	6.48E-08	2.38E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.90E-09	-7.90E-09	6.10E-08	6.10E-08	6.10E-08	6.10E-08	6.10E-08	1.30E-07

Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values, Common Cause Failure values, Devices in-scope and Function revised for three segments vs. two trains.

Reactor Coolant System Activity



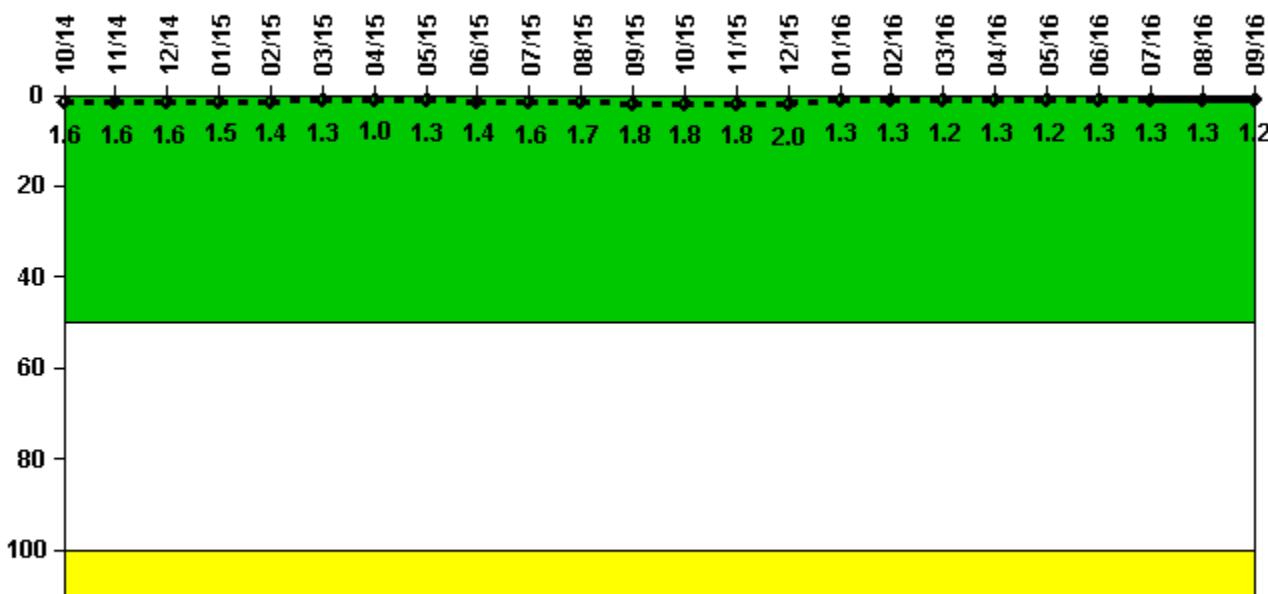
Thresholds: White > 50.0 Yellow > 100.0

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	0.000160	0.000185	0.000144	0.000149	N/A	0.000049	0.000053	0.000058	0.000216	0.000220	0.000208	0.000143
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
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	0.000140	0.000194	0.034700	0.000122	0.000153	0.000173	0.000166	0.000214	0.000207	0.000222	0.000290	0.026800
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	3.5	0	0	0	0	0	0	0	0	2.7

Licensee Comments: none

Reactor Coolant System Leakage



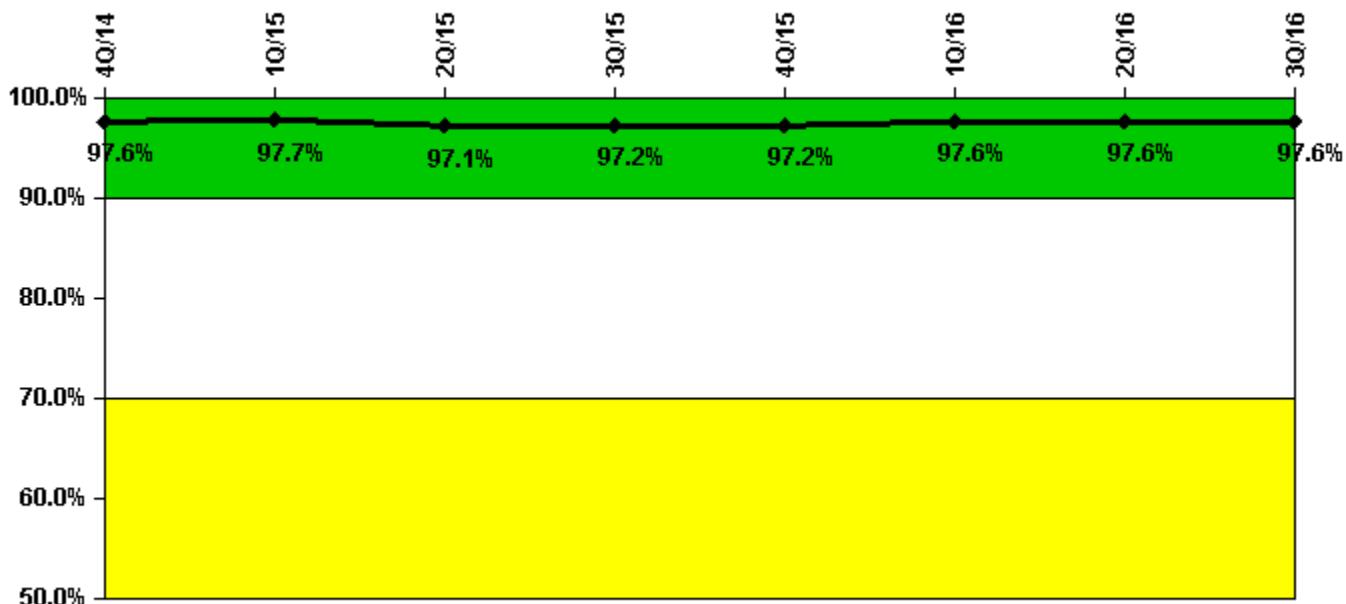
Thresholds: White > 50.0 Yellow > 100.0

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	0.159	0.160	0.159	0.148	0.135	0.127	0.100	0.125	0.137	0.163	0.168	0.177
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	1.6	1.6	1.6	1.5	1.4	1.3	1.0	1.3	1.4	1.6	1.7	1.8
Reactor Coolant System Leakage	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum leakage	0.175	0.182	0.198	0.132	0.128	0.116	0.125	0.121	0.125	0.134	0.131	0.117
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	1.8	1.8	2.0	1.3	1.3	1.2	1.3	1.2	1.3	1.3	1.3	1.2

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

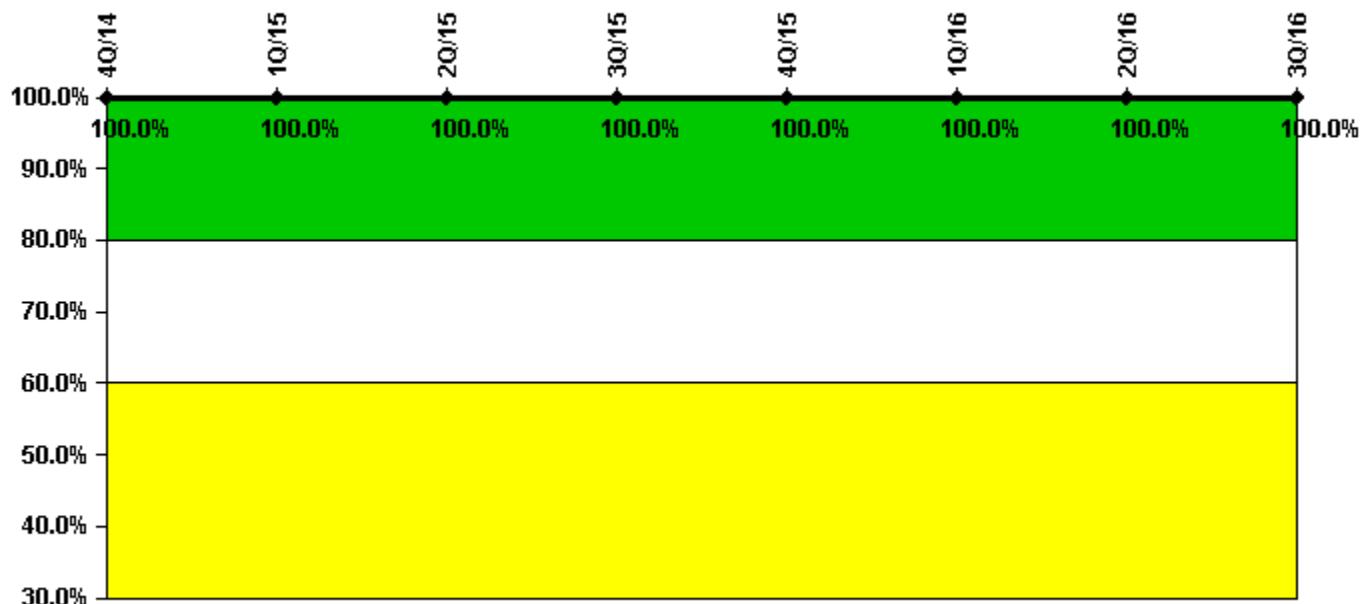
Drill/Exercise Performance	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful opportunities	61.0	16.0	93.0	65.0	19.0	31.0	98.0	63.0
Total opportunities	61.0	16.0	98.0	67.0	19.0	32.0	99.0	65.0
Indicator value	97.6%	97.7%	97.1%	97.2%	97.2%	97.6%	97.6%	97.6%

Licensee Comments:

2Q/16: The 2nd Quarter 2016 June Drill/Exercise Performance is being revised to include five additional opportunities. This change does not affect the color of the Drill/Exercise Performance indicator.

2Q/15: The June Drill/Exercise Performance is being revised to include two Shift Manager requalification exams. This change does not affect the color of the Drill/Exercise Performance indicator.

ERO Drill Participation



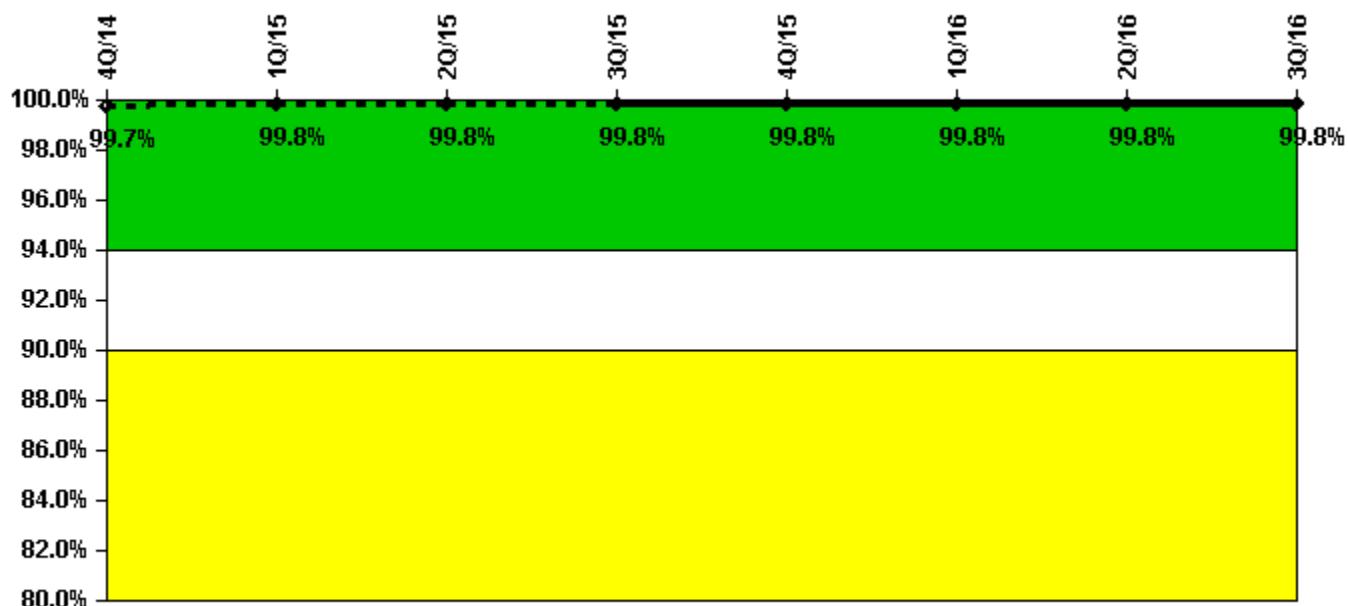
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Participating Key personnel	116.0	113.0	109.0	106.0	103.0	103.0	108.0	107.0
Total Key personnel	116.0	113.0	109.0	106.0	103.0	103.0	108.0	107.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



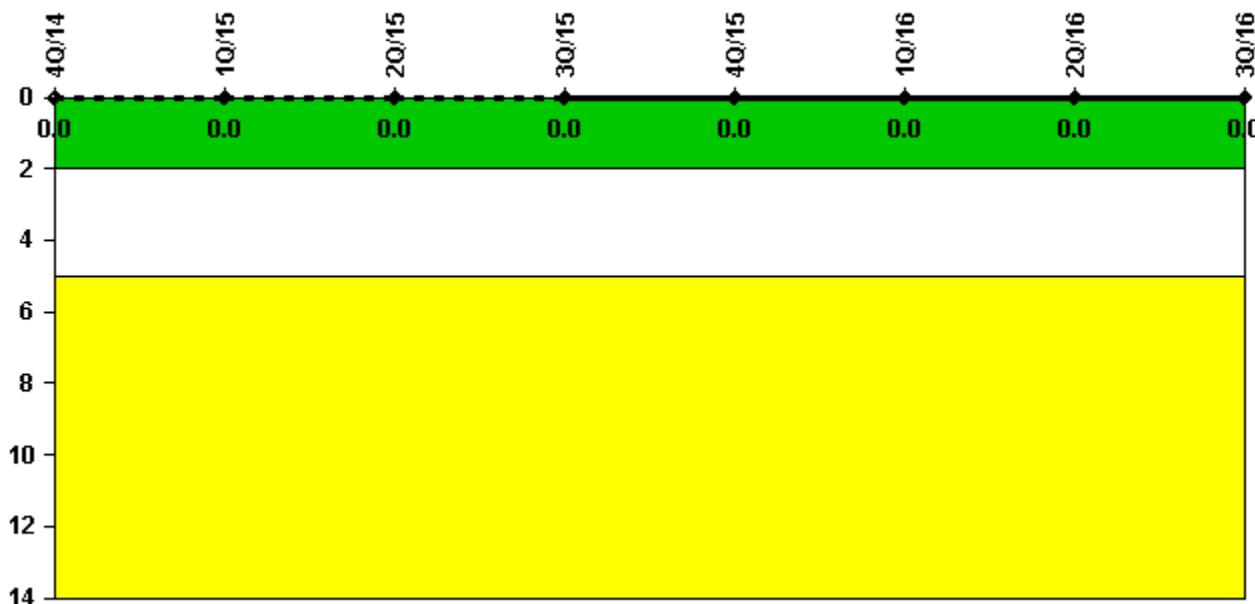
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Successful siren-tests	146	147	147	147	146	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.7%	99.8%						

Licensee Comments: none

Occupational Exposure Control Effectiveness



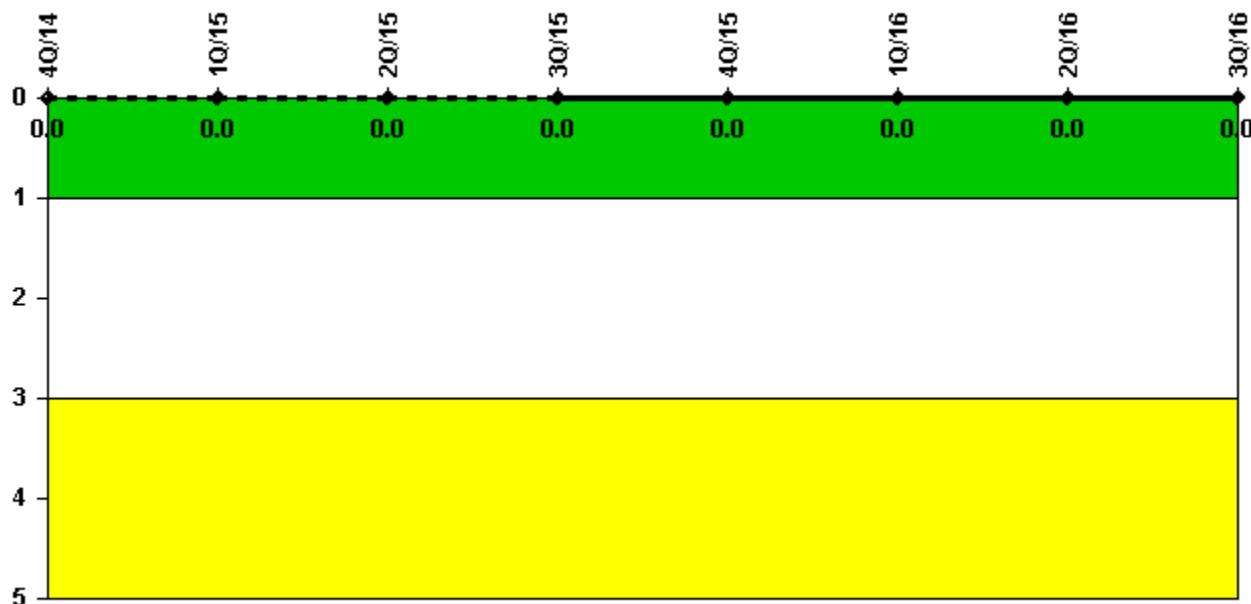
Thresholds: White > 2.0 Yellow > 5.0

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

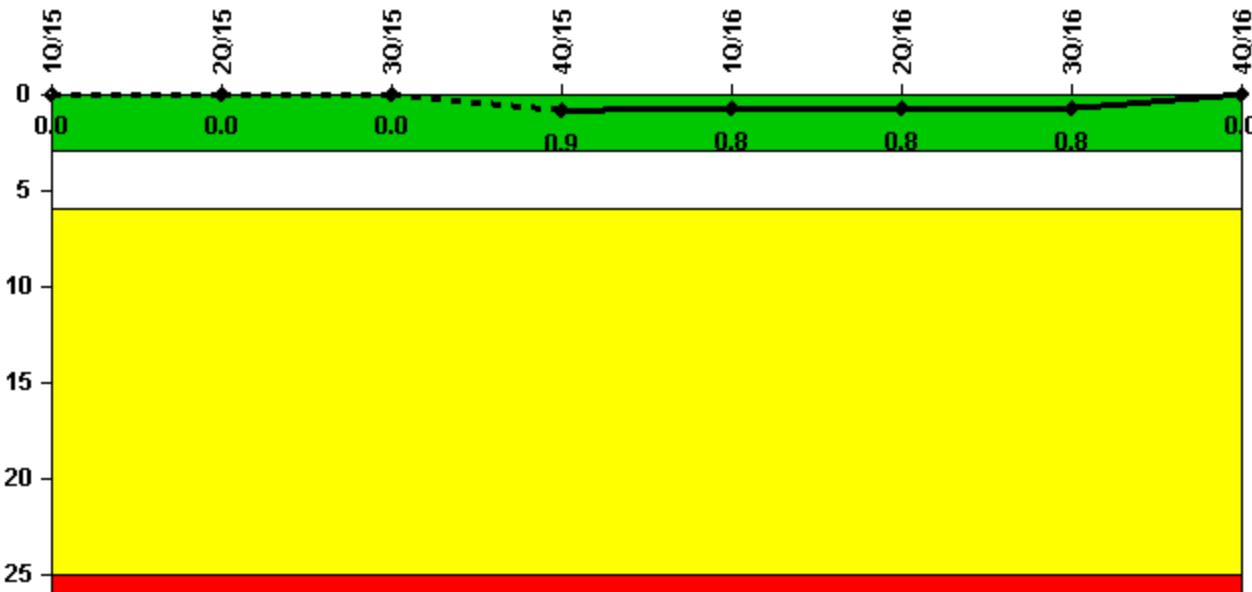
Arkansas Nuclear 1

4Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs

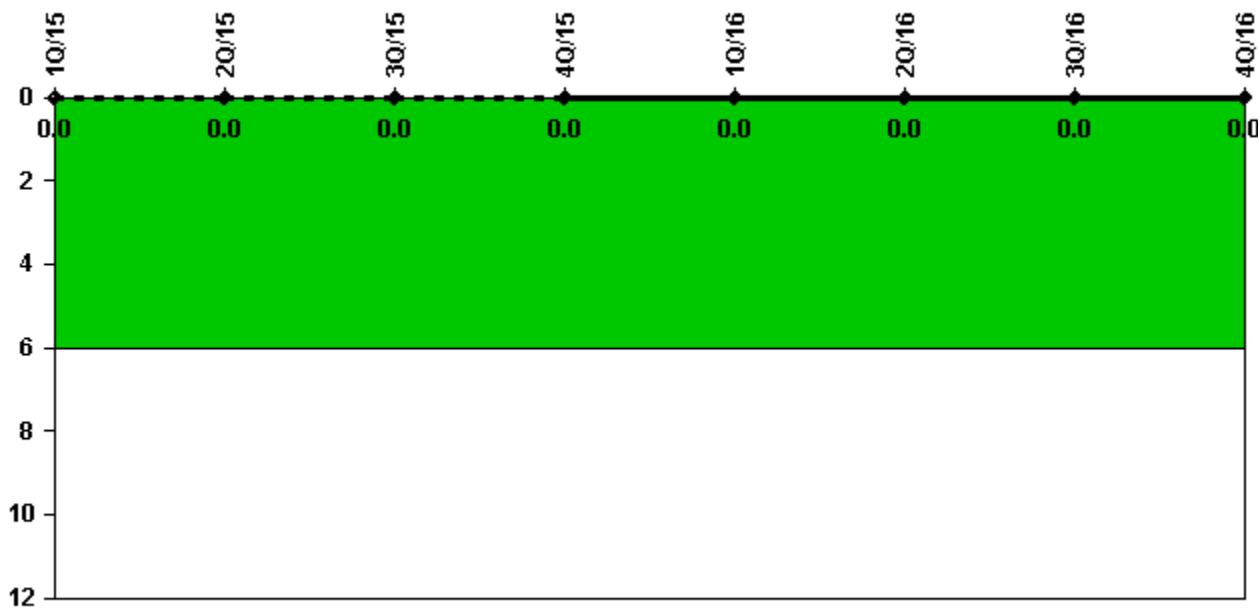


Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0
Critical hours	1339.4	2184.0	2208.0	2141.3	2183.0	2184.0	2040.1	464.1
Indicator value	0	0	0	0.9	0.8	0.8	0.8	0

Licensee Comments: none

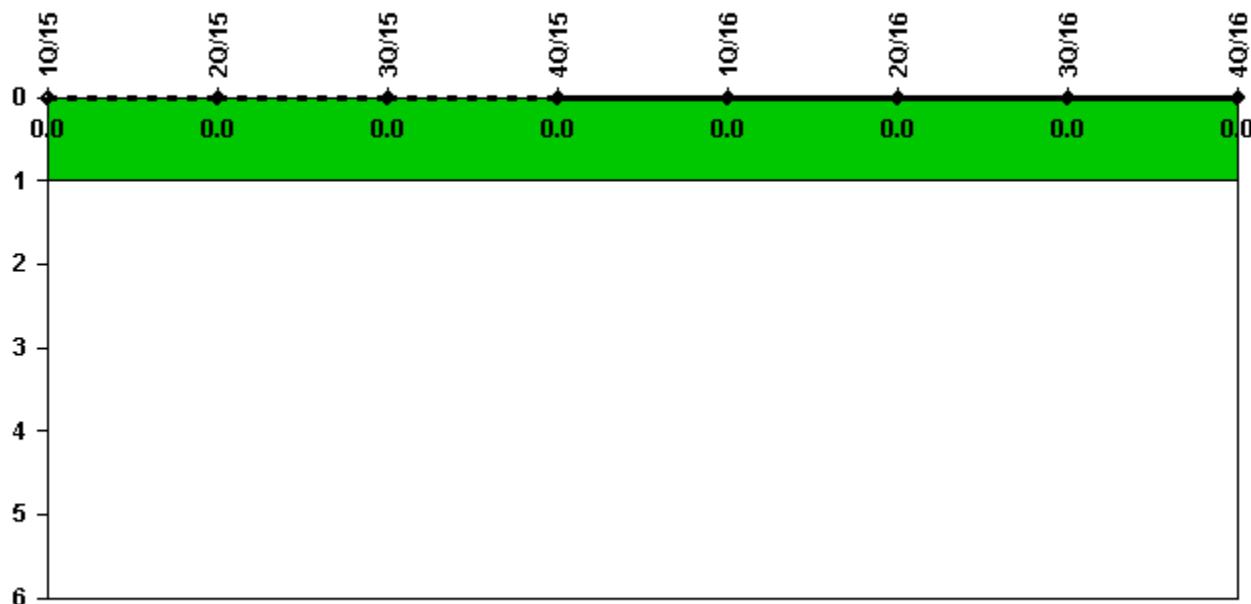
Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	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	1339.4	2184.0	2208.0	2141.3	2183.0	2184.0	2040.1	464.1
Indicator value	0							

Licensee Comments: none

Unplanned Scrams with Complications

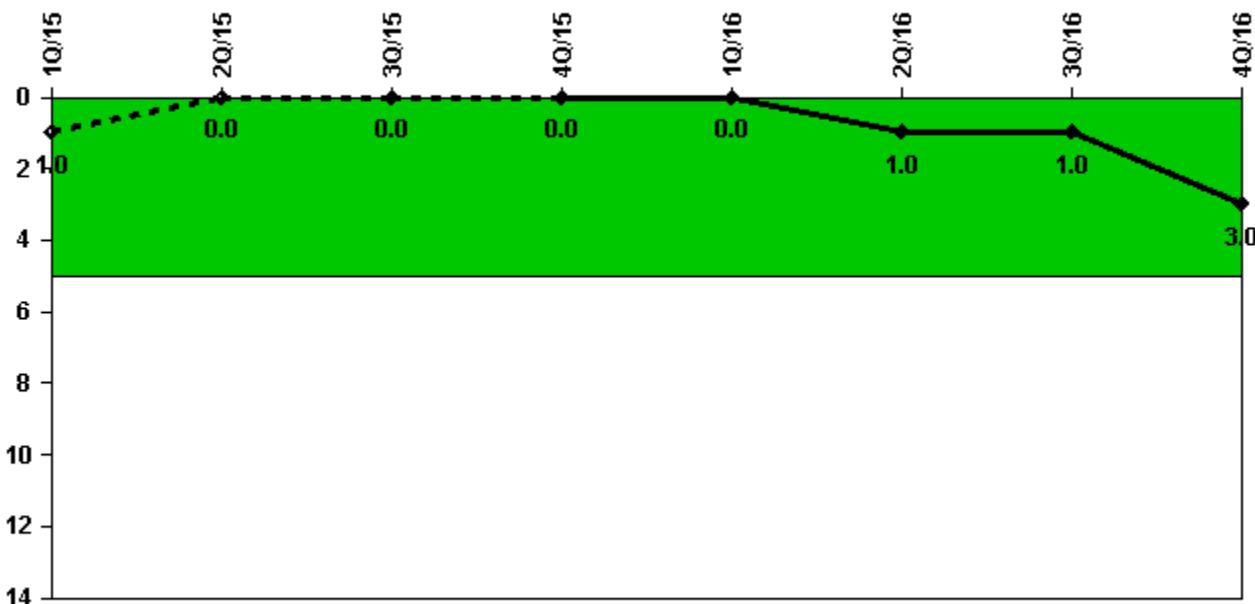
Thresholds: White > 1.0

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

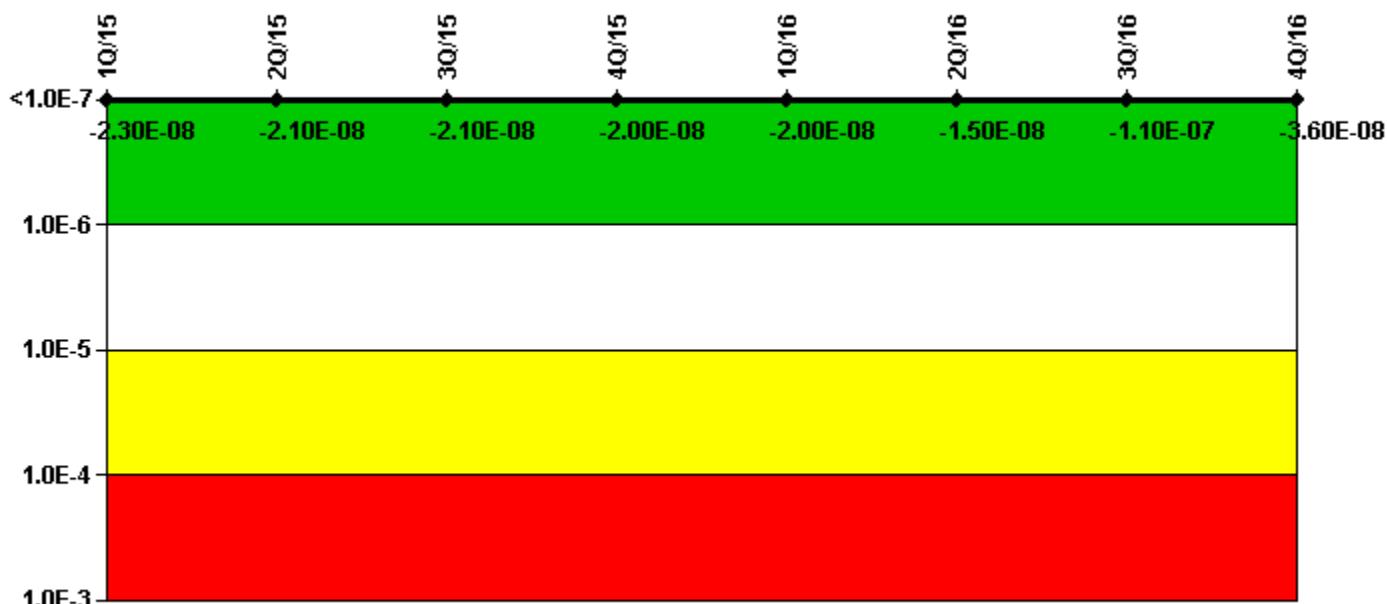
Safety System Functional Failures (PWR)	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Safety System Functional Failures	0	0	0	0	0	1	0	2
Indicator value	1	0	0	0	0	1	1	3

Licensee Comments:

4Q/16: October: Licensing Event Report 50-313 2016-003-00, November: Licensing Event Report 50-313 2016-004-00

2Q/16: LER 50-313/2016-001-00

Mitigating Systems Performance Index, Emergency AC Power System



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

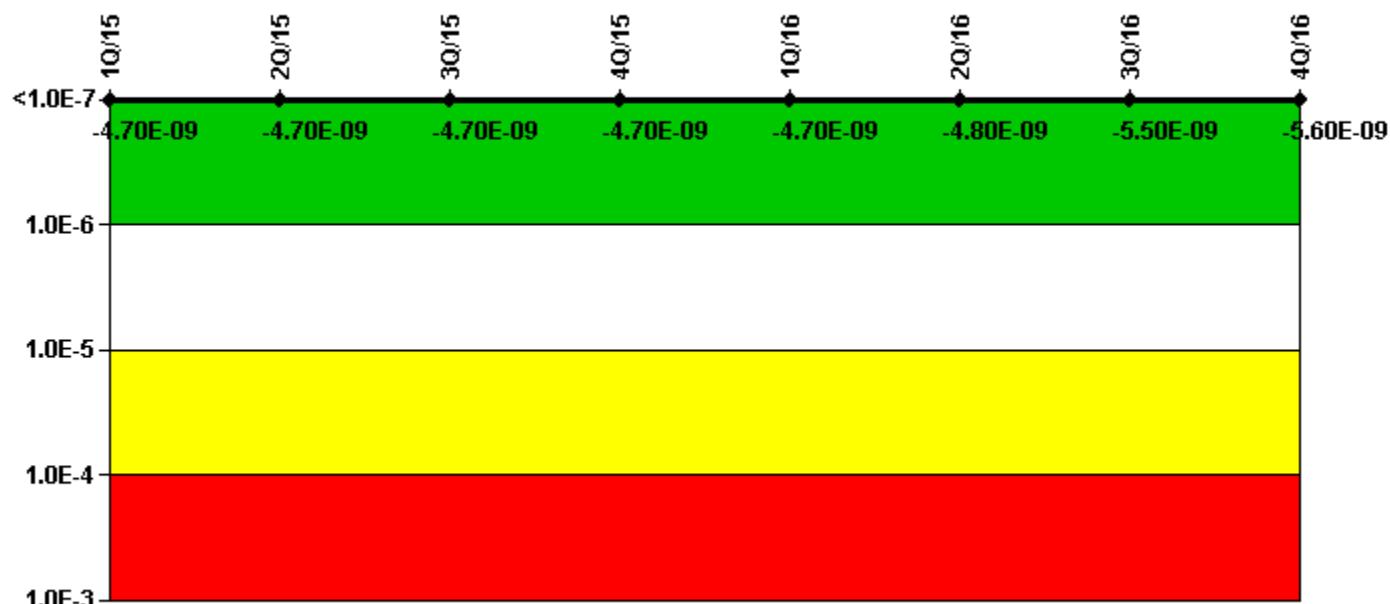
Notes

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)	-2.20E-09	-9.63E-10	-7.00E-10	5.40E-10	5.36E-10	-4.95E-10	-6.70E-09	5.62E-09
URI (Δ CDF)	-2.04E-08	-2.05E-08	-2.04E-08	-2.05E-08	-2.02E-08	-1.46E-08	-1.01E-07	-4.20E-08
PLE	NO							
Indicator value	-2.30E-08	-2.10E-08	-2.10E-08	-2.00E-08	-2.00E-08	-1.50E-08	-1.10E-07	-3.60E-08

Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values and Unreliability FV/UA values.

Mitigating Systems Performance Index, High Pressure Injection System



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

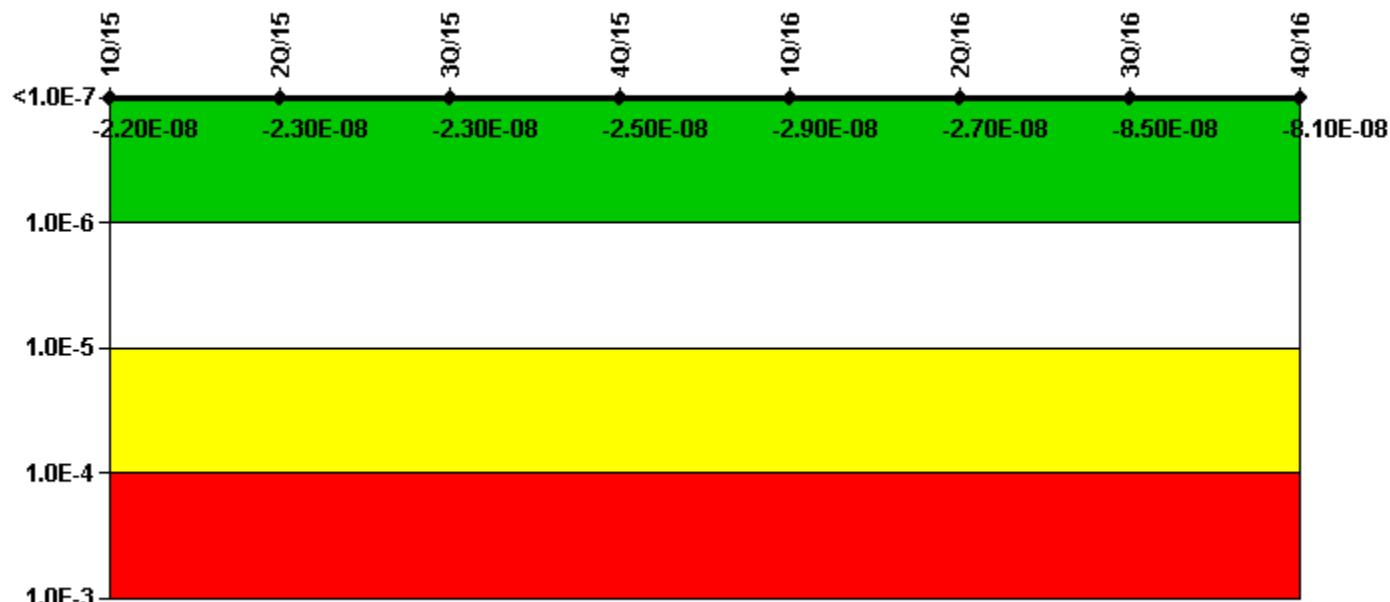
Notes

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)	$-8.24E-12$	$-8.24E-12$	$-8.24E-12$	$-8.23E-12$	$-8.26E-12$	$-8.49E-12$	$-3.43E-12$	$-3.34E-12$
URI (Δ CDF)	$-4.67E-09$	$-4.67E-09$	$-4.65E-09$	$-4.66E-09$	$-4.69E-09$	$-4.76E-09$	$-5.46E-09$	$-5.60E-09$
PLE	NO							
Indicator value	$-4.70E-09$	$-4.70E-09$	$-4.70E-09$	$-4.70E-09$	$-4.70E-09$	$-4.80E-09$	$-5.50E-09$	$-5.60E-09$

Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values and Estimated Reliability values.

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)	5.76E-10	-1.14E-09	-1.14E-09	-3.57E-09	-6.33E-09	-3.95E-09	-3.64E-08	-2.69E-08
URI (Δ CDF)	-2.22E-08	-2.22E-08	-2.14E-08	-2.19E-08	-2.22E-08	-2.29E-08	-4.88E-08	-5.41E-08
PLE	NO							
Indicator value	-2.20E-08	-2.30E-08	-2.30E-08	-2.50E-08	-2.90E-08	-2.70E-08	-8.50E-08	-8.10E-08

Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values, and Devices in-scope.

Mitigating Systems Performance Index, Residual Heat Removal System



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

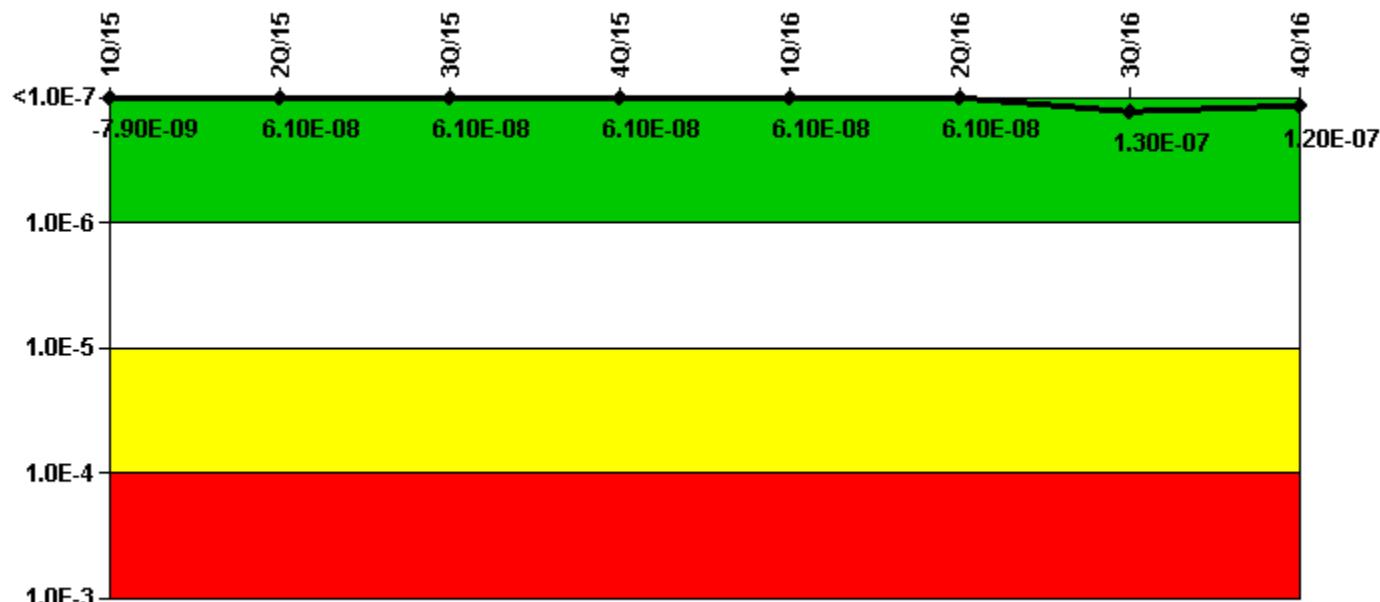
Notes

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)	5.09E-08	5.09E-08	5.06E-08	4.80E-08	5.48E-08	4.88E-08	6.14E-08	6.73E-08
URI (Δ CDF)	3.66E-08	3.66E-08	3.86E-08	4.25E-08	-4.54E-08	-3.77E-08	-3.16E-08	-4.08E-08
PLE	NO							
Indicator value	8.80E-08	8.80E-08	8.90E-08	9.00E-08	9.40E-09	1.10E-08	3.00E-08	2.70E-08

Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values, Common Cause Failure values and Devices in-scope.

Mitigating Systems Performance Index, Cooling Water Systems



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

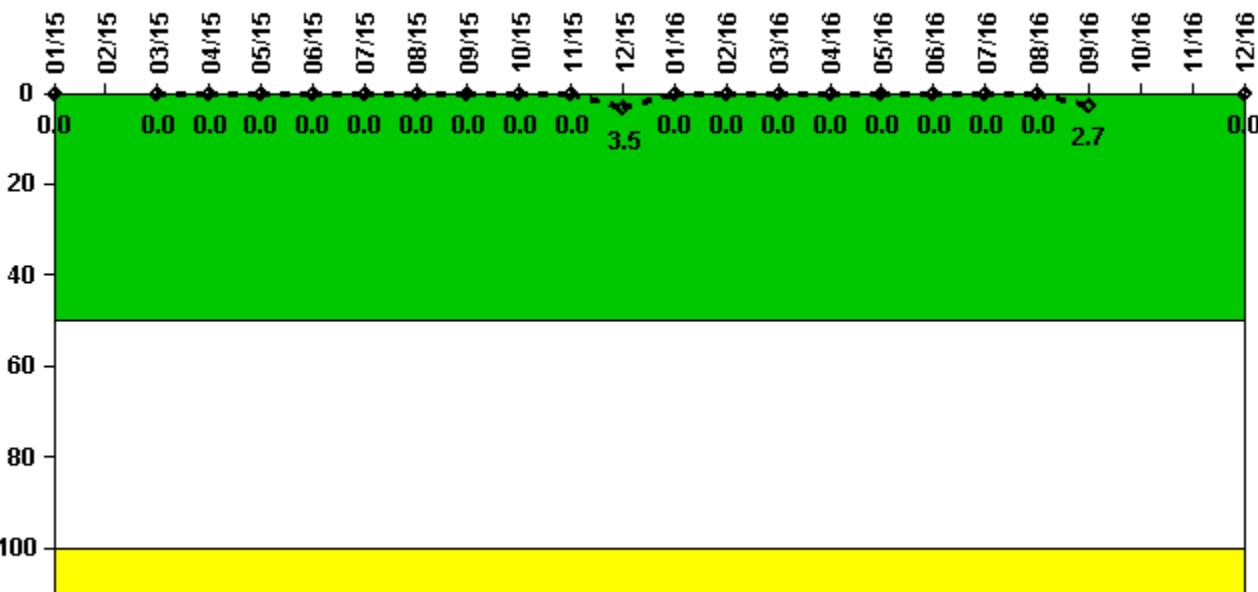
Notes

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)	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.40E-09	-1.11E-07	-1.11E-07
URI (Δ CDF)	-4.48E-09	6.47E-08	6.47E-08	6.47E-08	6.47E-08	6.48E-08	2.38E-07	2.34E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-7.90E-09	6.10E-08	6.10E-08	6.10E-08	6.10E-08	6.10E-08	1.30E-07	1.20E-07

Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values, Common Cause Failure values, Devices in-scope and Function revised for three segments vs. two trains.

Reactor Coolant System Activity



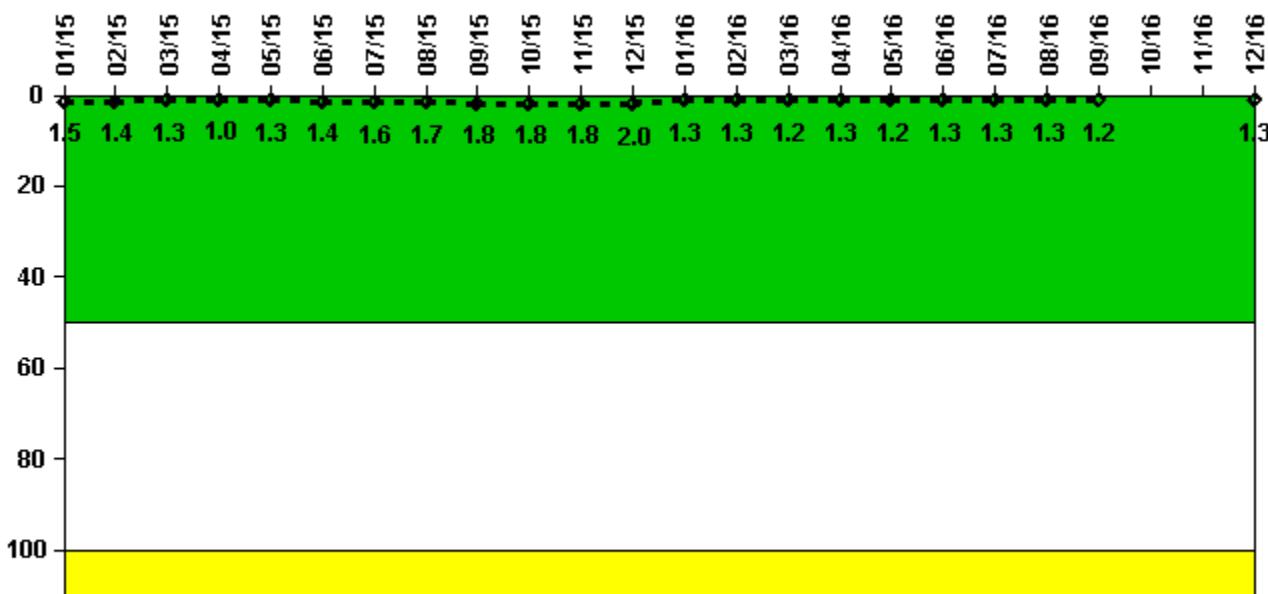
Thresholds: White > 50.0 Yellow > 100.0

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	0.000149	N/A	0.000049	0.000053	0.000058	0.000216	0.000220	0.000208	0.000143	0.000140	0.000194	0.034700
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	N/A	0	0	0	0	0	0	0	0	0	3.5
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	0.000122	0.000153	0.000173	0.000166	0.000214	0.000207	0.000222	0.000290	0.026800	N/A	N/A	0.000049
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	0	0	2.7	N/A	N/A

Licensee Comments: none

Reactor Coolant System Leakage



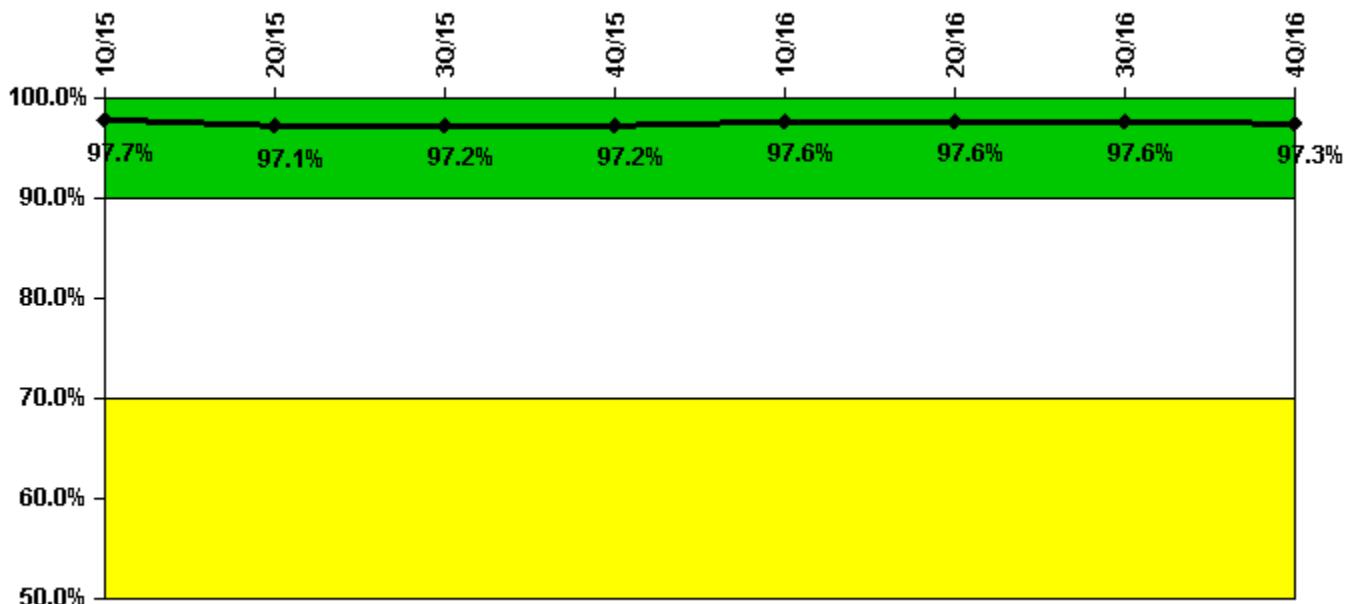
Thresholds: White > 50.0 Yellow > 100.0

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	0.148	0.135	0.127	0.100	0.125	0.137	0.163	0.168	0.177	0.175	0.182	0.198
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	1.4	1.3	1.0	1.3	1.4	1.6	1.7	1.8	1.8	1.8	2.0
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	0.132	0.128	0.116	0.125	0.121	0.125	0.134	0.131	0.117	N/A	N/A	0.132
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	1.3	1.2	1.3	1.2	1.3	1.3	1.3	1.2	N/A	N/A	1.3

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

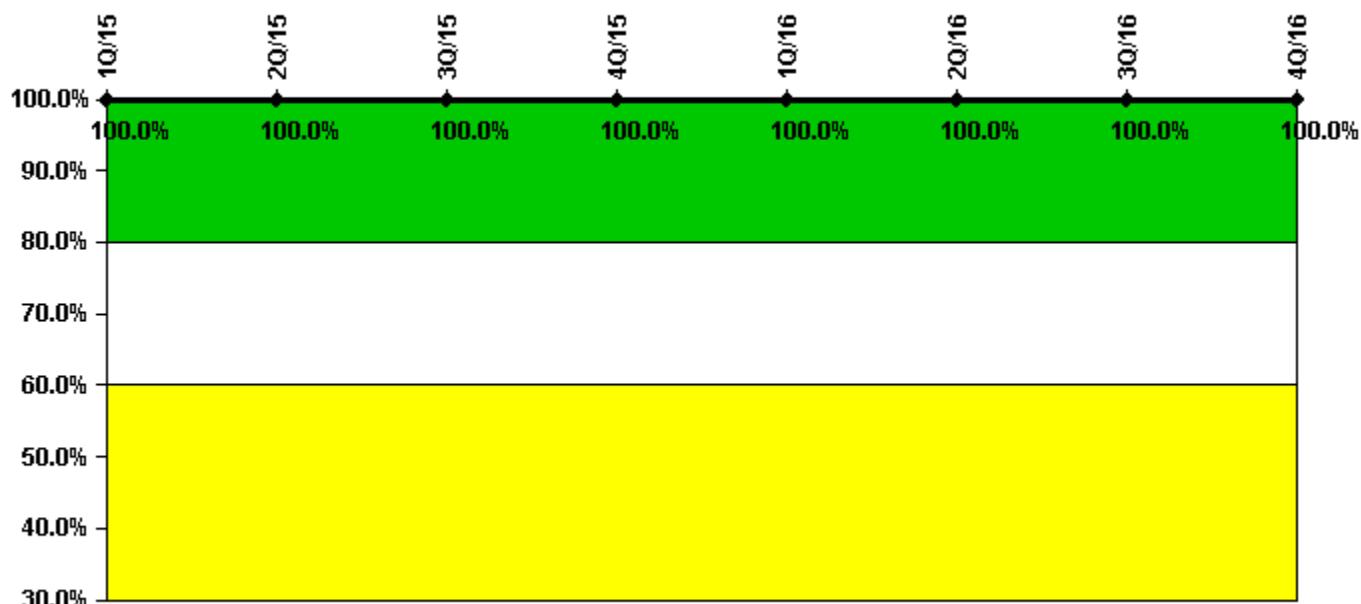
Drill/Exercise Performance	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful opportunities	16.0	93.0	65.0	19.0	31.0	98.0	63.0	5.0
Total opportunities	16.0	98.0	67.0	19.0	32.0	99.0	65.0	5.0
Indicator value	97.7%	97.1%	97.2%	97.2%	97.6%	97.6%	97.6%	97.3%

Licensee Comments:

2Q/16: The 2nd Quarter 2016 June Drill/Exercise Performance is being revised to include five additional opportunities. This change does not affect the color of the Drill/Exercise Performance indicator.

2Q/15: The June Drill/Exercise Performance is being revised to include two Shift Manager requalification exams. This change does not affect the color of the Drill/Exercise Performance indicator.

ERO Drill Participation



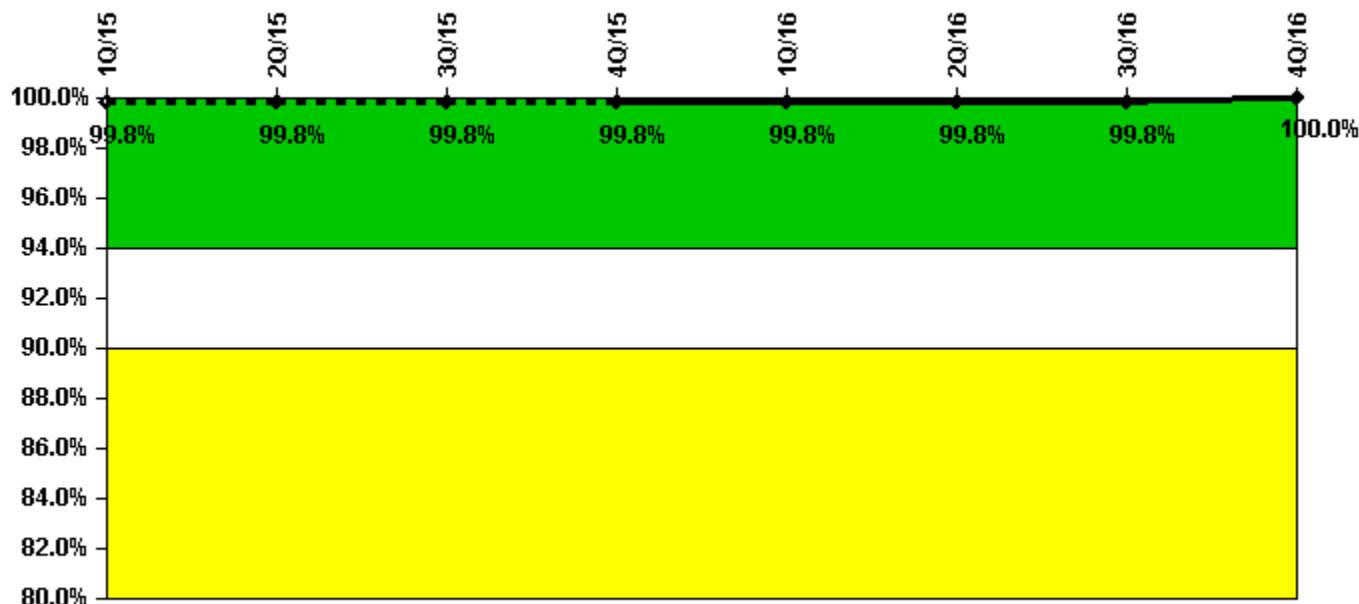
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Participating Key personnel	113.0	109.0	106.0	103.0	103.0	108.0	107.0	111.0
Total Key personnel	113.0	109.0	106.0	103.0	103.0	108.0	107.0	111.0
Indicator value	100.0%							

Licensee Comments: none

Alert & Notification System



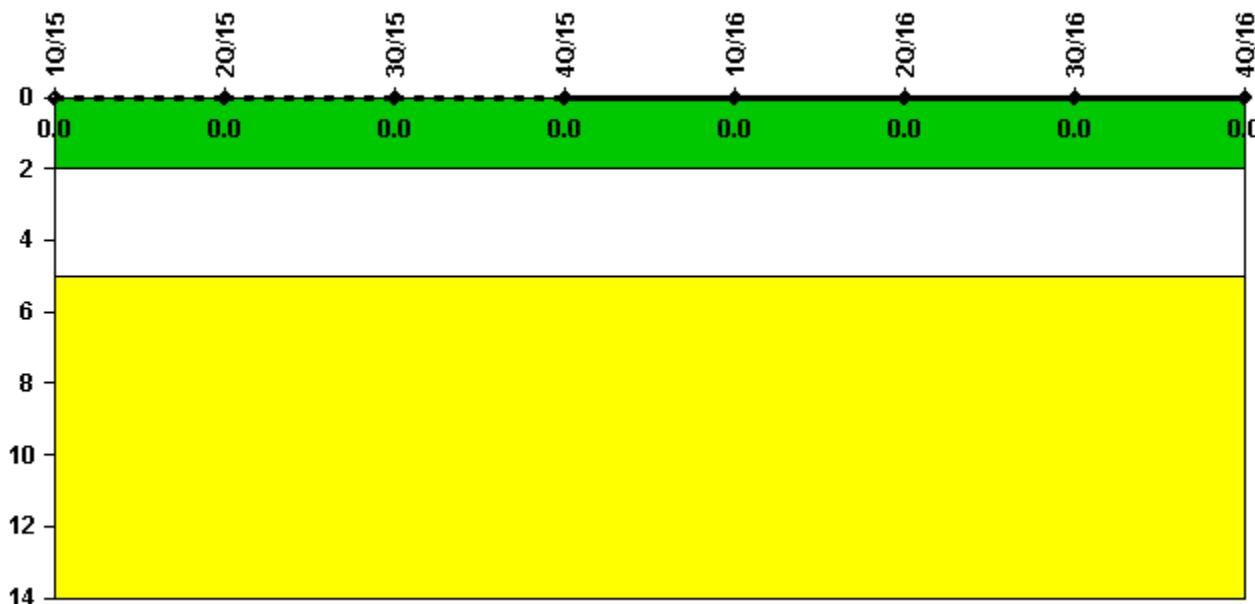
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Successful siren-tests	147	147	147	146	147	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147
Indicator value	99.8%	100.0%						

Licensee Comments: none

Occupational Exposure Control Effectiveness



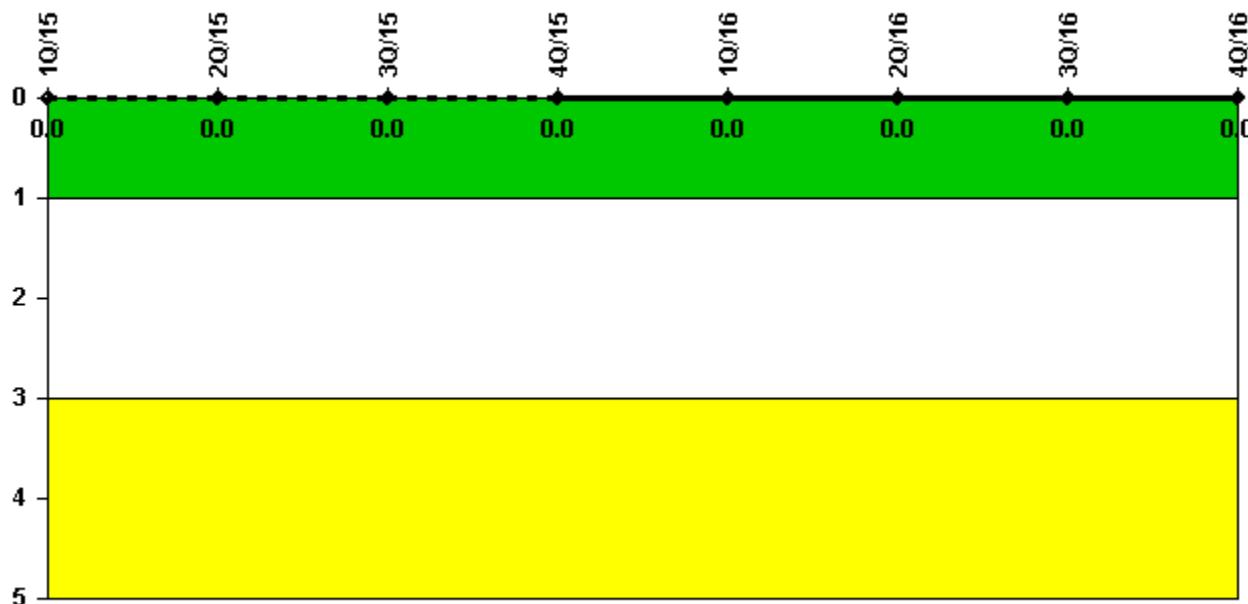
Thresholds: White > 2.0 Yellow > 5.0

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 > Arkansas Nuclear 1 > Quarterly Performance Indicators

Arkansas Nuclear 1 – Quarterly Performance Indicators

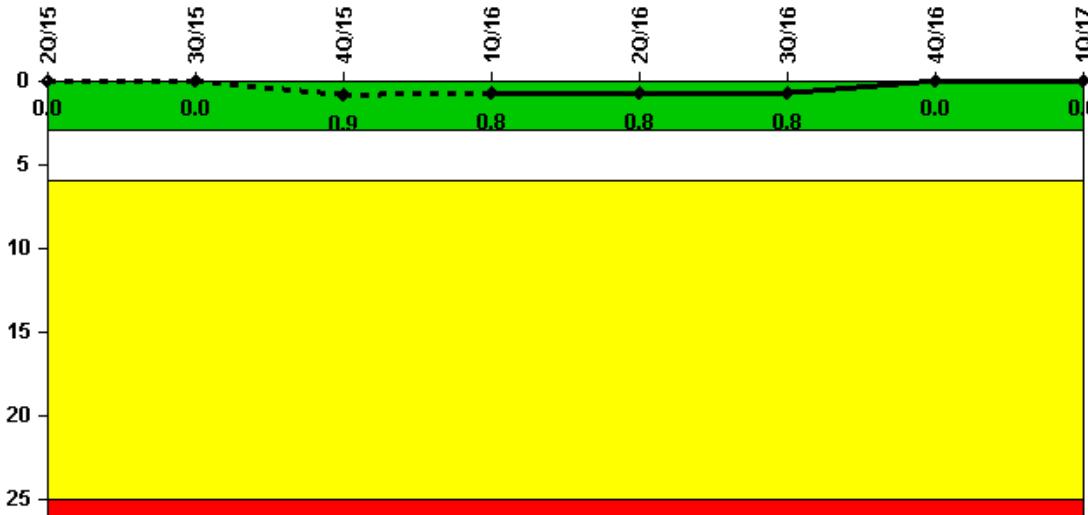
1Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

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

Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

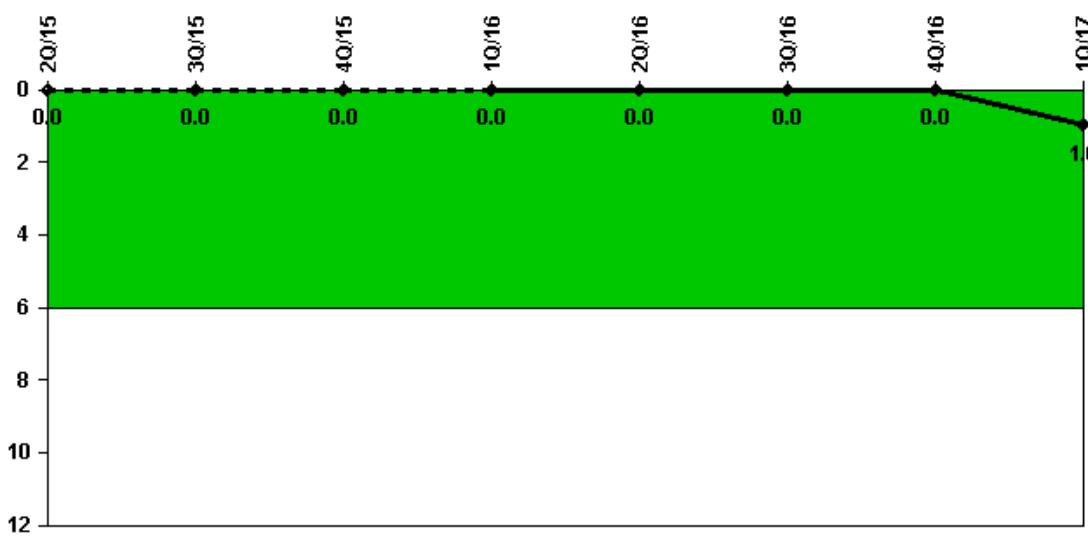
Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2184.0	2208.0	2141.3	2183.0	2184.0	2040.1	464.1	2159.0

Indicator value 0 0 0.9 0.8 0.8 0.8 0 0

▲ TOP

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

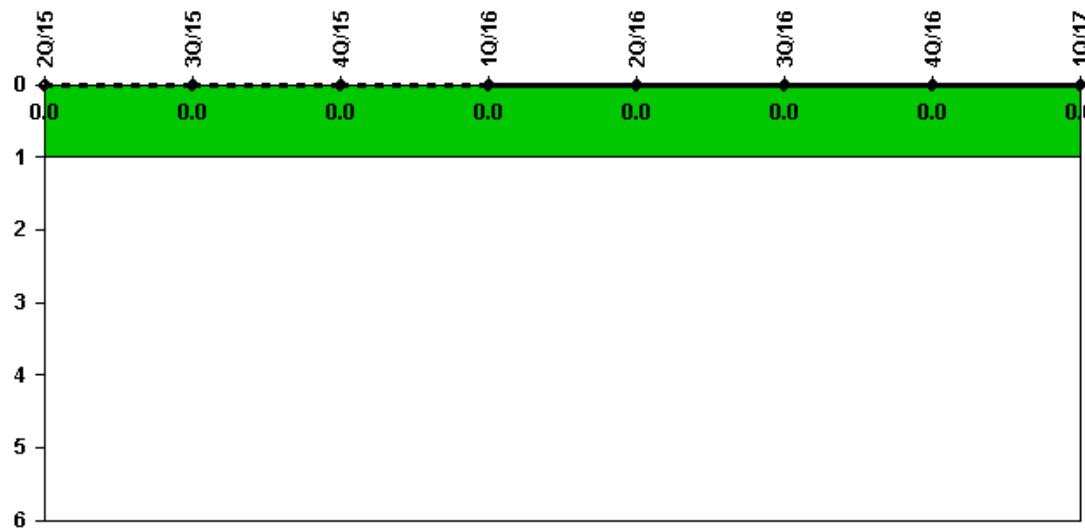
Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Unplanned power changes	0	0	0	0	0	0	0	1.0
Critical hours	2184.0	2208.0	2141.3	2183.0	2184.0	2040.1	464.1	2159.0

Indicator value 0 0 0 0 0 0 0 1.0

 TOP

Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

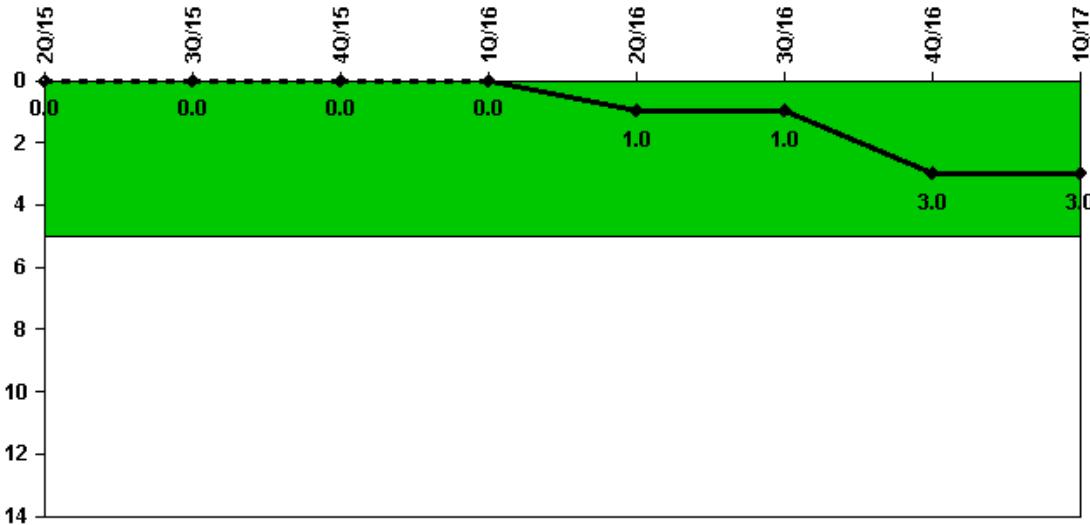
Notes

Unplanned Scrams with Complications	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Scrams with complications	0	0	0	0	0	0	0	0

Indicator value 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

 TOP

Licensee Comments: none

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 0 0 0 0 1 0 2 0

Indicator value 0 0 0 0 1 1 3 3

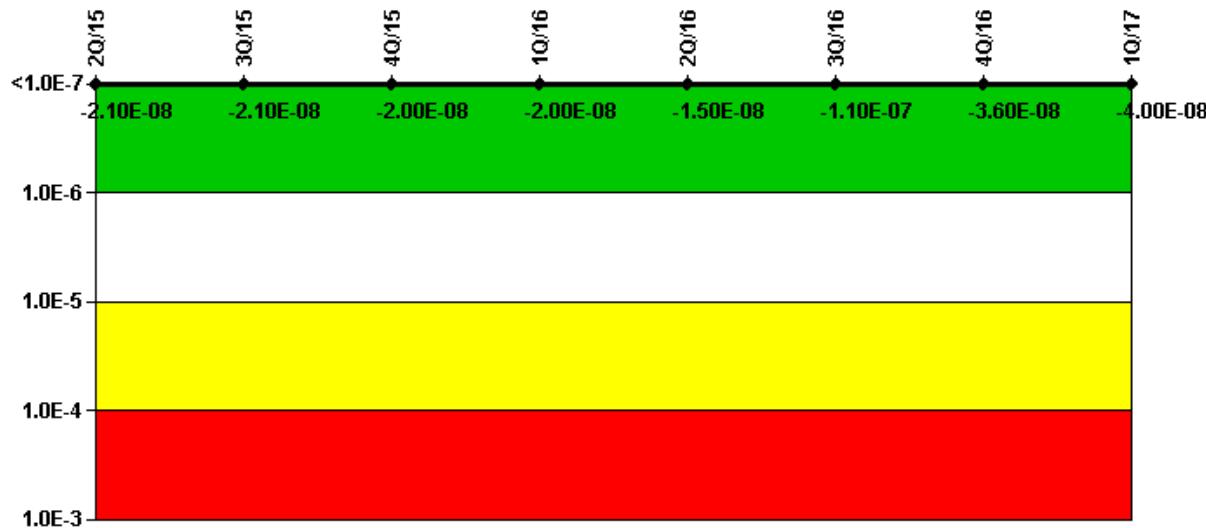
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Licensee Comments:

4Q/16: October: Licensing Event Report 50-313 2016-003-00, November: Licensing Event Report 50-313 2016-004-00

2Q/16: LER 50-313/2016-001-00

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)	-9.63E-10	-7.00E-10	5.40E-10	5.36E-10	-4.95E-10	-6.70E-09	5.62E-09	-4.77E-09
URI (Δ CDF)	-2.05E-08	-2.04E-08	-2.05E-08	-2.02E-08	-1.46E-08	-1.01E-07	-4.20E-08	-3.50E-08
PLE	NO							
Indicator value	-2.10E-08	-2.10E-08	-2.00E-08	-2.00E-08	-1.50E-08	-1.10E-07	-3.60E-08	-4.00E-08

▲ TOP

Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values and Unreliability FV/UA values.

Mitigating Systems Performance Index, High Pressure Injection System

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

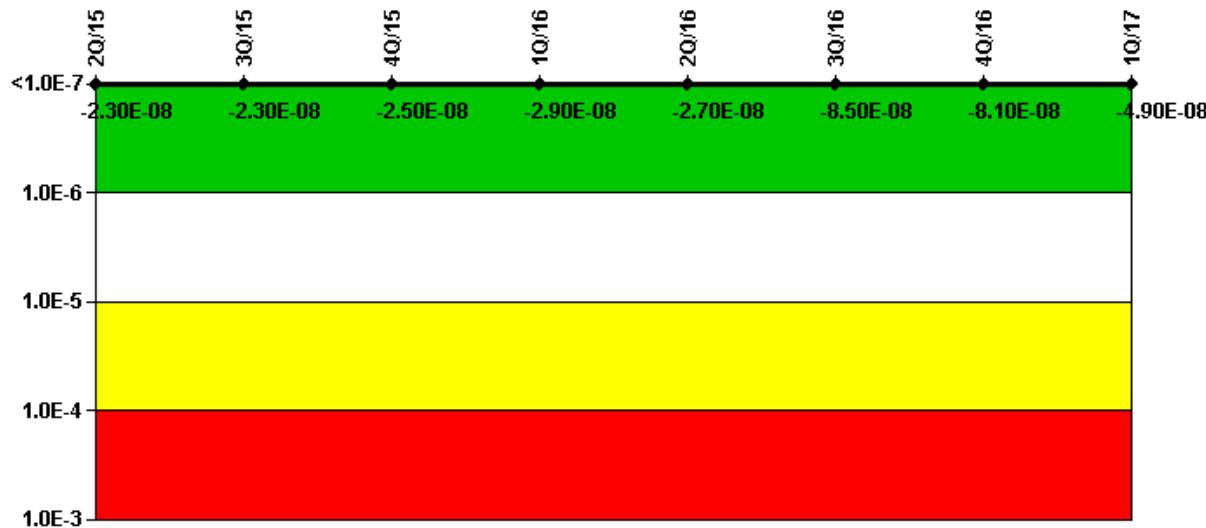
Notes**Mitigating Systems Performance Index, High Pressure Injection System**

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (Δ CDF)	-8.24E-12	-8.24E-12	-8.23E-12	-8.26E-12	-8.49E-12	-3.43E-12	-3.34E-12	1.53E-12
URI (Δ CDF)	-4.67E-09	-4.65E-09	-4.66E-09	-4.69E-09	-4.76E-09	-5.46E-09	-5.60E-09	9.69E-08
PLE	NO	NO						
Indicator value	-4.70E-09	-4.70E-09	-4.70E-09	-4.70E-09	-4.80E-09	-5.50E-09	-5.60E-09	9.70E-08

TOP

Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values and Estimated Reliability values.

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**

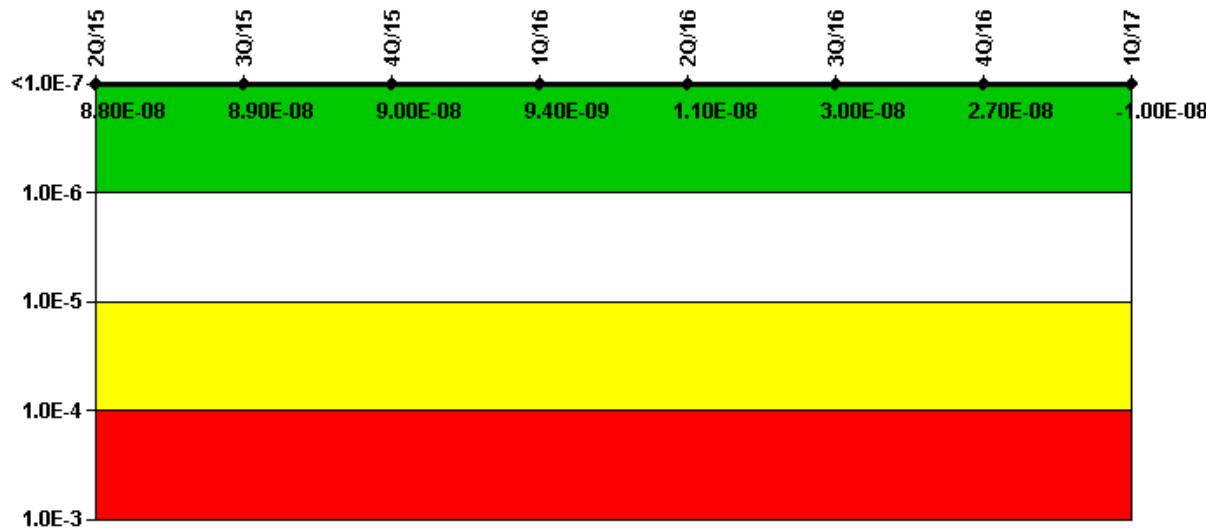
	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (Δ CDF)	-1.14E-09	-1.14E-09	-3.57E-09	-6.33E-09	-3.95E-09	-3.64E-08	-2.69E-08	5.27E-09
URI (Δ CDF)	-2.22E-08	-2.14E-08	-2.19E-08	-2.22E-08	-2.29E-08	-4.88E-08	-5.41E-08	-5.45E-08
PLE	NO							
Indicator value	-2.30E-08	-2.30E-08	-2.50E-08	-2.90E-08	-2.70E-08	-8.50E-08	-8.10E-08	-4.90E-08

TOP

Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values, and Devices in-scope.

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

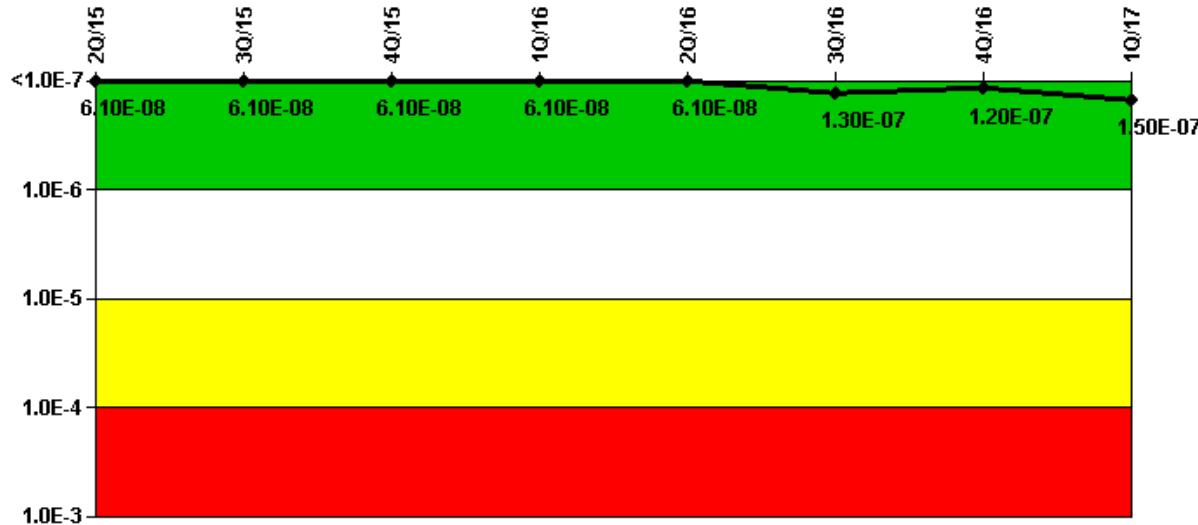
Mitigating Systems Performance Index, Residual Heat Removal System

	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (Δ CDF)	5.09E-08	5.06E-08	4.80E-08	5.48E-08	4.88E-08	6.14E-08	6.73E-08	3.06E-08
URI (Δ CDF)	3.66E-08	3.86E-08	4.25E-08	-4.54E-08	-3.77E-08	-3.16E-08	-4.08E-08	-4.09E-08
PLE	NO							
Indicator value	8.80E-08	8.90E-08	9.00E-08	9.40E-09	1.10E-08	3.00E-08	2.70E-08	-1.00E-08

▲ TOP

Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values, Common Cause Failure values and Devices in-scope.

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**

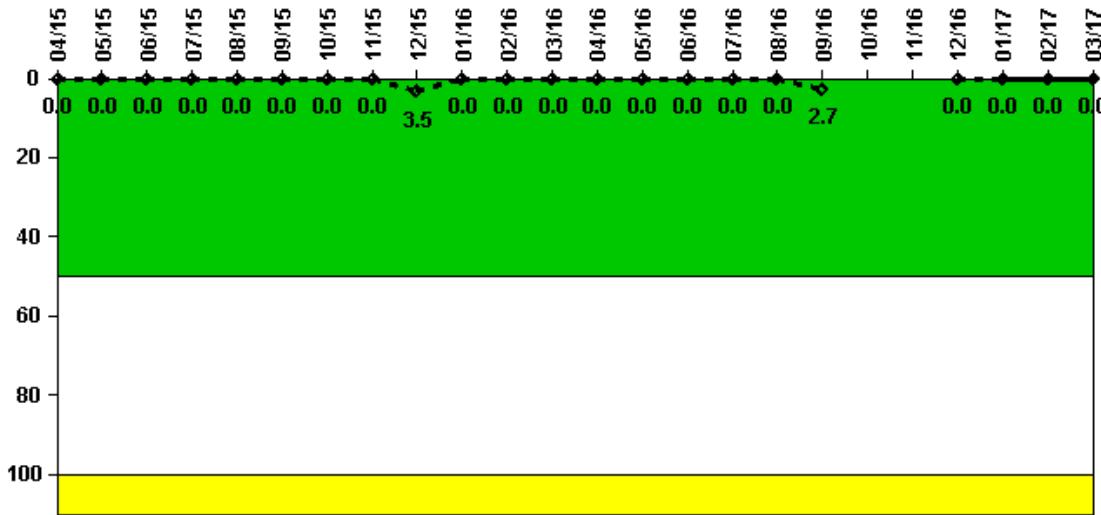
	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (Δ CDF)	-3.39E-09	-3.39E-09	-3.39E-09	-3.39E-09	-3.40E-09	-1.11E-07	-1.11E-07	-8.13E-08
URI (Δ CDF)	6.47E-08	6.47E-08	6.47E-08	6.47E-08	6.48E-08	2.38E-07	2.34E-07	2.30E-07
PLE	NO							

Indicator value

6.10E-08 6.10E-08 6.10E-08 6.10E-08 6.10E-08 1.30E-07 1.20E-07 1.50E-07

**Licensee Comments:**

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values, Common Cause Failure values, Devices in-scope and Function revised for three segments vs. two trains.

Reactor Coolant System Activity

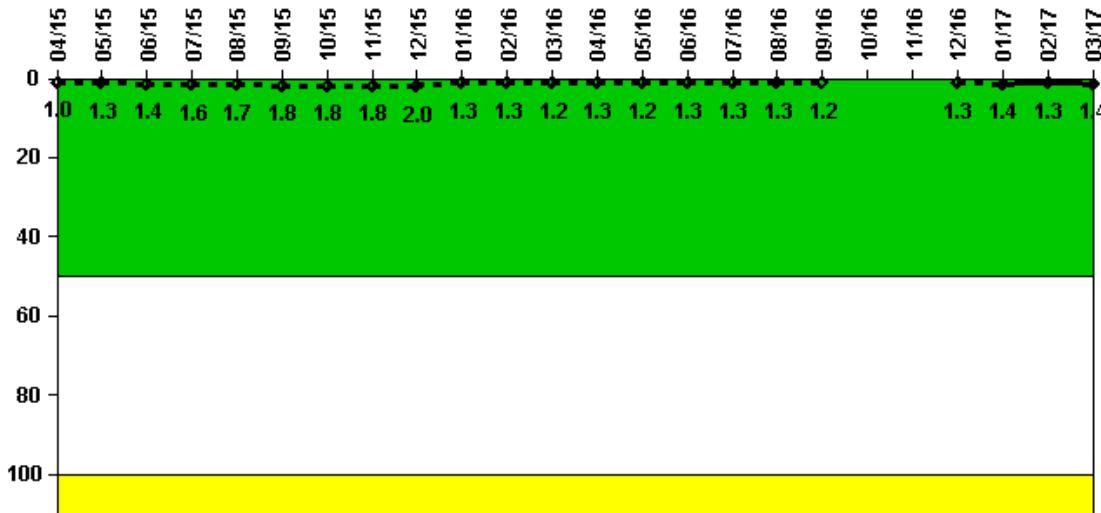
Thresholds: White > 50.0 Yellow > 100.0

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	0.000053	0.000058	0.000216	0.000220	0.000208	0.000143	0.000140	0.000194	0.034700	0.000122	0.000153	0.000173
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	0	3.5	0	0	0
Reactor Coolant System Activity	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17
Maximum activity	0.000166	0.000214	0.000207	0.000222	0.000290	0.026800	N/A	N/A	0.000049	0.000052	0.000057	0.000059
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	2.7	N/A	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** 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 0.100 0.125 0.137 0.163 0.168 0.177 0.175 0.182 0.198 0.132 0.128 0.116

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 1.3 1.4 1.6 1.7 1.8 1.8 1.8 2.0 1.3 1.3 1.2**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

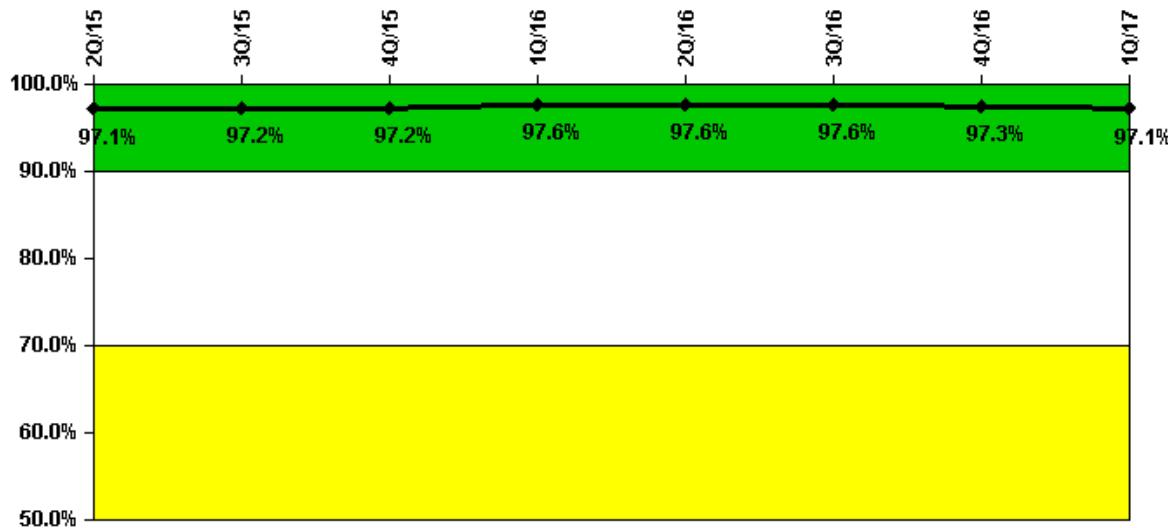
Maximum leakage 0.125 0.121 0.125 0.134 0.131 0.117 N/A N/A 0.132 0.135 0.131 0.135

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 1.3 1.3 1.3 1.2 N/A N/A 1.3 1.4 1.3 1.4

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	93.0	65.0	19.0	31.0	98.0	63.0	5.0	60.0
Total opportunities	98.0	67.0	19.0	32.0	99.0	65.0	5.0	62.0

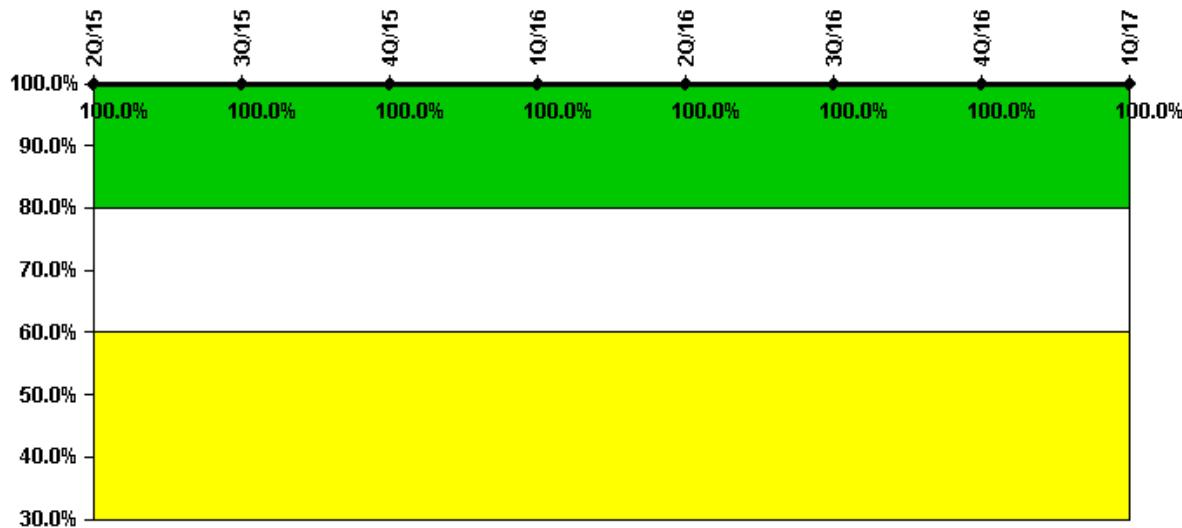
Indicator value **97.1% 97.2% 97.2% 97.6% 97.6% 97.6% 97.3% 97.1%**

TOP

Licensee Comments:

2Q/16: The 2nd Quarter 2016 June Drill/Exercise Performance is being revised to include five additional opportunities. This change does not affect the color of the Drill/Exercise Performance indicator.

2Q/15: The June Drill/Exercise Performance is being revised to include two Shift Manager requalification exams. This change does not affect the color of the Drill/Exercise Performance indicator.

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

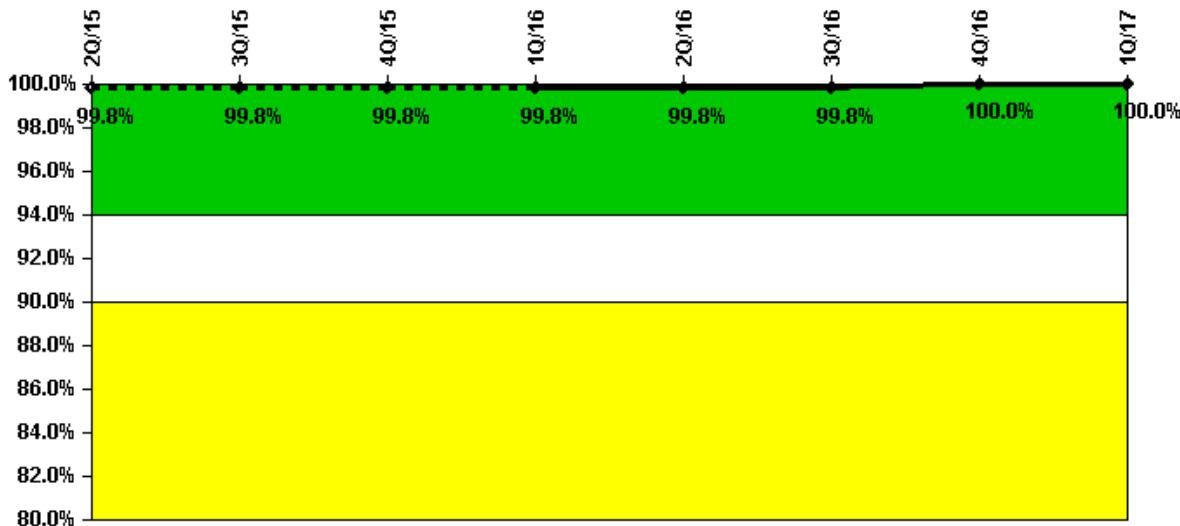
Notes

ERO Drill Participation	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Participating Key personnel	109.0	106.0	103.0	103.0	108.0	107.0	111.0	107.0
Total Key personnel	109.0	106.0	103.0	103.0	108.0	107.0	111.0	107.0

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%

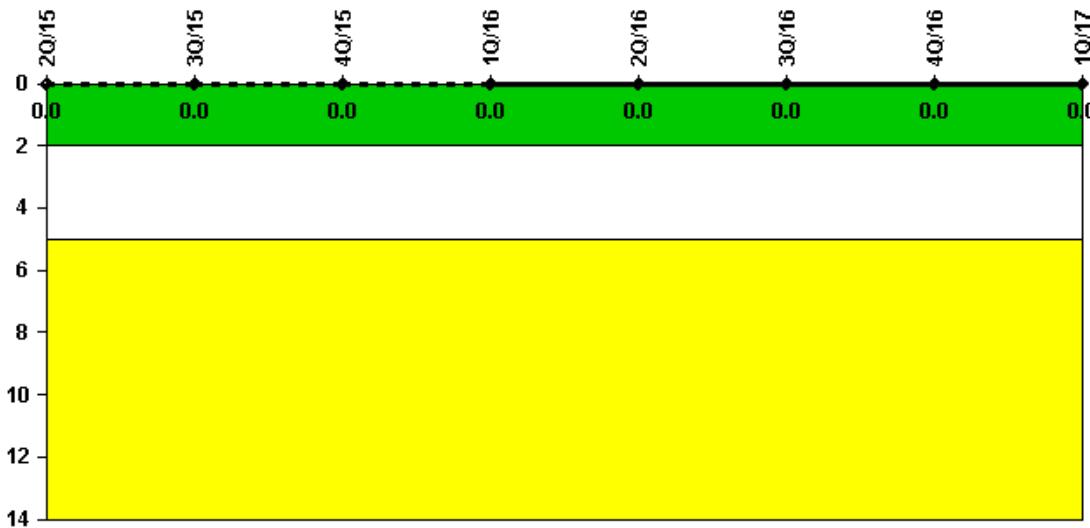
Notes

Alert & Notification System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful siren-tests	147	147	146	147	147	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147

Indicator value **99.8% 99.8% 99.8% 99.8% 99.8% 99.8% 100.0% 100.0%**

TOP

Licensee Comments: none

Occupational Exposure Control Effectiveness

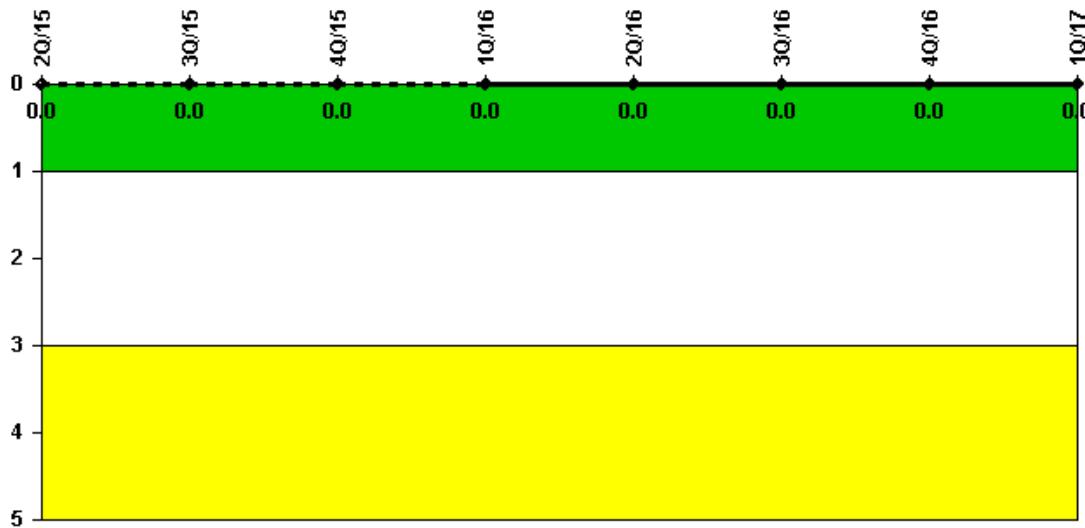
Thresholds: White > 2.0 Yellow > 5.0

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 > Arkansas Nuclear 1 > Quarterly Performance Indicators

Arkansas Nuclear 1 – Quarterly Performance Indicators

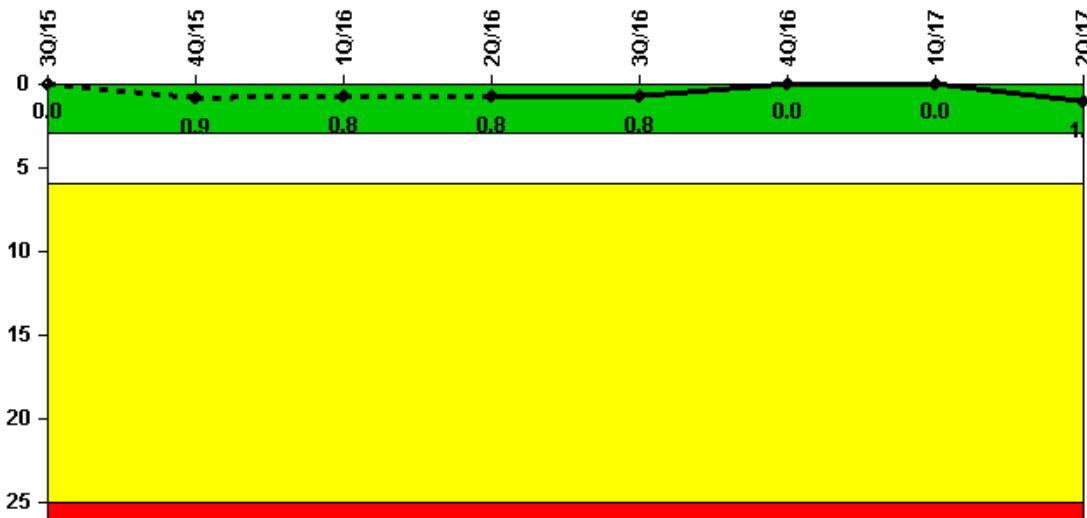
2Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

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

Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

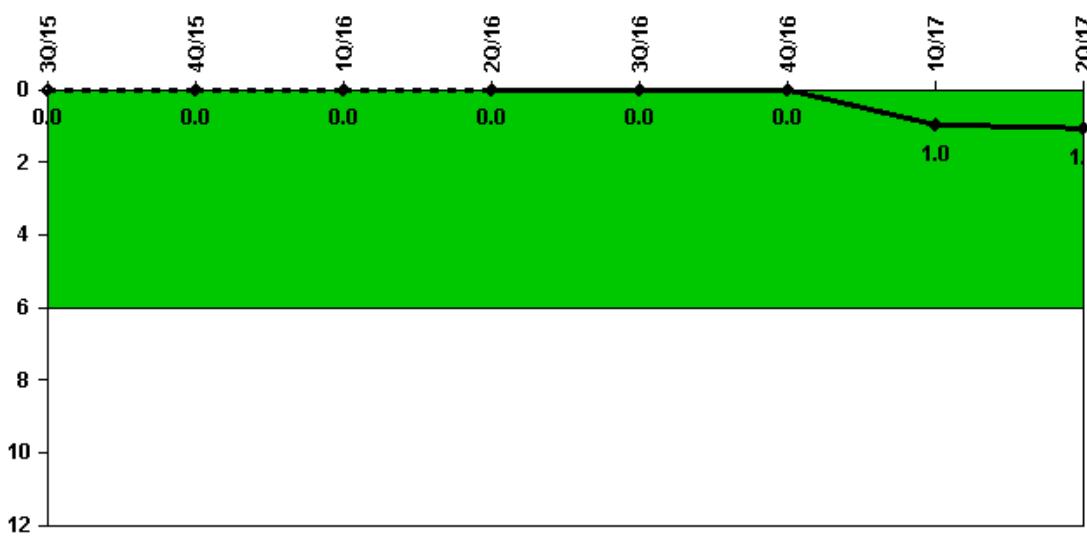
Notes

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	1.0	0	0	0	0	0	1.0
Critical hours	2208.0	2141.3	2183.0	2184.0	2040.1	464.1	2159.0	1677.8

Indicator value 0 0.9 0.8 0.8 0.8 0 0 1.1



Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

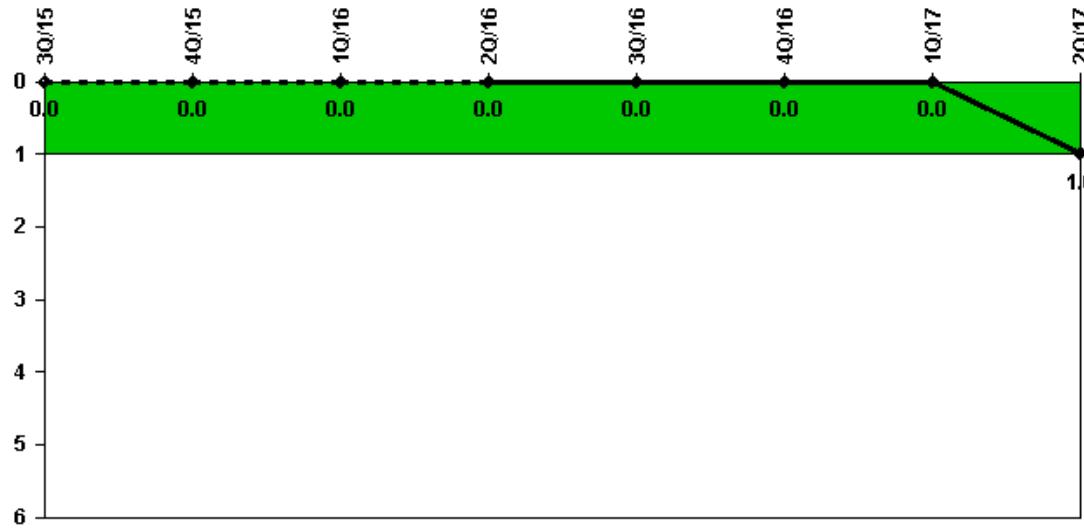
Notes

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	1.0	0
Critical hours	2208.0	2141.3	2183.0	2184.0	2040.1	464.1	2159.0	1677.8

Indicator value 0 0 0 0 0 0 1.0 1.1



Licensee Comments: none



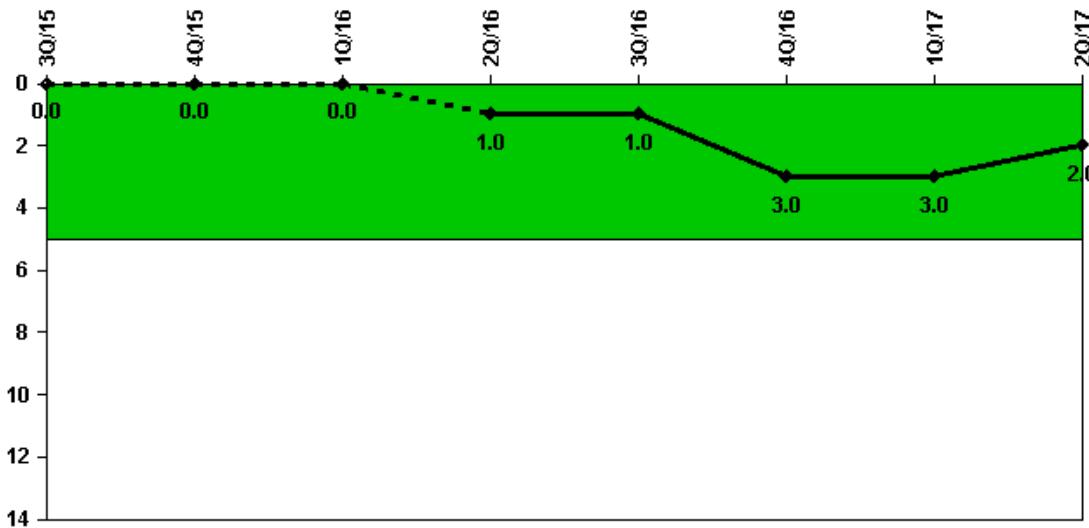
Thresholds: White > 1.0

Notes

Indicator value 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0



Licensee Comments: none

Safety System Functional Failures (PWR)

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 1 0 2 0 0

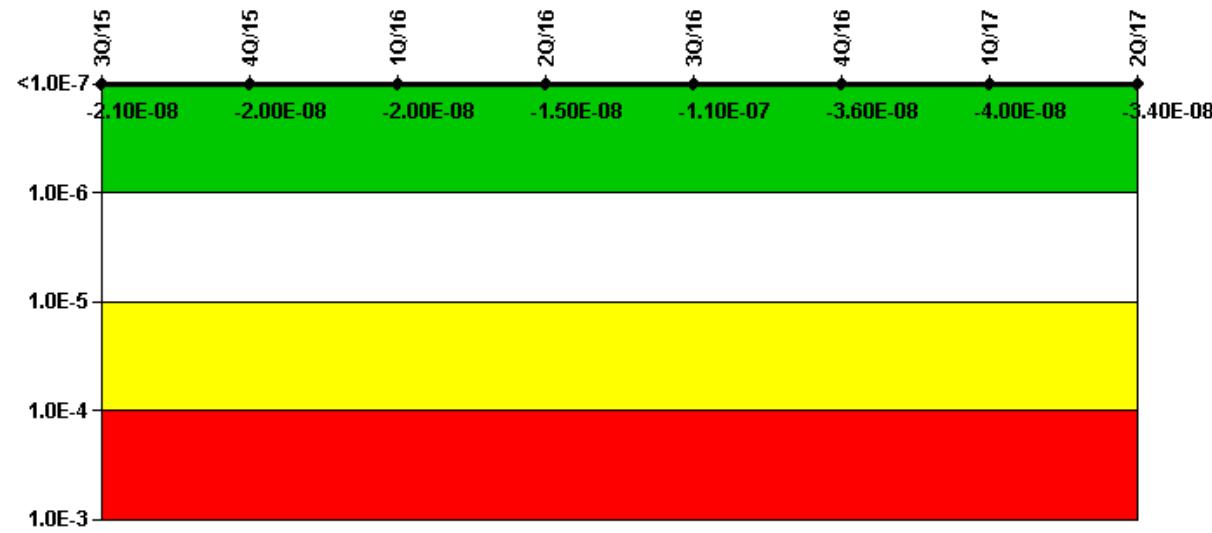
Indicator value 0 0 0 1 1 3 3 2

▲ TOP

Licensee Comments:

4Q/16: October: Licensing Event Report 50-313 2016-003-00, November: Licensing Event Report 50-313 2016-004-00
2Q/16: LER 50-313/2016-001-00

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

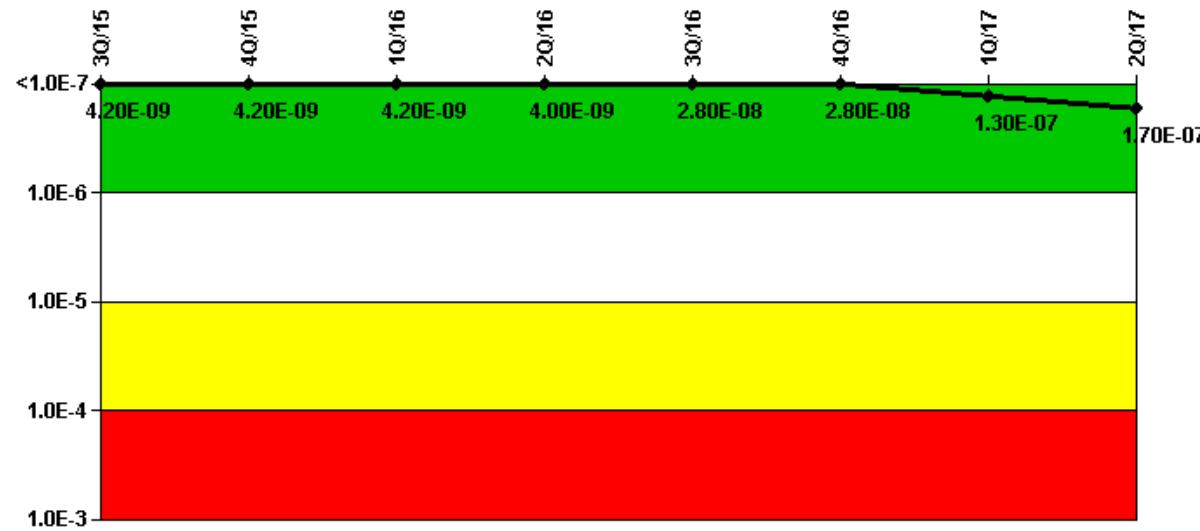
	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (Δ CDF)	-7.00E-10	5.40E-10	5.36E-10	10	-4.95E-09	-6.70E-09	5.62E-09	-4.77E-09
URI (Δ CDF)	-2.04E-08	-2.05E-08	-2.02E-08	-1.46E-08	-1.01E-07	-4.20E-08	-3.50E-08	-2.91E-08
PLE	NO							
Indicator value	-2.10E-08	-2.00E-08	-2.00E-08	-1.50E-08	-1.10E-07	-3.60E-08	-4.00E-08	-3.40E-08

▲ TOP

Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values and Unreliability FV/UA values.

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)	-8.24E-12	-8.23E-12	-8.26E-12	-8.49E-12	-3.43E-12	-3.34E-12	1.53E-12	1.76E-12
URI (Δ CDF)	4.21E-09	4.19E-09	4.16E-09	4.05E-09	2.80E-08	2.77E-08	1.30E-07	1.65E-07
PLE	NO							
Indicator value	4.20E-09	4.20E-09	4.20E-09	4.00E-09	2.80E-08	2.80E-08	1.30E-07	1.70E-07

▲ TOP

Licensee Comments:

1Q/17: ANO-1 high pressure injection (HPI) system reliability for the A HPI pump in December 2014, and January 2016, was revised. ANO-1 HPI system reliability for the B HPI pump in July 2014, November 2014, March 2015, and August 2016, was revised. ANO-1 HPI system reliability for the C HPI pump in August 2014, and March 2016, was revised. Test demands and run hours were revised to remove demands related to post-maintenance testing. This change does not affect the color of this indicator.

4Q/16: ANO-1 high pressure injection (HPI) system reliability for the A HPI pump in December 2014, and January 2016, was revised. ANO-1 HPI system reliability for the B HPI pump in July 2014, November 2014, March 2015, and August 2016, was revised. ANO-1 HPI system reliability for the C HPI pump in August 2014, and March 2016, was revised. Test demands and run hours were revised to remove demands related to post-maintenance testing. This change does not affect the color of this indicator.

3Q/16: Revision to Unit Core Damage Frequency, Unavailability FV/UA values, Unreliability FV/UA values and Estimated Reliability values. ANO-1 high pressure injection (HPI) system reliability for the A HPI pump in December 2014, and January 2016, was revised. ANO-1 HPI system reliability for the B HPI pump in July 2014, November 2014, March 2015, and August 2016, was revised. ANO-1 HPI system reliability for the C HPI pump in August 2014, and March 2016, was revised. Test demands and run hours were revised to remove demands related to post-maintenance testing. This change does not affect the color of this indicator.

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values and Estimated Reliability values.

2Q/16: ANO-1 high pressure injection (HPI) system reliability for the A HPI pump in December 2014, and January 2016, was revised. ANO-1 HPI system reliability for the B HPI pump in July 2014, November 2014, and March 2015, was revised. ANO-1 HPI system reliability for the C HPI pump in August 2014, and March 2016, was revised. Test demands and run hours were revised to remove

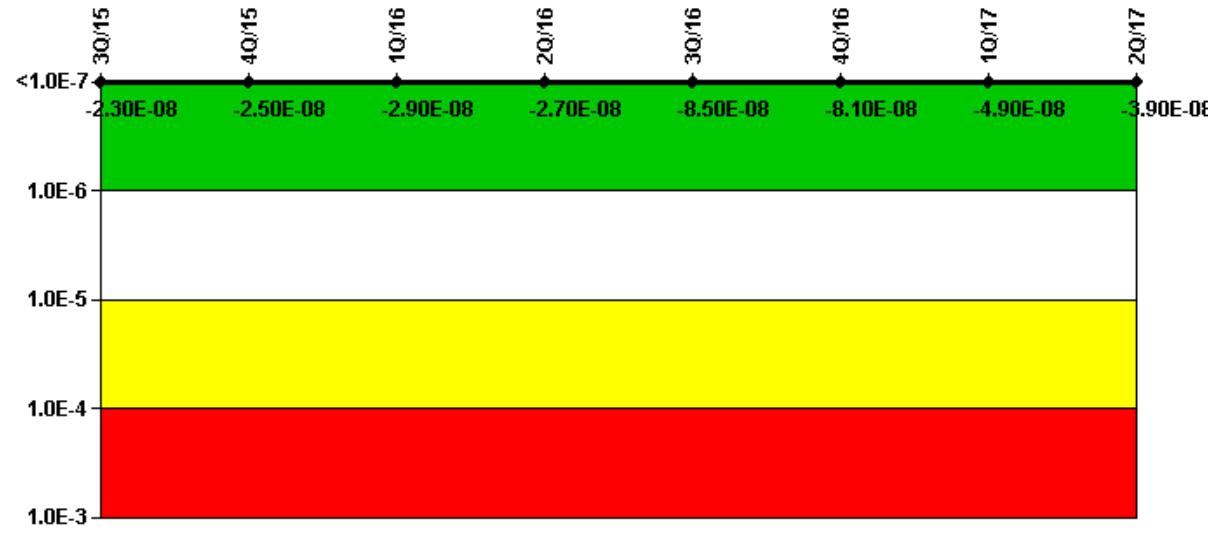
demands related to post-maintenance testing. This change does not affect the color of this indicator.

1Q/16: ANO-1 high pressure injection (HPI) system reliability for the A HPI pump in December 2014, and January 2016, was revised. ANO-1 HPI system reliability for the B HPI pump in July 2014, November 2014, and March 2015, was revised. ANO-1 HPI system reliability for the C HPI pump in August 2014, and March 2016, was revised. Test demands and run hours were revised to remove demands related to post-maintenance testing. This change does not affect the color of this indicator.

4Q/15: ANO-1 high pressure injection (HPI) system reliability for the A HPI pump in December 2014, was revised. ANO-1 HPI system reliability for the B HPI pump in July 2014, November 2014, and March 2015, was revised. ANO-1 HPI system reliability for the C HPI pump in August 2014, was revised. Test demands and run hours were revised to remove demands related to post-maintenance testing. This change does not affect the color of this indicator.

3Q/15: ANO-1 high pressure injection (HPI) system reliability for the A HPI pump in December 2014, was revised. ANO-1 HPI system reliability for the B HPI pump in July 2014, November 2014, and March 2015, was revised. ANO-1 HPI system reliability for the C HPI pump in August 2014, was revised. Test demands and run hours were revised to remove demands related to post-maintenance testing. This change does not affect the color of this indicator.

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

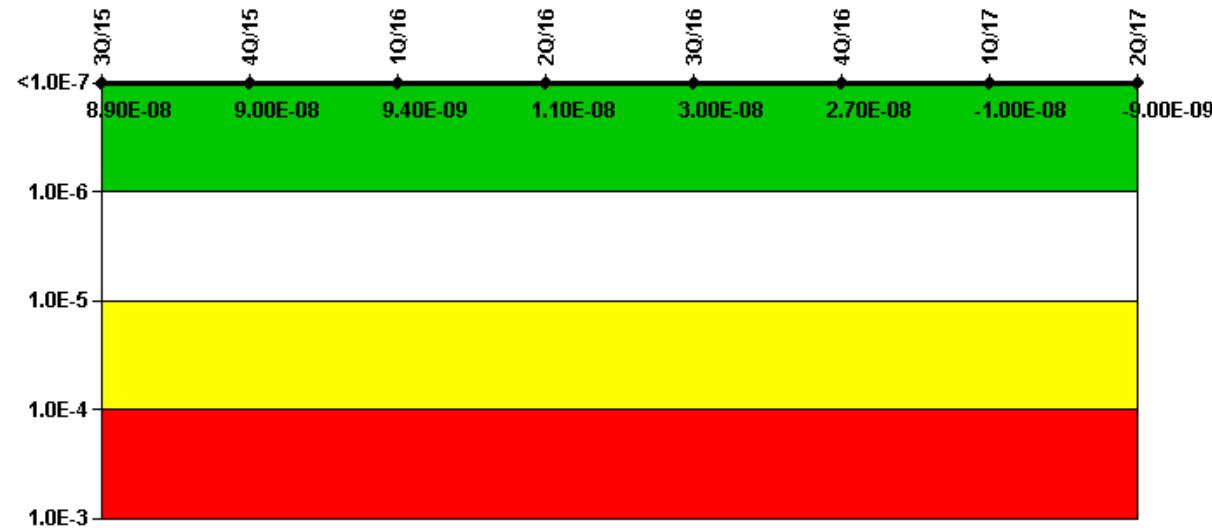
	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (Δ CDF)	-1.14E-09	-3.57E-09	-6.33E-09	-3.95E-09	-3.64E-08	-2.69E-08	5.27E-09	1.72E-08
URI (Δ CDF)	-2.14E-08	-2.19E-08	-2.22E-08	-2.29E-08	-4.88E-08	-5.41E-08	-5.45E-08	-5.58E-08
PLE	NO							
Indicator value	-2.30E-08	-2.50E-08	-2.90E-08	-2.70E-08	-8.50E-08	-8.10E-08	-4.90E-08	-3.90E-08

TOP

Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values, and Devices in-scope.

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

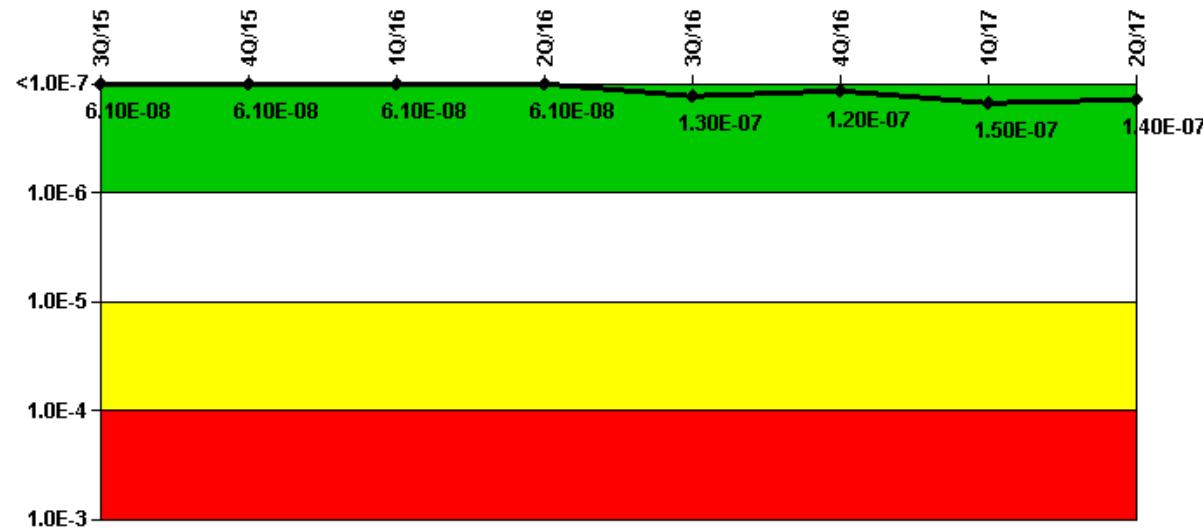
	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (Δ CDF)	5.06E-08	4.80E-08	5.48E-08	4.88E-08	6.14E-08	6.73E-08	3.06E-08	3.56E-08
URI (Δ CDF)	3.86E-08	4.25E-08	-4.54E-08	-3.77E-08	-3.16E-08	-4.08E-08	-4.09E-08	-4.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	8.90E-08	9.00E-08	9.40E-09	1.10E-08	3.00E-08	2.70E-08	-1.00E-08	-9.00E-09

▲ TOP

Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values, Common Cause Failure values and Devices in-scope.

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)	-3.39E-09	-3.39E-09	-3.39E-09	-3.40E-09	-1.11E-07	-1.11E-07	-8.13E-08	-8.06E-08
URI (Δ CDF)	6.47E-08	6.47E-08	6.47E-08	6.48E-08	2.38E-07	2.34E-07	2.30E-07	2.24E-07
PLE	NO							

Indicator value

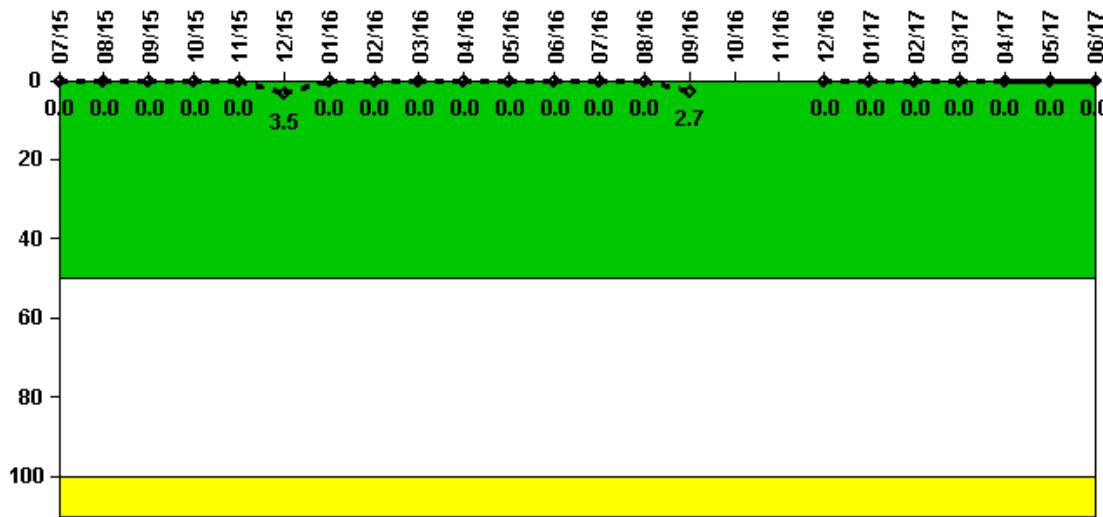
6.10E-08 6.10E-08 6.10E-08 6.10E-08 1.30E-07 1.20E-07 1.50E-07 1.40E-07



Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values, Common Cause Failure values, Devices in-scope and Function revised for three segments vs. two trains.

Reactor Coolant System Activity



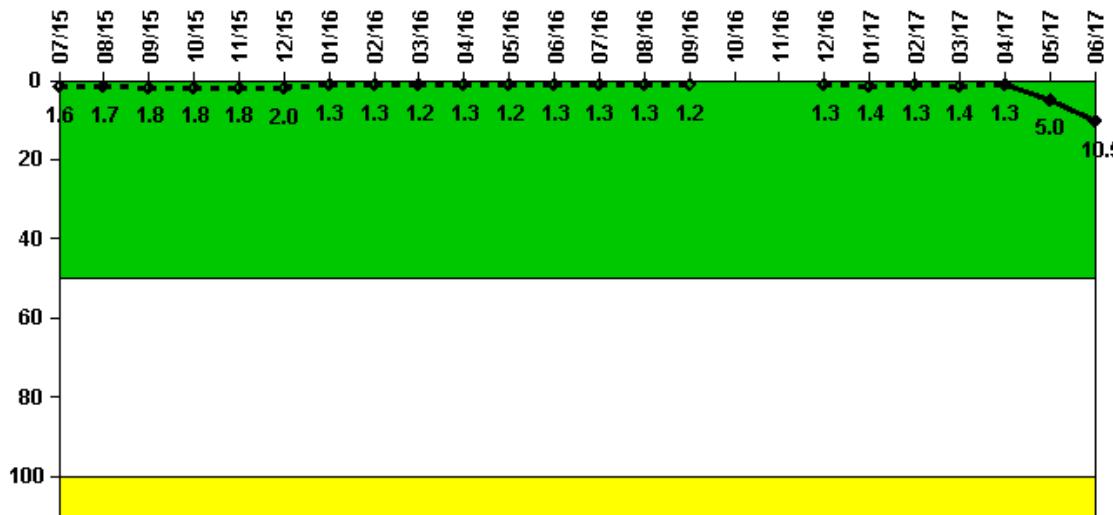
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System		7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Activity		0.000220	0.000208	0.000143	0.000140	0.000194	0.034700	0.000122	0.000153	0.000173	0.000166	0.000214	0.000207
Maximum activity		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Technical specification limit		0	0	0	0	0	3.5	0	0	0	0	0	0
Indicator value		0	0	0	0	0	3.5	0	0	0	0	0	0
Reactor Coolant System Activity		7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17
Maximum activity		0.000222	0.000290	0.026800	N/A	N/A	0.000049	0.000052	0.000057	0.000059	0.000061	0.000069	0.000066
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	2.7	N/A	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 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 0.163 0.168 0.177 0.175 0.182 0.198 0.132 0.128 0.116 0.125 0.121 0.125

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 1.6 1.7 1.8 1.8 1.8 2.0 1.3 1.3 1.2 1.3 1.2 1.3

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

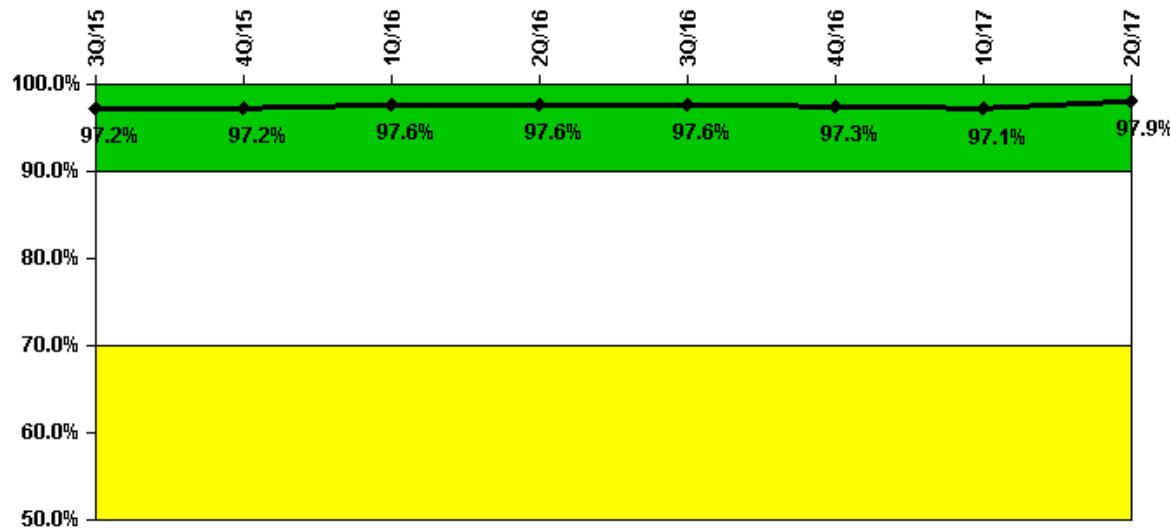
Maximum leakage 0.134 0.131 0.117 N/A N/A 0.132 0.135 0.131 0.135 0.134 0.495 1.050

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 1.3 1.3 1.2 N/A N/A 1.3 1.4 1.3 1.4 1.3 5.0 10.5

TOP

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

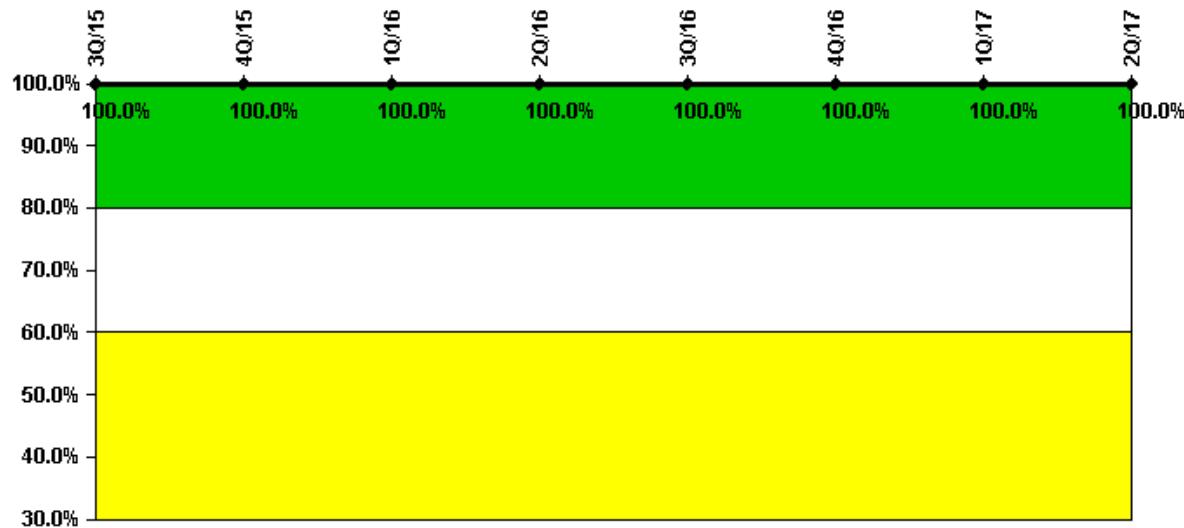
Drill/Exercise Performance	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful opportunities	65.0	19.0	31.0	98.0	63.0	5.0	60.0	39.0
Total opportunities	67.0	19.0	32.0	99.0	65.0	5.0	62.0	39.0

Indicator value **97.2% 97.2% 97.6% 97.6% 97.6% 97.3% 97.1% 97.9%**

TOP

Licensee Comments:

2Q/16: The 2nd Quarter 2016 June Drill/Exercise Performance is being revised to include five additional opportunities. This change does not affect the color of the Drill/Exercise Performance indicator.

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

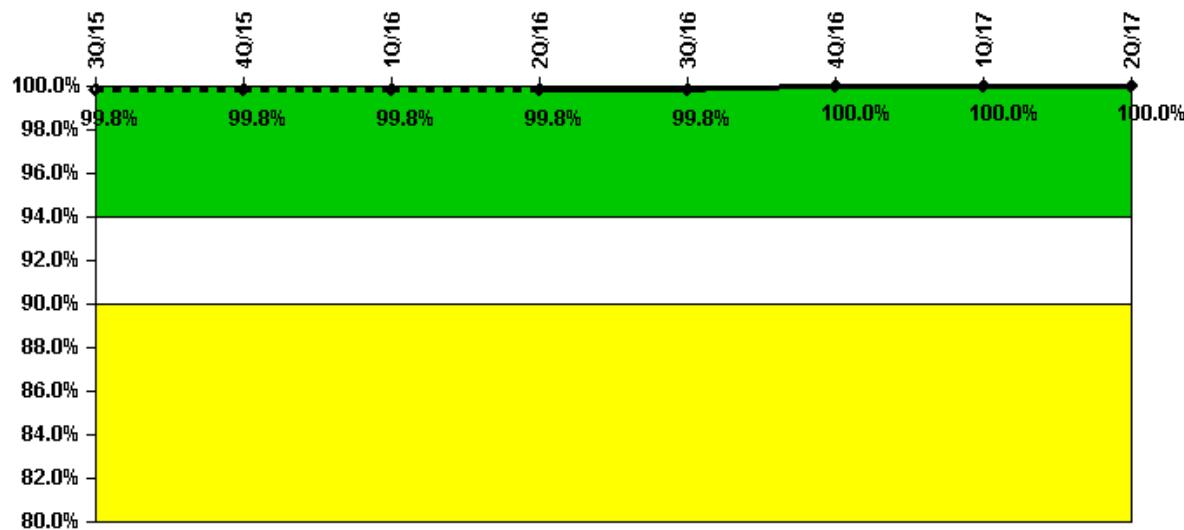
Notes

ERO Drill Participation	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Participating Key personnel	106.0	103.0	103.0	108.0	107.0	111.0	107.0	109.0
Total Key personnel	106.0	103.0	103.0	108.0	107.0	111.0	107.0	109.0

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%

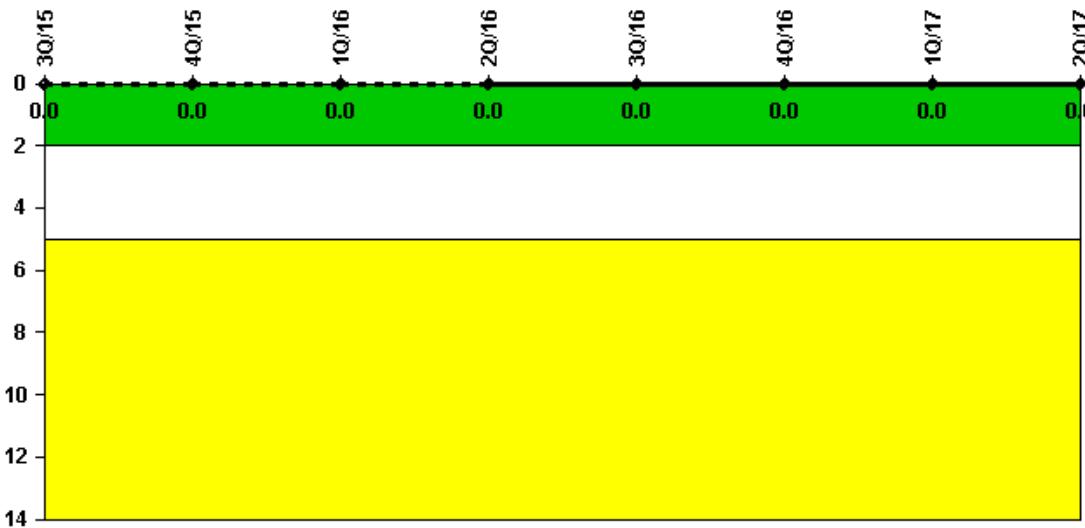
Notes

Alert & Notification System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful siren-tests	147	146	147	147	147	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147

Indicator value 99.8% 99.8% 99.8% 99.8% 99.8% 100.0% 100.0% 100.0%

TOP

Licensee Comments: none

Occupational Exposure Control Effectiveness

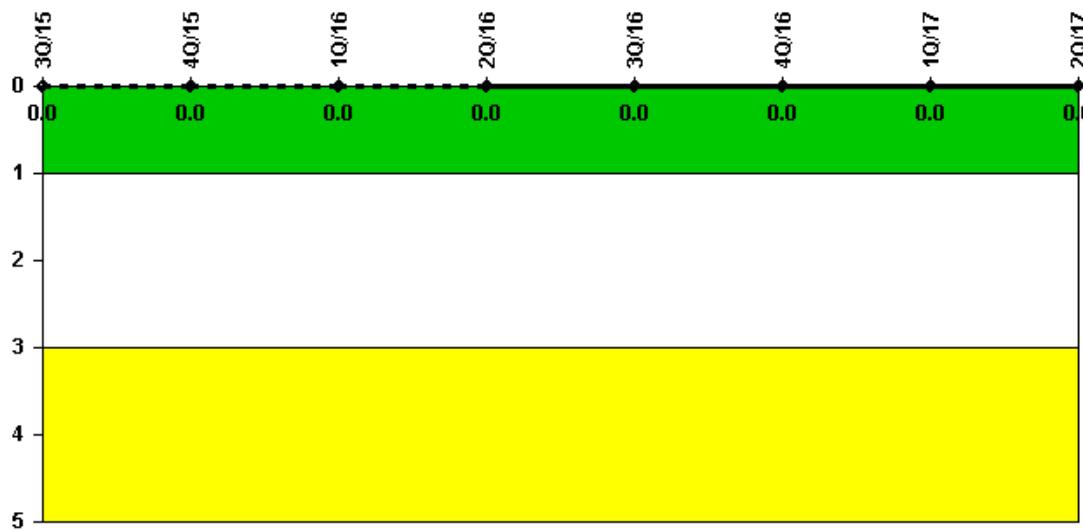
Thresholds: White > 2.0 Yellow > 5.0

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 > Arkansas Nuclear 1 > Quarterly Performance Indicators

Arkansas Nuclear 1 – Quarterly Performance Indicators

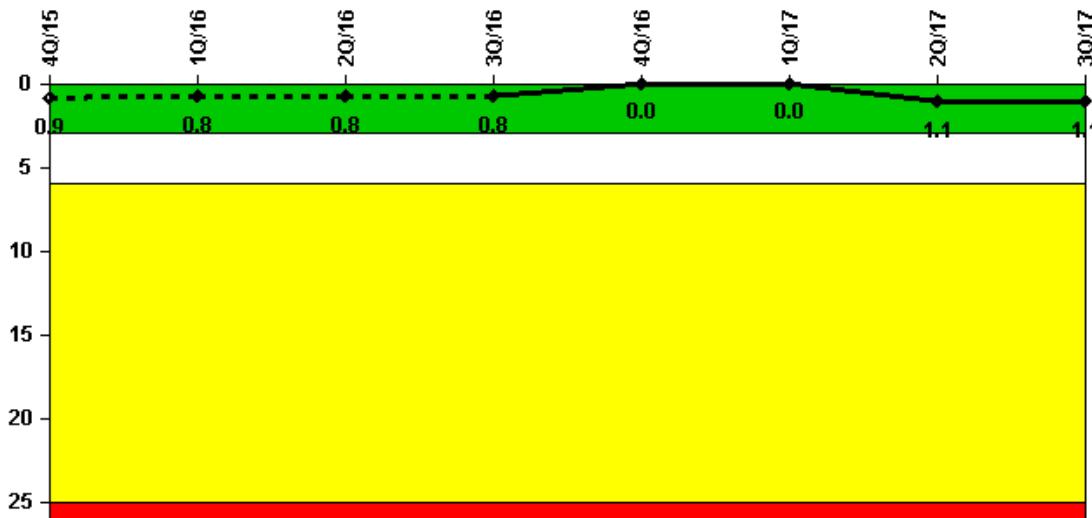
3Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
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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

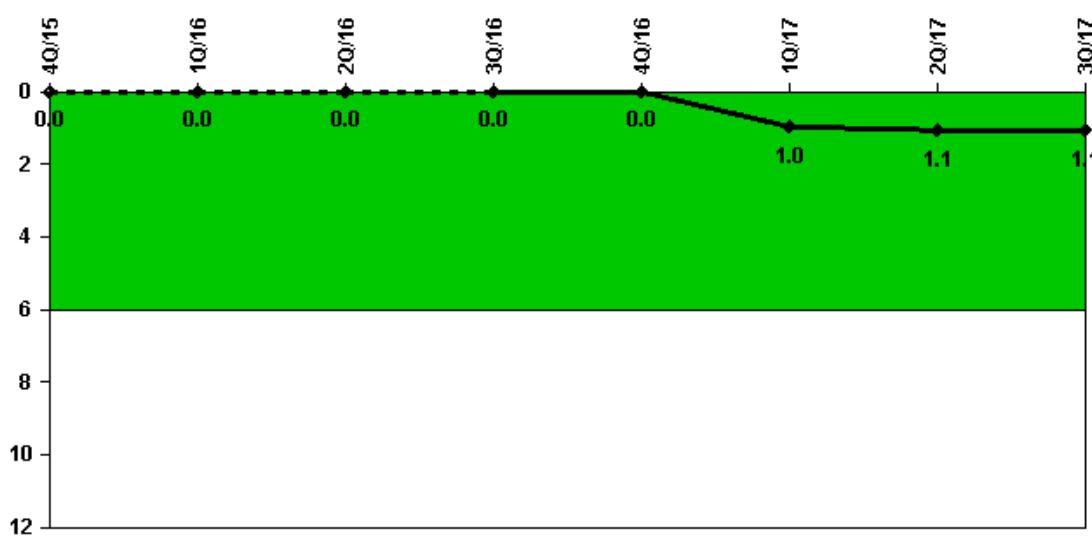
Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned scrams		1.0	0	0	0	0	1.0	0
Critical hours	2141.3	2183.0	2184.0	2040.1	464.1	2159.0	1677.8	2208.0

Indicator value 0.9 0.8 0.8 0.8 0 0 1.1 1.1



Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

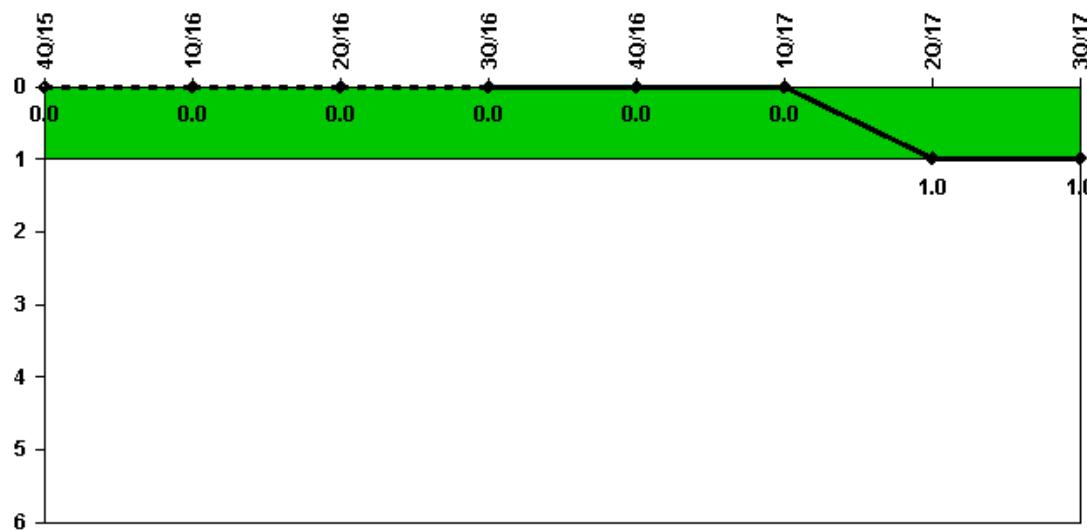
Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	2141.3	2183.0	2184.0	2040.1	464.1	2159.0	1677.8	2208.0

Indicator value 0 0 0 0 0 1.0 1.1 1.1



Licensee Comments: none



Thresholds: White > 1.0

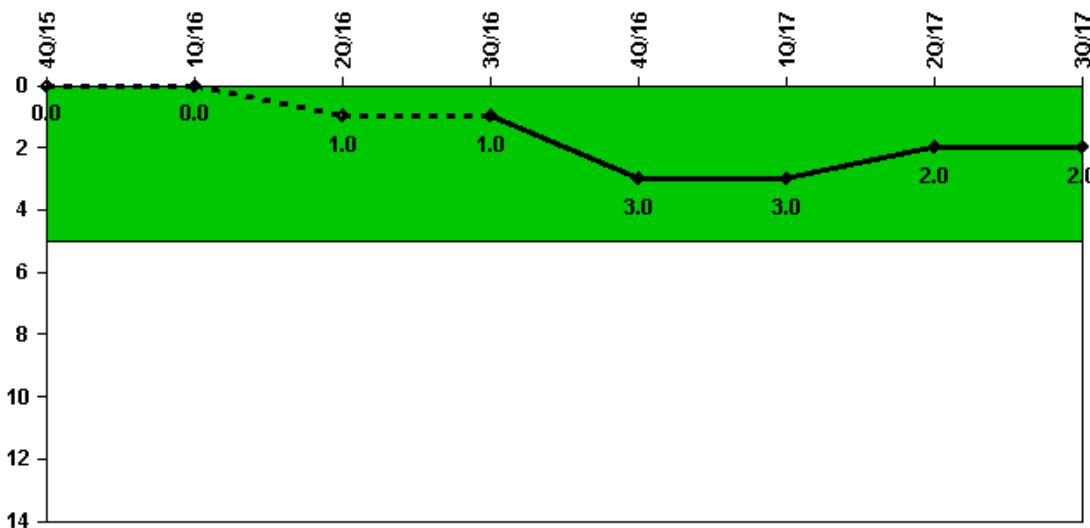
Notes

Unplanned Scrums with Complications 4Q/151Q/162Q/163Q/164Q/161Q/172Q/173Q/174Q
Scrums with complications 0 0 0 0 0 0 1.0 0

Indicator value 0.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0



Licensee Comments: none

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 1 0 2 0 0 0

Indicator value 0 0 1 1 3 3 2 2

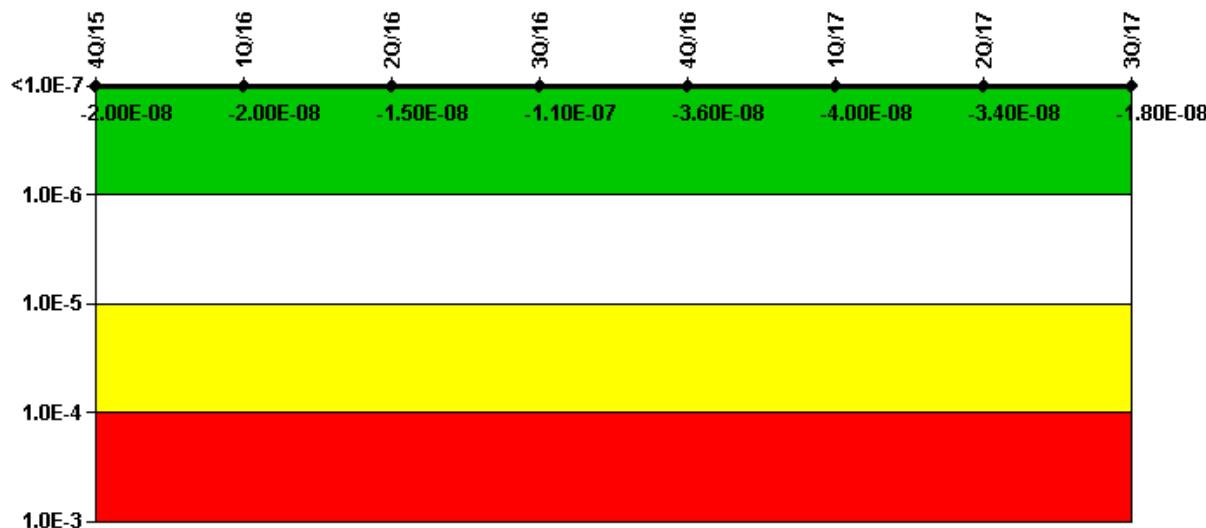
▲ TOP

Licensee Comments:

4Q/16: October: Licensing Event Report 50-313 2016-003-00, November: Licensing Event Report 50-313 2016-004-00

2Q/16: LER 50-313/2016-001-00

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

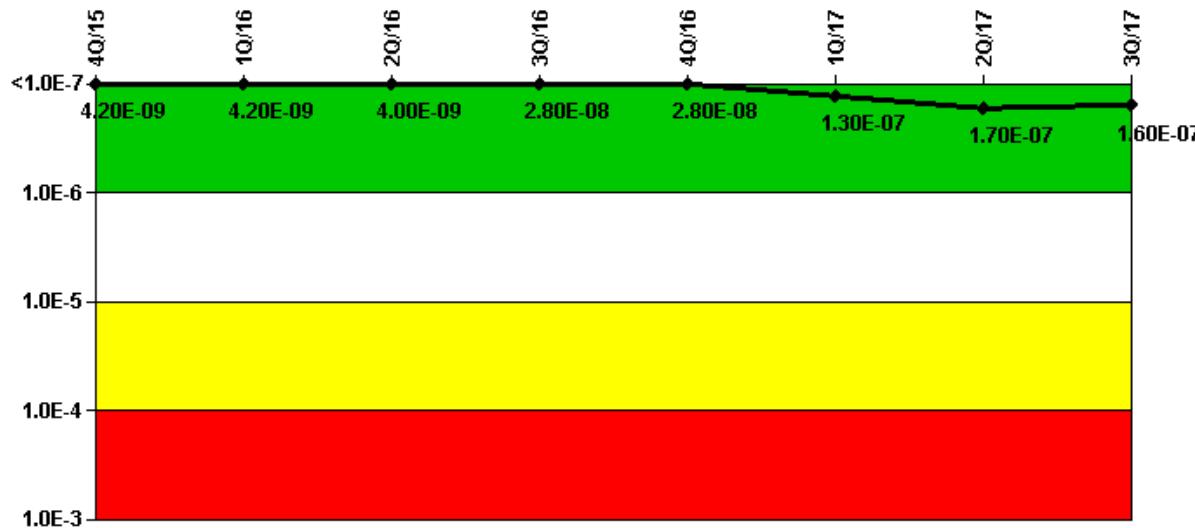
Mitigating Systems Performance Index, Emergency AC Power System		4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (Δ CDF)		5.40E-10	5.36E-10	-4.95E-10	-6.70E-09	5.62E-09	-4.77E-09	-4.51E-09	1.48E-08
URI (Δ CDF)		-2.05E-08	-2.02E-08	-1.46E-08	-1.01E-07	-4.20E-08	-3.50E-08	-2.91E-08	-3.23E-08
PLE		NO							
Indicator value		-2.00E-08	-2.00E-08	-1.50E-08	-1.10E-07	-3.60E-08	-4.00E-08	-3.40E-08	-1.80E-08

▲ TOP

Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values and Unreliability FV/UA values.

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)	-8.23E-12	-8.26E-12	-8.49E-12	-3.43E-12	-3.34E-12	1.53E-12	1.76E-12	1.56E-13
URI (Δ CDF)	4.19E-09	4.16E-09	4.05E-09	2.80E-08	2.77E-08	1.30E-07	1.65E-07	1.61E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.20E-09	4.20E-09	4.00E-09	2.80E-08	2.80E-08	1.30E-07	1.70E-07	1.60E-07

▲ TOP

Licensee Comments:

1Q/17: ANO-1 high pressure injection (HPI) system reliability for the A HPI pump in December 2014, and January 2016, was revised. ANO-1 HPI system reliability for the B HPI pump in July 2014, November 2014, March 2015, and August 2016, was revised. ANO-1 HPI system reliability for the C HPI pump in August 2014, and March 2016, was revised. Test demands and run hours were revised to remove demands related to post-maintenance testing. This change does not affect the color of this indicator.

4Q/16: ANO-1 high pressure injection (HPI) system reliability for the A HPI pump in December 2014, and January 2016, was revised. ANO-1 HPI system reliability for the B HPI pump in July 2014, November 2014, March 2015, and August 2016, was revised. ANO-1 HPI system reliability for the C HPI pump in August 2014, and March 2016, was revised. Test demands and run hours were revised to remove demands related to post-maintenance testing. This change does not affect the color of this indicator.

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values and Estimated Reliability values.

3Q/16: Revision to Unit Core Damage Frequency, Unavailability FV/UA values, Unreliability FV/UA values and Estimated Reliability values. ANO-1 high pressure injection (HPI) system reliability for the A HPI pump in December 2014, and January 2016, was revised. ANO-1 HPI system reliability for the B HPI pump in July 2014, November 2014, March 2015, and August 2016, was revised. ANO-1 HPI system reliability for the C HPI pump in August 2014, and March 2016, was revised. Test demands and run hours were revised to remove demands related to post-maintenance testing. This change does not affect the color of this indicator.

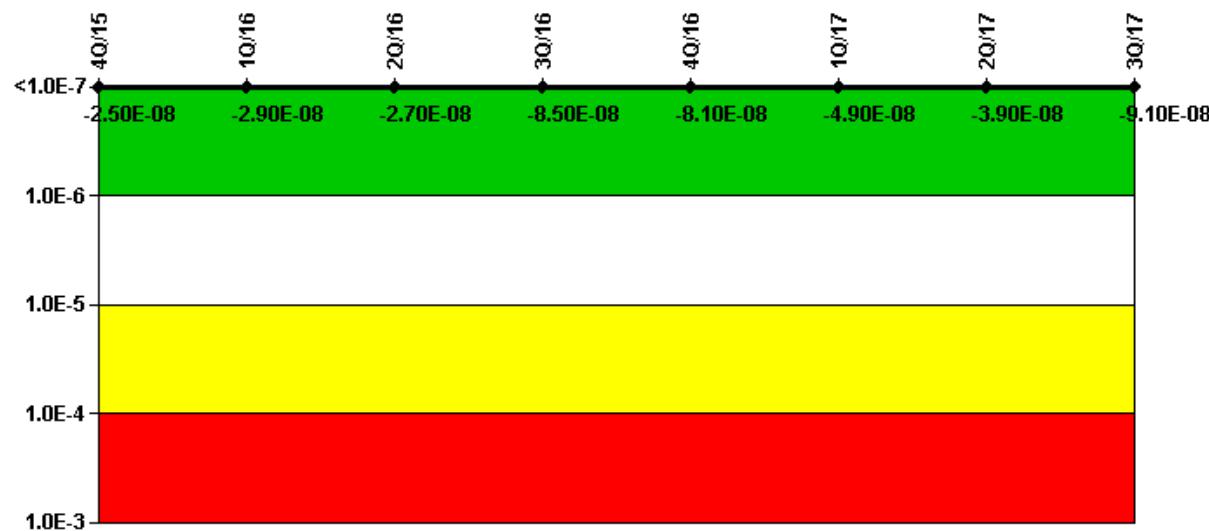
2Q/16: ANO-1 high pressure injection (HPI) system reliability for the A HPI pump in December 2014, and January 2016, was revised. ANO-1 HPI system reliability for the B HPI pump in July 2014, November 2014, and March 2015, was revised. ANO-1 HPI system reliability for the C HPI pump in August 2014, and March 2016, was revised. Test demands and run hours were revised to remove

demands related to post-maintenance testing. This change does not affect the color of this indicator.

1Q/16: ANO-1 high pressure injection (HPI) system reliability for the A HPI pump in December 2014, and January 2016, was revised. ANO-1 HPI system reliability for the B HPI pump in July 2014, November 2014, and March 2015, was revised. ANO-1 HPI system reliability for the C HPI pump in August 2014, and March 2016, was revised. Test demands and run hours were revised to remove demands related to post-maintenance testing. This change does not affect the color of this indicator.

4Q/15: ANO-1 high pressure injection (HPI) system reliability for the A HPI pump in December 2014, was revised. ANO-1 HPI system reliability for the B HPI pump in July 2014, November 2014, and March 2015, was revised. ANO-1 HPI system reliability for the C HPI pump in August 2014, was revised. Test demands and run hours were revised to remove demands related to post-maintenance testing. This change does not affect the color of this indicator.

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

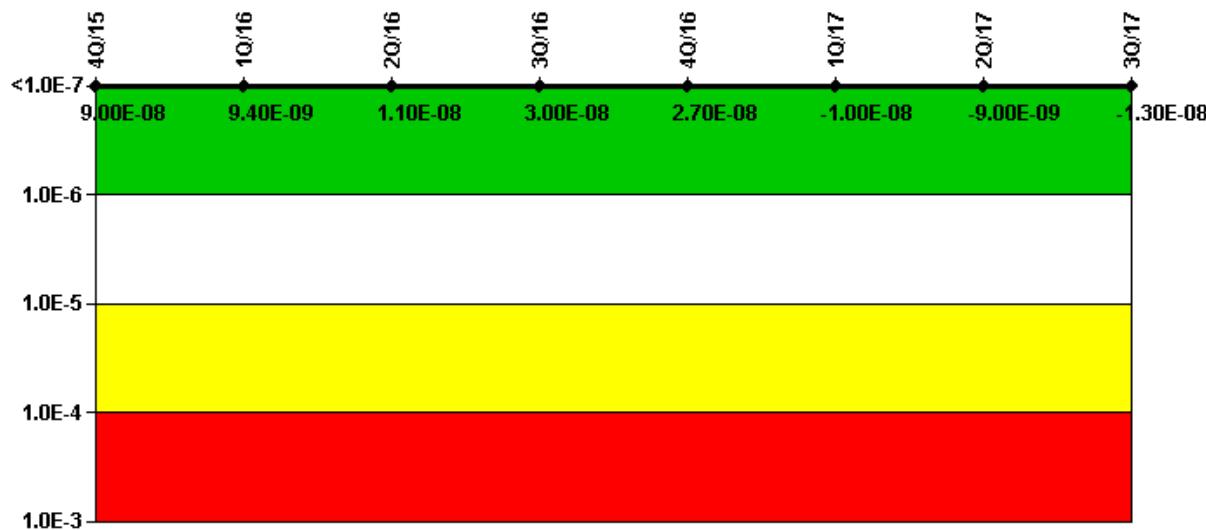
	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (Δ CDF)	-3.57E-09	-6.33E-09	-3.95E-09	-3.64E-08	-2.69E-08	5.27E-09	1.72E-08	-3.47E-08
URI (Δ CDF)	-2.19E-08	-2.22E-08	-2.29E-08	-4.88E-08	-5.41E-08	-5.45E-08	-5.58E-08	-5.62E-08
PLE	NO							
Indicator value	-2.50E-08	-2.90E-08	-2.70E-08	-8.50E-08	-8.10E-08	-4.90E-08	-3.90E-08	-9.10E-08

▲ TOP

Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values, and Devices in-scope.

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

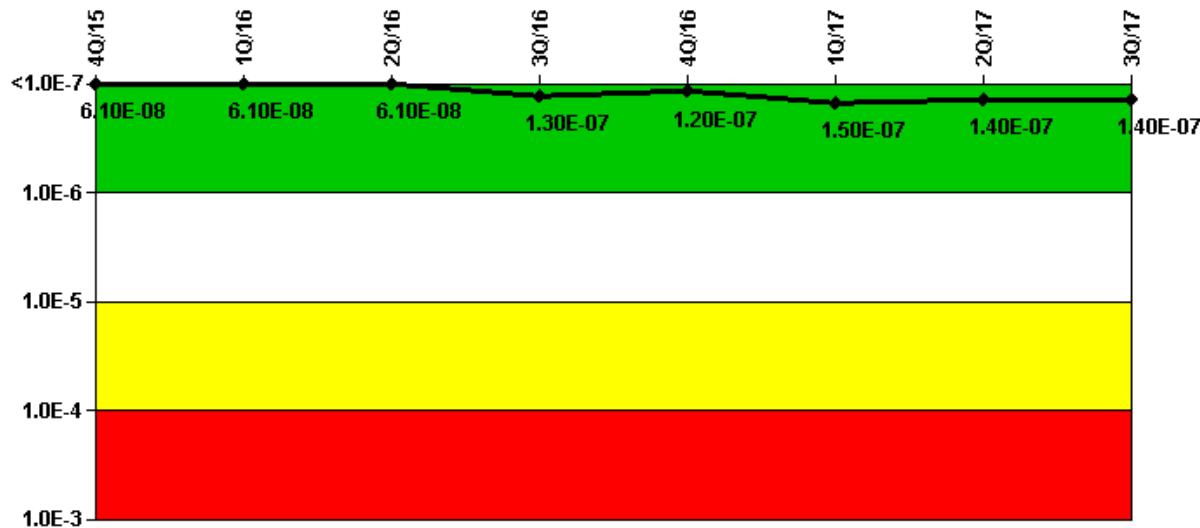
Mitigating Systems Performance Index, Residual Heat Removal System

	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (Δ CDF)	4.80E-08	5.48E-08	4.88E-08	6.14E-08	6.73E-08	3.06E-08	3.56E-08	3.11E-08
URI (Δ CDF)	4.25E-08	-4.54E-08	-3.77E-08	-3.16E-08	-4.08E-08	-4.09E-08	-4.47E-08	-4.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	9.00E-08	9.40E-09	1.10E-08	3.00E-08	2.70E-08	-1.00E-08	-9.00E-09	-1.30E-08

▲ TOP

Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values, Common Cause Failure values and Devices in-scope.

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)	-3.39E-09	-3.39E-09	-3.40E-09	-1.11E-07	-1.11E-07	-8.13E-08	-8.06E-08	-8.06E-08
URI (Δ CDF)	6.47E-08	6.47E-08	6.48E-08	2.38E-07	2.34E-07	2.30E-07	2.24E-07	2.21E-07
PLE	NO							

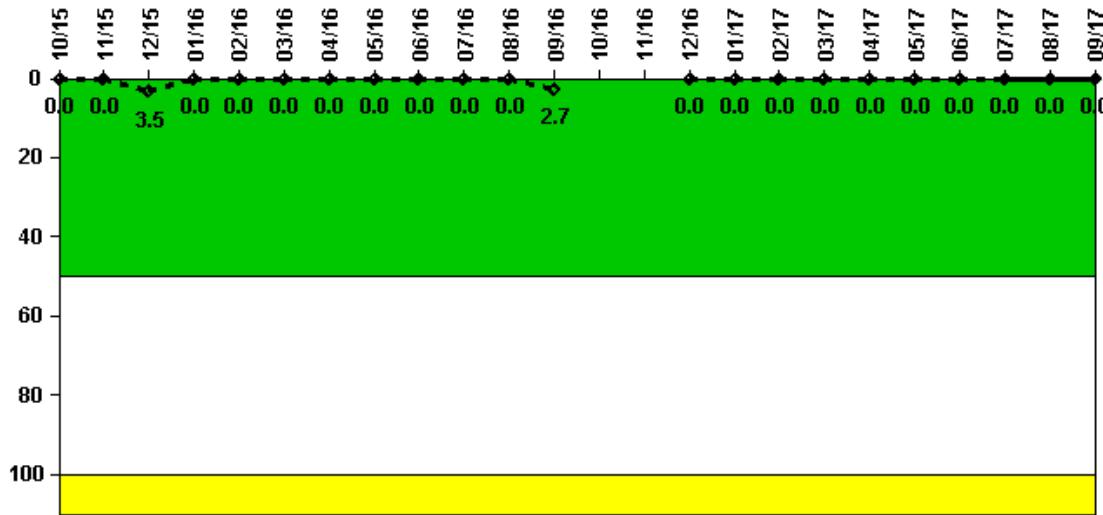
Indicator value

6.10E-08 6.10E-08 6.10E-08 1.30E-07 1.20E-07 1.50E-07 1.40E-07 1.40E-07

▲ TOP

Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values, Common Cause Failure values, Devices in-scope and Function revised for three segments vs. two trains.

Reactor Coolant System Activity

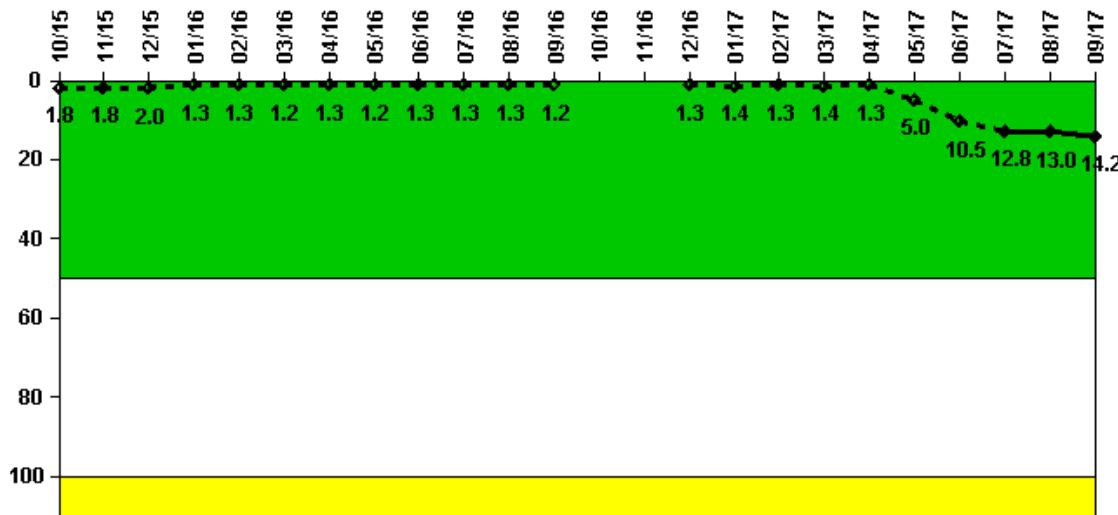
Thresholds: White > 50.0 Yellow > 100.0

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	0.000140	0.000194	0.034700	0.000122	0.000153	0.000173	0.000166	0.000214	0.000207	0.000222	0.000290	0.026800
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	3.5	0	0	0	0	0	0	0	0	2.7
Reactor Coolant System Activity	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Maximum activity	N/A	N/A	0.000049	0.000052	0.000057	0.000059	0.000061	0.000069	0.000066	0.000069	0.000073	0.000282
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	N/A	N/A	0	0	0	0	0	0	0	0	0	0

TOP

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage 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 0.175 0.182 0.198 0.132 0.128 0.116 0.125 0.121 0.125 0.134 0.131 0.117

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 1.8 1.8 2.0 1.3 1.3 1.2 1.3 1.2 1.3 1.3 1.3 1.2

Reactor Coolant System Leakage 10/16 11/16 12/16 1/17 2/17 3/17 4/17 5/17 6/17 7/17 8/17 9/17

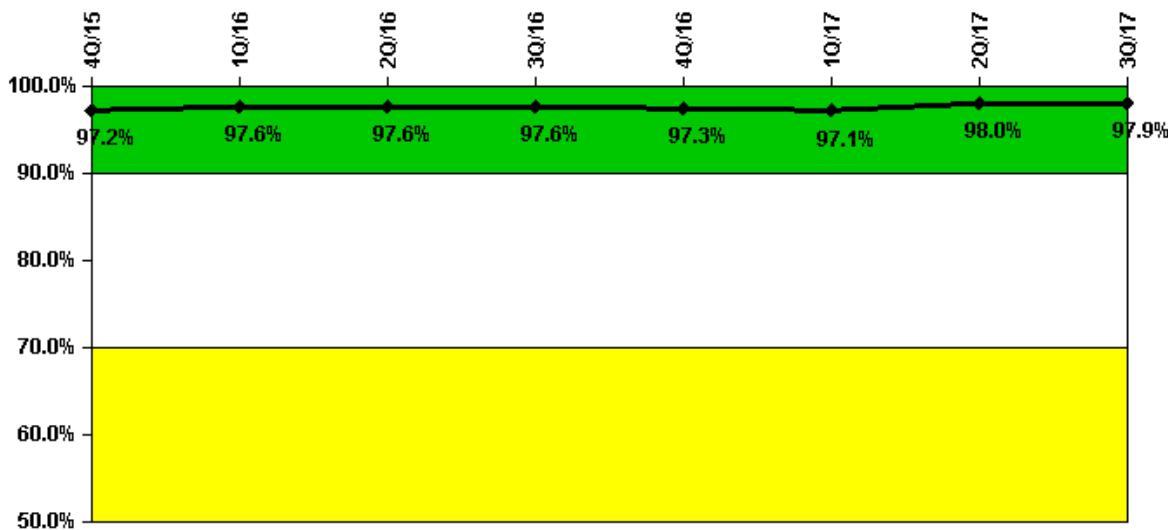
Maximum leakage N/A N/A 0.132 0.135 0.131 0.135 0.134 0.495 1.050 1.278 1.298 1.422

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 N/A 1.3 1.4 1.3 1.4 1.3 5.0 10.5 12.8 13.0 14.2

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	19.0	31.0	98.0	63.0	5.0	60.0	48.0	91.0
Total opportunities	19.0	32.0	99.0	65.0	5.0	62.0	48.0	94.0

Indicator value **97.2% 97.6% 97.6% 97.6% 97.3% 97.1% 98.0% 97.9%**

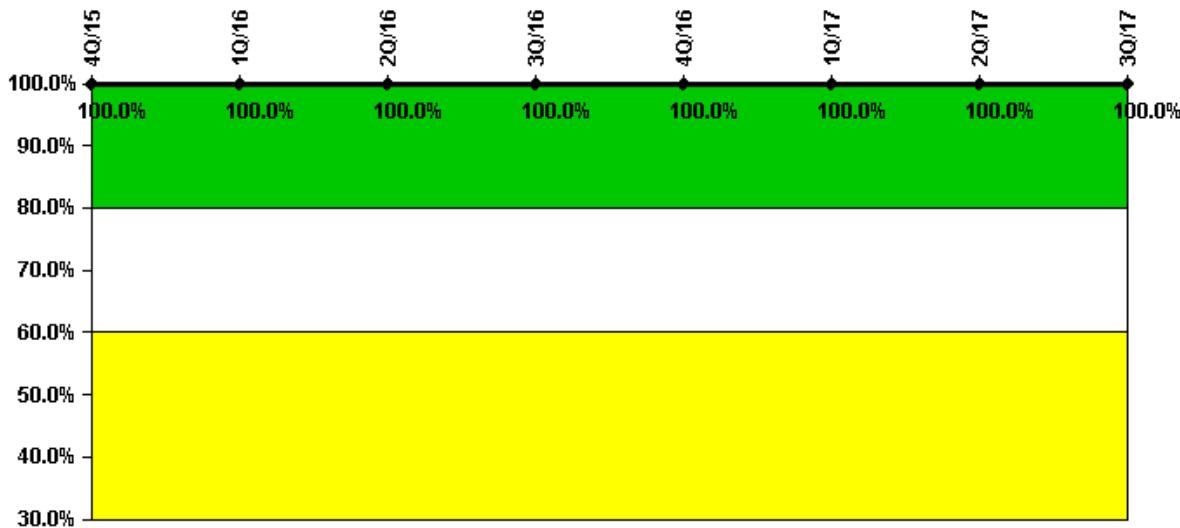
TOP

Licensee Comments:

2Q/17: The 2nd Quarter 2017 Drill/Exercise Performance is being revised to include nine additional opportunities. This change does not affect the color of the Drill/Exercise Performance indicator.

2Q/16: The 2nd Quarter 2016 June Drill/Exercise Performance is being revised to include five additional opportunities. This change does not affect the color of the Drill/Exercise Performance indicator.

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

Notes

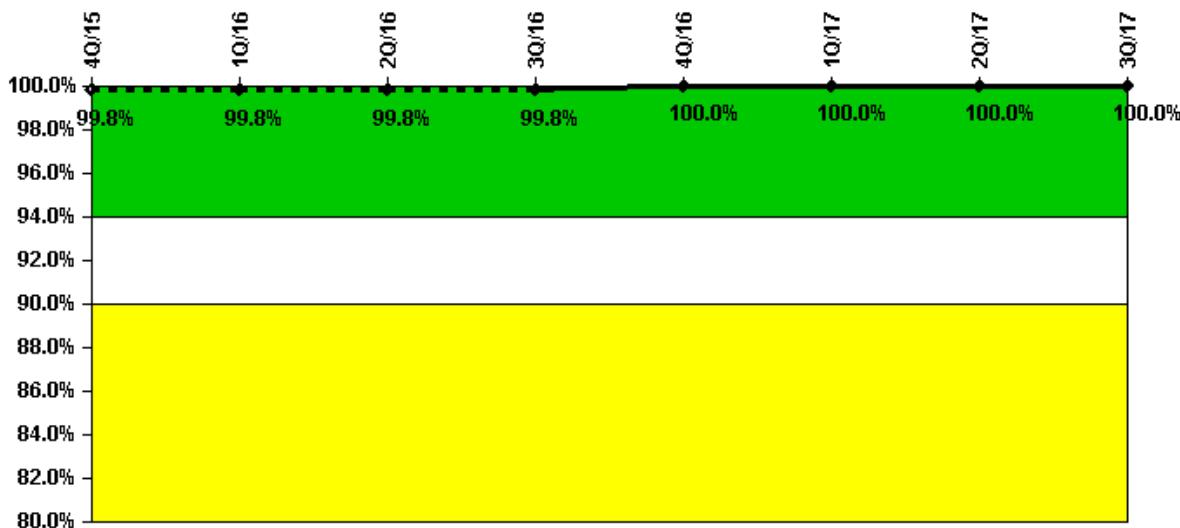
ERO Drill Participation	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Participating Key personnel	103.0	103.0	108.0	107.0	111.0	107.0	109.0	113.0
Total Key personnel	103.0	103.0	108.0	107.0	111.0	107.0	109.0	113.0

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%

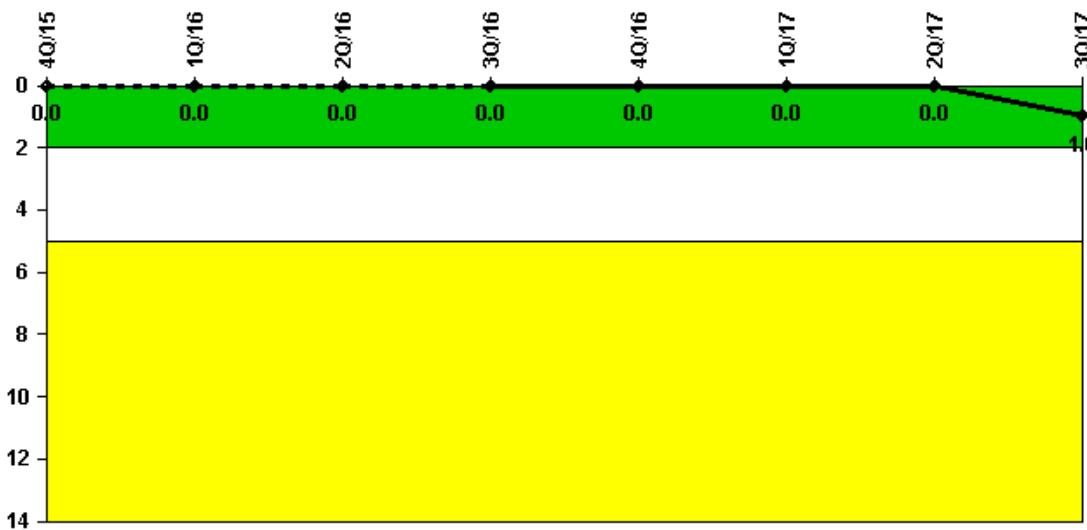
Notes

Alert & Notification System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Successful siren-tests	146	147	147	147	147	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147

Indicator value 99.8% 99.8% 99.8% 99.8% 100.0% 100.0% 100.0% 100.0%

TOP

Licensee Comments: none

Occupational Exposure Control Effectiveness

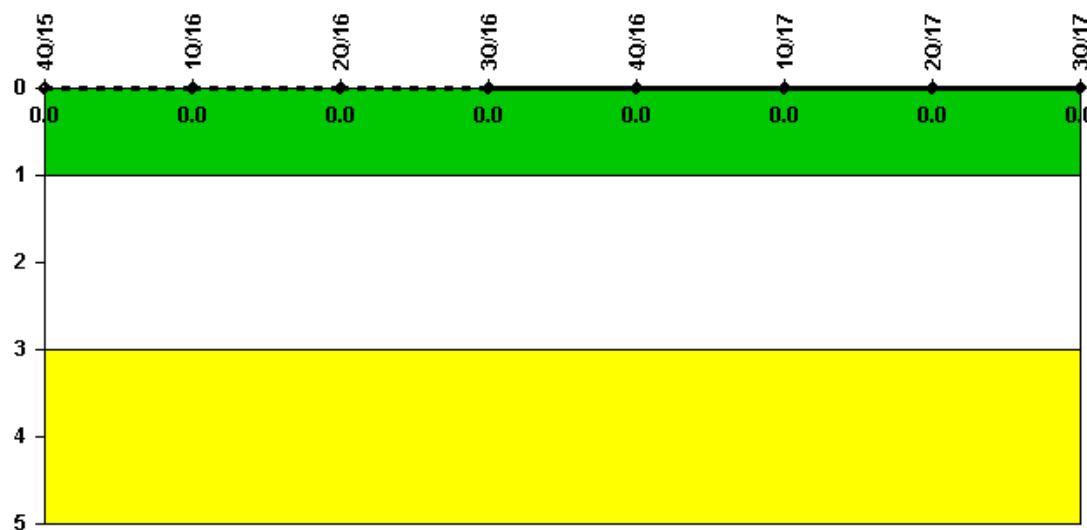
Thresholds: White > 2.0 Yellow > 5.0

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

TOP

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 > Arkansas Nuclear 1 > Quarterly Performance Indicators

Arkansas Nuclear 1 – Quarterly Performance Indicators

4Q/2017 Performance Indicators

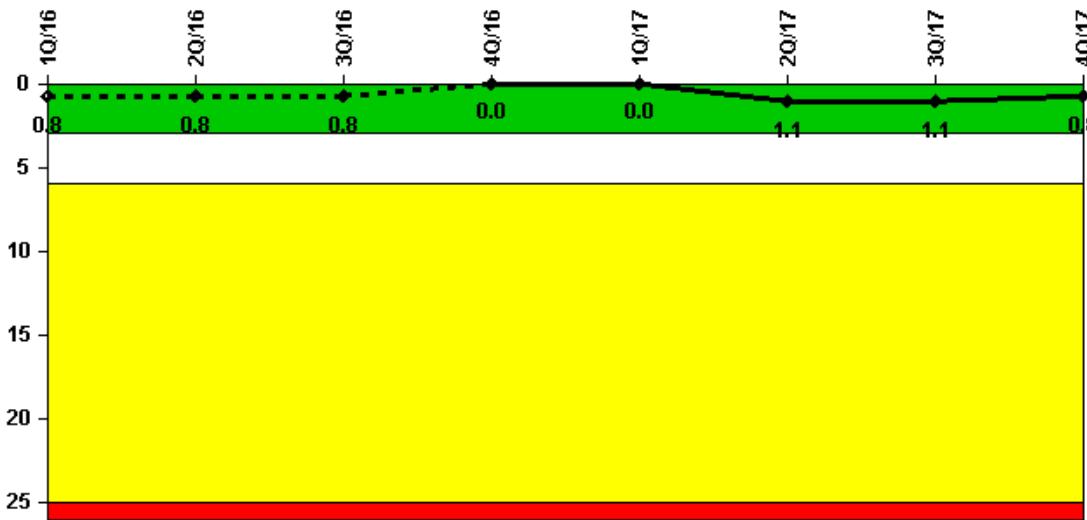
The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- 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

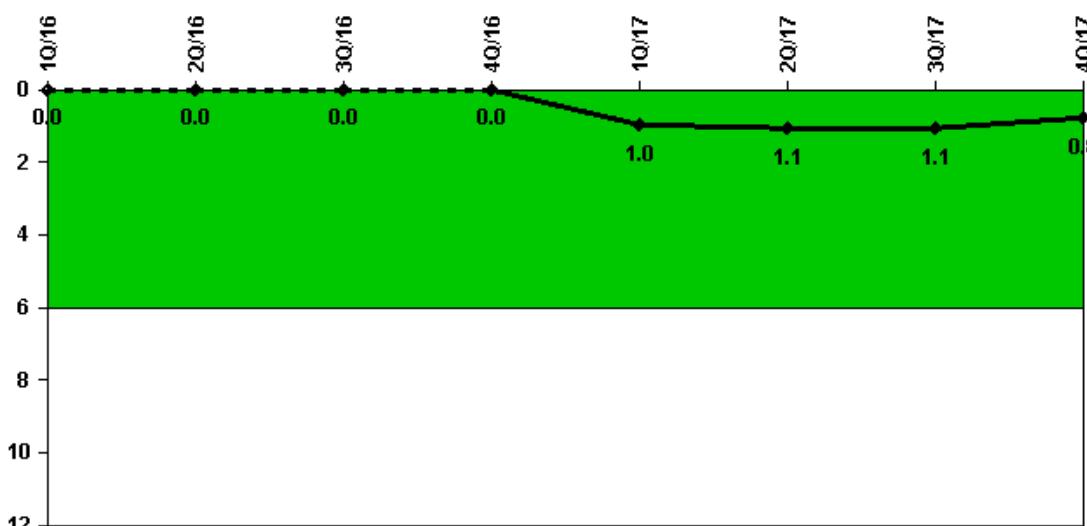
Unplanned Scrams per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned scrams	0	0	0	0	0	1.0	0	0
Critical hours	2183.0	2184.0	2040.1	464.1	2159.0	1677.8	2208.0	2209.0

Indicator value



Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

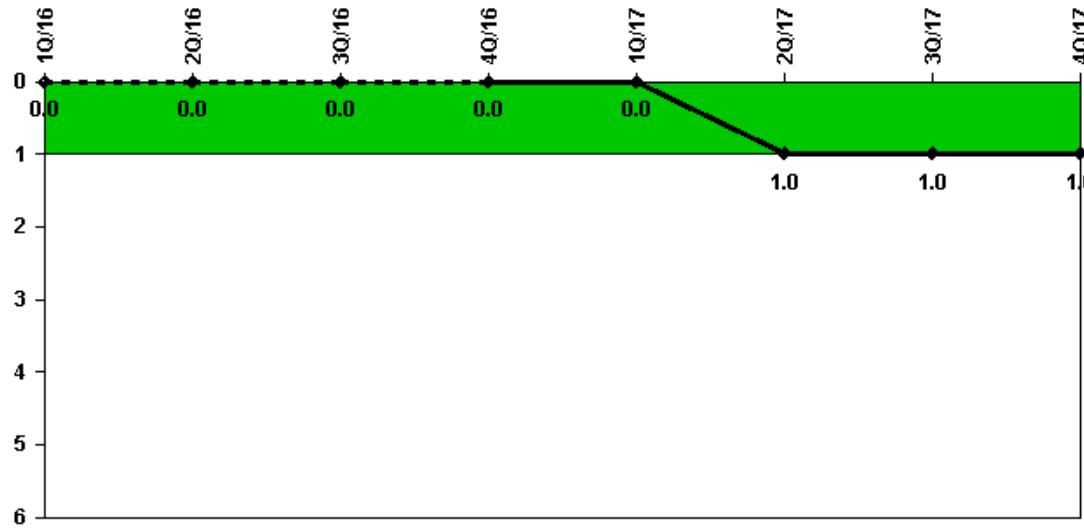
Notes

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	1.0	0	0	0
Critical hours	2183.0	2184.0	2040.1	464.1	2159.0	1677.8	2208.0	2209.0

Indicator value **0** **0** **0** **0** **1.0** **1.1** **1.1** **0.8**



Licensee Comments: none



Thresholds: White > 1.0

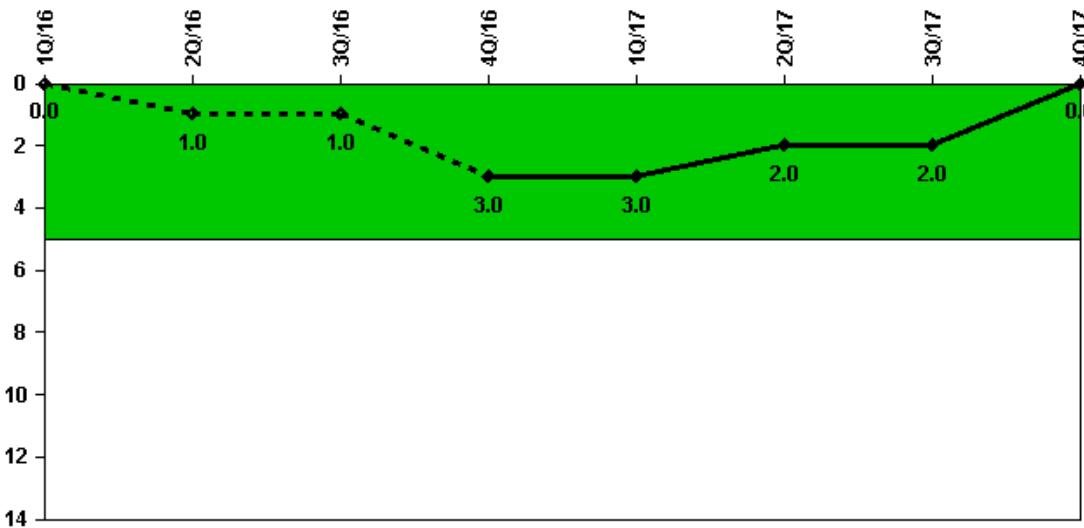
Notes

Unplanned Scrams with Complications	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Scrams with complications	0	0	0	0	0	1.0	0	0

Indicator value 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 1.0



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 1 0 2 0 0 0 0

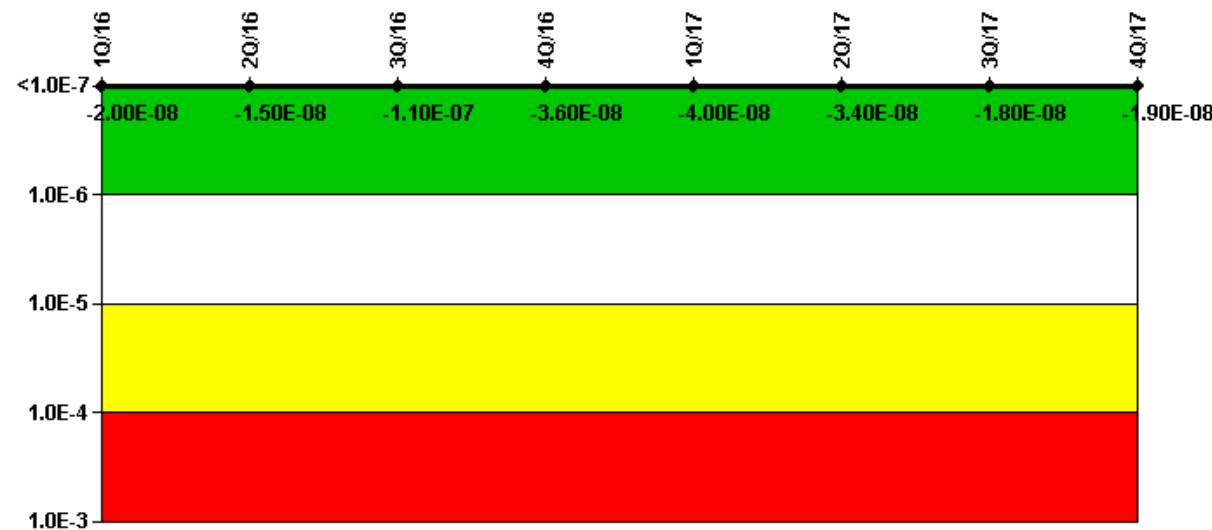
Indicator value 0 1 1 3 3 2 2 0

TOP

Licensee Comments:

4Q/16: October: Licensing Event Report 50-313 2016-003-00, November: Licensing Event Report 50-313 2016-004-00
2Q/16: LER 50-313/2016-001-00

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

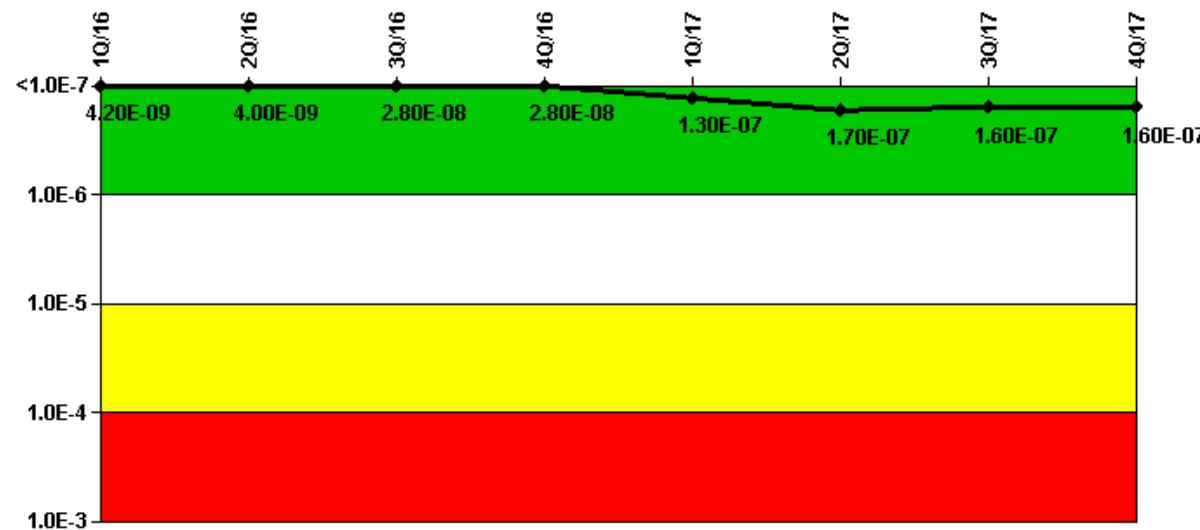
	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (Δ CDF)	5.36E-10	-4.95E-10	-6.70E-09	5.62E-09	-4.77E-09	-4.51E-09	1.48E-08	1.49E-08
URI (Δ CDF)	-2.02E-08	-1.46E-08	-1.01E-07	-4.20E-08	-3.50E-08	-2.91E-08	-3.23E-08	-3.39E-08
PLE	NO							
Indicator value	-2.00E-08	-1.50E-08	-1.10E-07	-3.60E-08	-4.00E-08	-3.40E-08	-1.80E-08	-1.90E-08

▲ TOP

Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values and Unreliability FV/UA values.

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)	-8.26E-12	-8.49E-12	-3.43E-12	-3.34E-12	1.53E-12	1.76E-12	1.56E-13	1.19E-12
URI (Δ CDF)	4.16E-09	4.05E-09	2.80E-08	2.77E-08	1.30E-07	1.65E-07	1.61E-07	1.60E-07
PLE	NO							
Indicator value	4.20E-09	4.00E-09	2.80E-08	2.80E-08	1.30E-07	1.70E-07	1.60E-07	1.60E-07

▲ TOP

Licensee Comments:

1Q/17: ANO-1 high pressure injection (HPI) system reliability for the A HPI pump in December 2014, and January 2016, was revised. ANO-1 HPI system reliability for the B HPI pump in July 2014, November 2014, March 2015, and August 2016, was revised. ANO-1 HPI system reliability for the C HPI pump in August 2014, and March 2016, was revised. Test demands and run hours were revised to remove demands related to post-maintenance testing. This change does not affect the color of this indicator.

4Q/16: ANO-1 high pressure injection (HPI) system reliability for the A HPI pump in December 2014, and January 2016, was revised. ANO-1 HPI system reliability for the B HPI pump in July 2014, November 2014, March 2015, and August 2016, was revised. ANO-1 HPI system reliability for the C HPI pump in August 2014, and March 2016, was revised. Test demands and run hours were revised to remove demands related to post-maintenance testing. This change does not affect the color of this indicator.

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values and Estimated Reliability values.

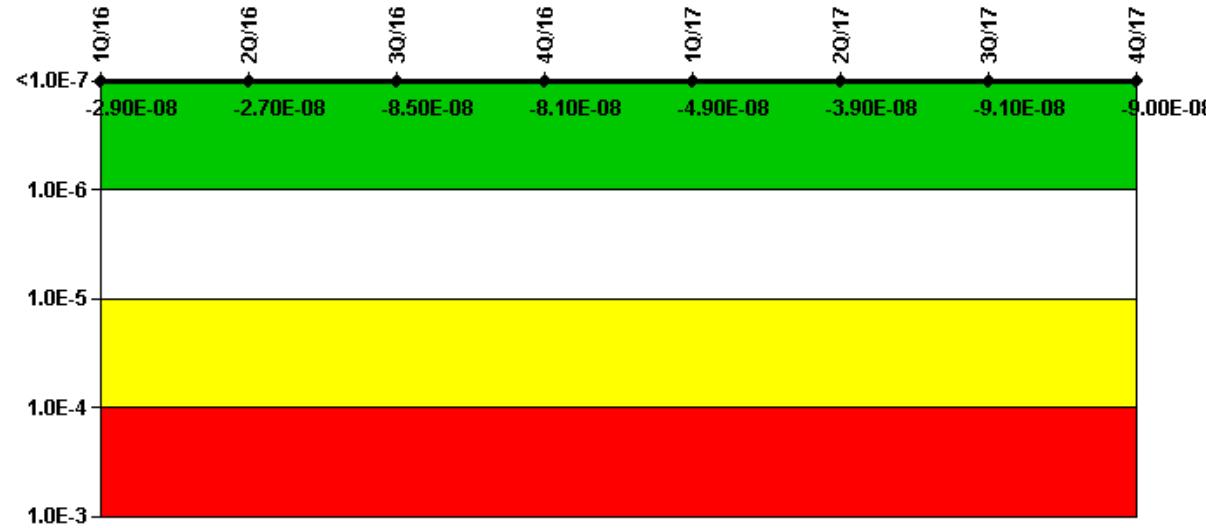
3Q/16: Revision to Unit Core Damage Frequency, Unavailability FV/UA values, Unreliability FV/UA values and Estimated Reliability values. ANO-1 high pressure injection (HPI) system reliability for the A HPI pump in December 2014, and January 2016, was revised. ANO-1 HPI system reliability for the B HPI pump in July 2014, November 2014, March 2015, and August 2016, was revised. ANO-1 HPI system reliability for the C HPI pump in August 2014, and March 2016, was revised. Test demands and run hours were revised to remove demands related to post-maintenance testing. This change does not affect the color of this indicator.

2Q/16: ANO-1 high pressure injection (HPI) system reliability for the A HPI pump in December 2014, and January 2016, was revised. ANO-1 HPI system reliability for the B HPI pump in July 2014, November 2014, and March 2015, was revised. ANO-1 HPI system reliability for the C HPI pump in August 2014, and March 2016, was revised. Test demands and run hours were revised to remove

demands related to post-maintenance testing. This change does not affect the color of this indicator.

1Q/16: ANO-1 high pressure injection (HPI) system reliability for the A HPI pump in December 2014, and January 2016, was revised. ANO-1 HPI system reliability for the B HPI pump in July 2014, November 2014, and March 2015, was revised. ANO-1 HPI system reliability for the C HPI pump in August 2014, and March 2016, was revised. Test demands and run hours were revised to remove demands related to post-maintenance testing. This change does not affect the color of this indicator.

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

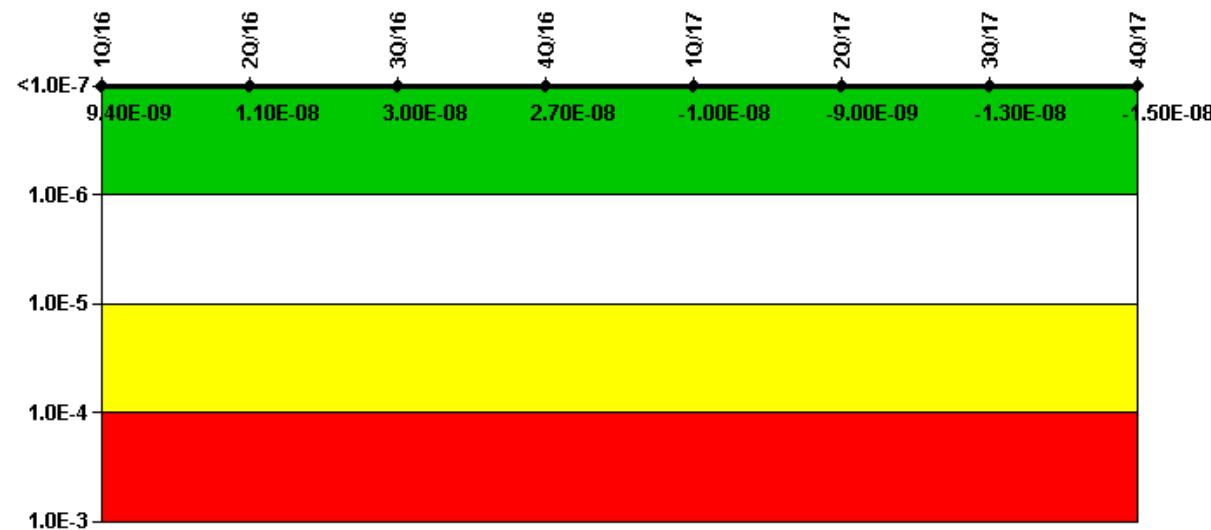
	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (Δ CDF)	-6.33E-09	-3.95E-09	-3.64E-08	-2.69E-08	5.27E-09	1.72E-08	-3.47E-08	-3.31E-08
URI (Δ CDF)	-2.22E-08	-2.29E-08	-4.88E-08	-5.41E-08	-5.45E-08	-5.58E-08	-5.62E-08	-5.66E-08
PLE	NO							
Indicator value	-2.90E-08	-2.70E-08	-8.50E-08	-8.10E-08	-4.90E-08	-3.90E-08	-9.10E-08	-9.00E-08

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Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values, and Devices in-scope.

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

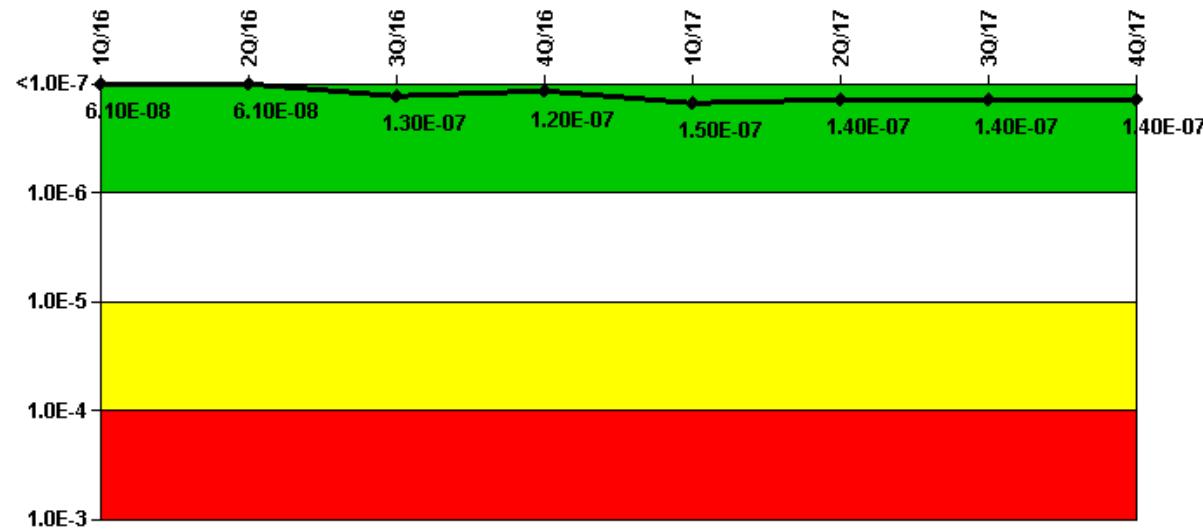
	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (Δ CDF)	5.48E-08	4.88E-08	6.14E-08	6.73E-08	3.06E-08	3.56E-08	3.11E-08	3.07E-08
URI (Δ CDF)	-4.54E-08	-3.77E-08	-3.16E-08	-4.08E-08	-4.09E-08	-4.47E-08	-4.45E-08	-4.53E-08
PLE	NO							
Indicator value	9.40E-09	1.10E-08	3.00E-08	2.70E-08	-1.00E-08	-9.00E-09	-1.30E-08	-1.50E-08

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Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values, Common Cause Failure values and Devices in-scope.

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

Mitigating Systems Performance Index, Cooling Water Systems

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (Δ CDF)	-3.39E-09	-3.40E-09	-1.11E-07	-1.11E-07	-8.13E-08	-8.06E-08	-8.06E-08	-8.06E-08
URI (Δ CDF)	6.47E-08	6.48E-08	2.38E-07	2.34E-07	2.30E-07	2.24E-07	2.21E-07	2.17E-07
PLE	NO							

Indicator value

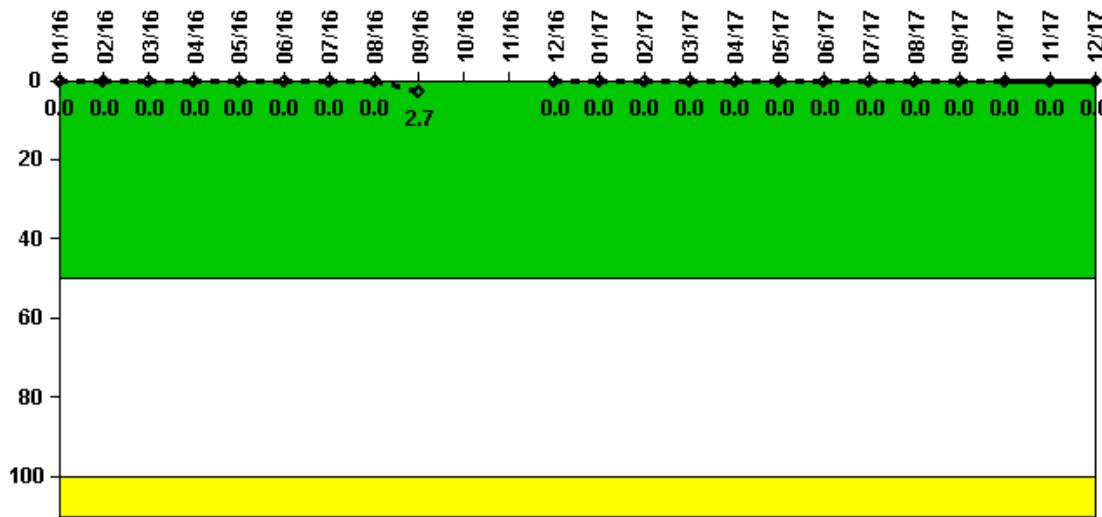
6.10E-08 6.10E-08 1.30E-07 1.20E-07 1.50E-07 1.40E-07 1.40E-07 1.40E-07



Licensee Comments:

3Q/16: Changed PRA Parameter(s). Revision to Unit CDF, Unavailability FV/UA values, Unreliability FV/UA values, Common Cause Failure values, Devices in-scope and Function revised for three segments vs. two trains.

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	0.000122	0.000153	0.000173	0.000166	0.000214	0.000207	0.000222	0.000290	0.026800	N/A	N/A	0.000049
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	0	2.7	N/A	N/A	0
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Reactor Coolant System Activity

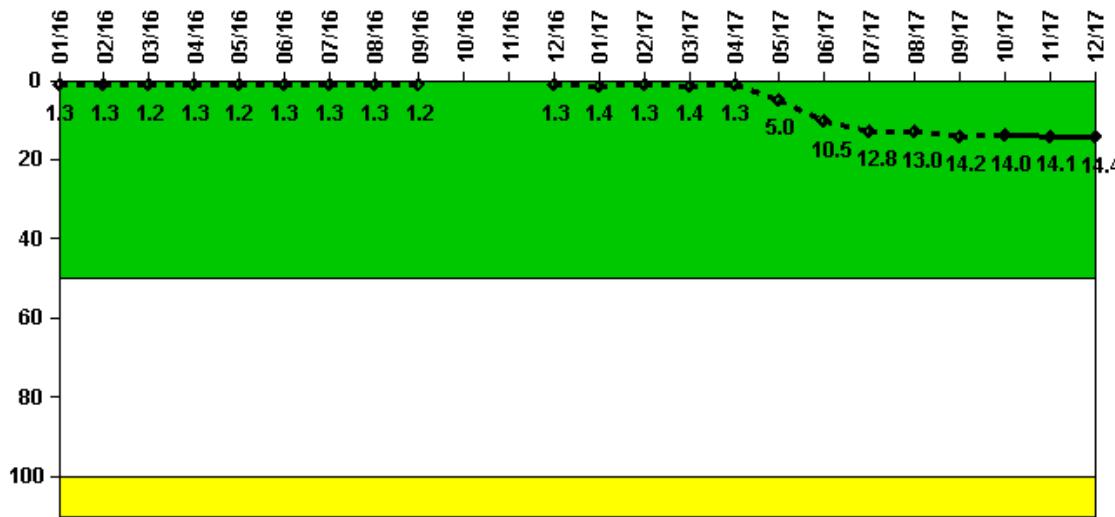
	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17	10/17	11/17	12/17
Maximum activity	0.000052	0.000057	0.000059	0.000061	0.000069	0.000066	0.000069	0.000073	0.000282	0.000217	0.000201	0.000232
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Indicator value

	0	0	0	0	0	0	0	0	0	0	0	0
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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 0.132 0.128 0.116 0.125 0.121 0.125 0.134 0.131 0.117 N/A N/A 0.132

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 1.3 1.2 1.3 1.2 1.3 1.3 1.3 1.3 1.2 N/A N/A 1.3

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

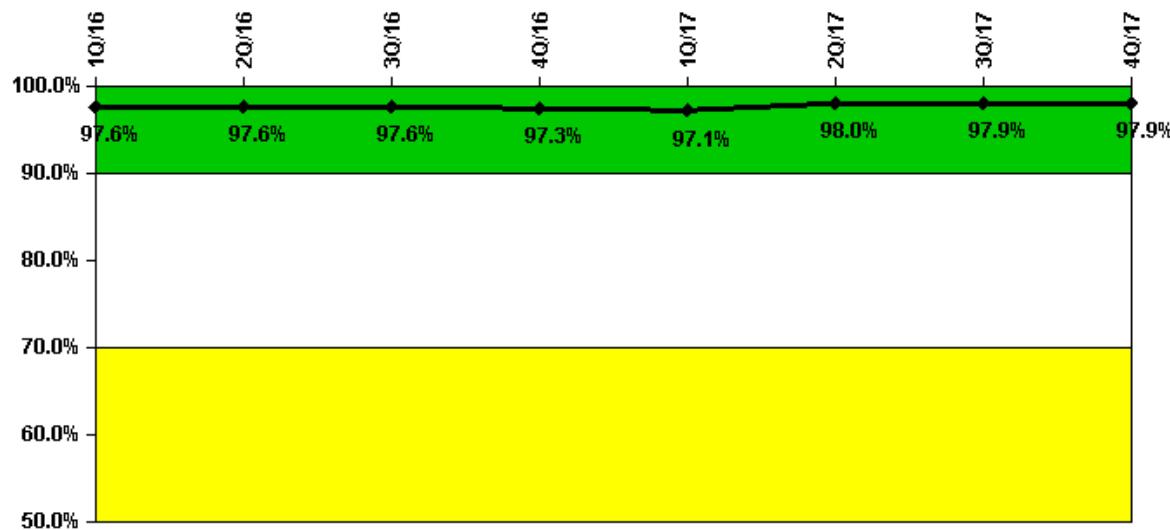
Maximum leakage 0.135 0.131 0.135 0.134 0.495 1.050 1.278 1.298 1.422 1.401 1.412 1.435

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 1.3 5.0 10.5 12.8 13.0 14.2 14.0 14.1 14.4

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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	31.0	98.0	63.0	5.0	60.0	48.0	91.0	81.0
Total opportunities	32.0	99.0	65.0	5.0	62.0	48.0	94.0	82.0

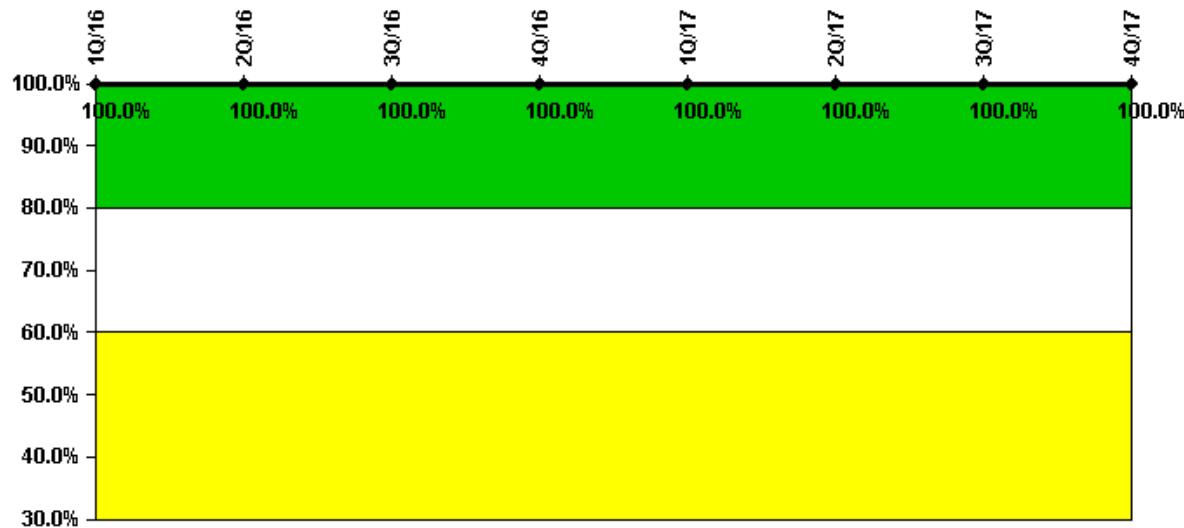
Indicator value **97.6% 97.6% 97.6% 97.3% 97.1% 98.0% 97.9% 97.9%**

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Licensee Comments:

2Q/17: The 2nd Quarter 2017 Drill/Exercise Performance is being revised to include nine additional opportunities. This change does not affect the color of the Drill/Exercise Performance indicator.

2Q/16: The 2nd Quarter 2016 June Drill/Exercise Performance is being revised to include five additional opportunities. This change does not affect the color of the Drill/Exercise Performance indicator.

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

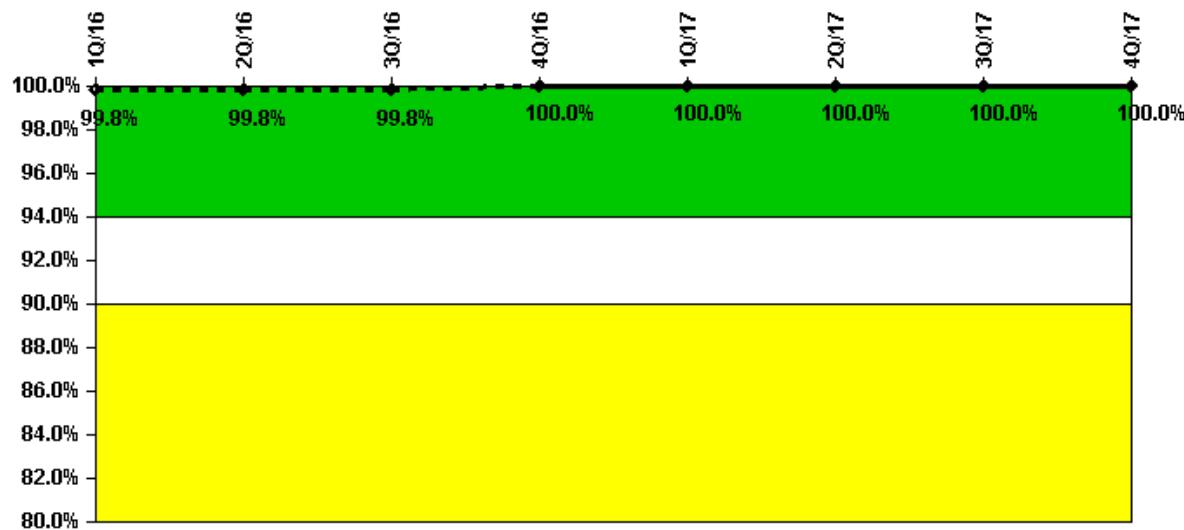
Notes

ERO Drill Participation	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Participating Key personnel	103.0	108.0	107.0	111.0	107.0	109.0	113.0	112.0
Total Key personnel	103.0	108.0	107.0	111.0	107.0	109.0	113.0	112.0

Indicator value 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0%

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Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

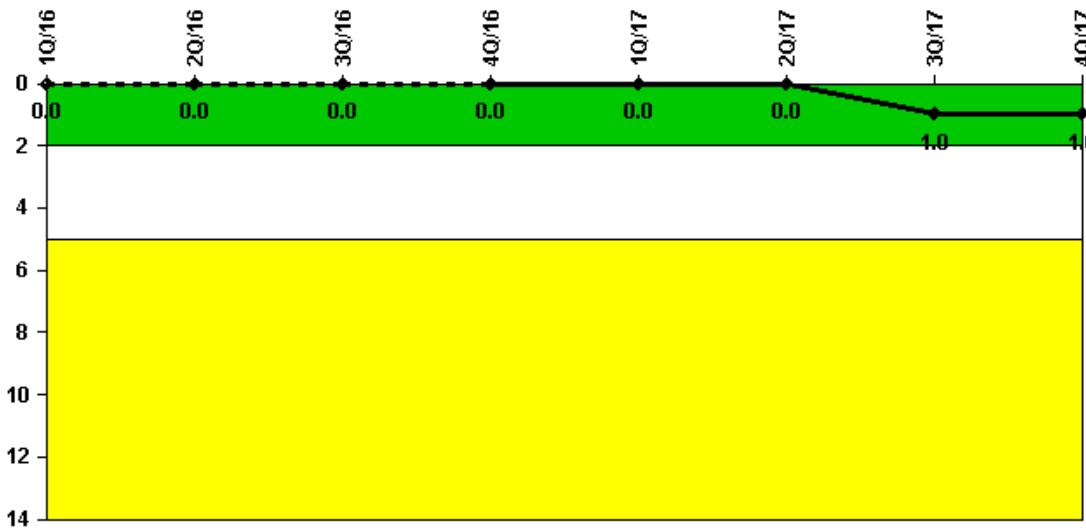
Notes

Alert & Notification System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful siren-tests	147	147	147	147	147	147	147	147
Total sirens-tests	147	147	147	147	147	147	147	147

Indicator value 99.8% 99.8% 99.8% 100.0% 100.0% 100.0% 100.0% 100.0%

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Licensee Comments: none

Occupational Exposure Control Effectiveness

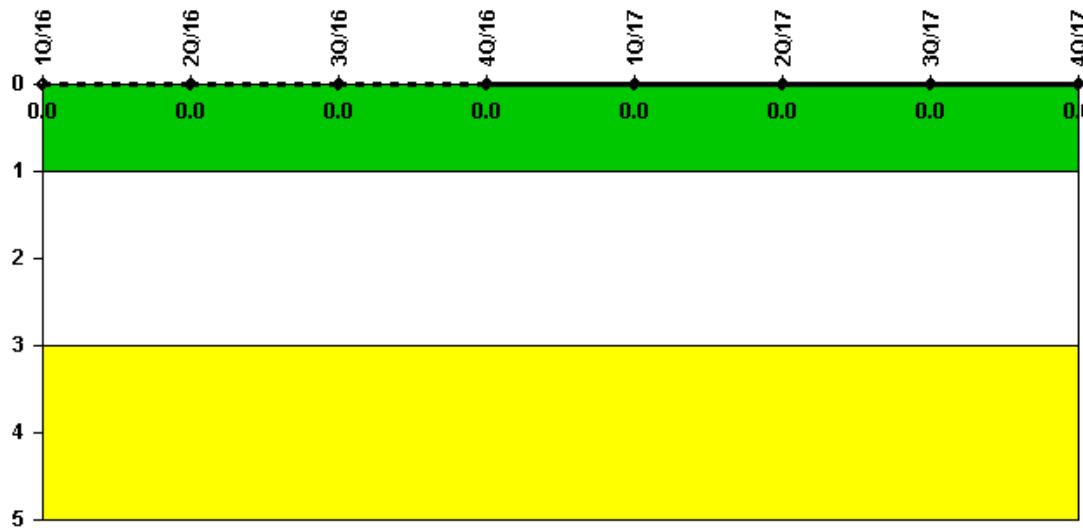
Thresholds: White > 2.0 Yellow > 5.0

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

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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

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Licensee Comments: none

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

Current data as of: February 1, 2018

Page Last Reviewed/Updated Wednesday, April 11, 2018